

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009234.D
 Acq On : 22 Jan 2019 13:52
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:06 AM

Quant Time: Jan 23 01:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 00:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	94813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	160460	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	147978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	74497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	115552	89.94	ug/l	0.00
Spiked Amount			Recovery	=	179.88%	
35) Dibromofluoromethane	4.64	113	106958	100.51	ug/l	0.00
Spiked Amount			Recovery	=	201.02%	
50) Toluene-d8	7.36	98	418797	102.35	ug/l	0.00
Spiked Amount			Recovery	=	204.70%	
62) 4-Bromofluorobenzene	10.12	95	157570	100.22	ug/l	0.00
Spiked Amount			Recovery	=	200.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	76963	102.201	ug/l	97
3) Chloromethane	1.25	50	101693	92.614	ug/l	99
4) Vinyl Chloride	1.32	62	113633	105.848	ug/l	98
5) Bromomethane	1.52	94	65198	92.534	ug/l	100
6) Chloroethane	1.59	64	64072	94.757	ug/l	99
7) Trichlorofluoromethane	1.76	101	80746	122.931	ug/l	98
8) Diethyl Ether	1.96	74	51387	96.633	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.14	101	100596	102.907	ug/l	99
10) Methyl Iodide	2.25	142	163671	101.910	ug/l	99
11) Tert butyl alcohol	2.65	59	32132	342.207	ug/l	98
12) 1,1-Dichloroethene	2.13	96	98842	100.700	ug/l	98
13) Acrolein	2.05	56	29001	426.127	ug/l	96
14) Allyl chloride	2.42	41	172121	99.747	ug/l	98
15) Acrylonitrile	2.76	53	108425	471.463	ug/l	99
16) Acetone	2.17	43	140824	448.300	ug/l	98
17) Carbon Disulfide	2.31	76	308294	105.249	ug/l	99
18) Methyl Acetate	2.44	43	70300	86.174	ug/l	98
19) Methyl tert-butyl Ether	2.79	73	148127	96.345	ug/l	99
20) Methylene Chloride	2.52	84	103534	87.155	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	107290	101.088	ug/l	96
22) Diisopropyl ether	3.33	45	370496	96.435	ug/l	98
23) Vinyl Acetate	3.30	43	1025273	483.477	ug/l	100
24) 1,1-Dichloroethane	3.22	63	227856	97.769	ug/l	99
25) 2-Butanone	4.01	43	176843	474.586	ug/l	99
26) 2,2-Dichloropropane	3.95	77	138858	112.703	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	134271	100.275	ug/l	99
28) Bromochloromethane	4.29	49	84370	94.288	ug/l	99
29) Tetrahydrofuran	4.38	42	99040	463.963	ug/l	98
30) Chloroform	4.42	83	230241	95.056	ug/l	100
31) Cyclohexane	4.72	56	196903	94.806	ug/l	98
32) 1,1,1-Trichloroethane	4.65	97	197322	102.105	ug/l	100
36) 1,1-Dichloropropene	4.87	75	178742	102.878	ug/l	99
37) Ethyl Acetate	4.12	43	70208	96.742	ug/l	100
38) Carbon Tetrachloride	4.87	117	182261	105.569	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	213095	106.584	ug/l	99
40) Benzene	5.14	78	502607	102.410	ug/l	100
41) Methacrylonitrile	4.30	41	42343	99.641	ug/l	97
42) 1,2-Dichloroethane	5.17	62	151791	92.702	ug/l	99
43) Isopropyl Acetate	5.32	43	135917	94.250	ug/l	98
44) Trichloroethene	5.96	130	131717	104.245	ug/l	97
45) 1,2-Dichloropropane	6.22	63	121807	101.845	ug/l	100
46) Dibromomethane	6.35	93	62965	96.619	ug/l	98
47) Bromodichloromethane	6.55	83	168465	99.093	ug/l	100
48) Methyl methacrylate	6.41	41	71304	97.555	ug/l	100
49) 1,4-Dioxane	6.41	88	15939	1885.139	ug/l	98
51) 4-Methyl-2-Pentanone	7.27	43	344600	477.705	ug/l	99
52) Toluene	7.43	92	319266	103.643	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	167068	101.009	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	194922	104.013	ug/l	100
55) 1,1,2-Trichloroethane	7.88	97	86459	97.916	ug/l	97
56) Ethyl methacrylate	7.83	69	109162	102.054	ug/l	99
57) 1,3-Dichloropropane	8.05	76	157924	97.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.93	63	9369	455.150	ug/l #	89
59) 2-Hexanone	8.18	43	257084	480.811	ug/l	99
60) Dibromochloromethane	8.29	129	108212	102.925	ug/l	98
61) 1,2-Dibromoethane	8.40	107	86356	98.690	ug/l	98
64) Tetrachloroethene	8.02	164	104077	103.335	ug/l	98
65) Chlorobenzene	8.92	112	344859	102.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	119559	102.958	ug/l	99
67) Ethyl Benzene	9.05	91	632077	105.288	ug/l	99
68) m/p-Xylenes	9.18	106	478405	212.393	ug/l	98
69) o-Xylene	9.59	106	225487	107.450	ug/l	100
70) Styrene	9.60	104	368549	107.716	ug/l	99
71) Bromoform	9.77	173	59978	105.723	ug/l #	98
73) Isopropylbenzene	9.97	105	638961	108.312	ug/l	99
74) N-amyl acetate	9.84	43	122466	98.272	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	104390	98.808	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	80030m	97.357	ug/l	
77) Bromobenzene	10.26	156	134633	102.785	ug/l	97
78) n-propylbenzene	10.40	91	751910	107.564	ug/l	100
79) 2-Chlorotoluene	10.47	91	440906	102.238	ug/l	100
80) 1,3,5-Trimethylbenzene	10.58	105	531598	106.335	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	31908	107.632	ug/l	95
82) 4-Chlorotoluene	10.58	91	518602	100.965	ug/l	100
83) tert-Butylbenzene	10.91	119	511596	107.625	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	538179	104.454	ug/l	100
85) sec-Butylbenzene	11.13	105	660347	108.077	ug/l	99
86) p-Isopropyltoluene	11.29	119	587377	108.429	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	275001	102.760	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	273946	100.872	ug/l	99
89) n-Butylbenzene	11.70	91	563460	105.607	ug/l	99
90) Hexachloroethane	11.95	117	105314	107.787	ug/l	97
91) 1,2-Dichlorobenzene	11.69	146	241269	100.819	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	17313	94.601	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	163872	100.404	ug/l	100
94) Hexachlorobutadiene	13.50	225	95819	103.976	ug/l	100
95) Naphthalene	13.55	128	290436	101.406	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	135243	97.622	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

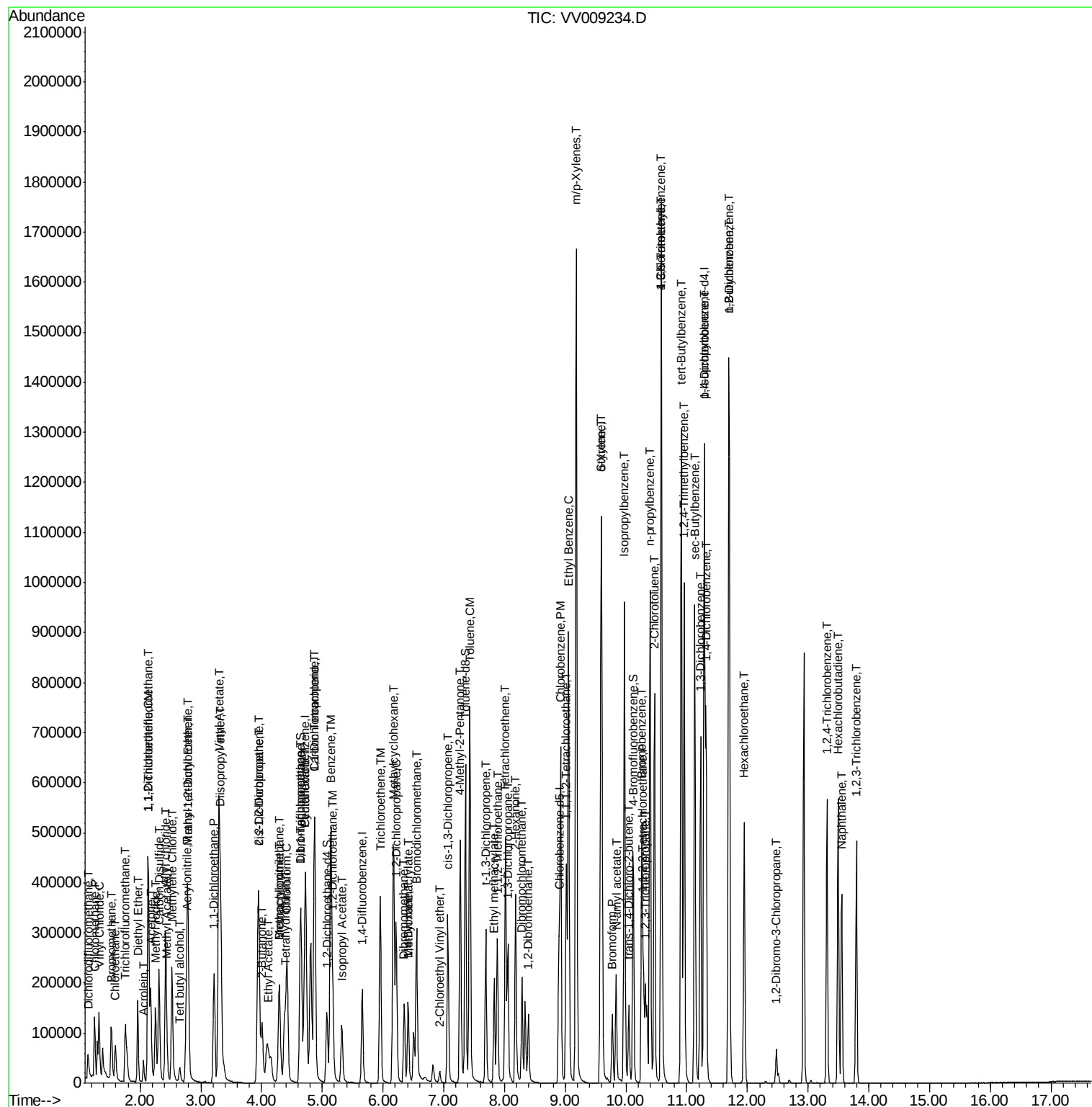
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV012219\
Data File : VV009234.D
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Operator : SY/MD
Sample : VSTDIC100
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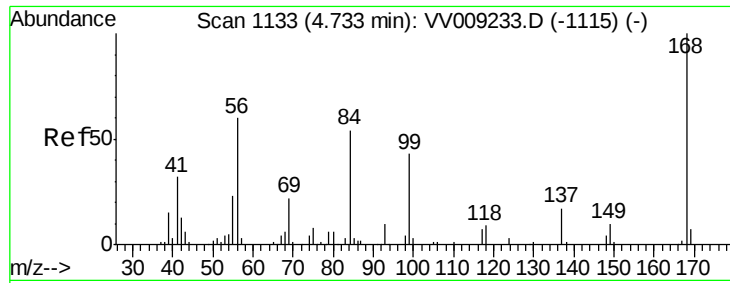
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 94813

Ion Ratio Lower Upper

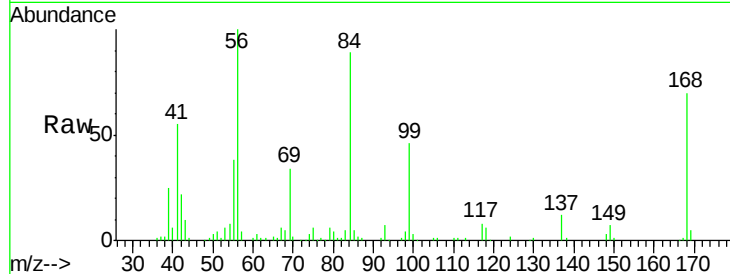
168 100

99 64.8 50.9 76.3

Manual Integrations
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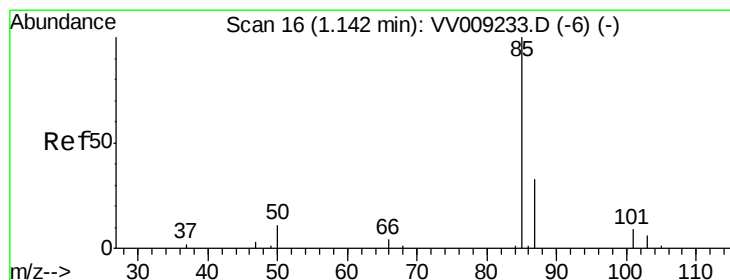
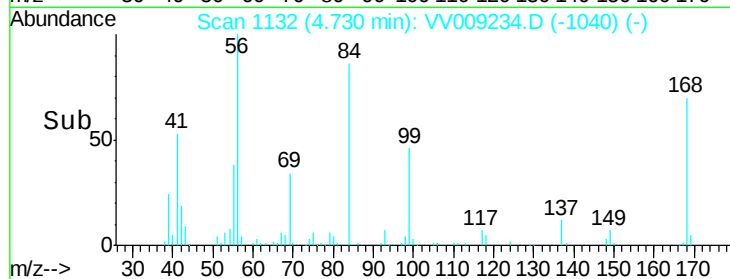
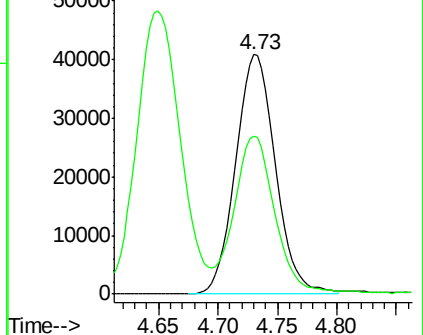
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Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)



#2

Dichlorodifluoromethane

Concen: 102.201 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009234.D

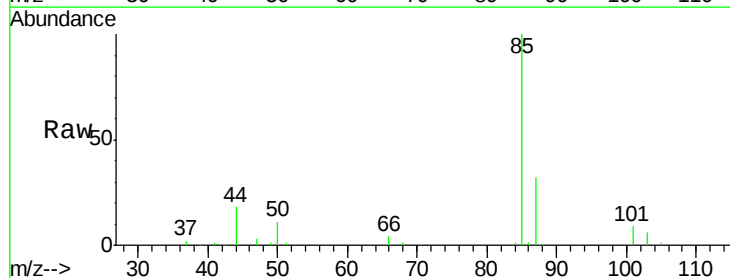
Acq: 22 Jan 2019 13:52

Tgt Ion: 85 Resp: 76963

Ion Ratio Lower Upper

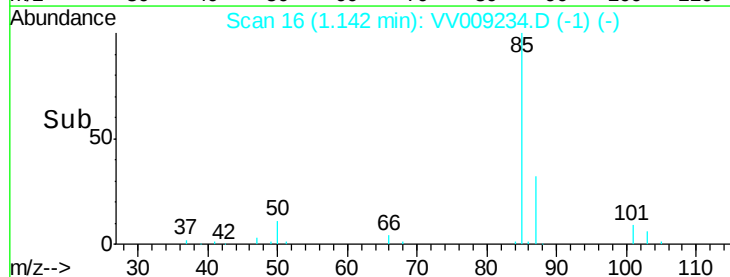
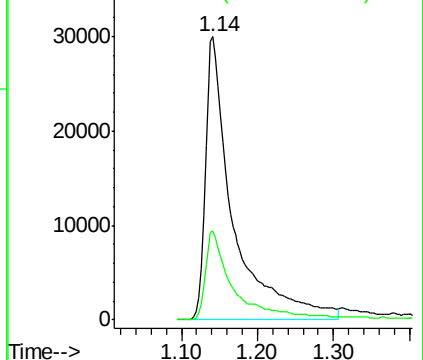
85 100

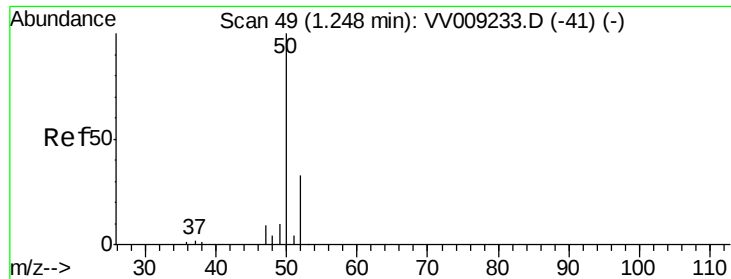
87 31.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)





#3

Chloromethane

Concen: 92.614 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 101693

Ion Ratio Lower Upper

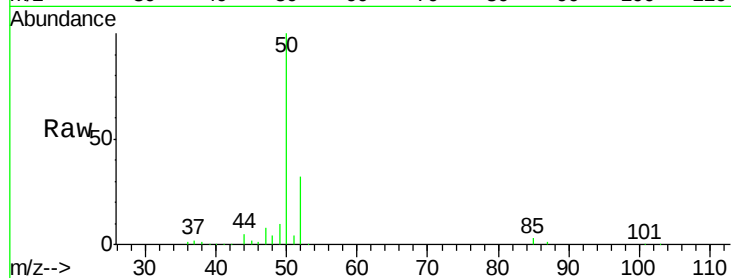
50 100

52 32.3 26.3 39.5

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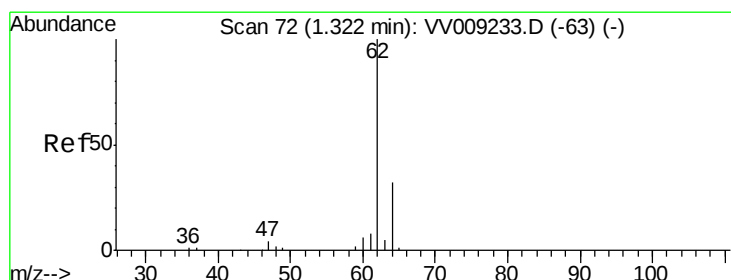
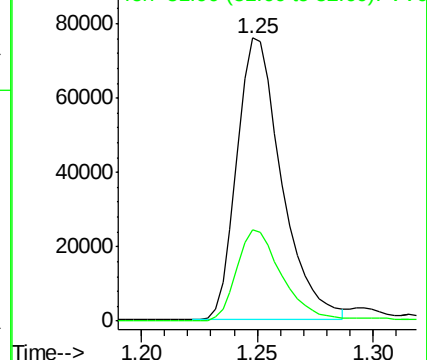
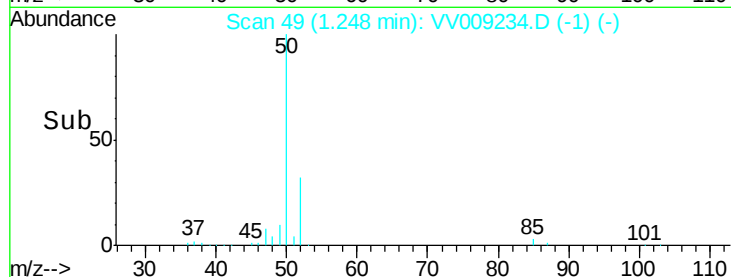
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Abundance Ion 49.90 (49.60 to 50.60): VV009233.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VV009234.D (-1) (-)



#4

Vinyl Chloride

Concen: 105.848 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009234.D

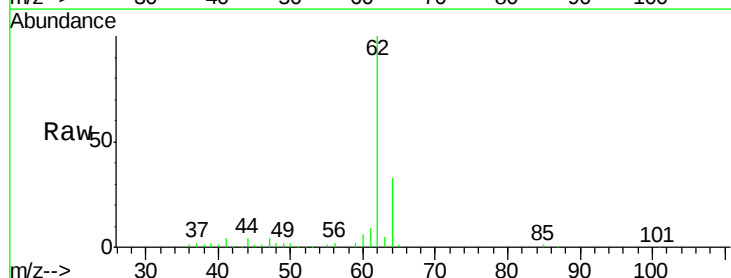
Acq: 22 Jan 2019 13:52

Tgt Ion: 62 Resp: 113633

Ion Ratio Lower Upper

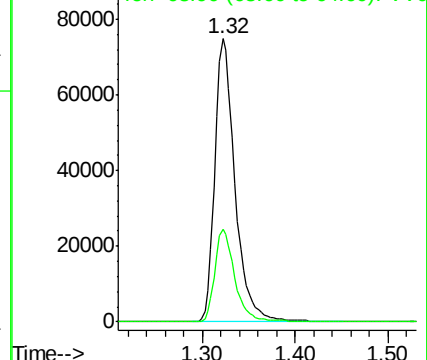
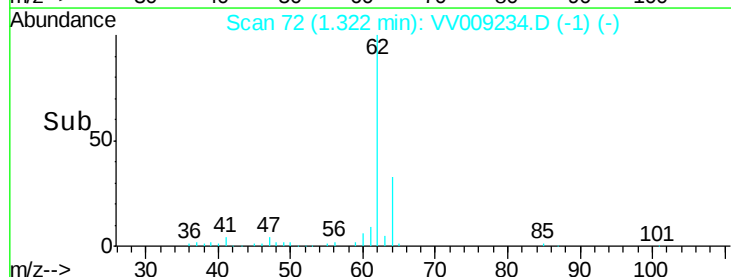
62 100

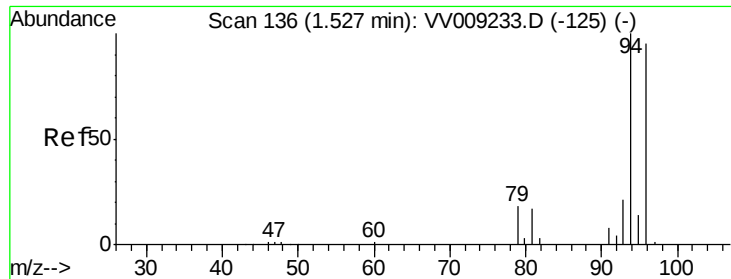
64 32.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV009233.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VV009234.D (-1) (-)





#5

Bromomethane

Concen: 92.534 ug/l

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

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VSTDIC100

Tot Ion: 94 Resp: 65198

Ion Ratio Lower Upper

94 100

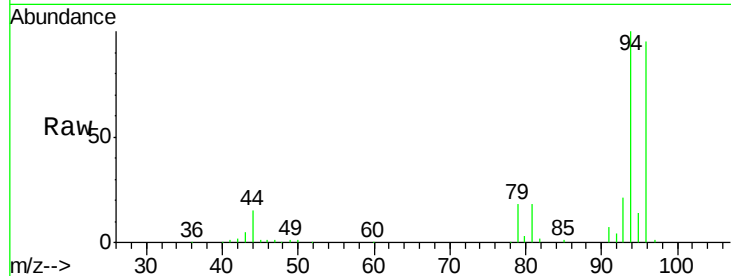
96 95.4 76.3 114.5

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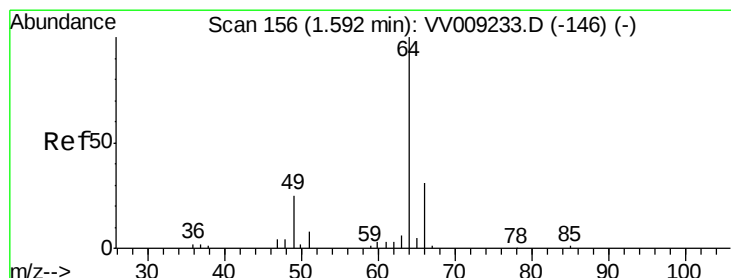
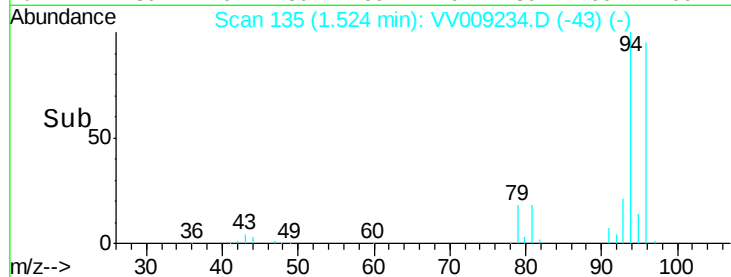
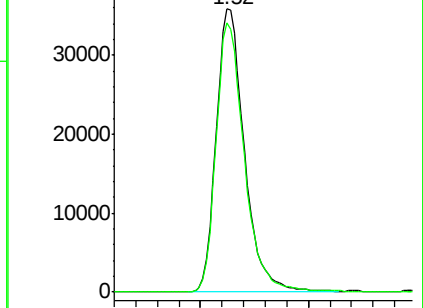
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Abundance Ion 93.90 (93.60 to 94.60): VV009233.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VV009234.D (-43) (-)



#6

Chloroethane

Concen: 94.757 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009234.D

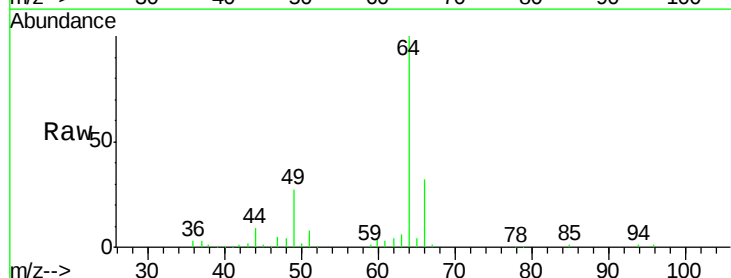
Acq: 22 Jan 2019 13:52

Tgt Ion: 64 Resp: 64072

Ion Ratio Lower Upper

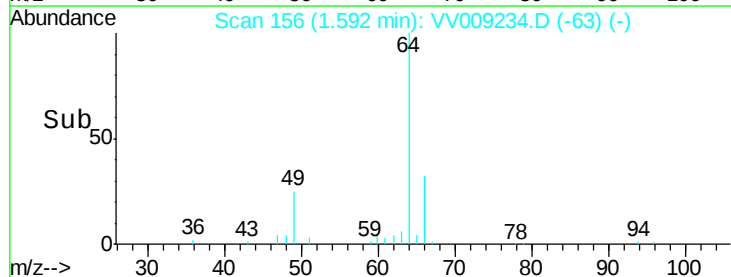
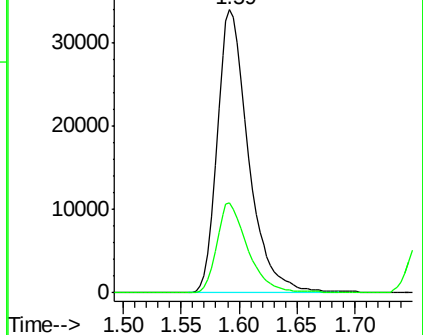
64 100

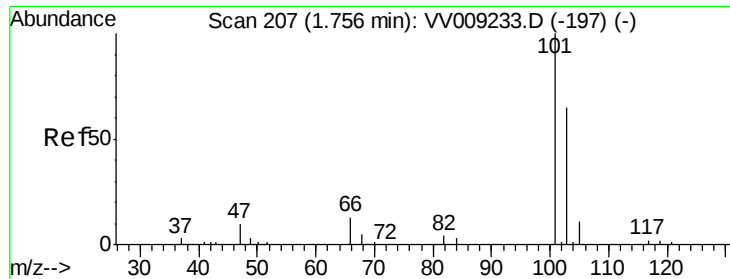
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV009233.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009234.D (-63) (-)





#7

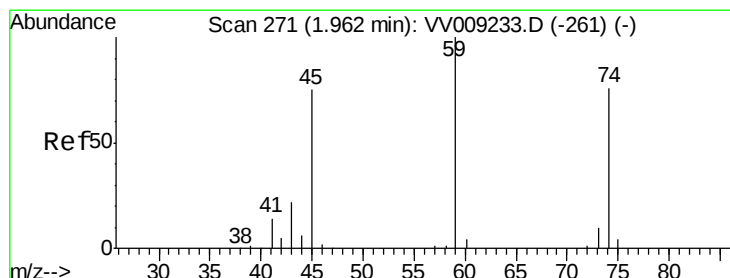
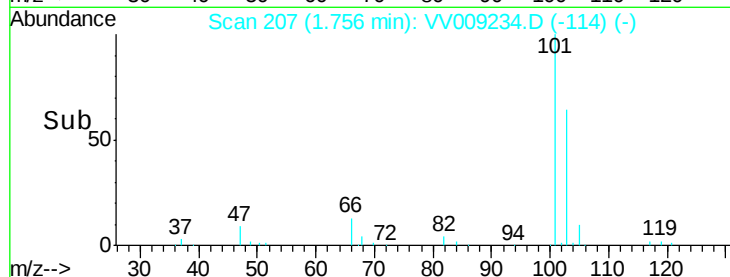
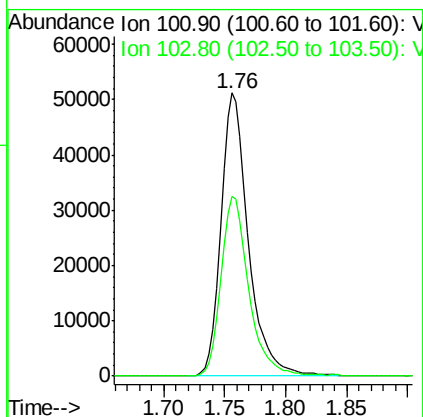
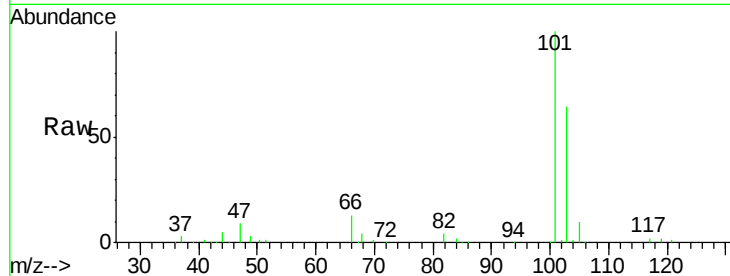
Trichlorofluoromethane
Concen: 122.931 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009234.D
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VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		80746		
103	63.6	52.2	78.4		

Manual Integrations
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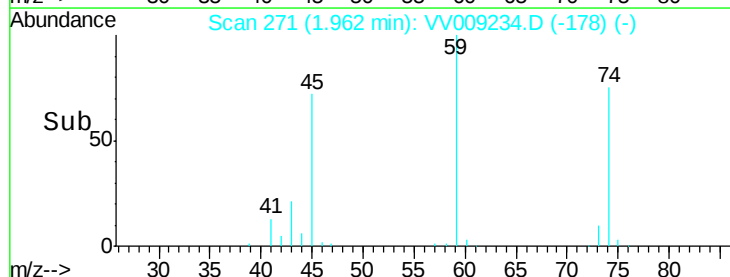
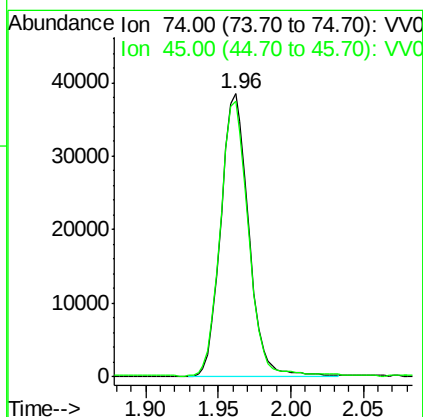
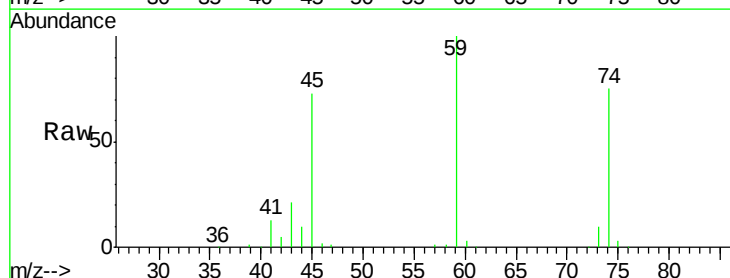
MMDadoda
1/24/2019 11:44:06 AM

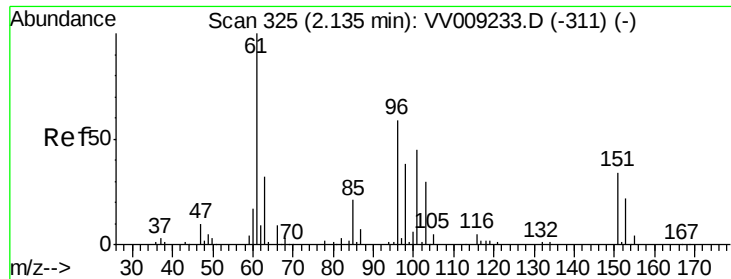


#8

Diethyl Ether
Concen: 96.633 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		51387		
45	97.0	49.1	147.3		





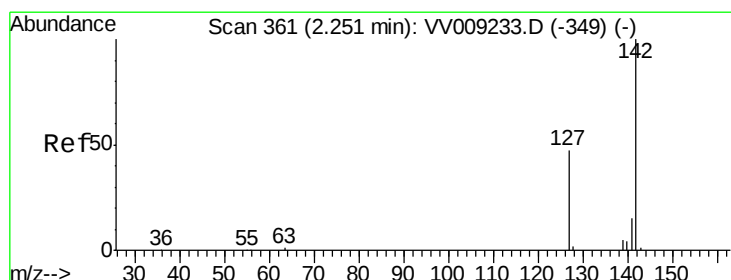
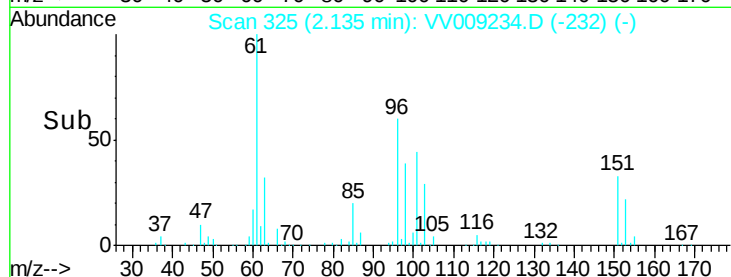
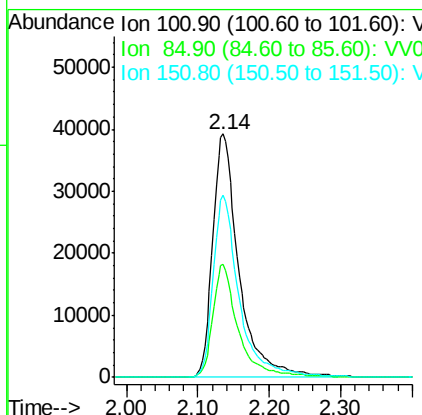
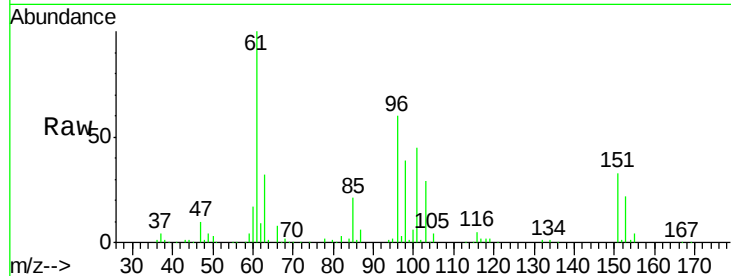
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.907 ug/l
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100596		
85	45.1	35.3	52.9	
151	74.3	60.1	90.1	

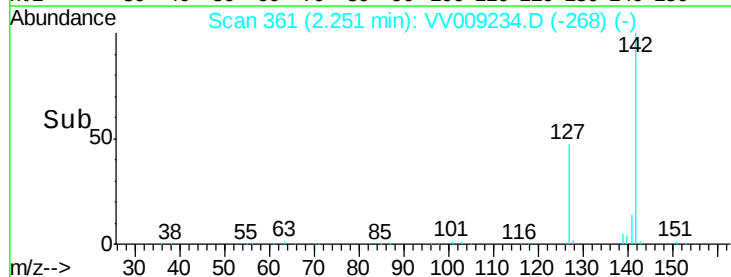
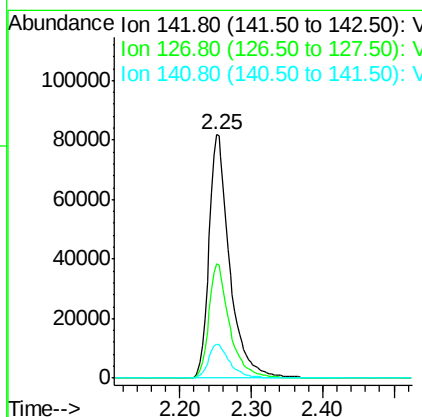
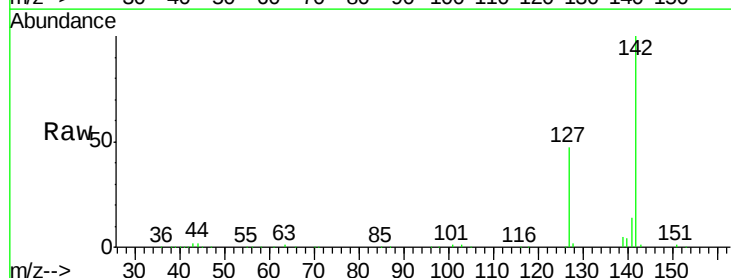
Manual Integrations
APPROVED

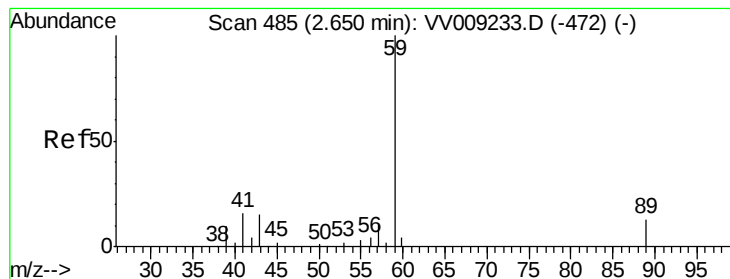
MMDadoda
1/24/2019 11:44:06 AM



#10
Methyl Iodide
Concen: 101.910 ug/l
RT: 2.25 min Scan# 361
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	163671		
127	46.9	37.9	56.9	
141	14.3	11.7	17.5	





#11

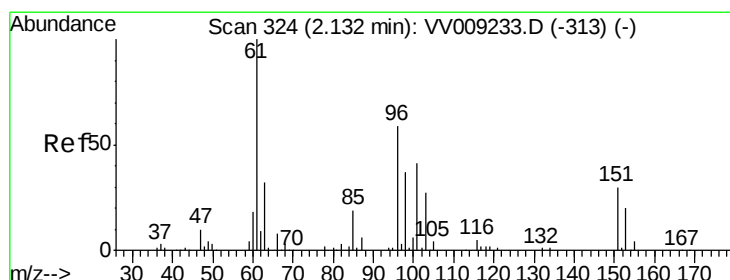
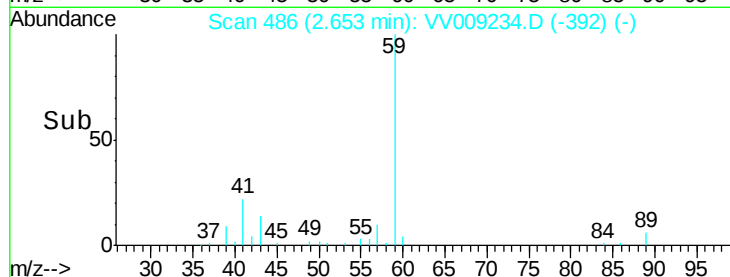
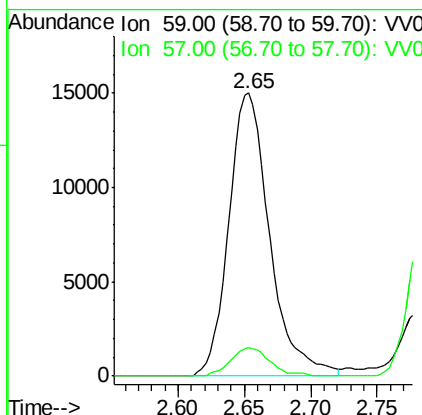
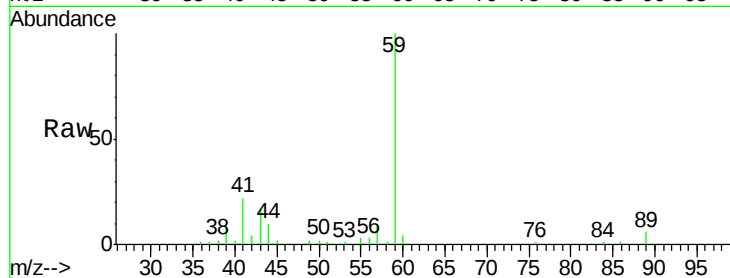
Tert butyl alcohol
Concen: 342.207 ug/l
RT: 2.65 min Scan# 486
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	59.00	Resp	32132
Ion Ratio	100	Lower	Upper
59	100		
57	9.7	8.4	12.6

Manual Integrations
APPROVED

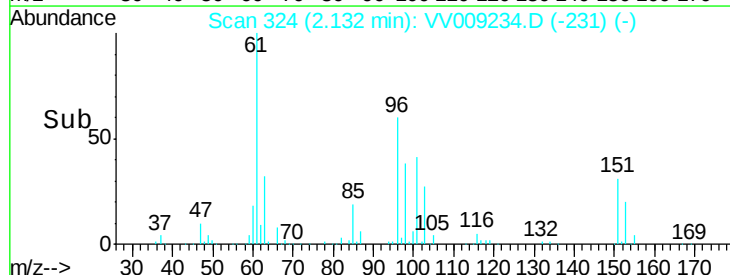
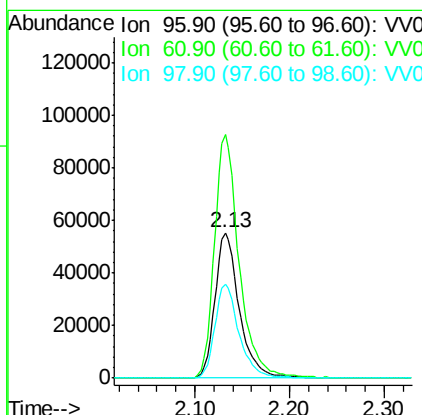
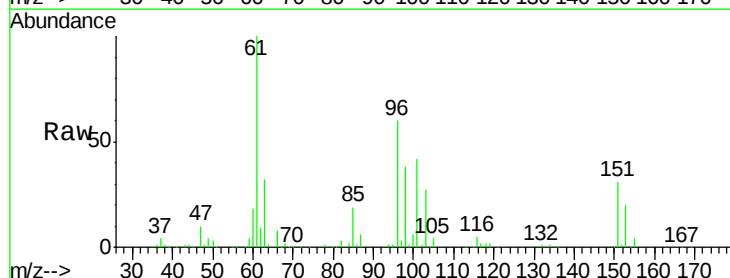
MMDadoda
1/24/2019 11:44:06 AM

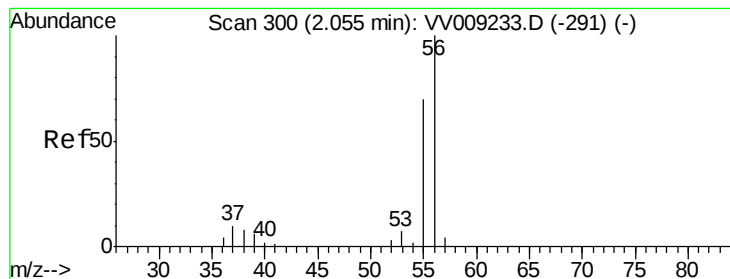


#12

1,1-Dichloroethene
Concen: 100.700 ug/l
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	96	Resp	98842
Ion Ratio	100	Lower	Upper
96	100		
61	167.8	136.6	205.0
98	64.6	50.6	75.8





#13

Acrolein

Concen: 426.127 ug/l

RT: 2.05 min Scan# 300

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 29001

Ion Ratio Lower Upper

56 100

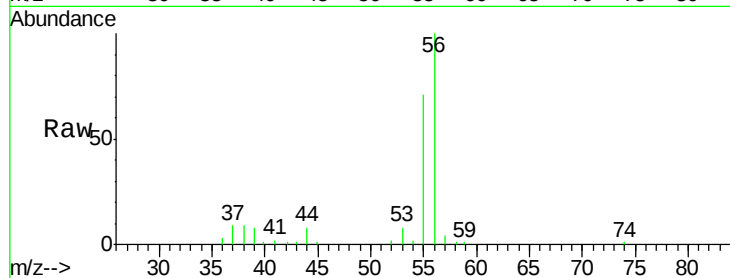
55 70.4 54.0 81.0

Manual Integrations

APPROVED

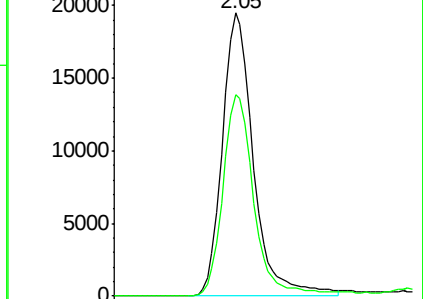
MMDadoda

1/24/2019 11:44:06 AM

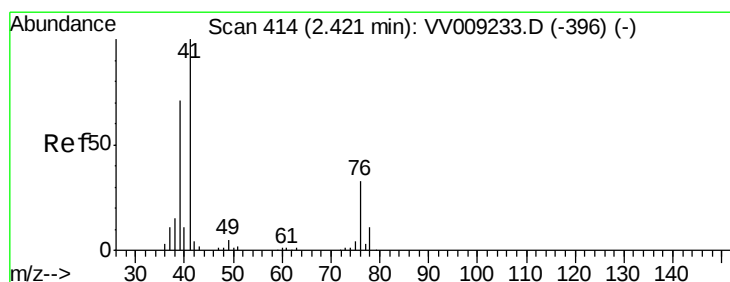
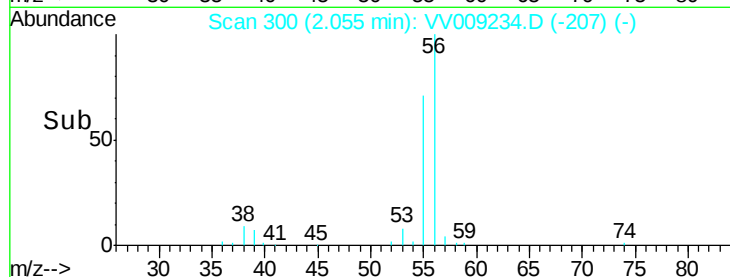


Abundance Ion 56.00 (55.70 to 56.70): VV009233.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009233.D (-291) (-)



Time-->



#14

Allyl chloride

Concen: 99.747 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

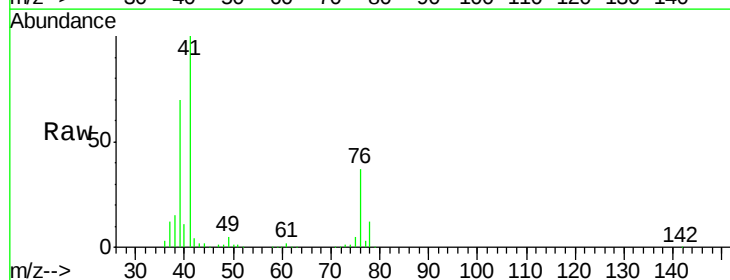
Tgt Ion: 41 Resp: 172121

Ion Ratio Lower Upper

41 100

39 69.7 55.1 82.7

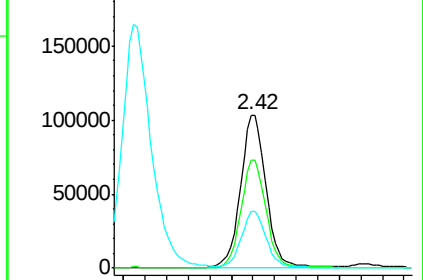
76 36.4 26.7 40.1



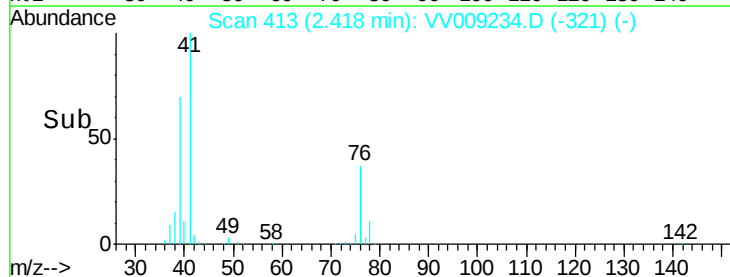
Abundance Ion 41.00 (40.70 to 41.70): VV009233.D (-396) (-)

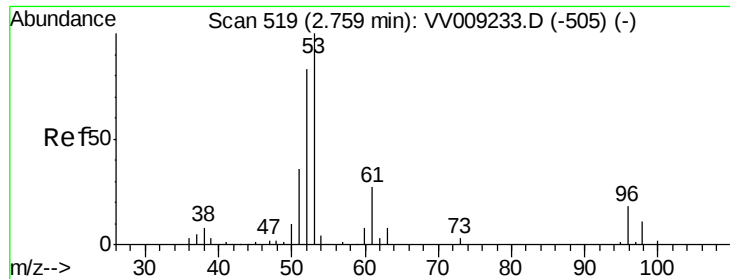
Ion 39.00 (38.70 to 39.70): VV009233.D (-396) (-)

Ion 75.90 (75.60 to 76.60): VV009233.D (-396) (-)



Time-->





#15

Acrylonitrile

Concen: 471.463 ug/l

RT: 2.76 min Scan# 518

Delta R.T. -0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

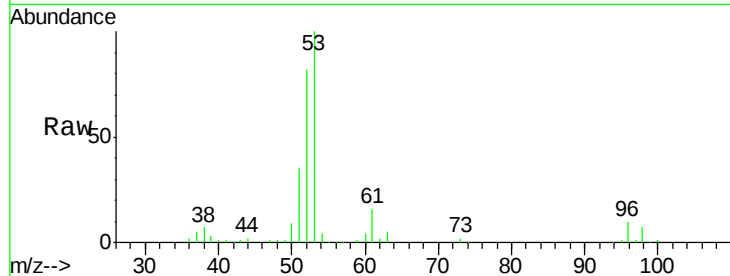
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	108425
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.3	97.9
51	36.7	29.0	43.4

Manual Integrations
APPROVED

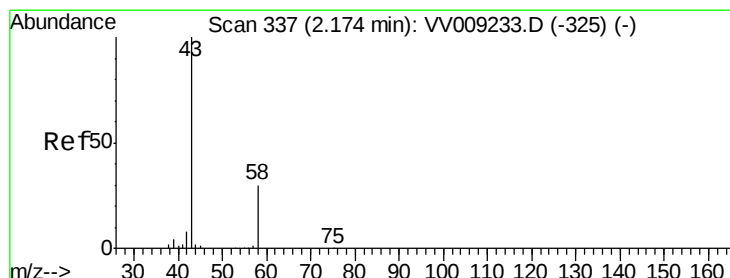
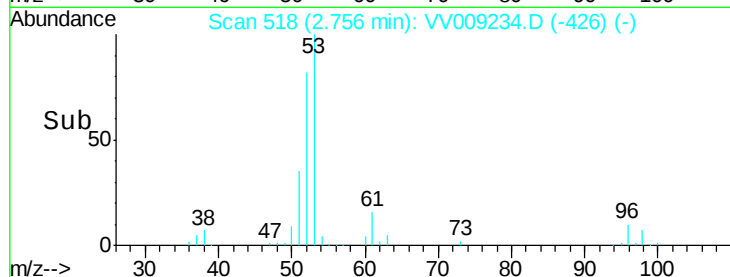
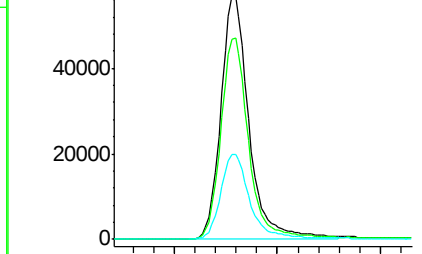
MMDadoda
1/24/2019 11:44:06 AM



Abundance Ion 53.00 (52.70 to 53.70): VV009233.D (-505) (-)

Ion 52.00 (51.70 to 52.70): VV009233.D (-505) (-)

Ion 51.00 (50.70 to 51.70): VV009233.D (-505) (-)



#16

Acetone

Concen: 448.300 ug/l

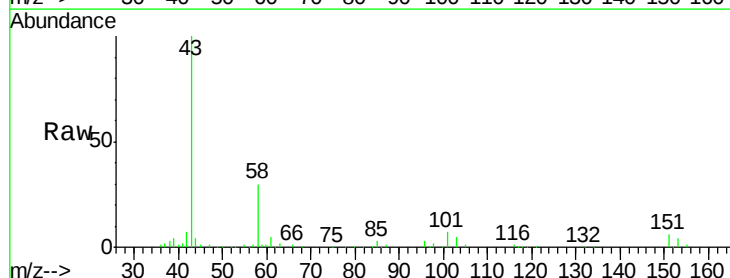
RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV009234.D

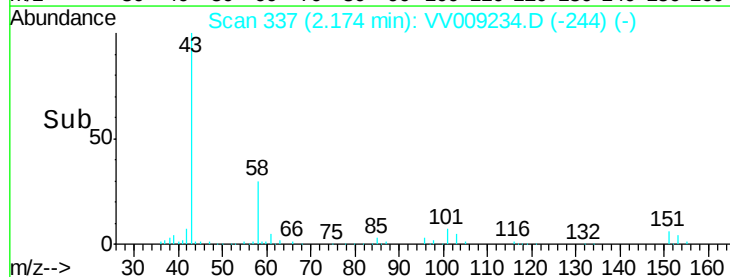
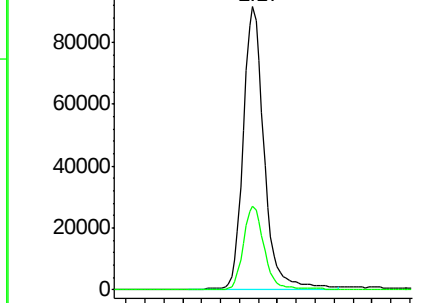
Acq: 22 Jan 2019 13:52

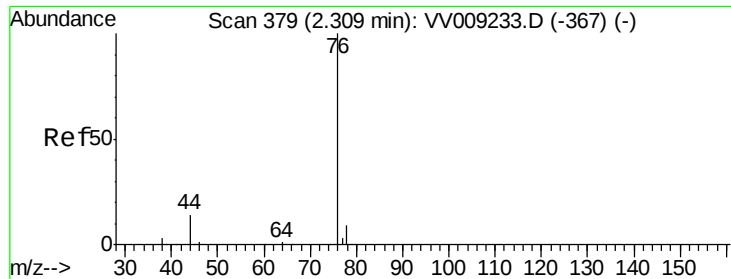
Tgt Ion:	43	Resp:	140824
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.4	36.6



Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV009233.D (-325) (-)





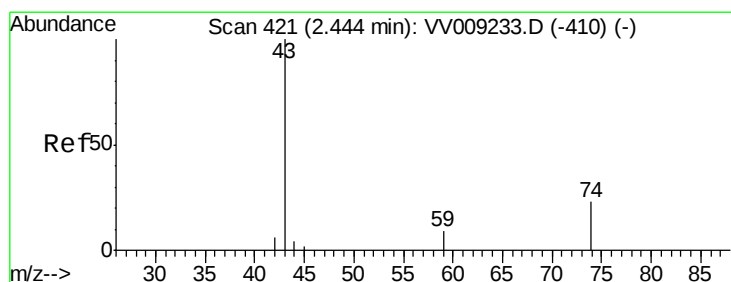
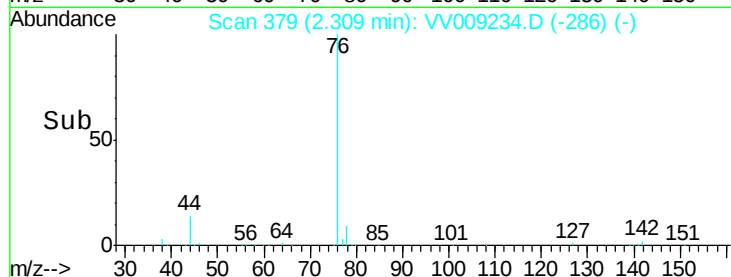
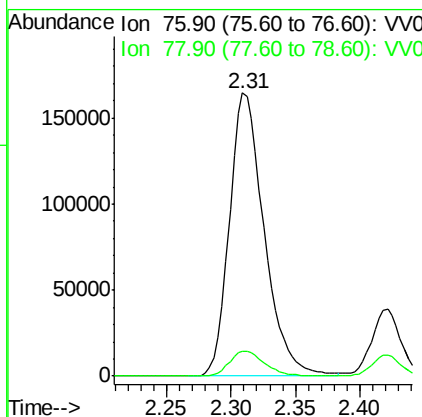
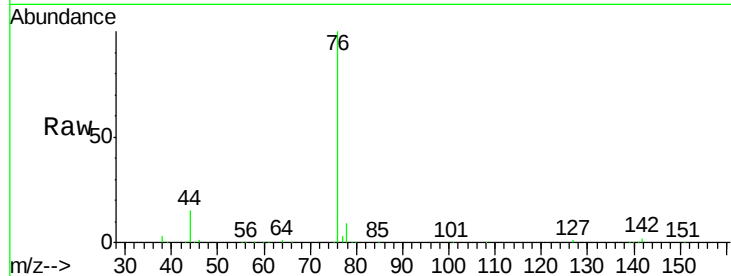
#17
Carbon Disulfide
Concen: 105.249 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

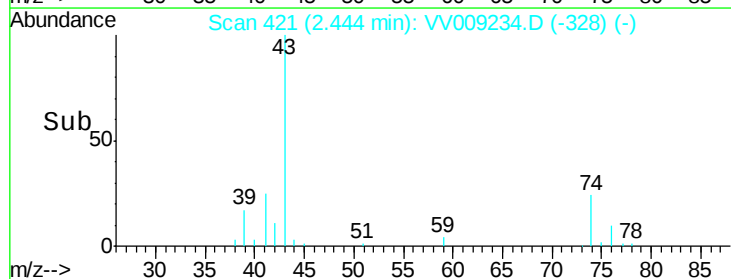
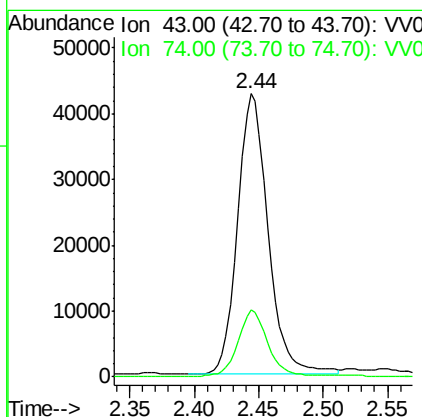
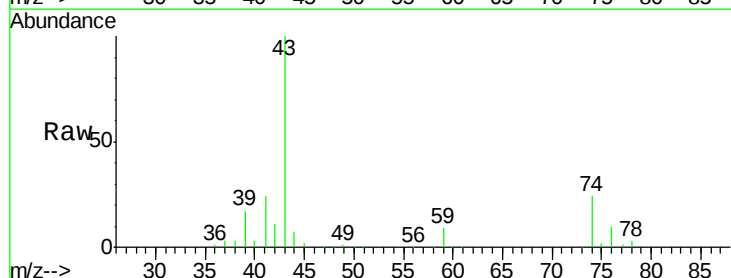
Manual Integrations
APPROVED

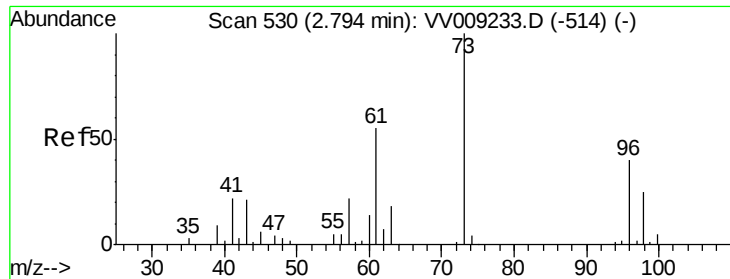
MMDadoda
1/24/2019 11:44:06 AM



#18
Methyl Acetate
Concen: 86.174 ug/l
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.7	29.5





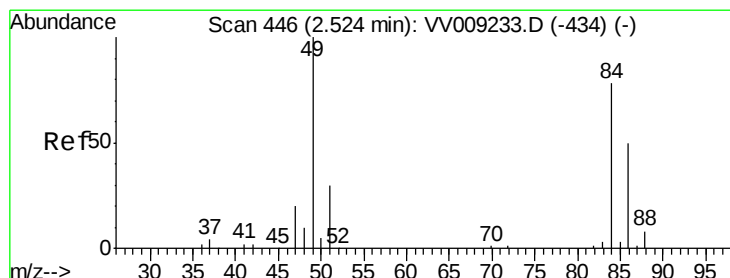
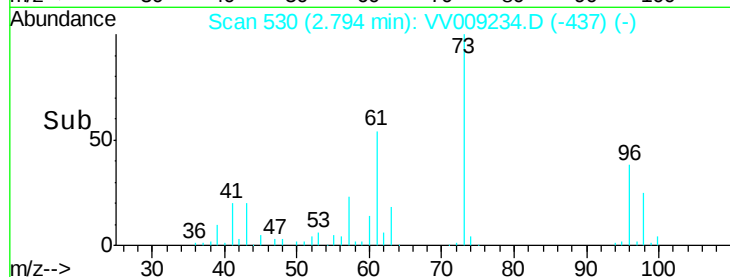
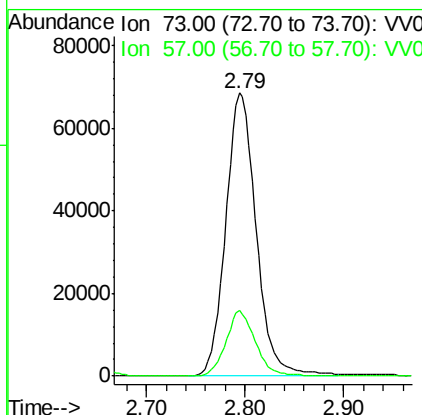
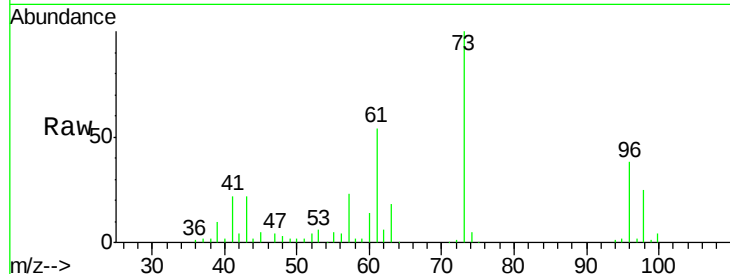
#19
Methvl tert-butvl Ether
Concen: 96.345 ug/l
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 148127
Ion Ratio Lower Upper
73 100
57 23.2 18.0 27.0

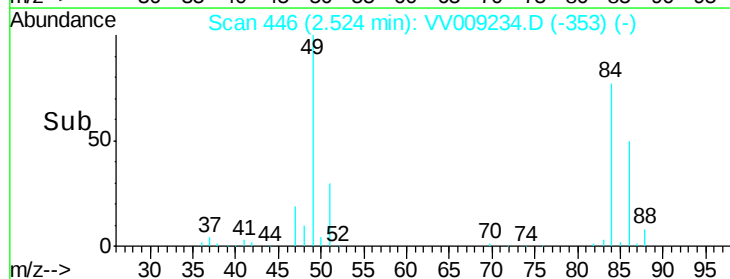
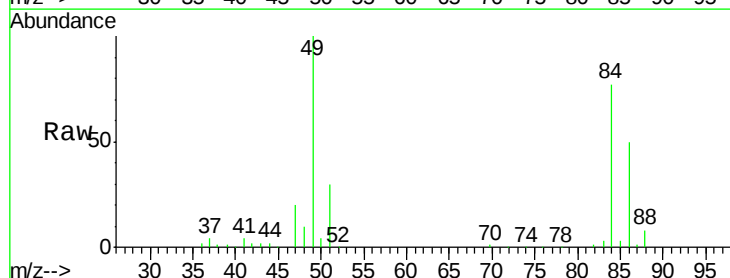
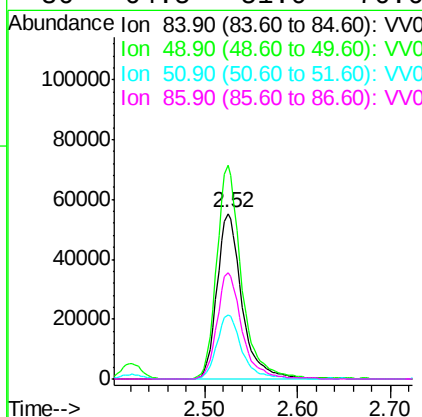
Manual Integrations
APPROVED

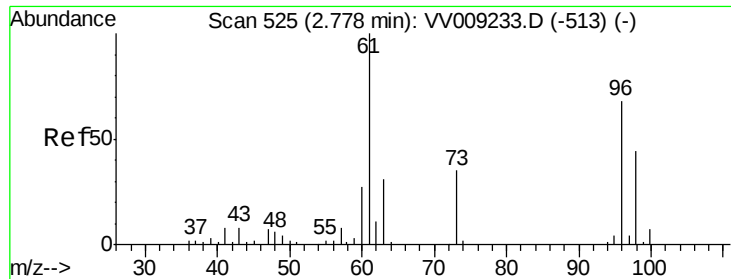
MMDadoda
1/24/2019 11:44:06 AM



#20
Methylene Chloride
Concen: 87.155 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion: 84 Resp: 103534
Ion Ratio Lower Upper
84 100
49 129.0 102.0 153.0
51 38.9 30.9 46.3
86 64.5 51.0 76.6





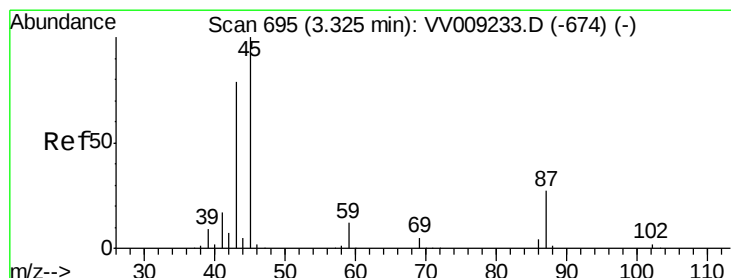
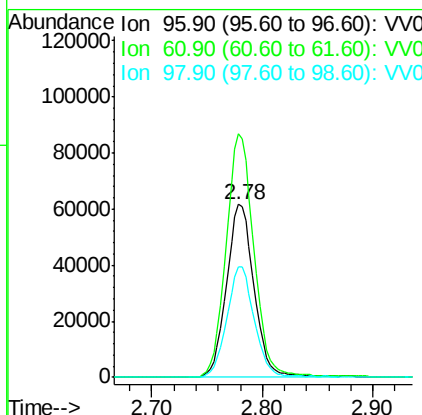
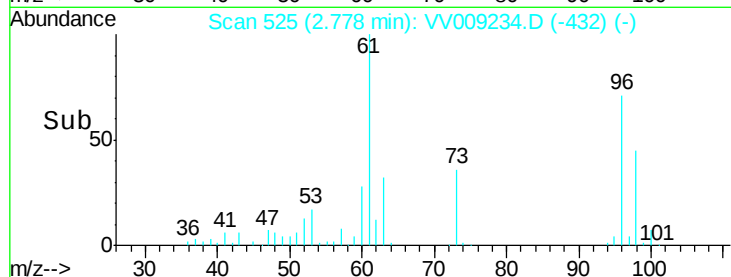
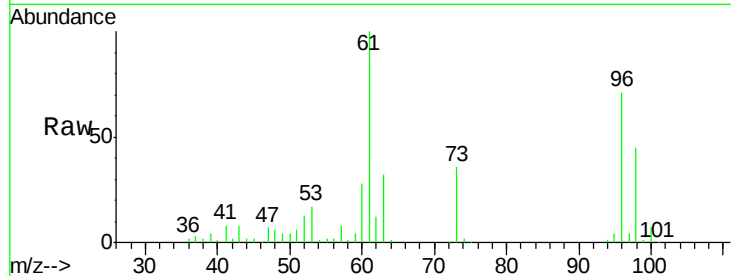
#21
trans-1,2-Dichloroethene
Concen: 101.088 ug/l
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	117.7	176.5
98	63.7	51.5	77.3

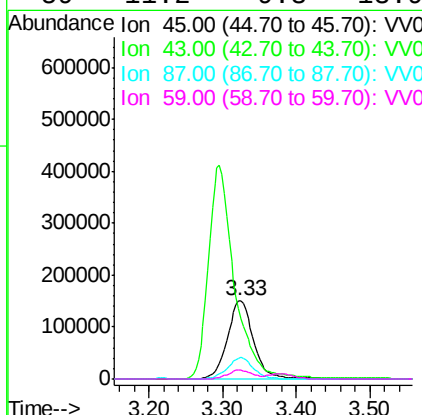
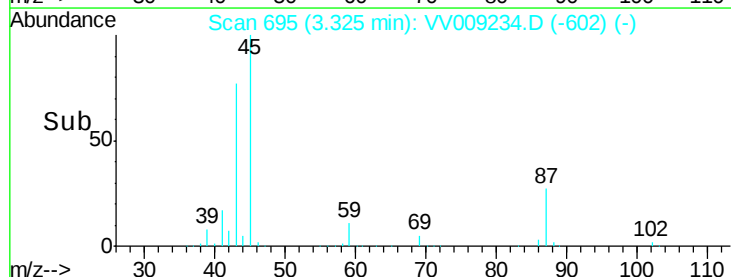
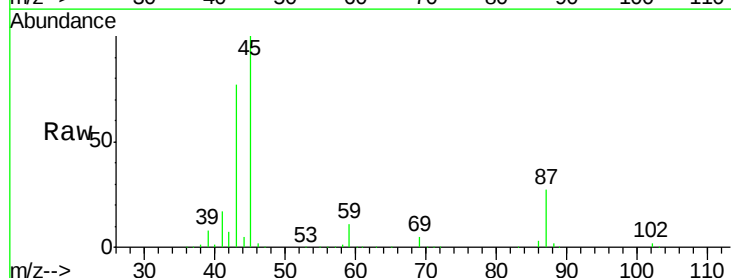
Manual Integrations
APPROVED

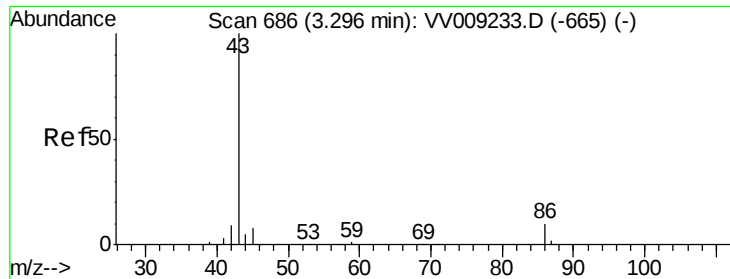
MMDadoda
1/24/2019 11:44:06 AM



#22
Diisopropyl ether
Concen: 96.435 ug/l
RT: 3.33 min Scan# 695
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.0	63.0	94.4
87	27.3	21.5	32.3
59	11.2	9.3	13.9





#23

Vinyl Acetate

Concen: 483.477 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1025273

Ion Ratio Lower Upper

43 100

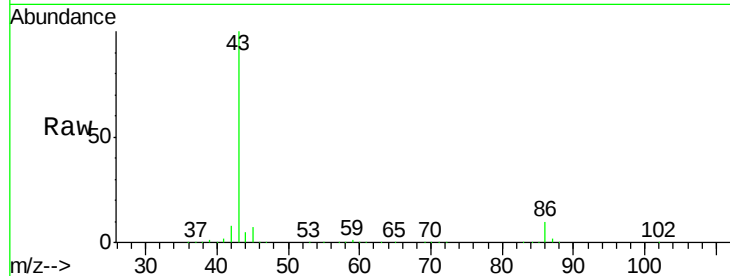
86 10.2 8.1 12.1

Manual Integrations

APPROVED

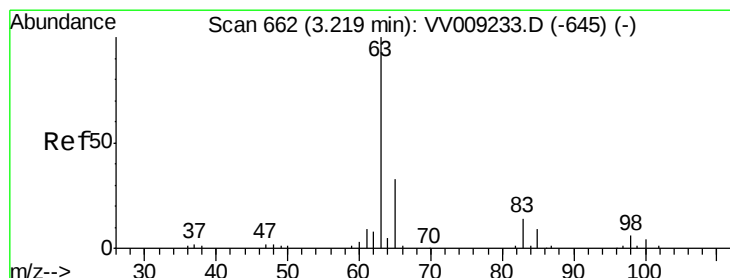
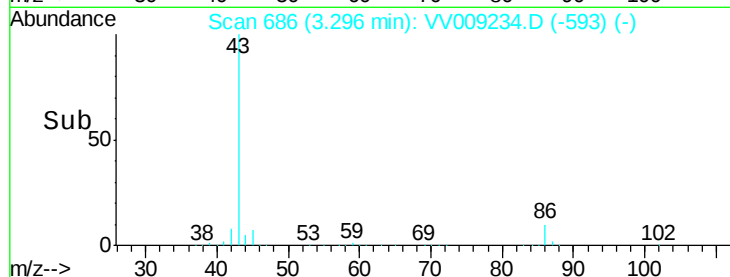
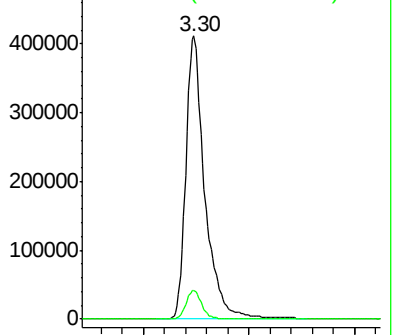
MMDadoda

1/24/2019 11:44:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#24

1,1-Dichloroethane

Concen: 97.769 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

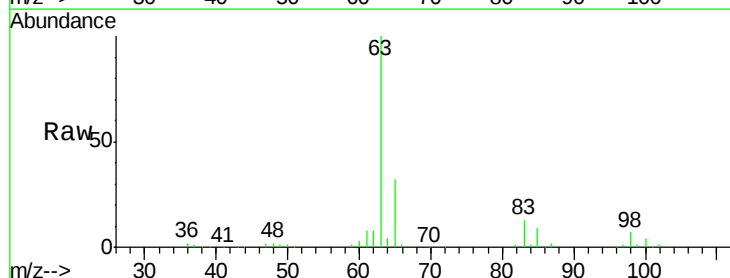
Tgt Ion: 63 Resp: 227856

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

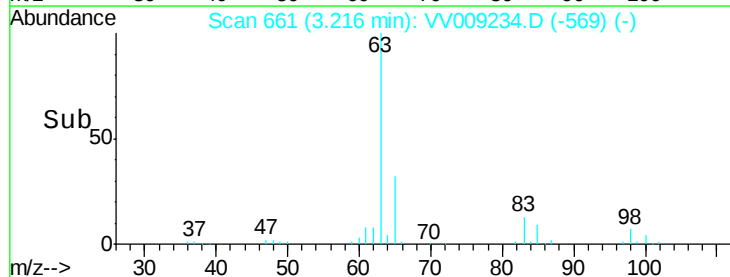
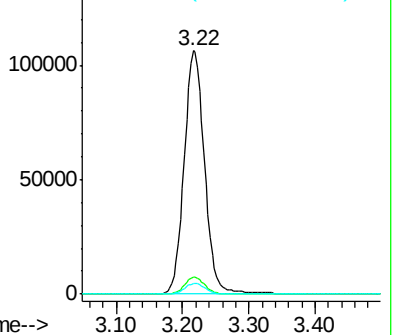
100 4.1 2.2 6.6

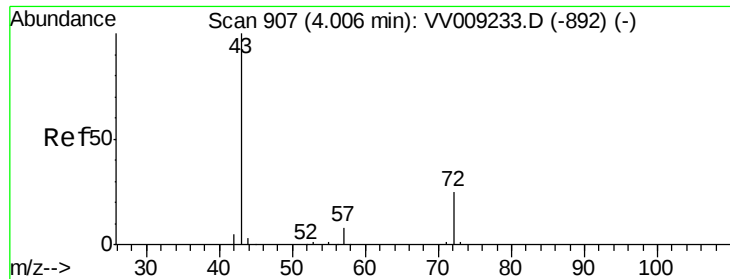


Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

Ion 99.90 (99.60 to 100.60): VV0





#25

2-Butanone

Concen: 474.586 ug/l

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 176843

Ion Ratio Lower Upper

43 100

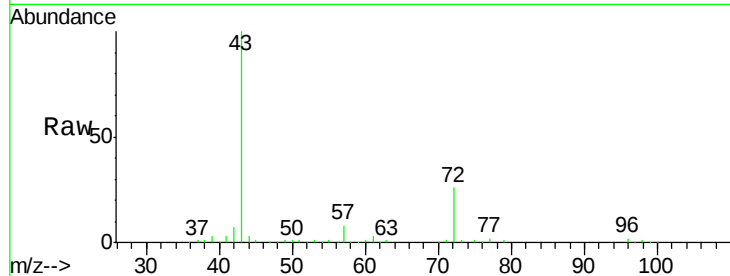
72 24.9 20.2 30.4

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

80000

60000

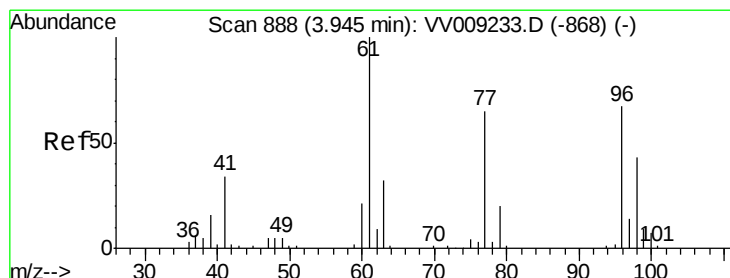
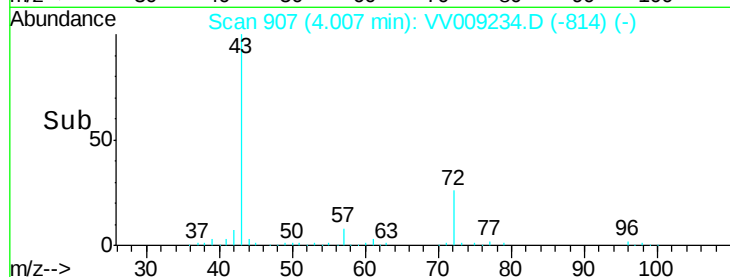
40000

20000

0

Time-->

3.90 3.95 4.00 4.05 4.10



#26

2,2-Dichloropropane

Concen: 112.703 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009234.D

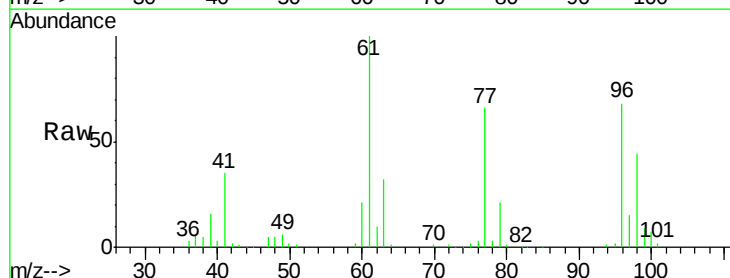
Acq: 22 Jan 2019 13:52

Tgt Ion: 77 Resp: 138858

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0

50000

40000

30000

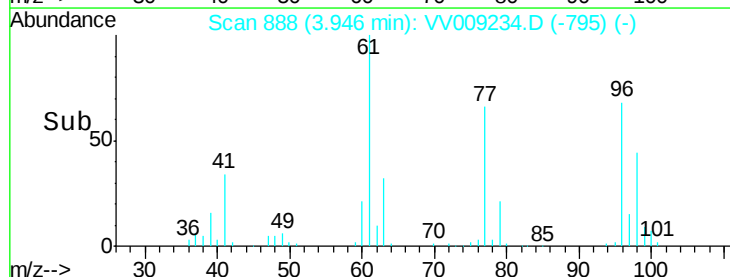
20000

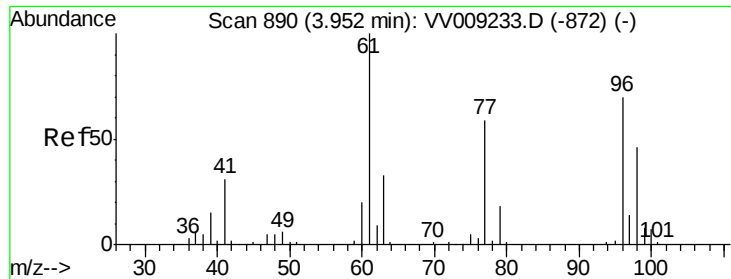
10000

0

Time-->

3.90 4.00





#27

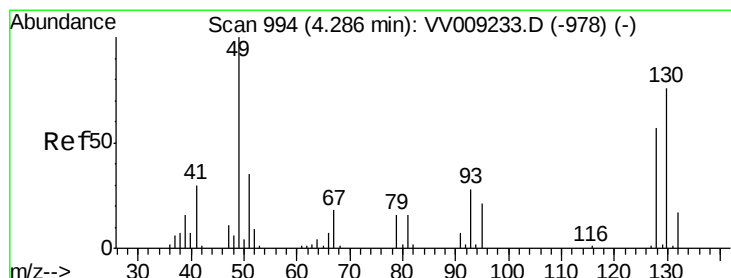
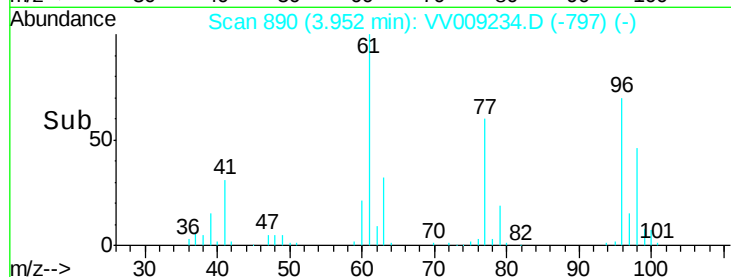
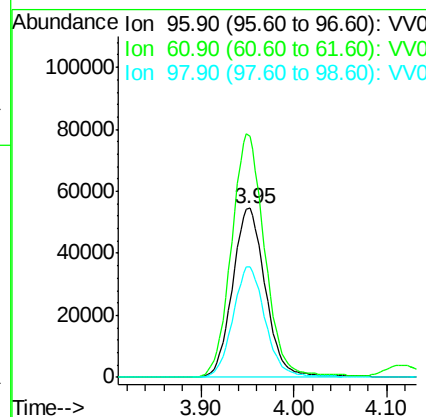
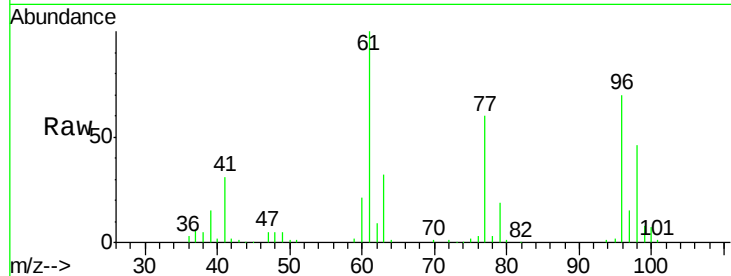
cis-1,2-Dichloroethene
Concen: 100.275 ug/l
RT: 3.95 min Scan# 890
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134271		
61	146.0	0.0	296.4	
98	64.7	0.0	130.0	

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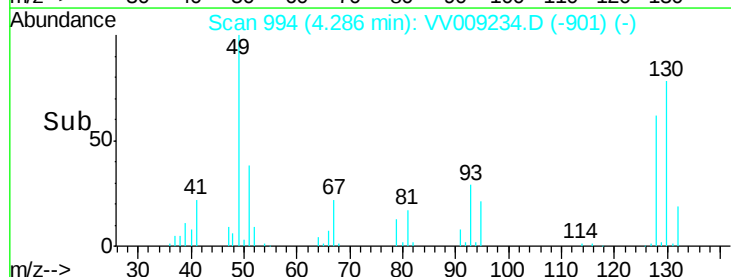
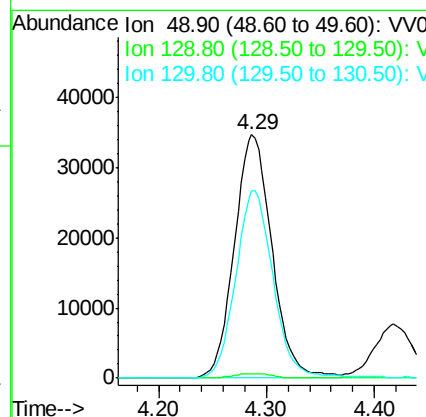
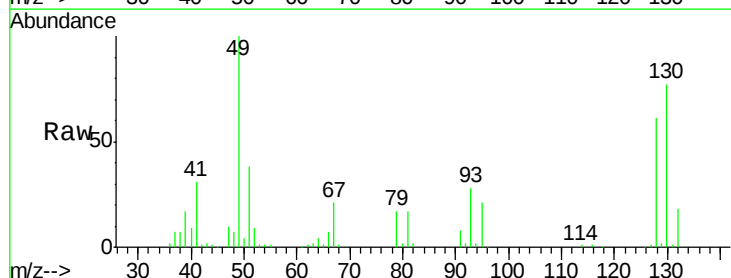
MMDadoda
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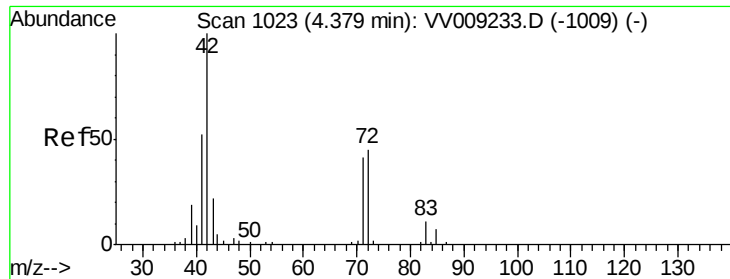


#28

Bromochloromethane
Concen: 94.288 ug/l
RT: 4.29 min Scan# 994
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84370		
129	1.8	0.0	3.6	
130	76.4	60.2	90.4	





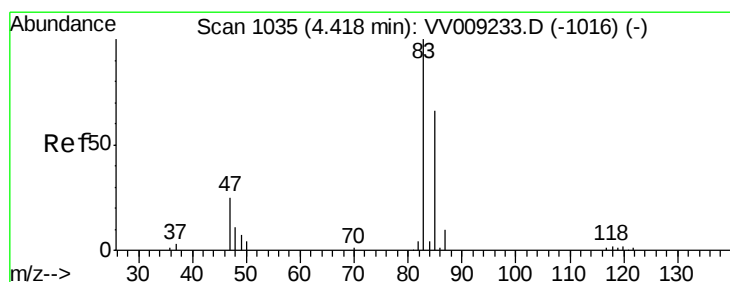
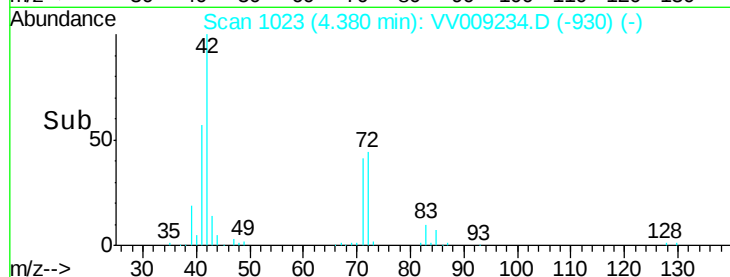
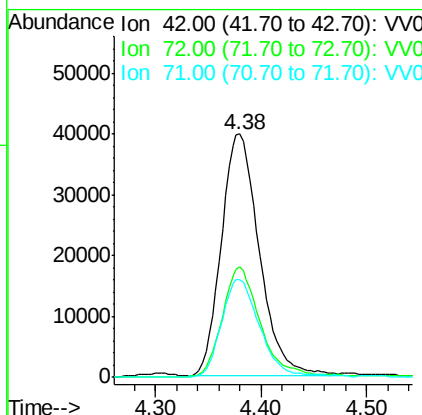
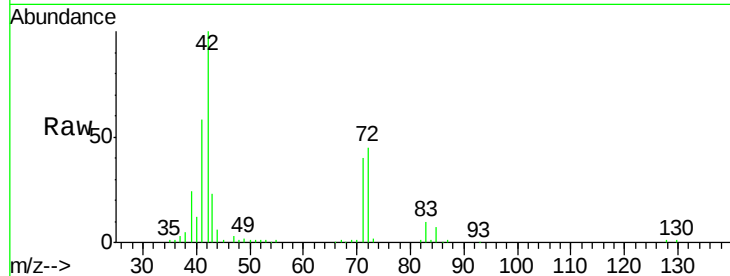
#29
Tetrahydrofuran
Concen: 463.963 ug/l
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.7	56.5
71	41.3	31.5	47.3

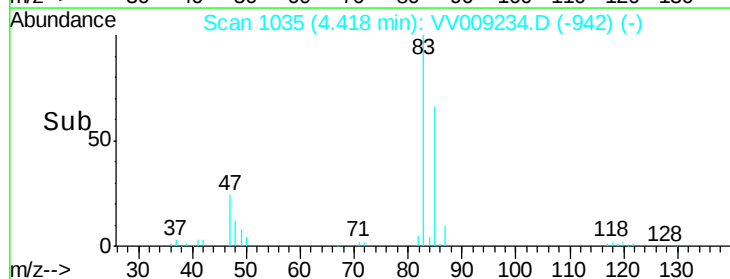
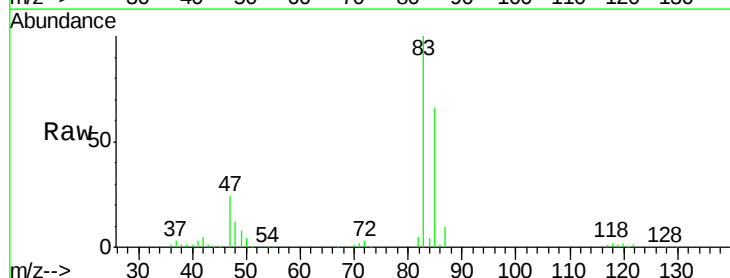
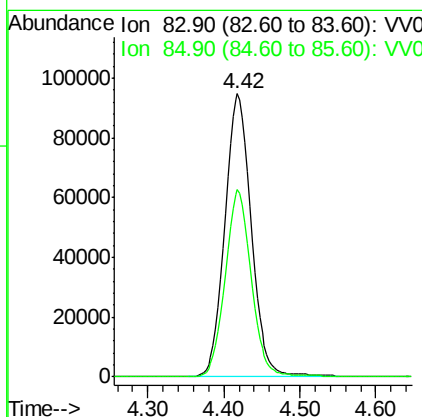
Manual Integrations
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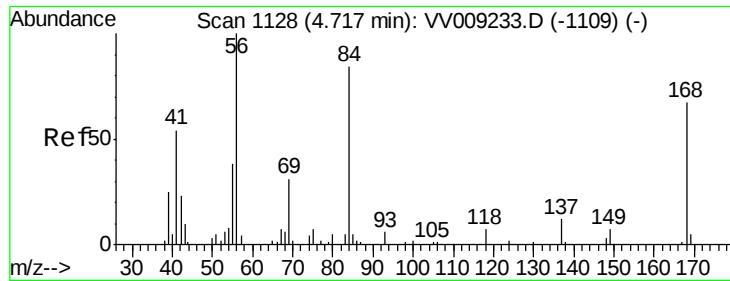
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#30
Chloroform
Concen: 95.056 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	79.0





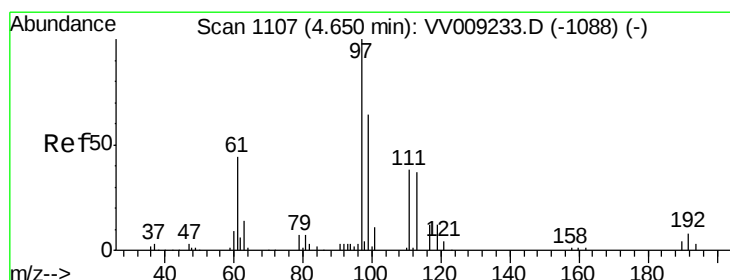
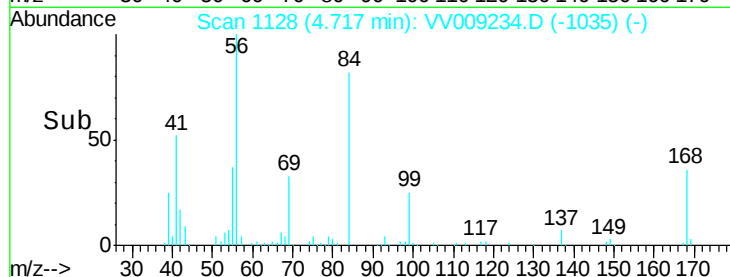
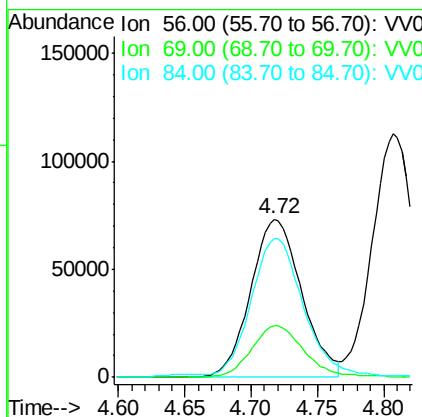
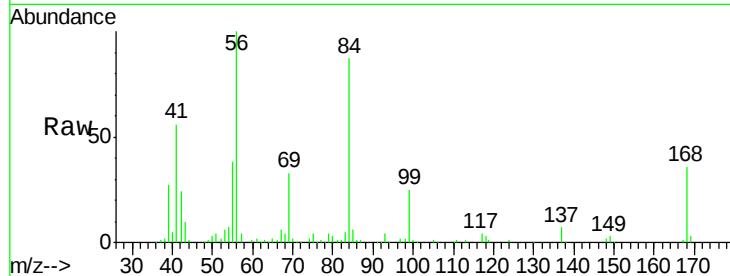
#31
Cyclohexane
Concen: 94.806 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.1	37.7
84	85.4	67.3	100.9

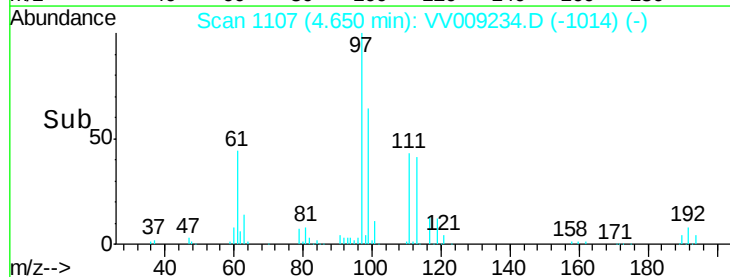
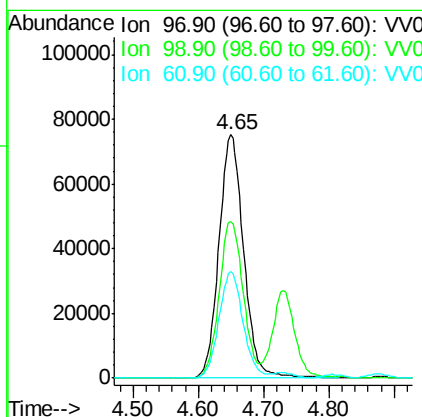
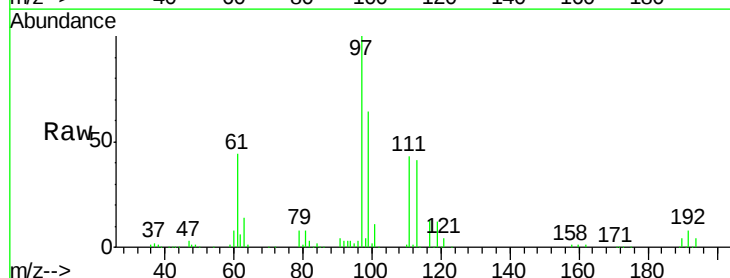
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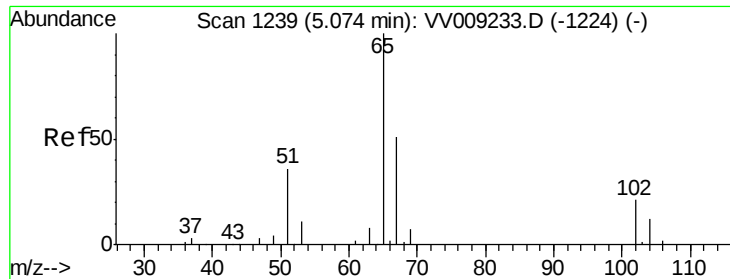
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#32
1,1,1-Trichloroethane
Concen: 102.105 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.2	75.2
61	42.7	34.7	52.1





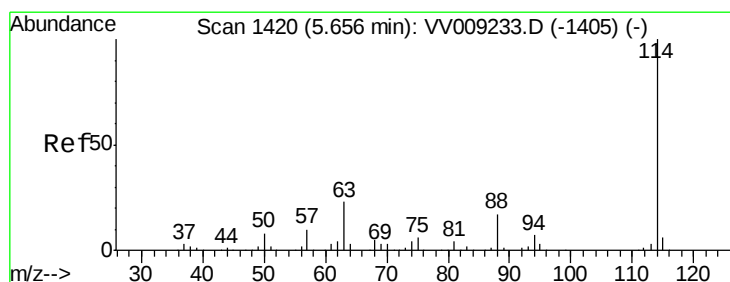
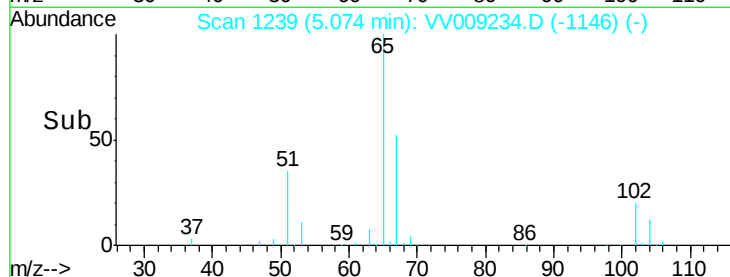
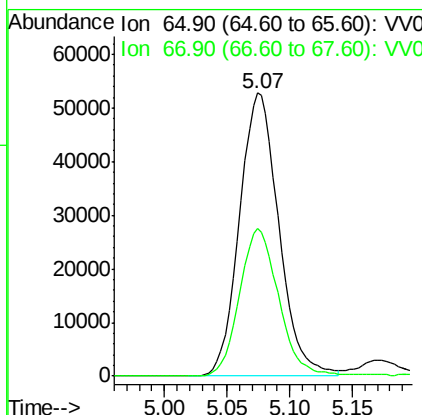
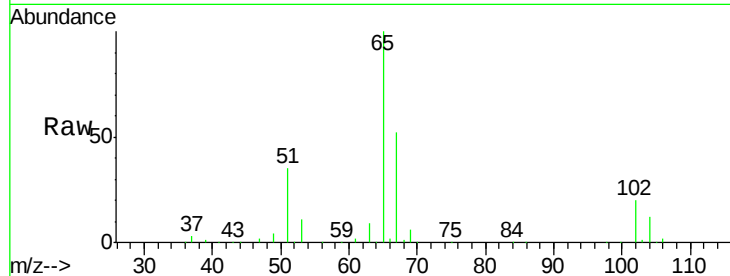
#33
 1,2-Dichloroethane-d4
 Concen: 89.940 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	102.8	

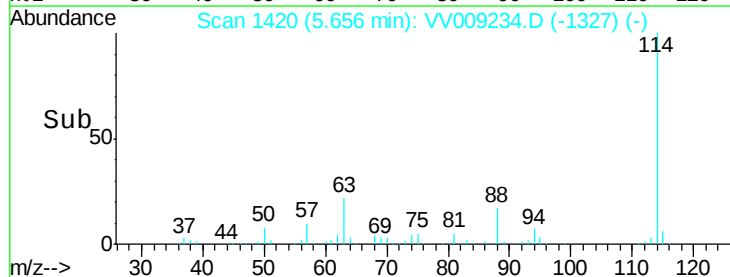
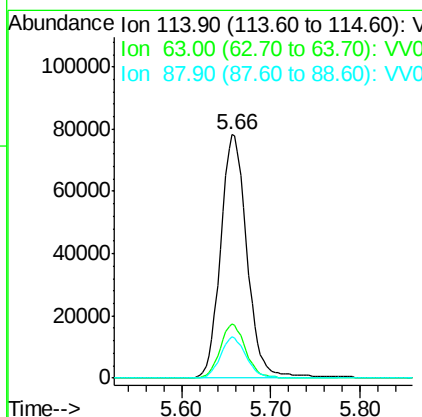
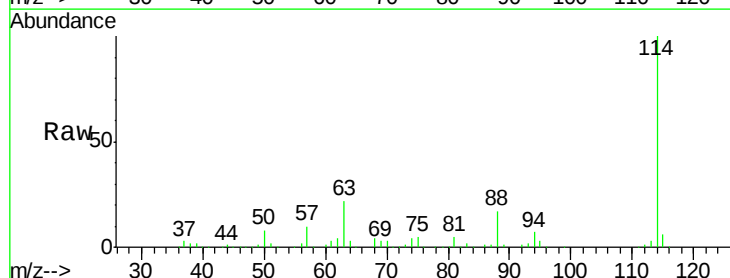
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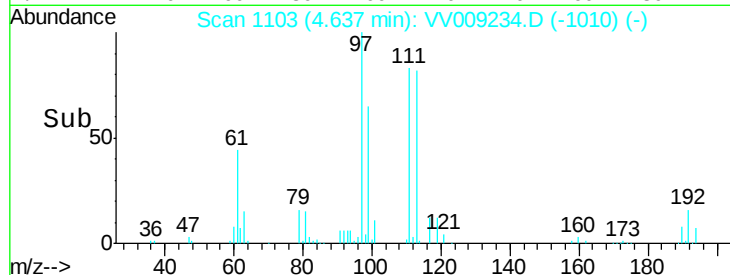
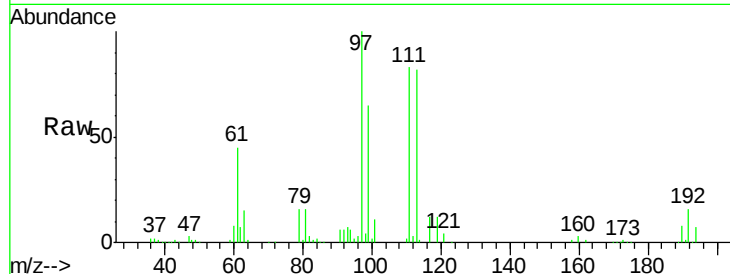
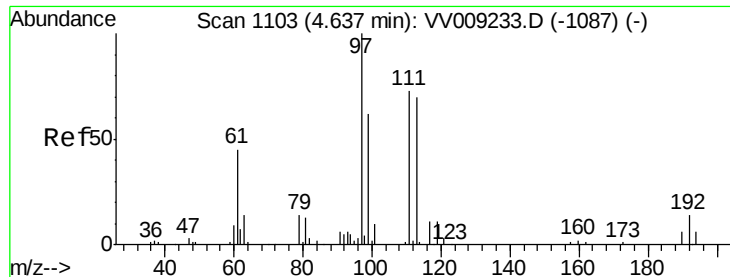
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	45.2	
88	16.9	0.0	33.4	





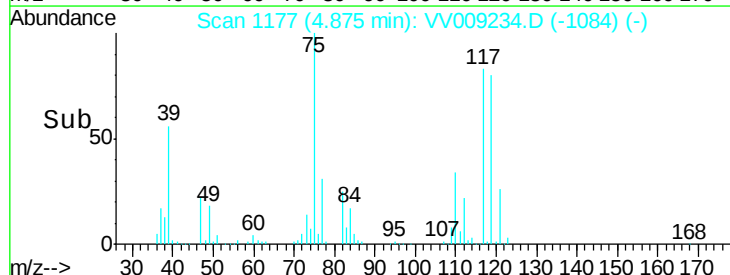
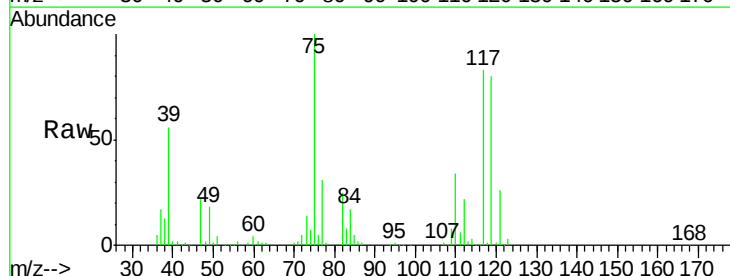
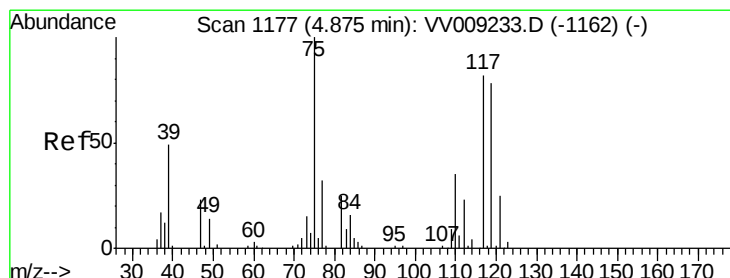
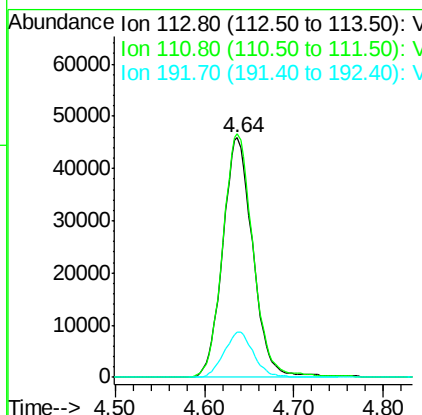
#35
Dibromofluoromethane
Concen: 100.505 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106958		
111	102.9	82.4	123.6	
192	18.6	15.0	22.6	

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

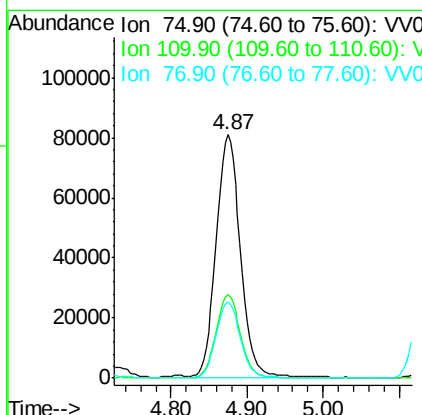
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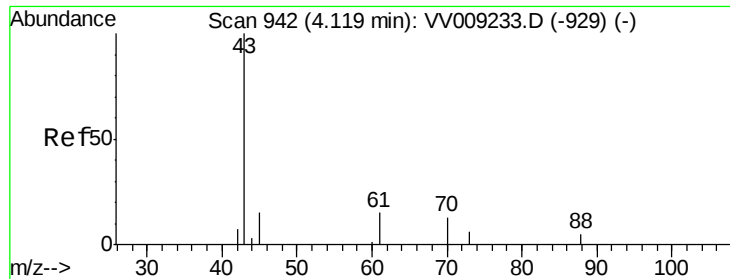
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#36
1,1-Dichloropropene
Concen: 102.878 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178742		
110	34.7	17.5	52.5	
77	30.9	25.5	38.3	





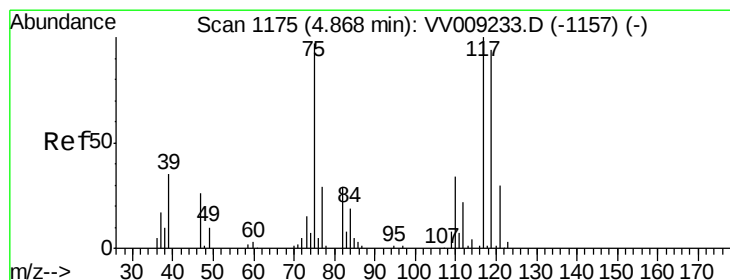
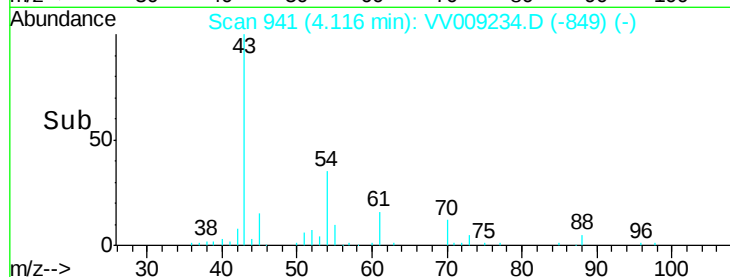
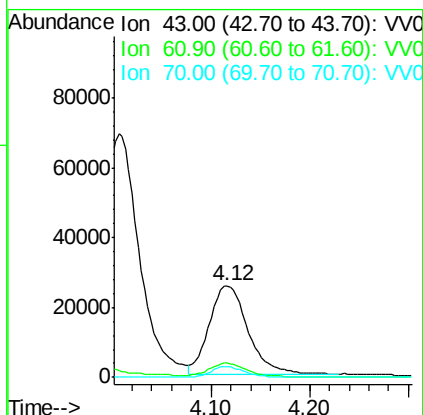
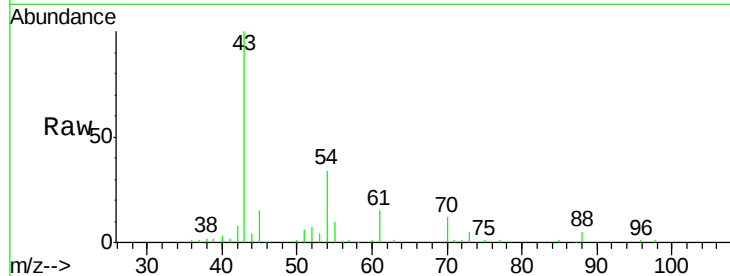
#37
Ethyl Acetate
Concen: 96.742 ug/l
RT: 4.12 min Scan# 941
Delta R.T. -0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.6	8.7	13.1

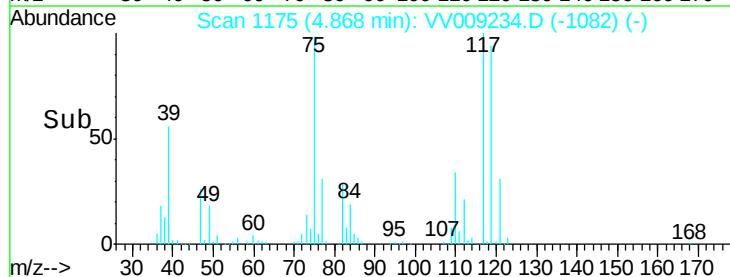
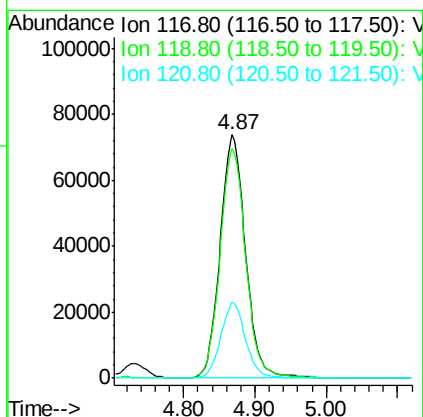
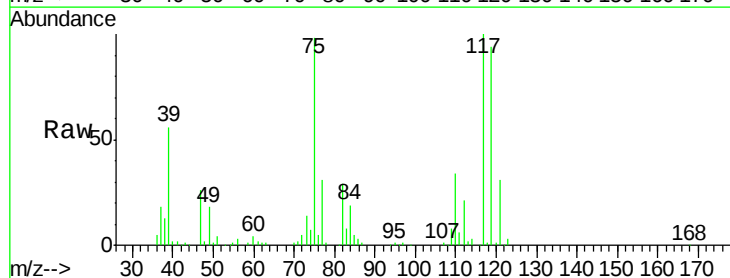
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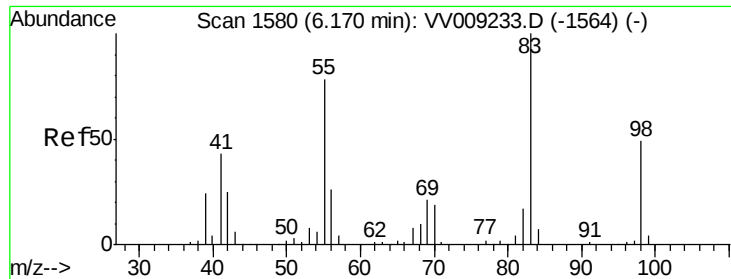
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1/24/2019 11:44:06 AM



#38
Carbon Tetrachloride
Concen: 105.569 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.2
121	31.3	24.2	36.2





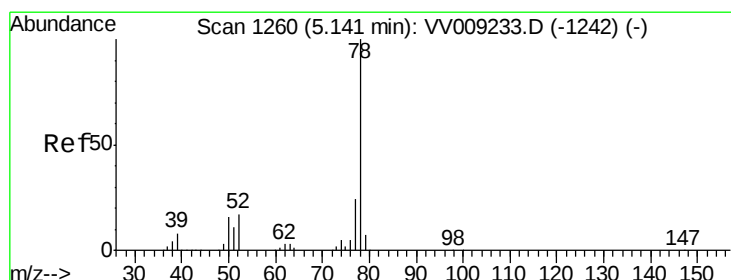
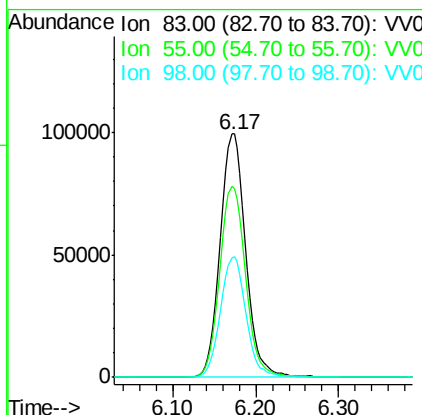
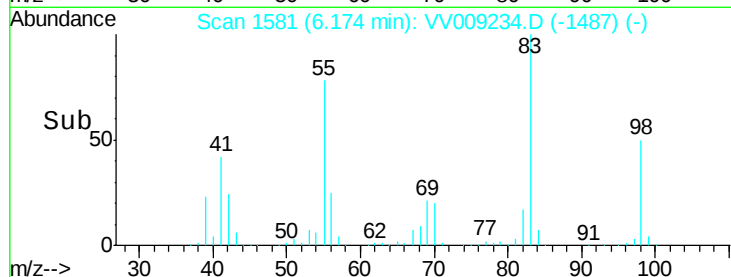
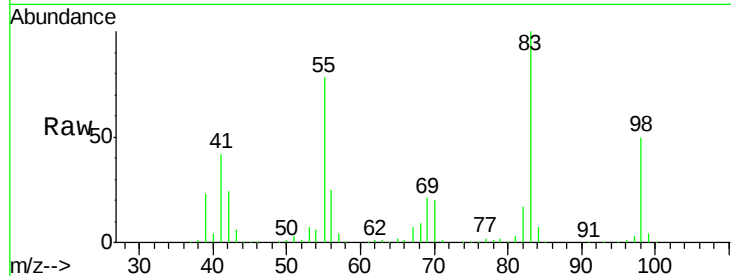
#39
Methvlcvclohexane
Concen: 106.584 ug/l
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	213095		
55	77.7	62.8	94.2	
98	49.7	39.1	58.7	

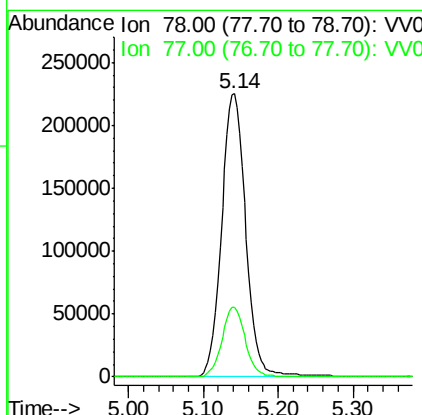
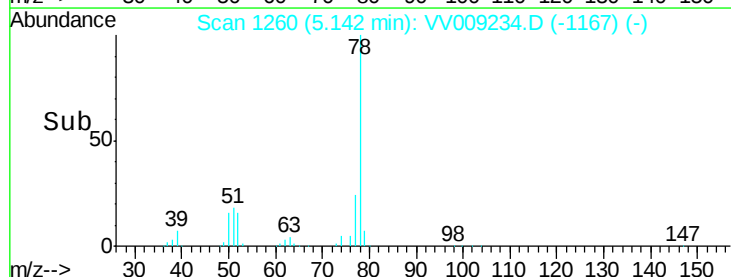
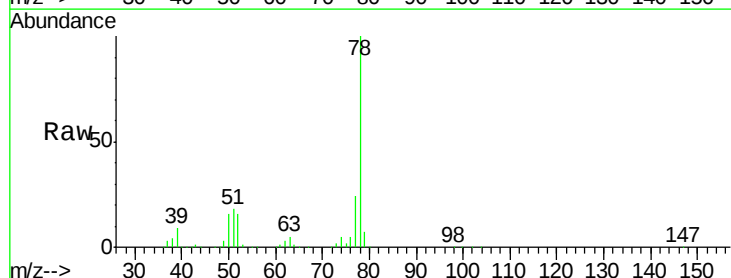
Manual Integrations
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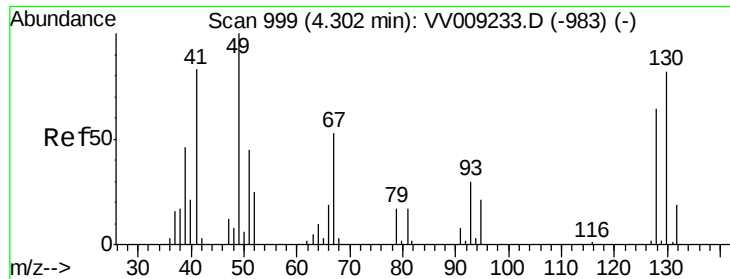
MMDadoda
1/24/2019 11:44:06 AM



#40
Benzene
Concen: 102.410 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	502607		
77	24.4	19.4	29.2	





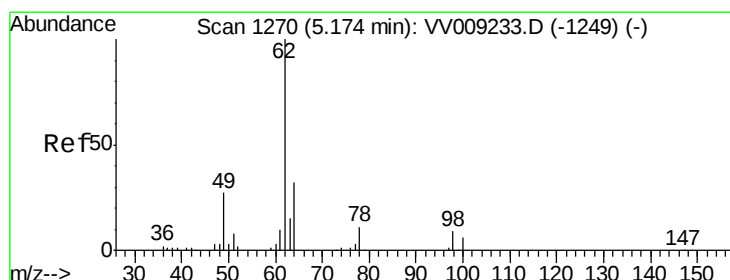
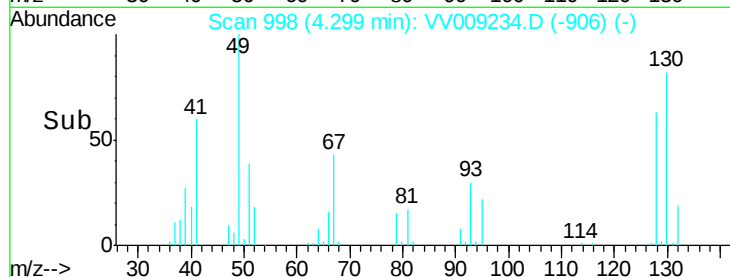
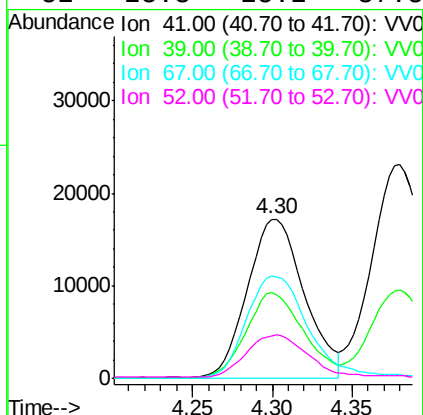
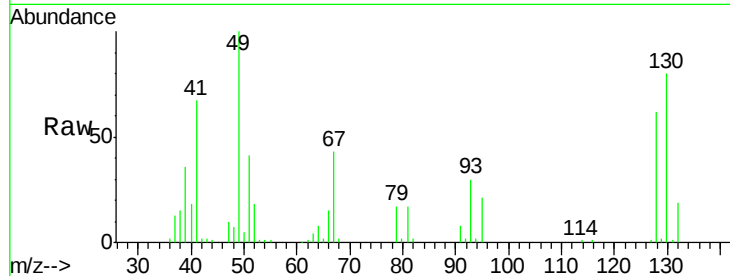
#41
Methacrylonitrile
Concen: 99.641 ug/l
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	45.4	68.0	
67	70.3	55.5	83.3	
52	28.3	25.2	37.8	

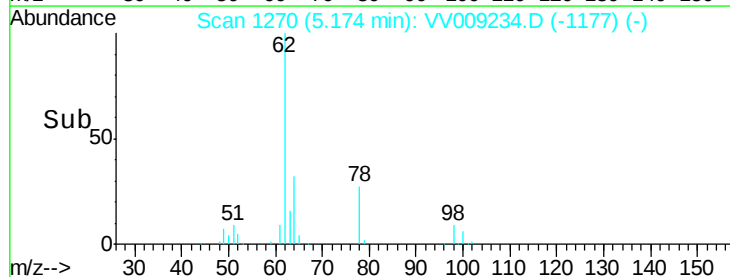
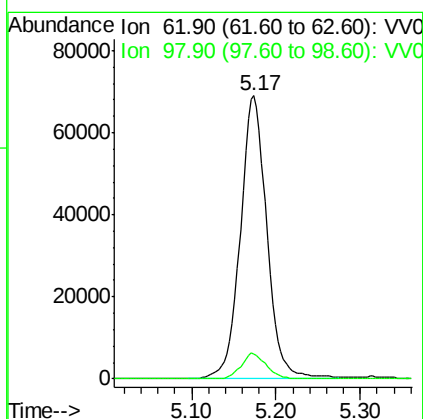
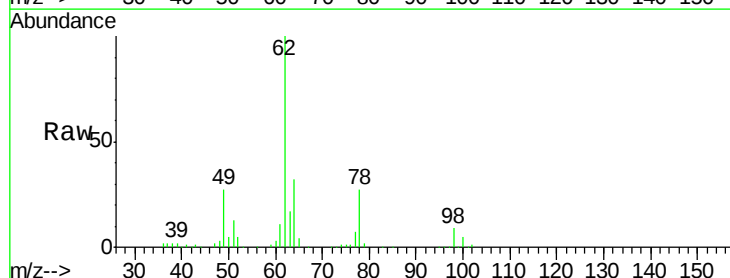
Manual Integrations
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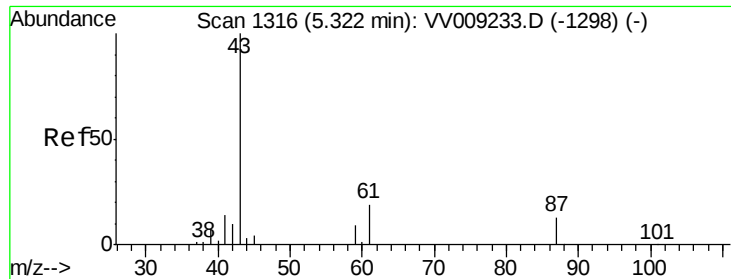
MMDadoda
1/24/2019 11:44:06 AM



#42
1,2-Dichloroethane
Concen: 92.702 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.4	





#43

Isopropyl Acetate

Concen: 94.250 ug/l

RT: 5.32 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

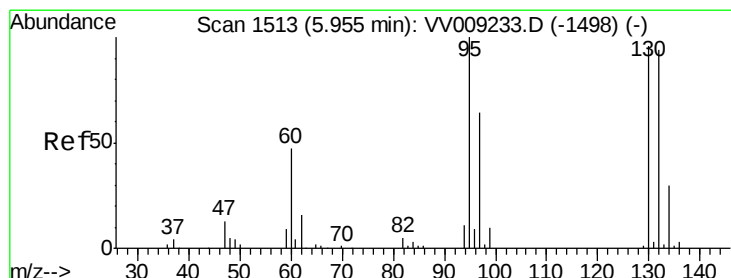
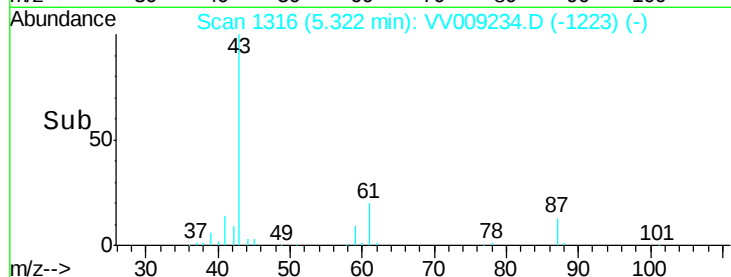
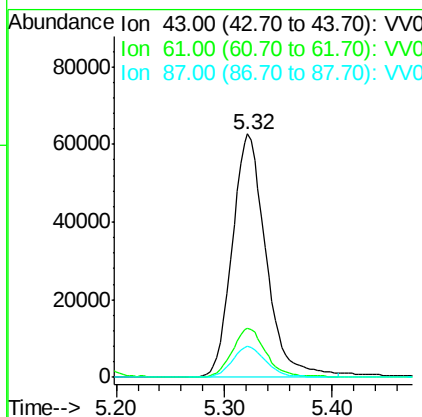
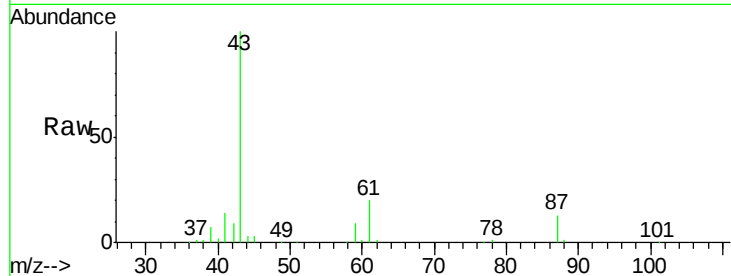
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	135917
Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.4	23.0
87	13.0	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 104.245 ug/l

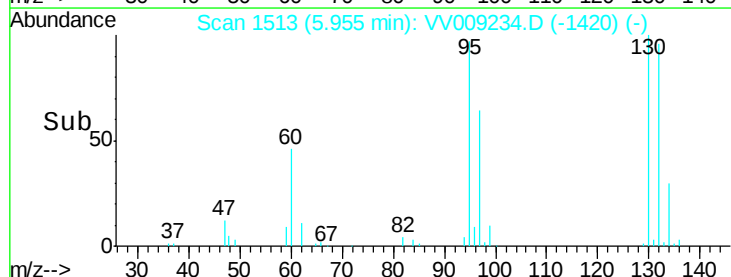
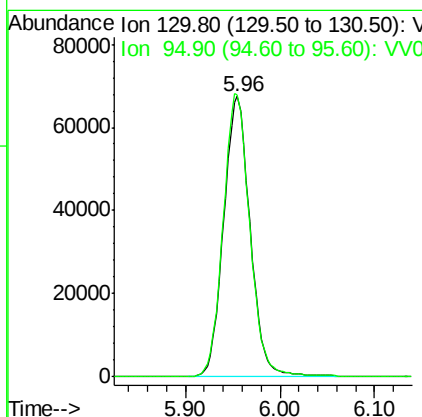
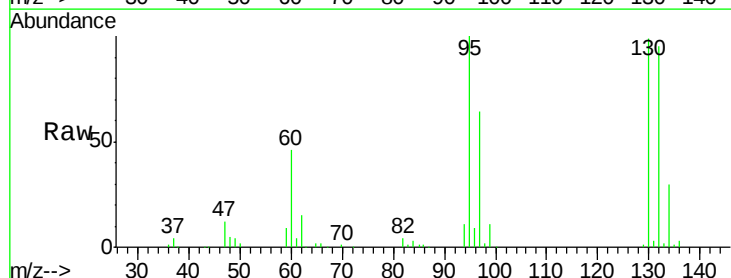
RT: 5.96 min Scan# 1513

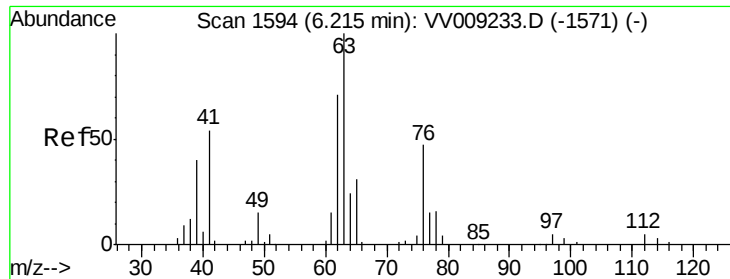
Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion:	130	Resp:	131717
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	208.2





#45

1,2-Dichloropropane

Concen: 101.845 ug/l

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 121807

Ion Ratio Lower Upper

63 100

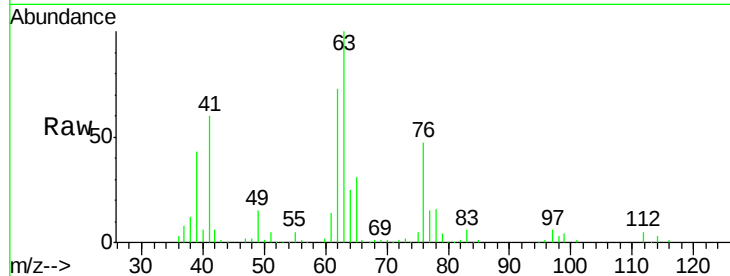
65 31.3 25.1 37.7

Manual Integrations

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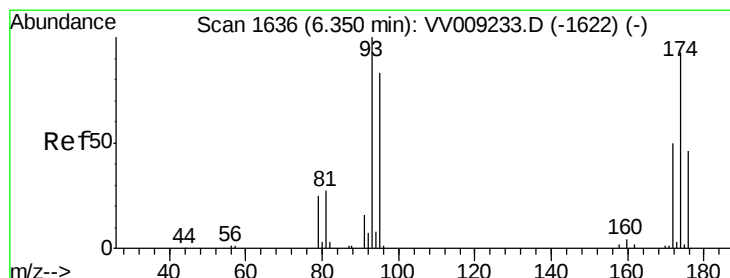
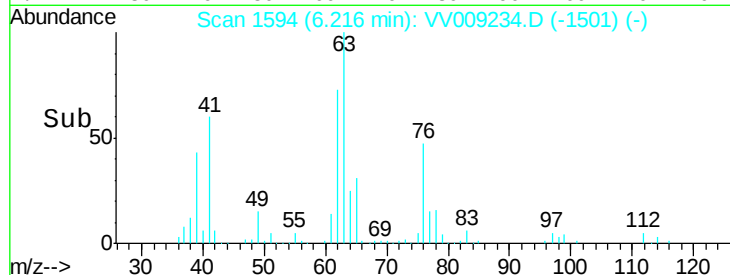
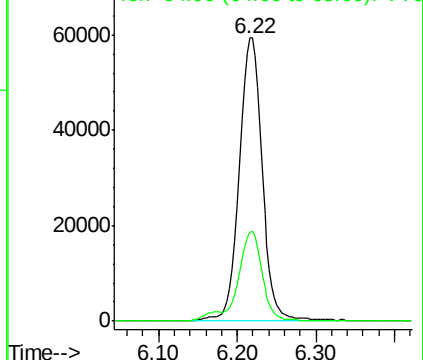
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Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 64.90 (64.60 to 65.60): VV0



#46

Dibromomethane

Concen: 96.619 ug/l

RT: 6.35 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

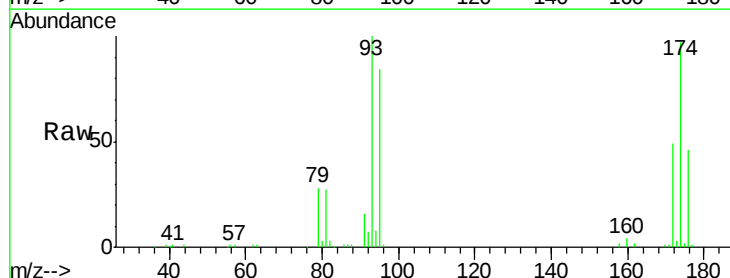
Tgt Ion: 93 Resp: 62965

Ion Ratio Lower Upper

93 100

95 82.3 64.6 97.0

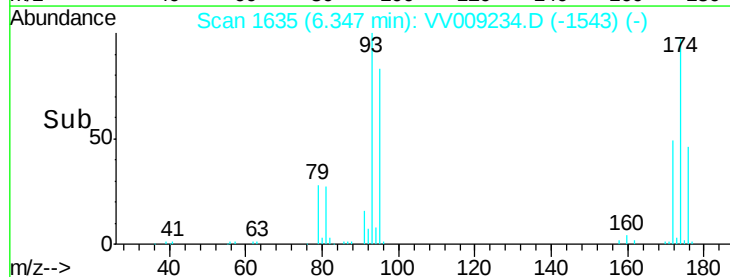
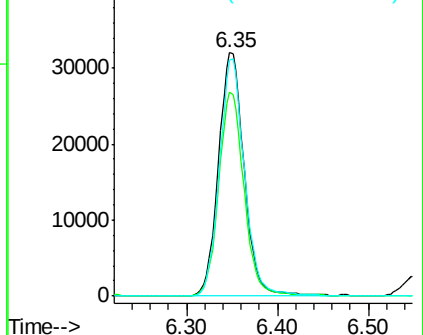
174 95.2 74.0 111.0

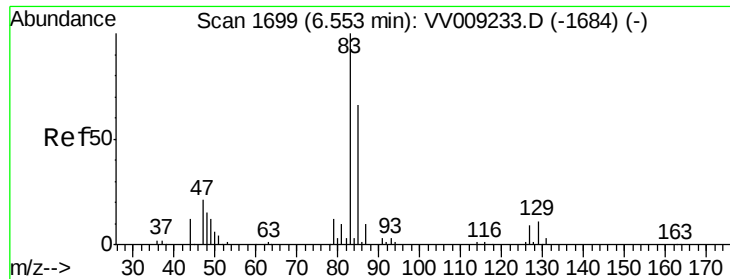


Abundance Ion 92.80 (92.50 to 93.50): VV0

Ion 94.80 (94.50 to 95.50): VV0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 99.093 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

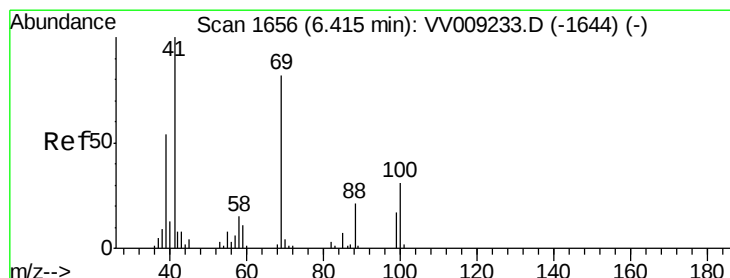
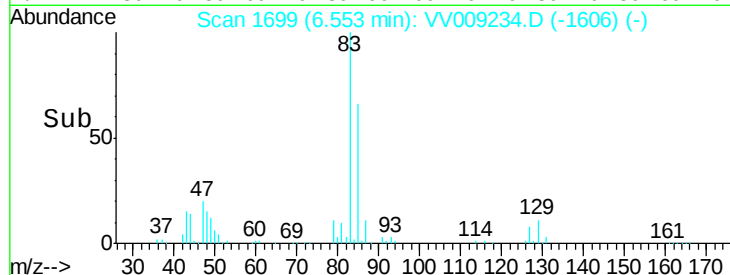
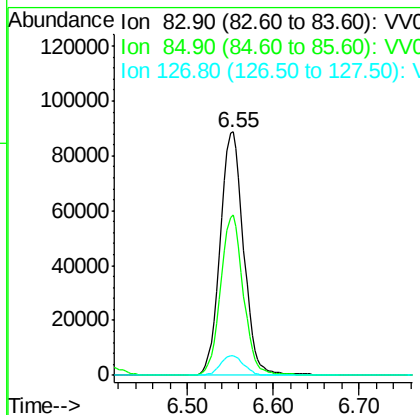
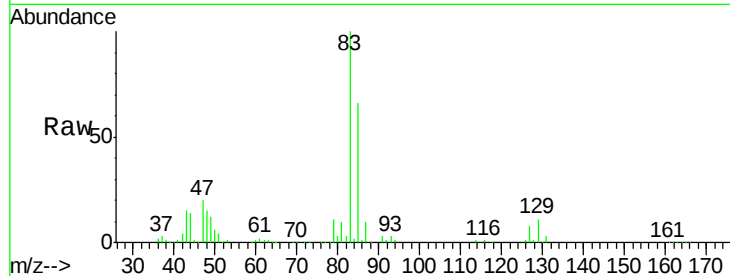
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	168465
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.6	78.8
127	8.2	7.0	10.6

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#48

Methyl methacrylate

Concen: 97.555 ug/l

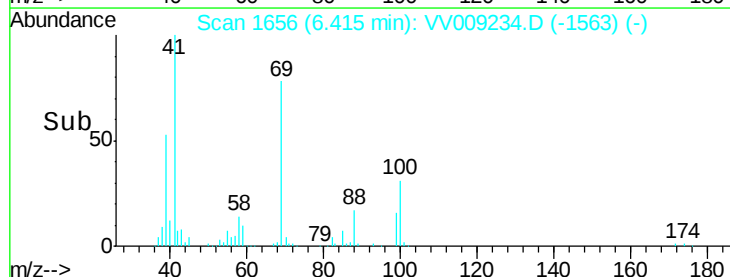
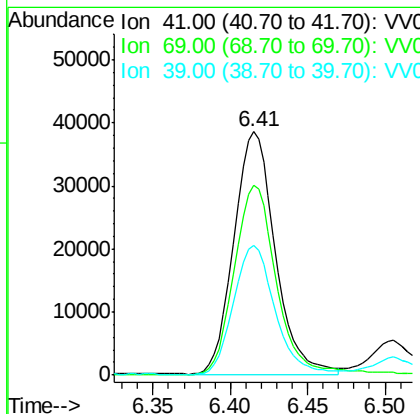
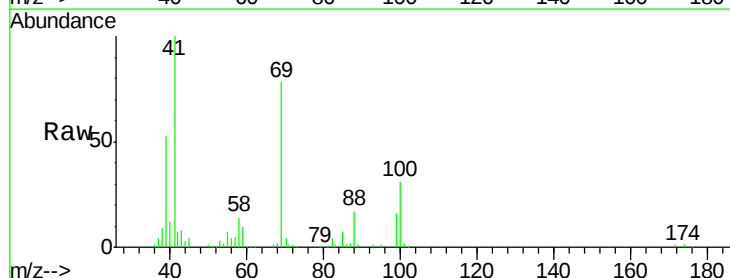
RT: 6.41 min Scan# 1656

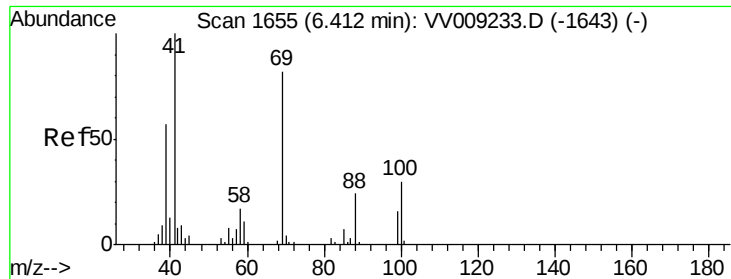
Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion:	41	Resp:	71304
Ion Ratio	Lower	Upper	
41	100		
69	82.2	65.8	98.6
39	53.4	43.4	65.0





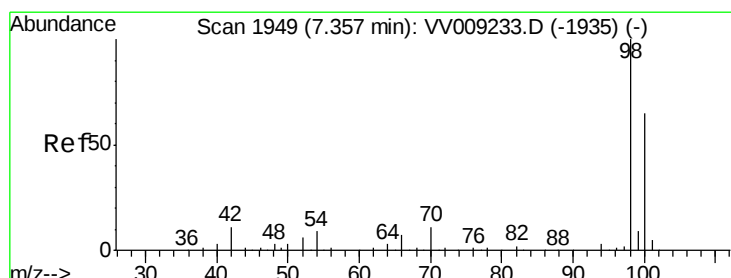
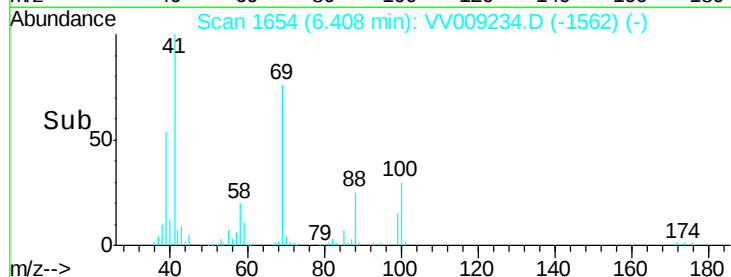
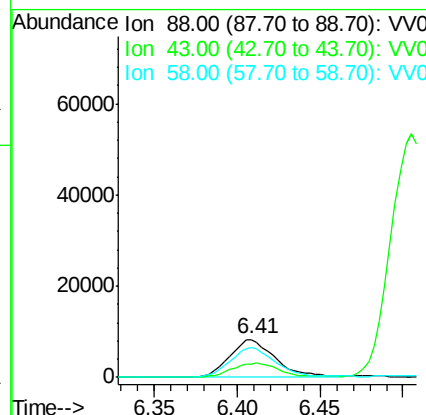
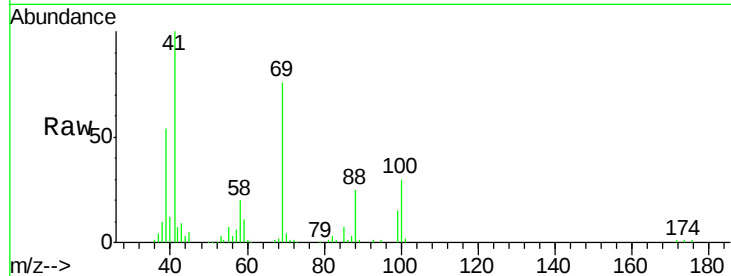
#49
1,4-Dioxane
Concen: 1885.139 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.8		31.9	47.9
58	79.7		62.0	93.0

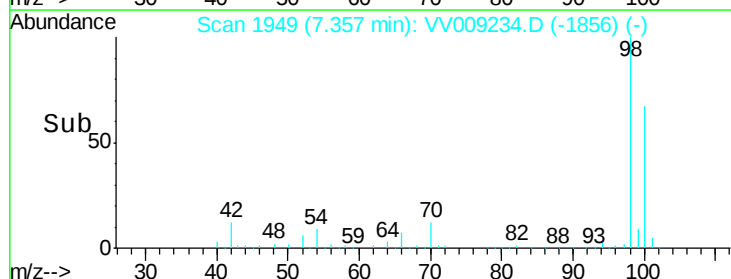
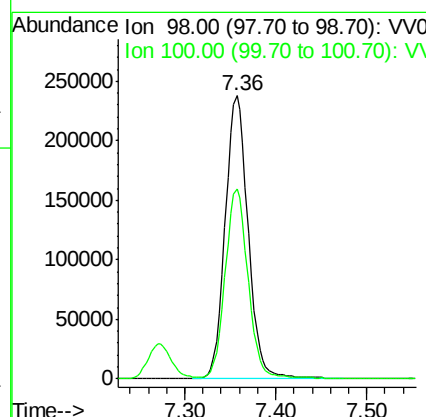
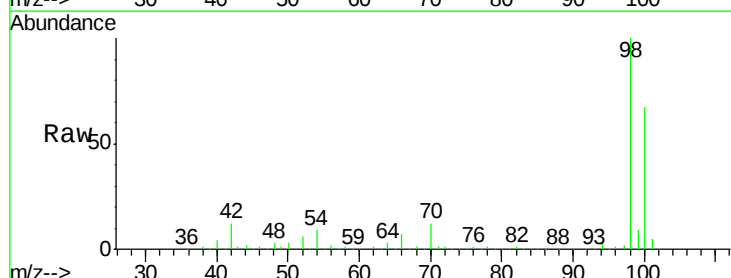
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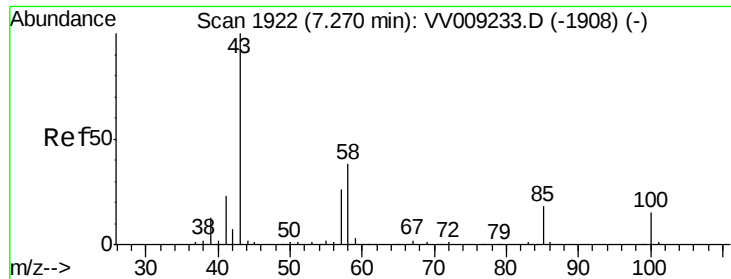
MMDadoda
1/24/2019 11:44:06 AM



#50
Toluene-d8
Concen: 102.348 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.0		52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 477.705 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 344600

Ion Ratio Lower Upper

43 100

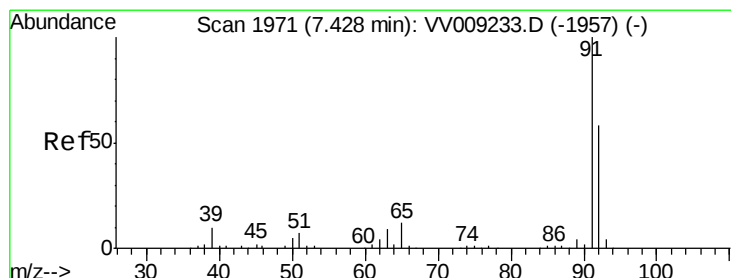
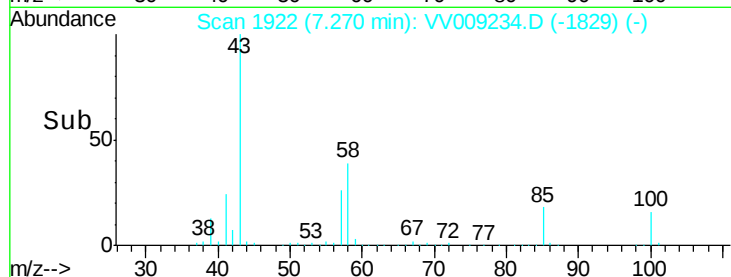
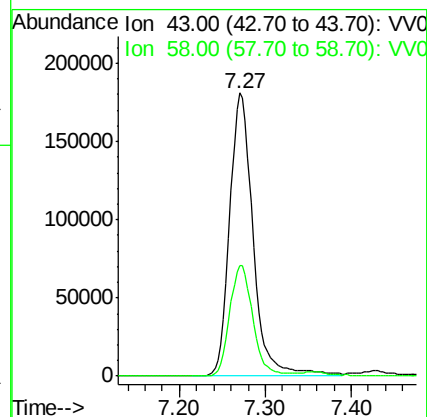
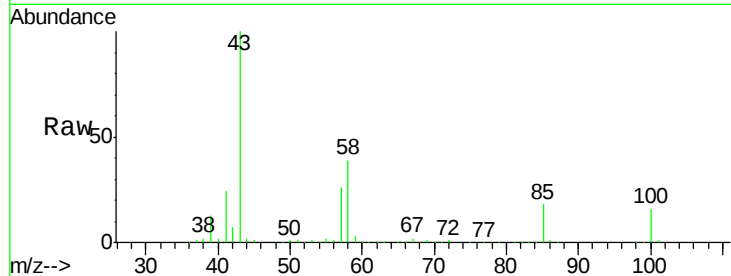
58 38.6 30.4 45.6

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#52

Toluene

Concen: 103.643 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009234.D

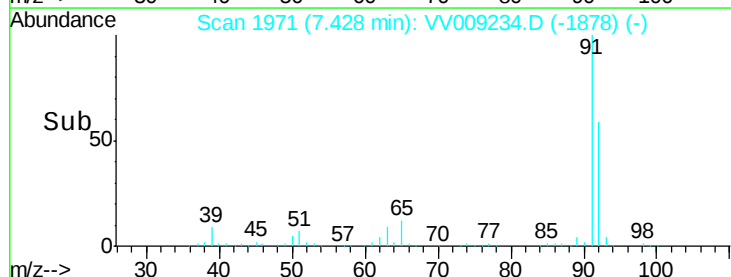
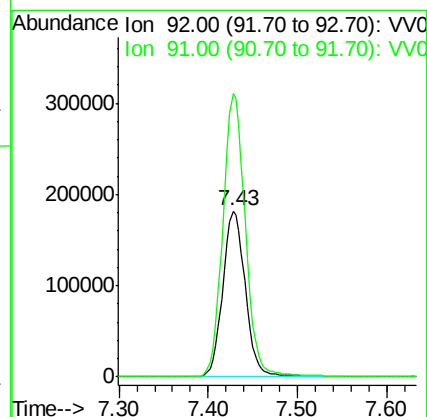
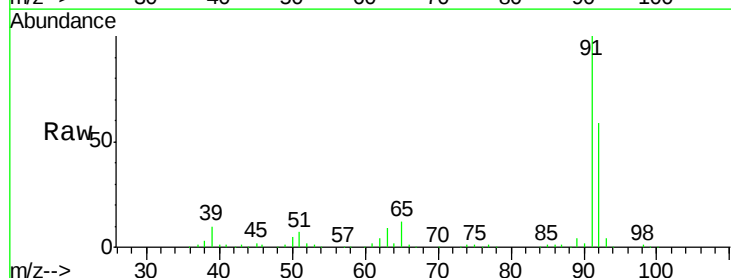
Acq: 22 Jan 2019 13:52

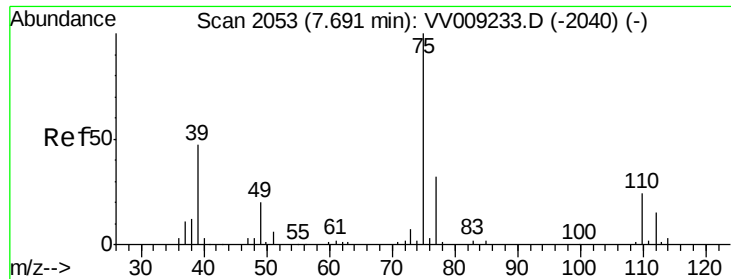
Tgt Ion: 92 Resp: 319266

Ion Ratio Lower Upper

92 100

91 170.6 137.2 205.8





#53

t-1,3-Dichloropropene

Concen: 101.009 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tot Ion: 75 Resp: 167068

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

Instrument :

MSVOA_V

ClientSampleId :

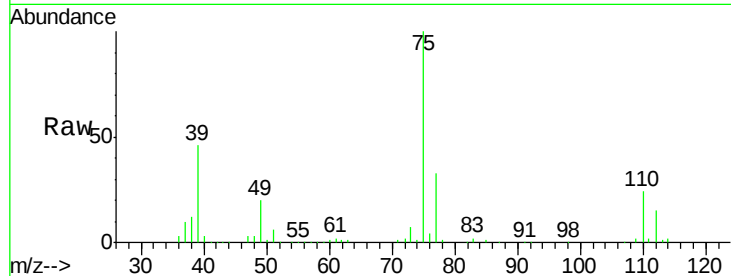
VSTDIC100

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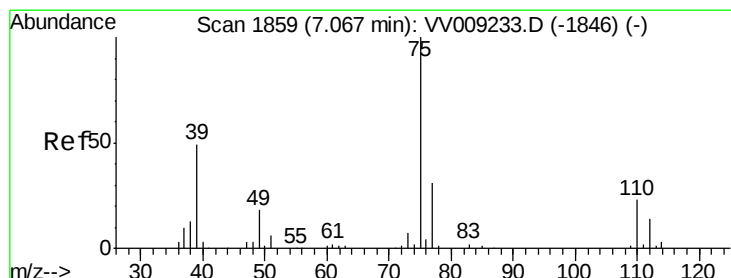
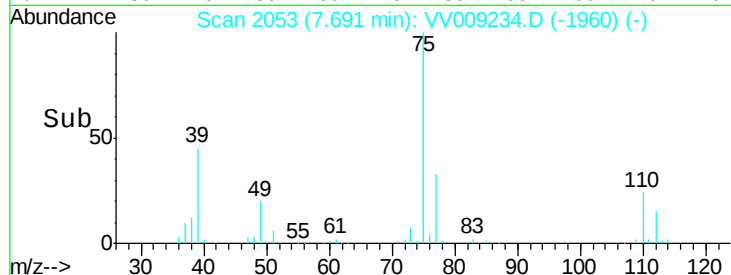
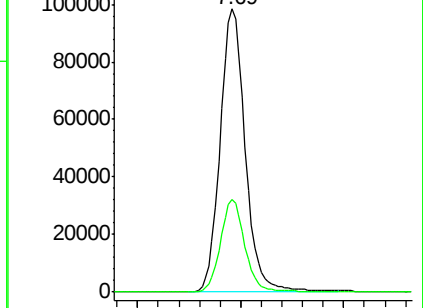
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Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0



#54

cis-1,3-Dichloropropene

Concen: 104.013 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

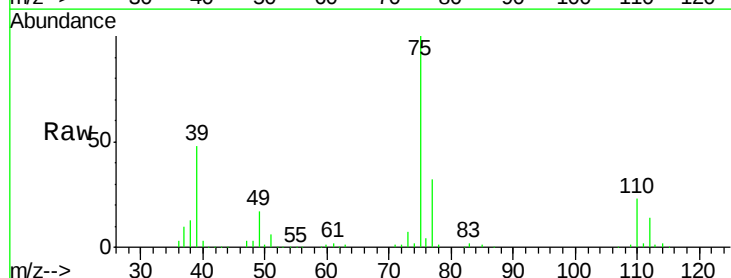
Tgt Ion: 75 Resp: 194922

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

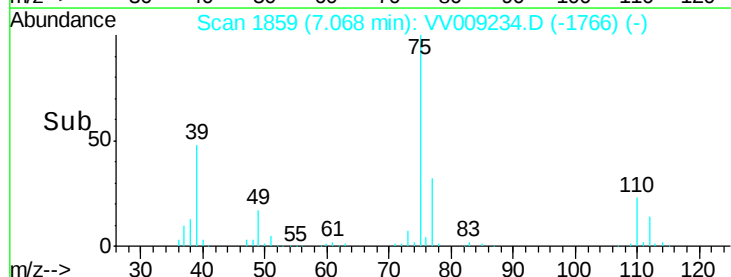
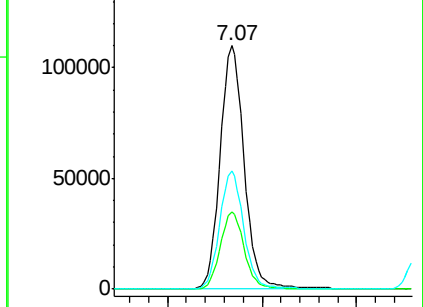
39 48.3 38.8 58.2

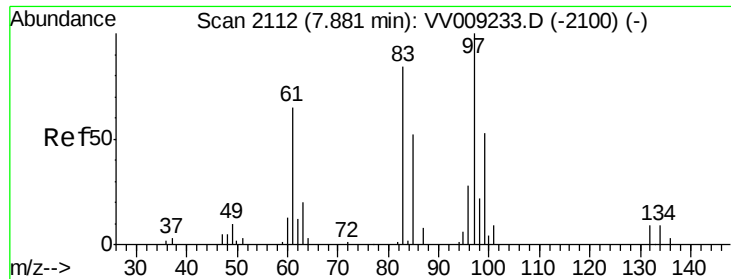


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

Ion 39.00 (38.70 to 39.70): VV0





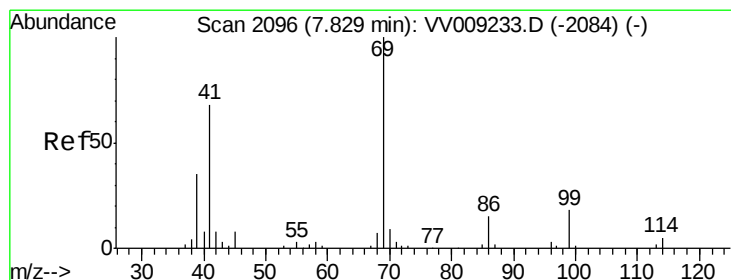
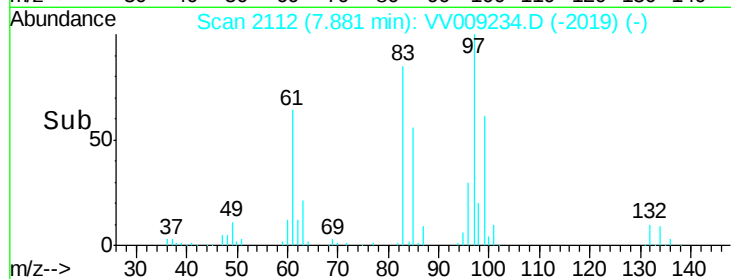
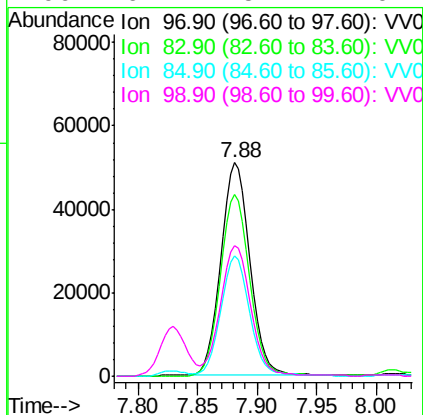
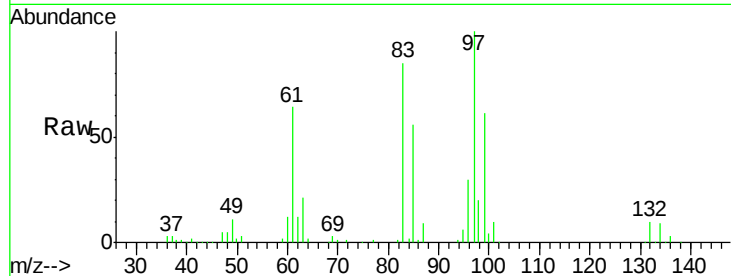
#55
 1,1,2-Trichloroethane
 Concen: 97.916 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	86459
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.0
85	56.1	42.6	64.0
99	61.2	51.1	76.7

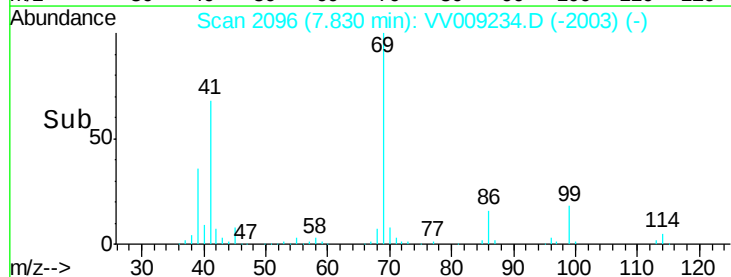
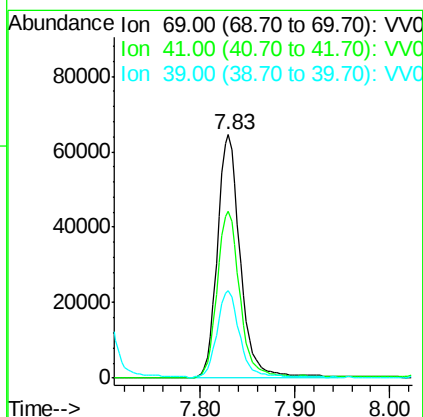
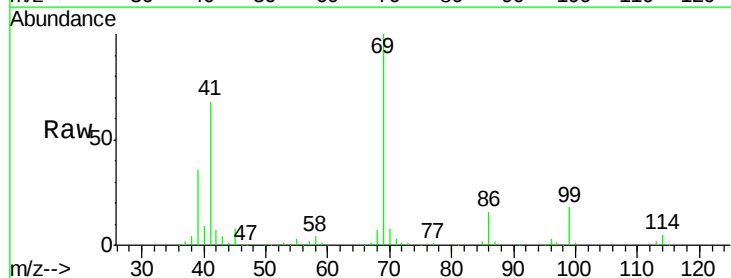
Manual Integrations
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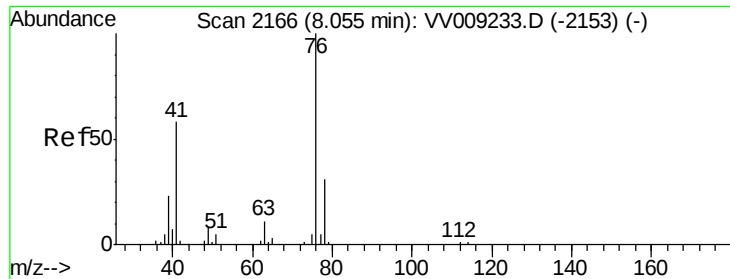
MMDadoda
 1/24/2019 11:44:06 AM



#56
 Ethyl methacrylate
 Concen: 102.054 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Tgt Ion:	69	Resp:	109162
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.0	81.0
39	34.6	26.8	40.2





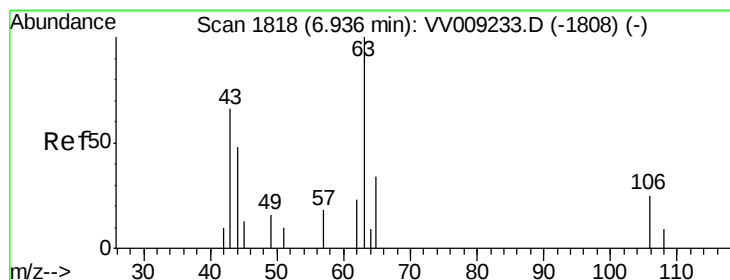
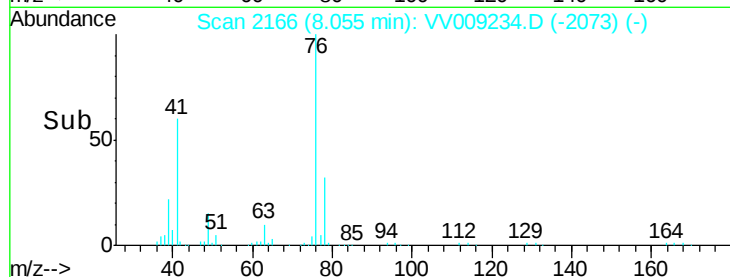
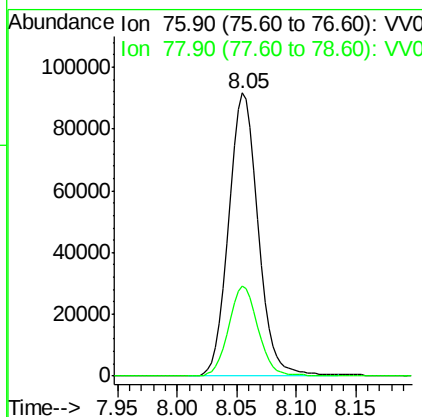
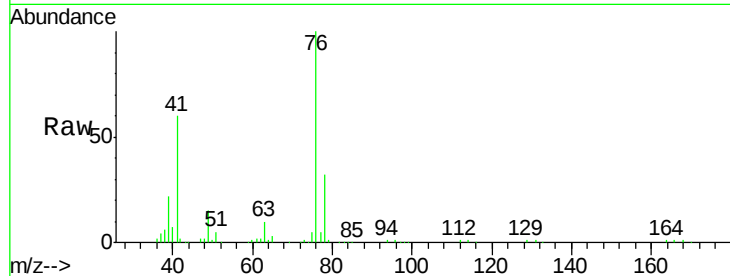
#57
 1,3-Dichloropropane
 Concen: 97.027 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTDIC100

Tot Ion: 76 Resp: 157924
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

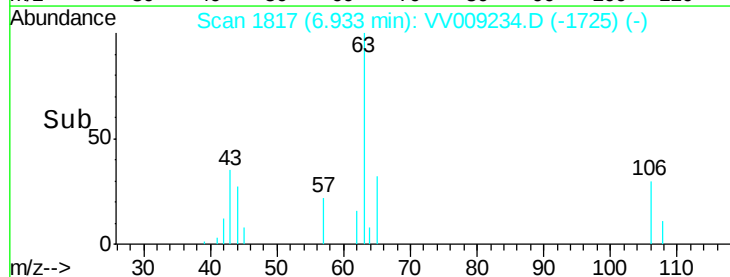
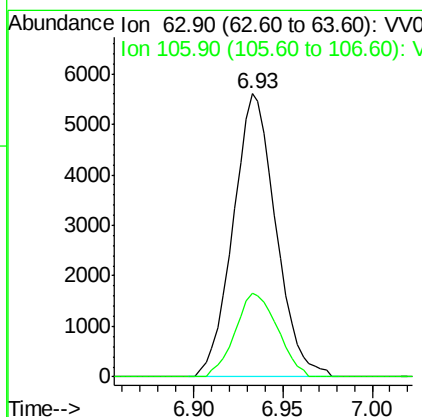
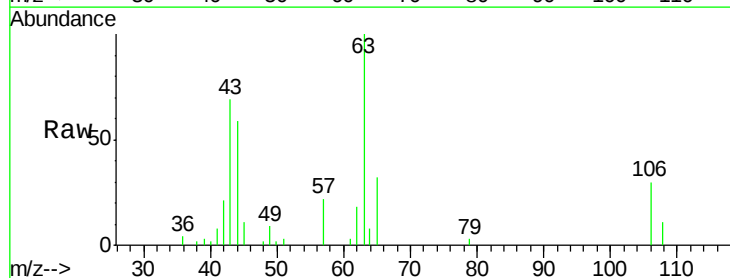
Manual Integrations
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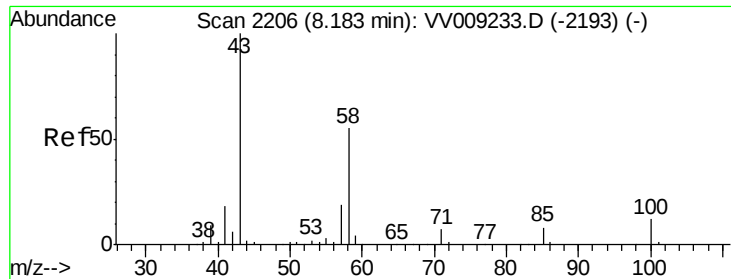
MMDadoda
 1/24/2019 11:44:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 455.150 ug/l
 RT: 6.93 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Tgt Ion: 63 Resp: 9369
 Ion Ratio Lower Upper
 63 100
 106 29.3 19.0 28.6#





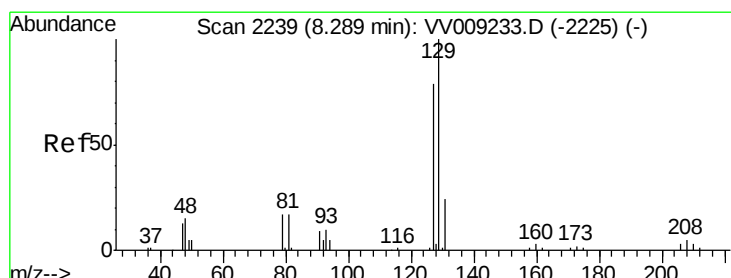
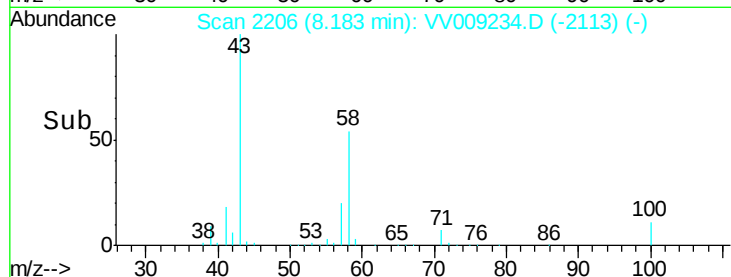
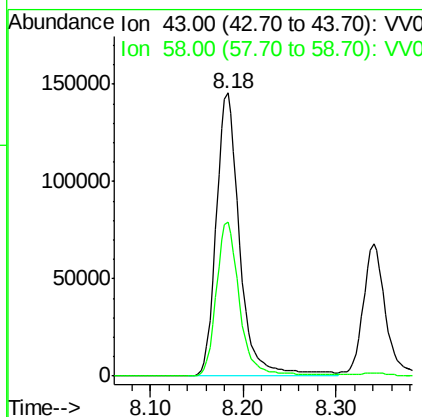
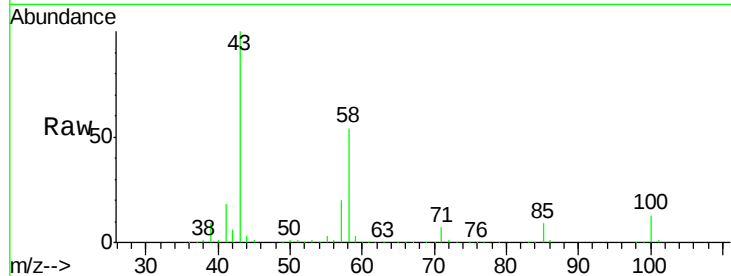
#59
2-Hexanone
Concen: 480.811 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 257084
Ion Ratio Lower Upper
43 100
58 53.9 27.5 82.5

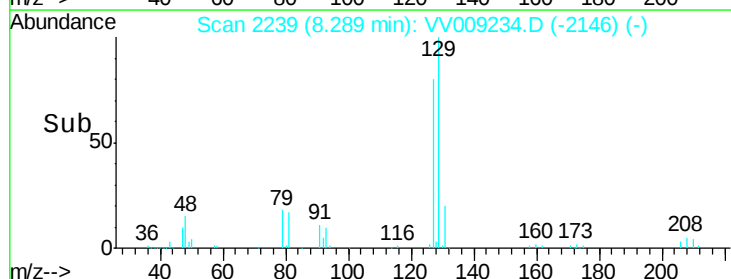
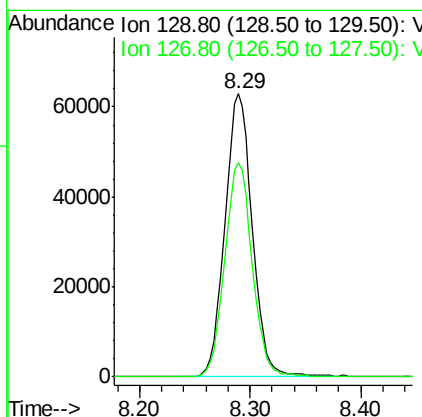
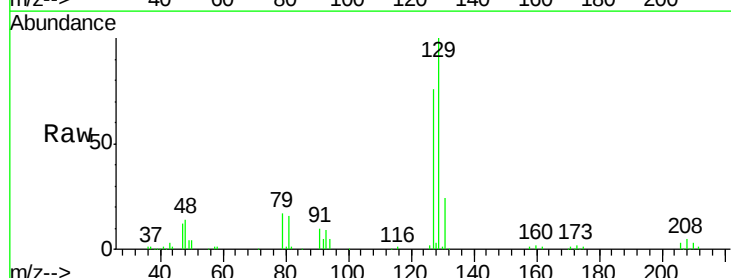
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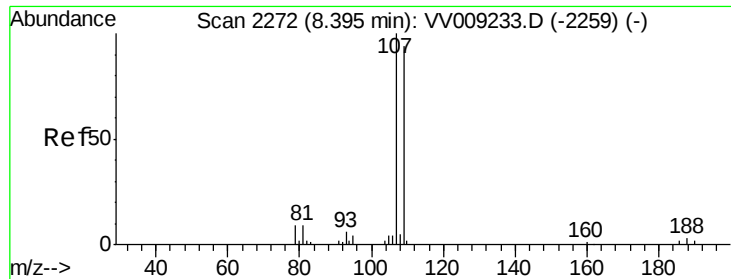
MMDadoda
1/24/2019 11:44:06 AM



#60
Dibromochloromethane
Concen: 102.925 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion: 129 Resp: 108212
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.4





#61

1,2-Dibromoethane

Concen: 98.690 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 86356

Ion Ratio Lower Upper

107 100

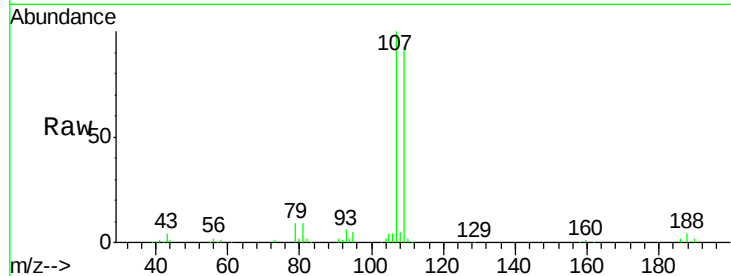
109 93.6 76.2 114.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.40

60000

50000

40000

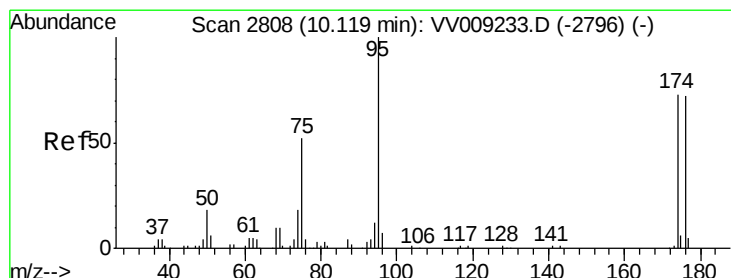
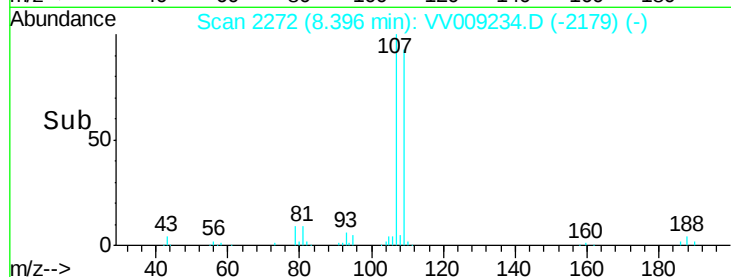
30000

20000

10000

0

Time--> 8.30 8.40 8.50



#62

4-Bromofluorobenzene

Concen: 100.216 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

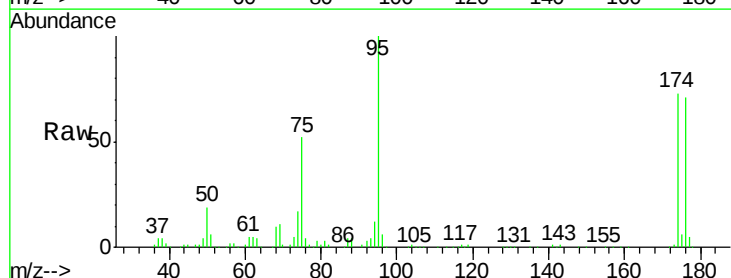
Tgt Ion: 95 Resp: 157570

Ion Ratio Lower Upper

95 100

174 73.7 0.0 148.2

176 71.2 0.0 143.0



Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

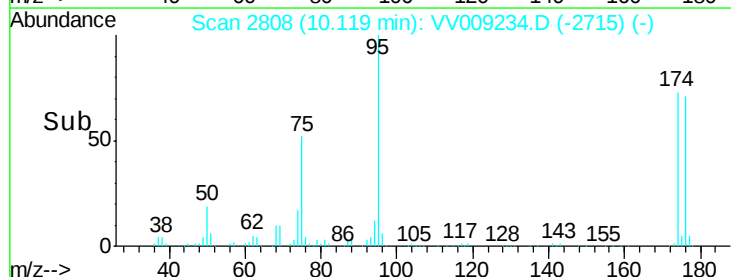
10.12

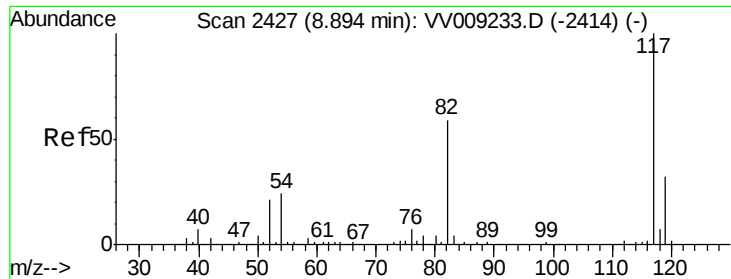
100000

50000

0

Time--> 10.00 10.10 10.20





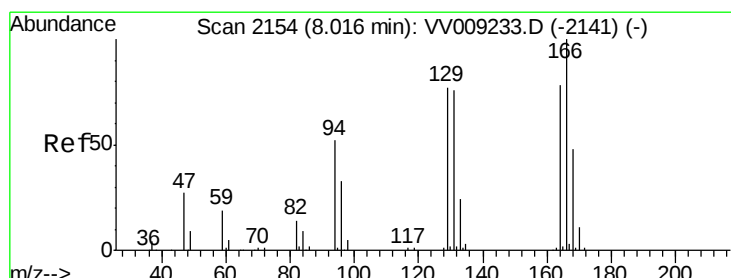
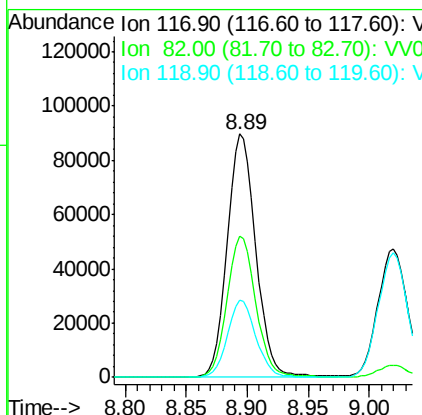
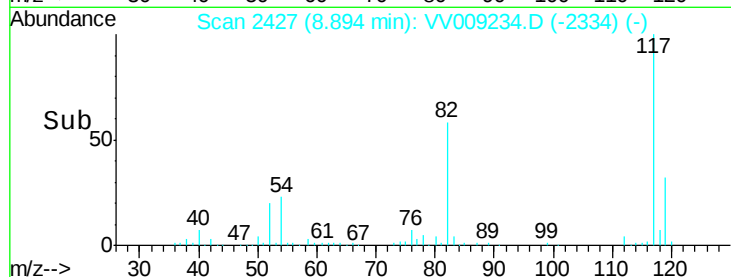
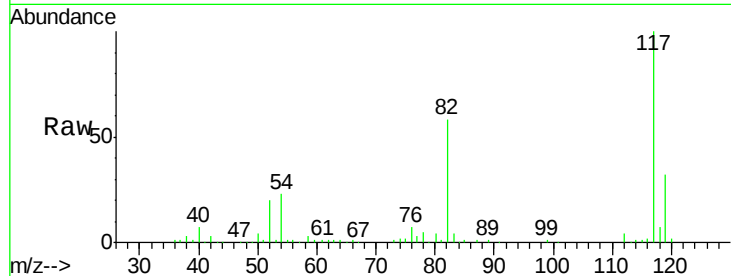
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.0	70.6
119	31.6	25.4	38.2

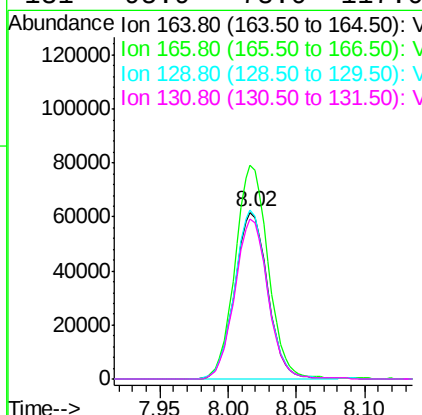
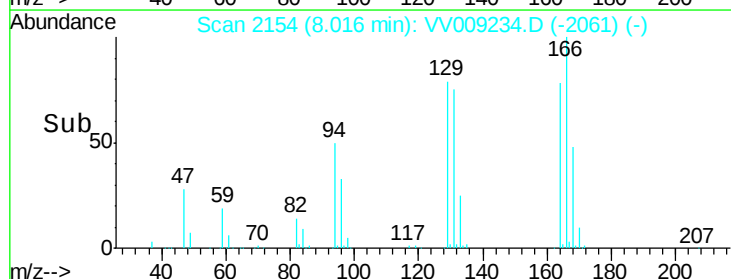
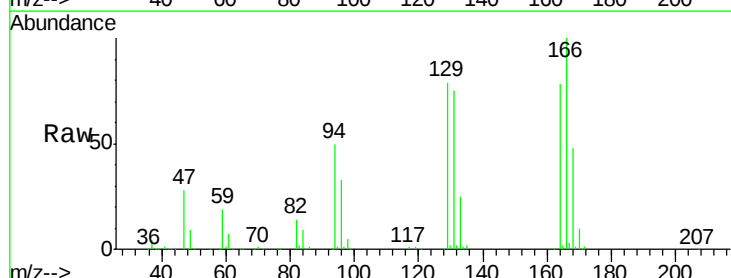
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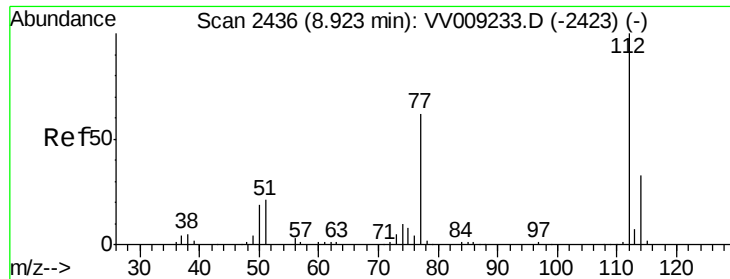
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#64
Tetrachloroethene
Concen: 103.335 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.1	153.1
129	101.3	78.1	117.1
131	95.9	78.0	117.0





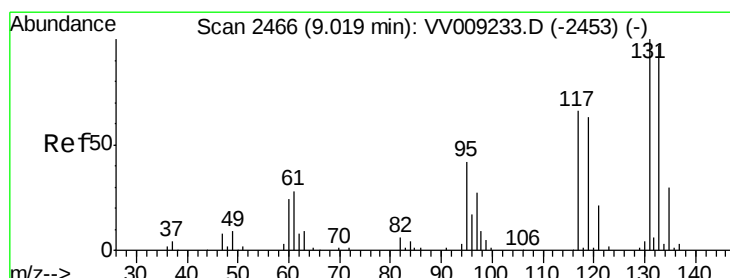
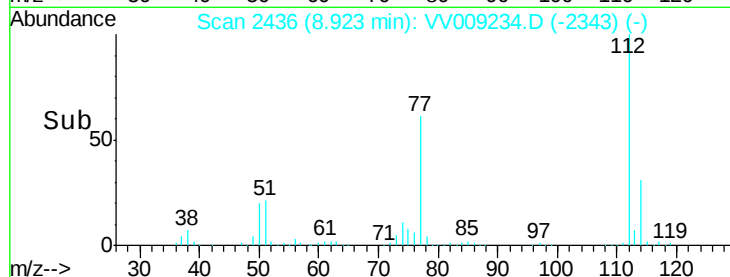
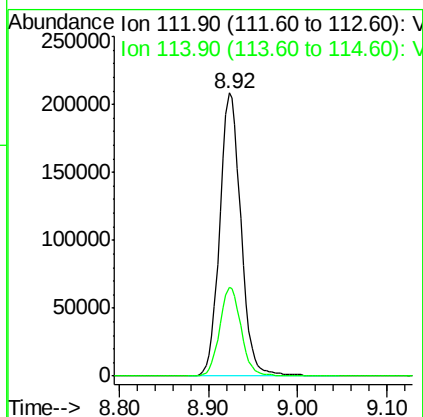
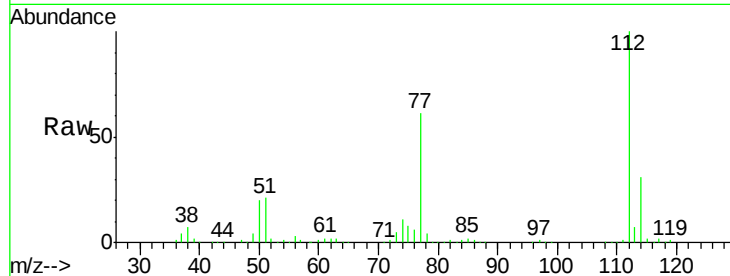
#65
Chlorobenzene
Concen: 102.049 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 344859
Ion Ratio Lower Upper
112 100
114 31.2 26.0 39.0

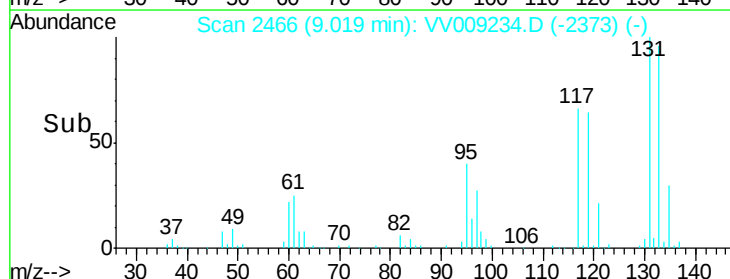
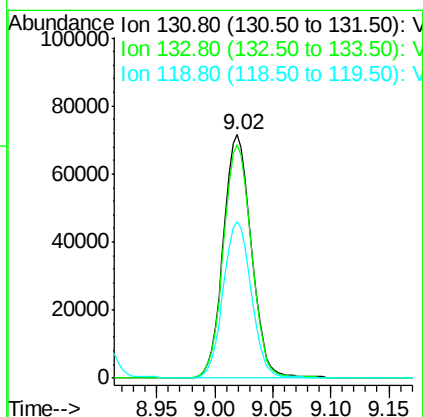
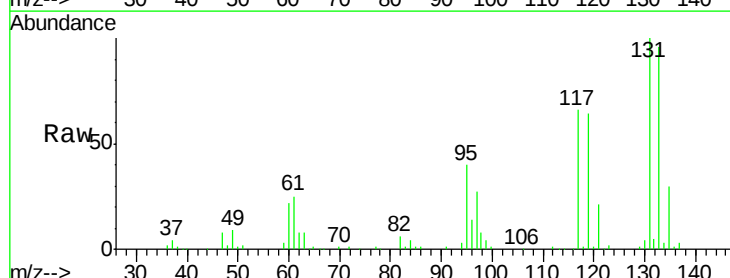
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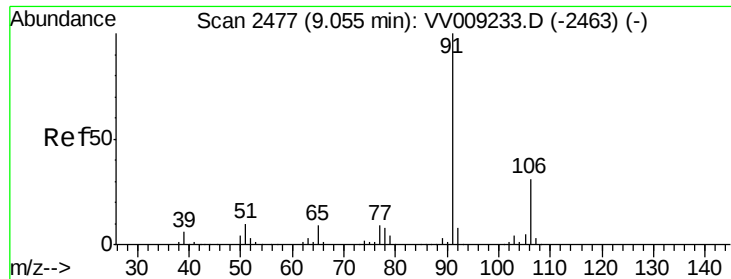
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 102.958 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion:131 Resp: 119559
Ion Ratio Lower Upper
131 100
133 96.4 48.3 144.9
119 64.0 31.2 93.6





#67

Ethyl Benzene

Concen: 105.288 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 632077

Ion Ratio Lower Upper

91 100

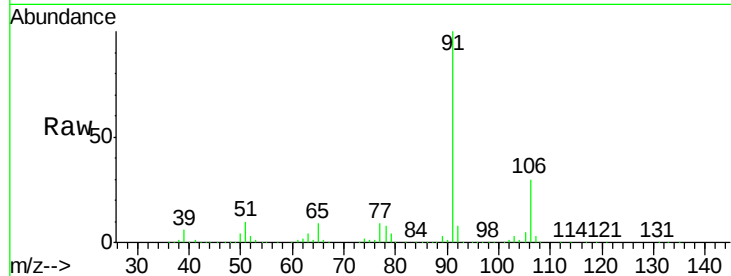
106 30.2 24.6 37.0

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Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV009233.D (-2463) (-)

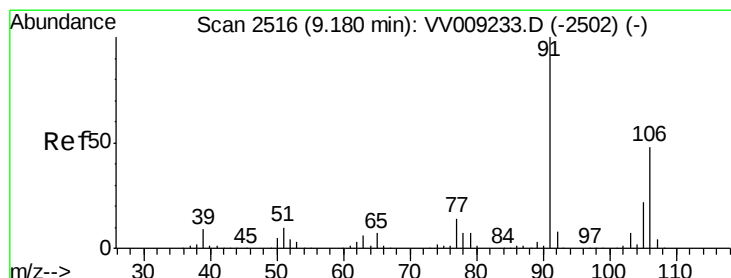
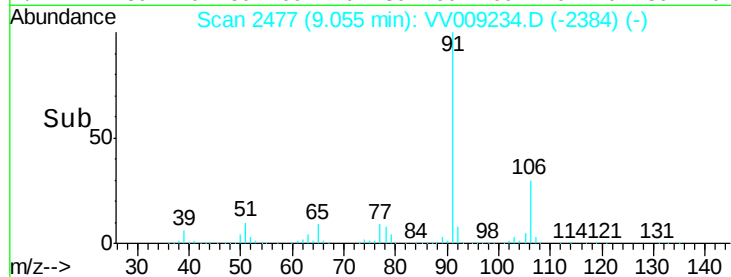
600000

400000

200000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#68

m/p-Xylenes

Concen: 212.393 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009234.D

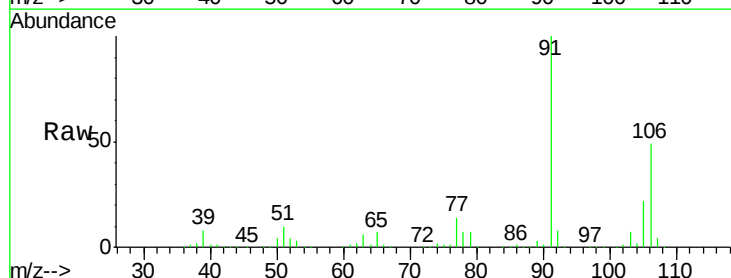
Acq: 22 Jan 2019 13:52

Tgt Ion: 106 Resp: 478405

Ion Ratio Lower Upper

106 100

91 206.2 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VV009233.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV009233.D (-2502) (-)

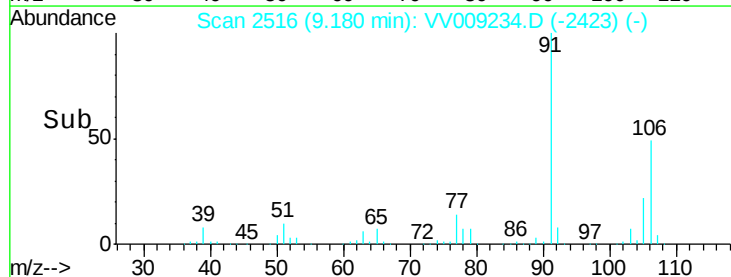
600000

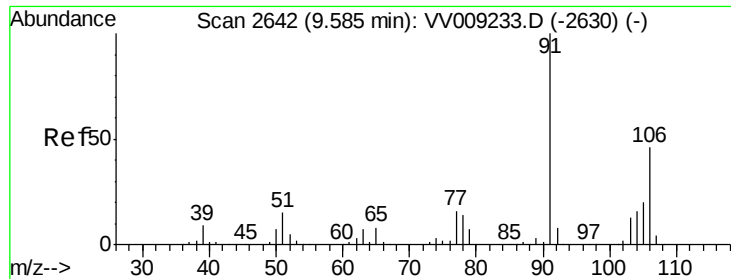
400000

200000

0

Time--> 9.10 9.20 9.30





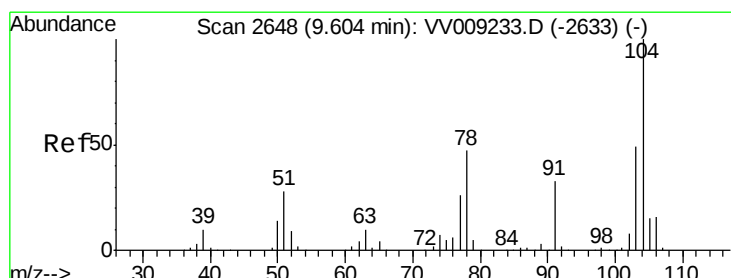
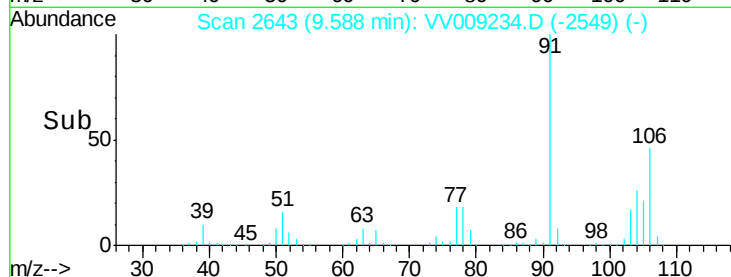
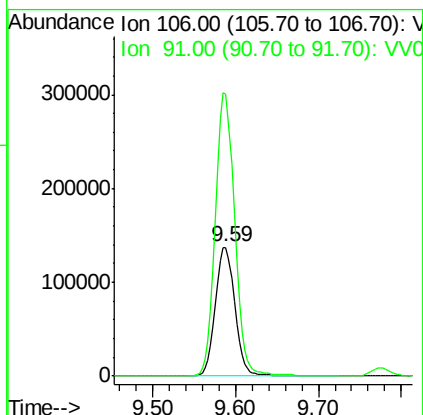
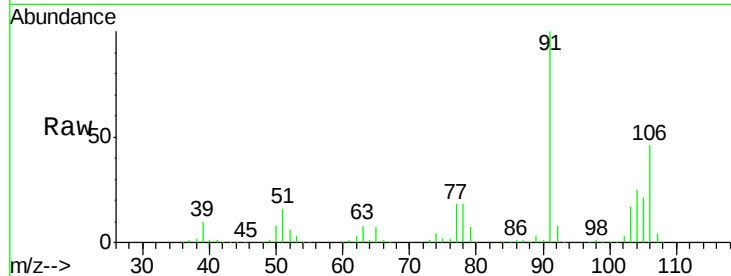
#69
o-Xylene
Concen: 107.450 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 225487
Ion Ratio Lower Upper
106 100
91 218.4 109.3 327.8

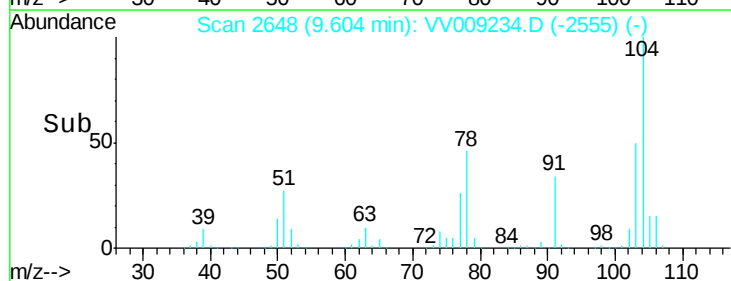
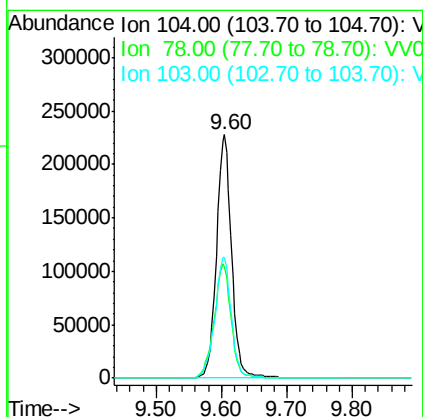
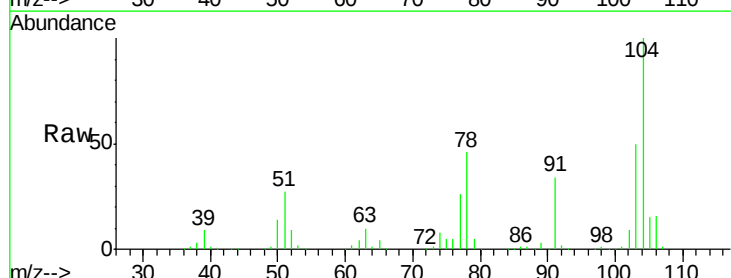
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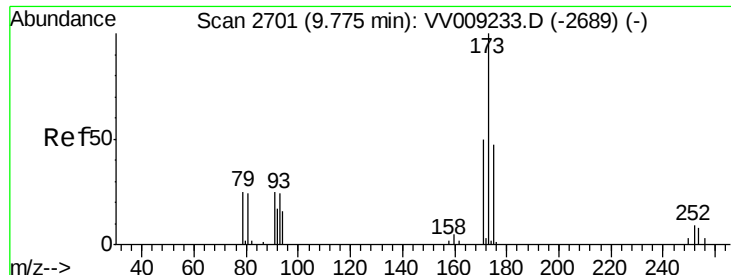
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#70
Styrene
Concen: 107.716 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion:104 Resp: 368549
Ion Ratio Lower Upper
104 100
78 52.6 43.1 64.7
103 54.4 43.8 65.8





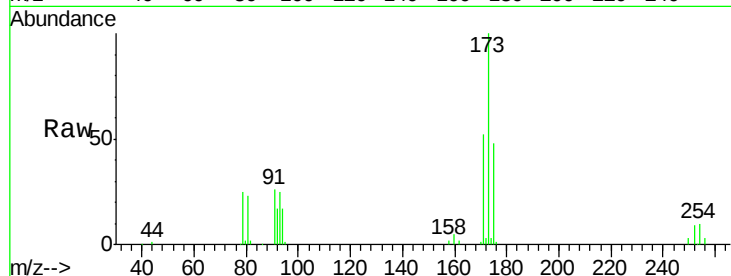
#71
Bromoform
Concen: 105.723 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

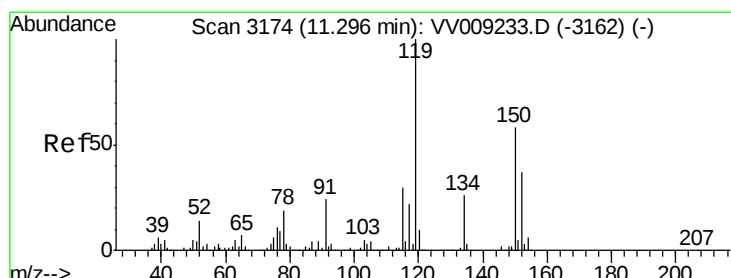
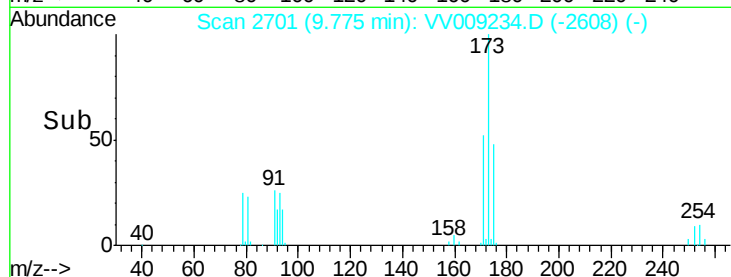
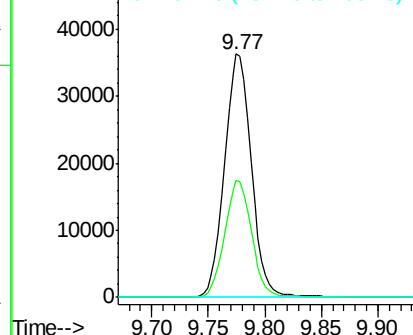
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.4	70.0
254	0.0	0.0	0.0

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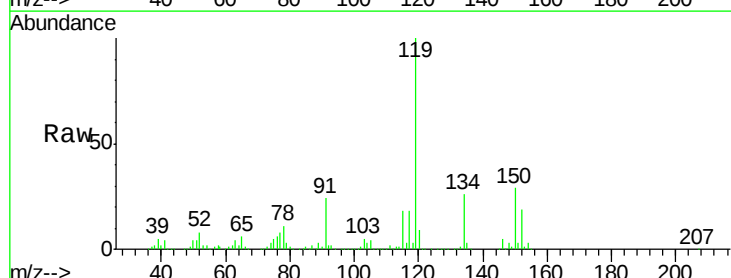


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

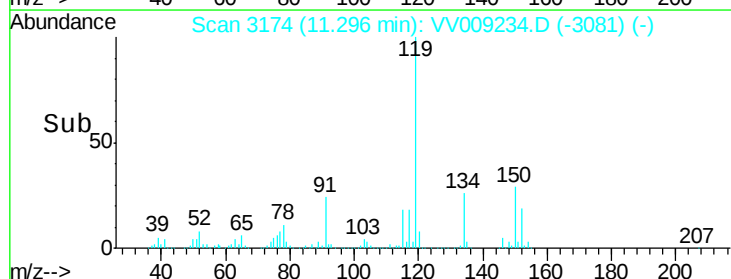
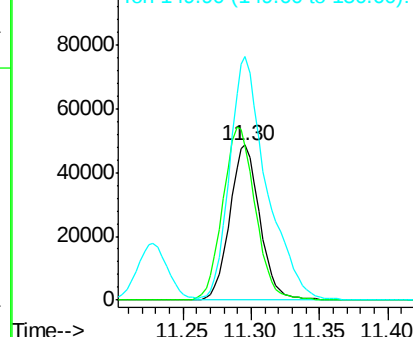


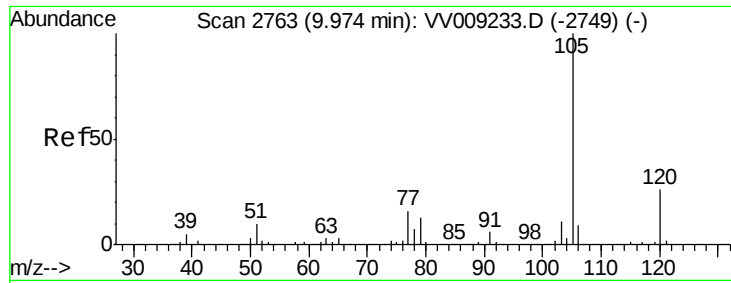
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009234.D
Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	121.0	45.0	134.8
150	193.4	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 108.312 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 638961

Ion Ratio Lower Upper

105 100

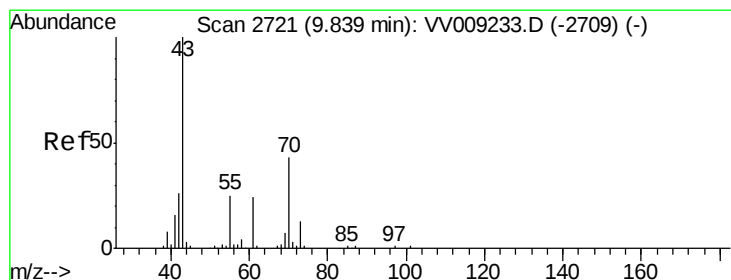
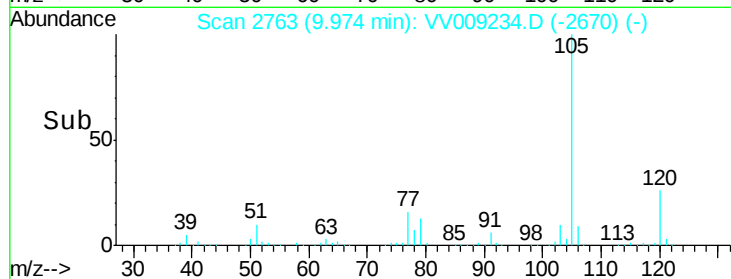
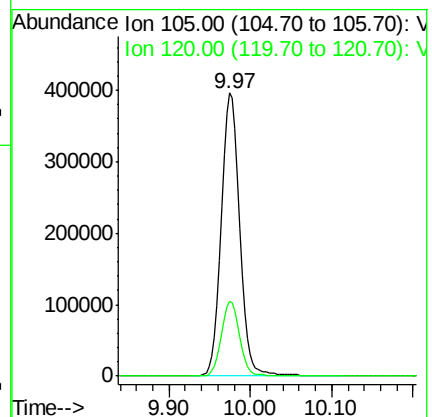
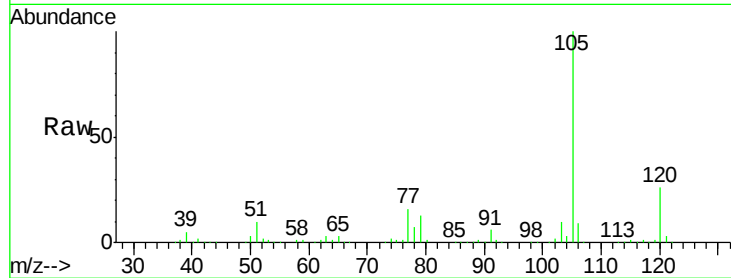
120 26.3 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 98.272 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion: 43 Resp: 122466

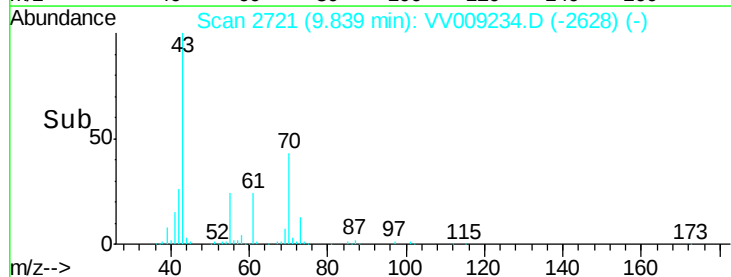
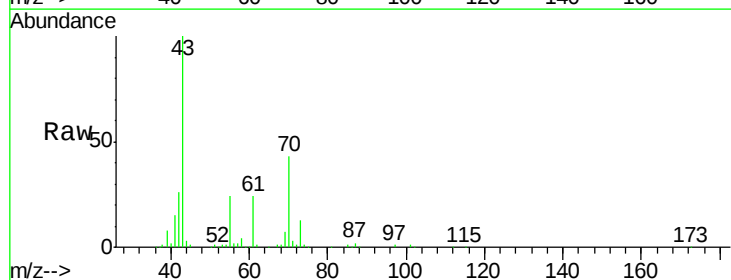
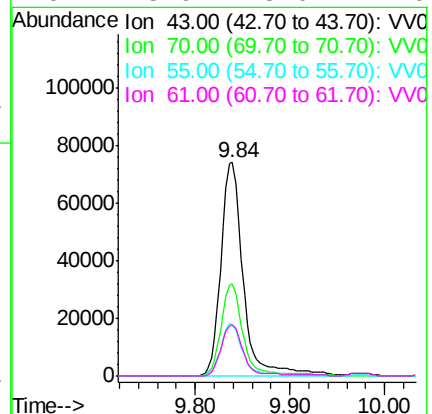
Ion Ratio Lower Upper

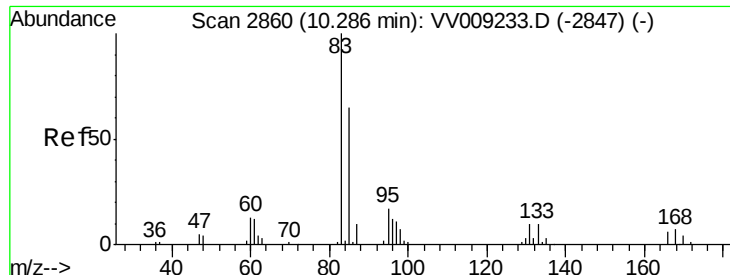
43 100

70 42.8 33.0 49.6

55 24.4 18.7 28.1

61 23.9 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 98.808 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

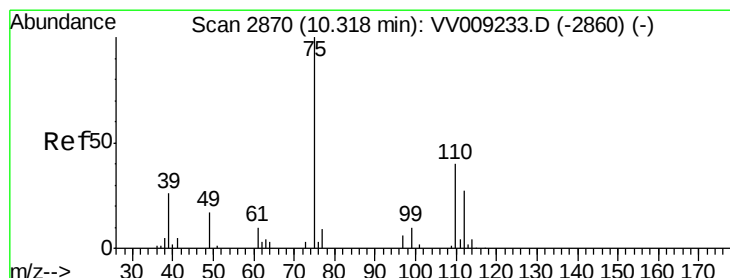
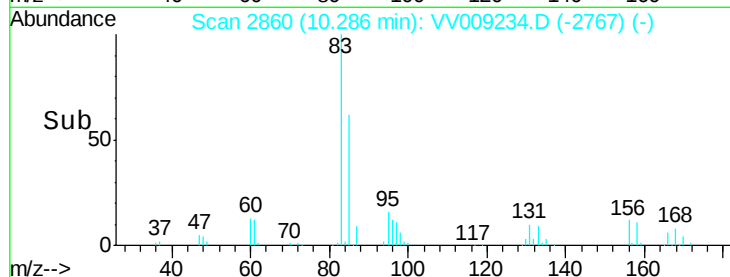
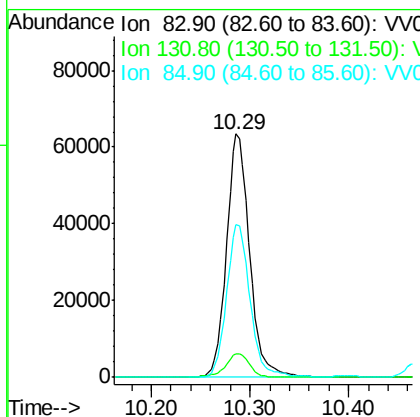
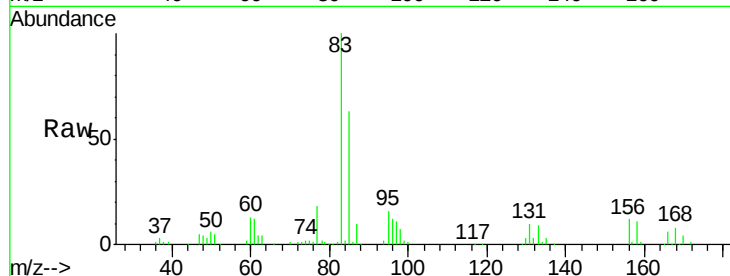
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	104390
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.9	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 97.357 ug/l m

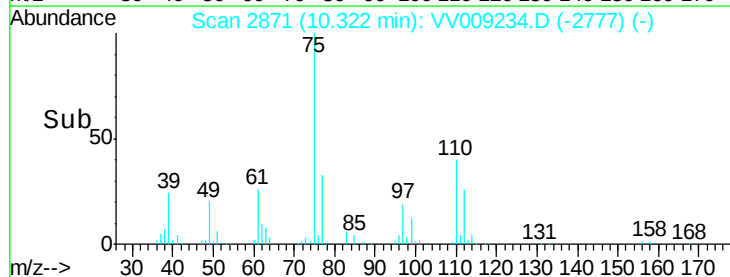
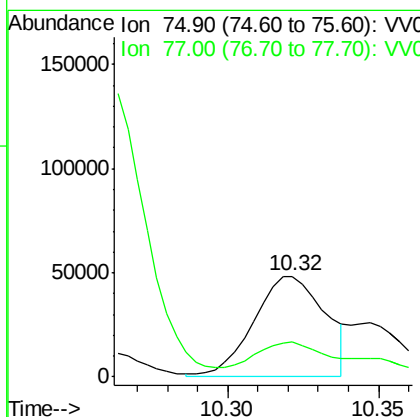
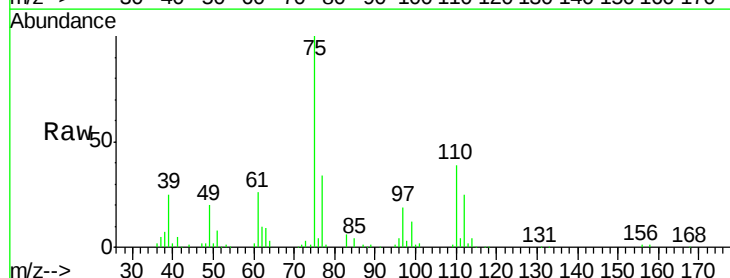
RT: 10.32 min Scan# 2871

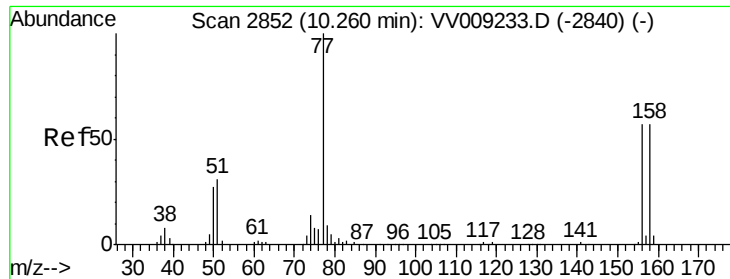
Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion:	75	Resp:	80030
Ion Ratio	Lower	Upper	
75	100		
77	13.2	24.6	73.8#





#77

Bromobenzene

Concen: 102.785 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

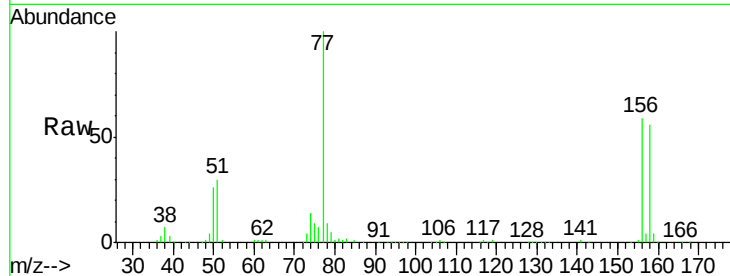
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	134633
Ion Ratio	Lower	Upper	
156	100		
77	168.5	86.0	258.0
158	95.5	49.8	149.3

Manual Integrations
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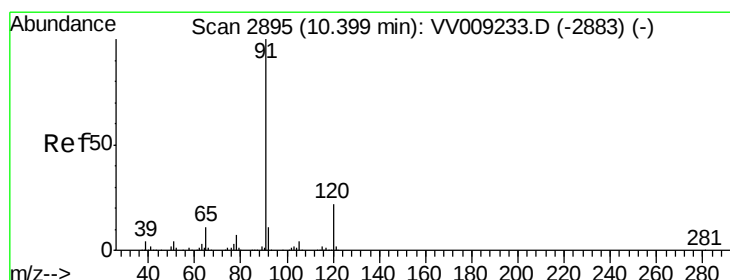
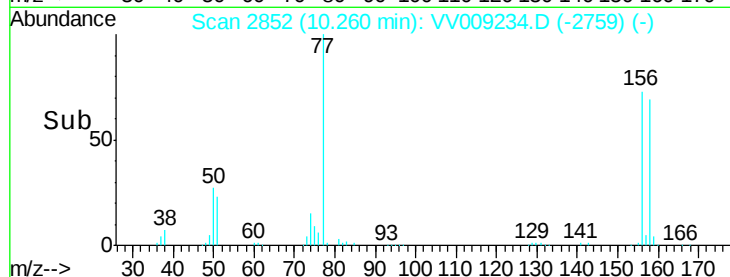
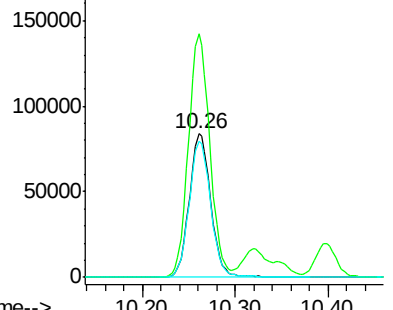
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 107.564 ug/l

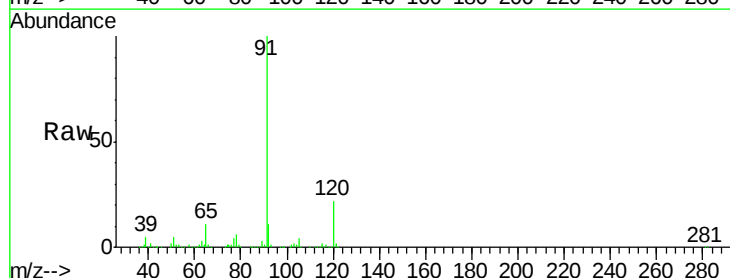
RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009234.D

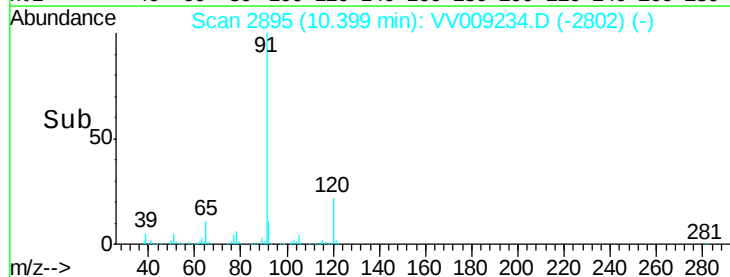
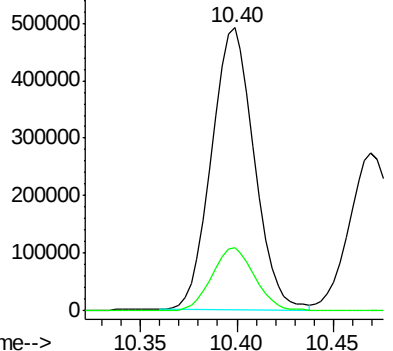
Acq: 22 Jan 2019 13:52

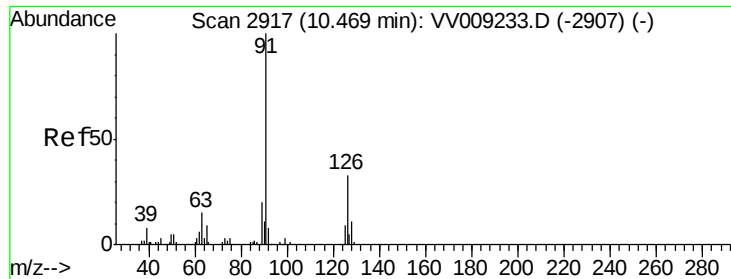
Tgt Ion:	91	Resp:	751910
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 102.238 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 440906

Ion Ratio Lower Upper

91 100

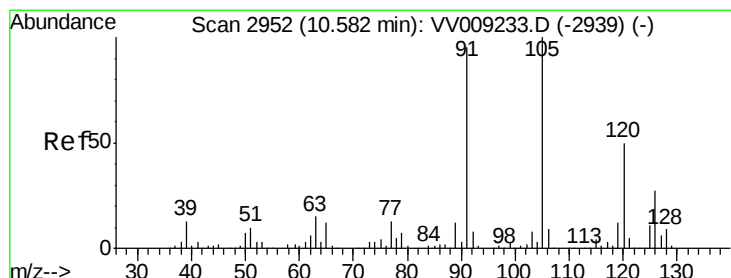
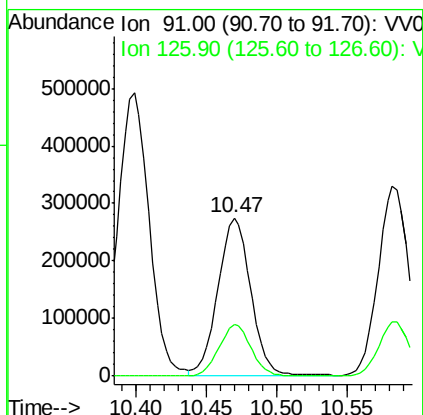
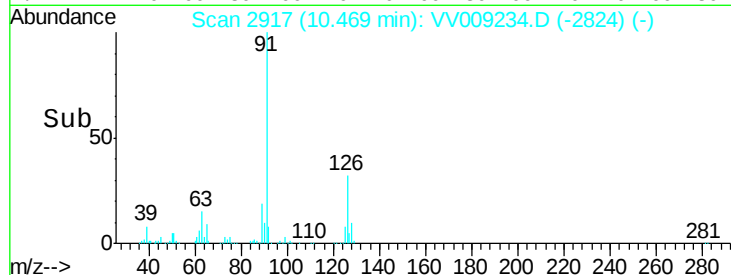
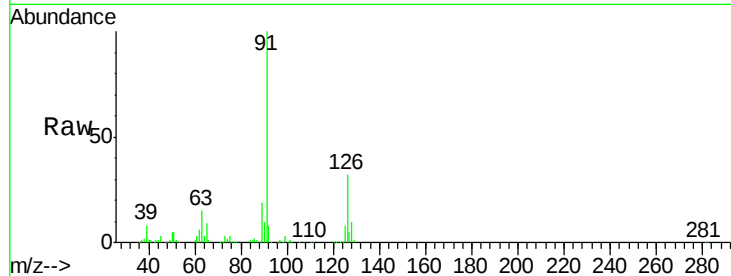
126 32.6 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 106.335 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009234.D

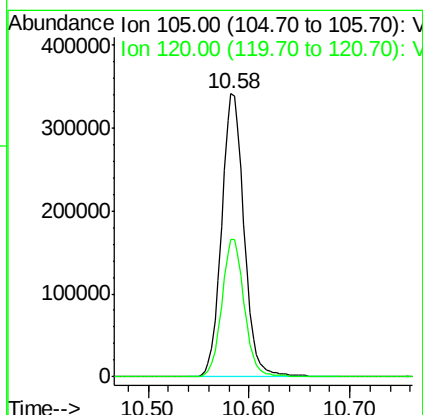
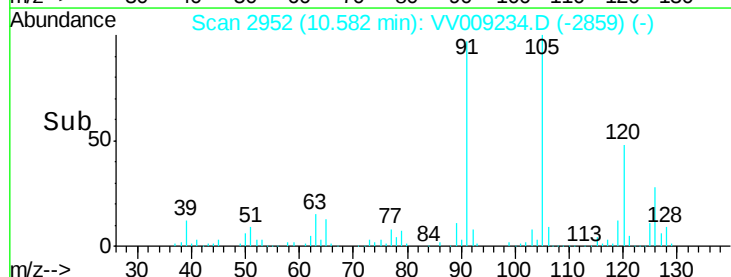
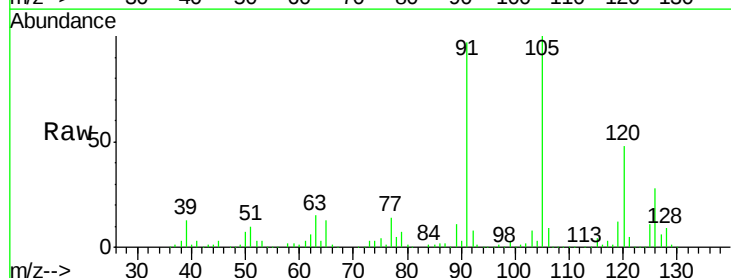
Acq: 22 Jan 2019 13:52

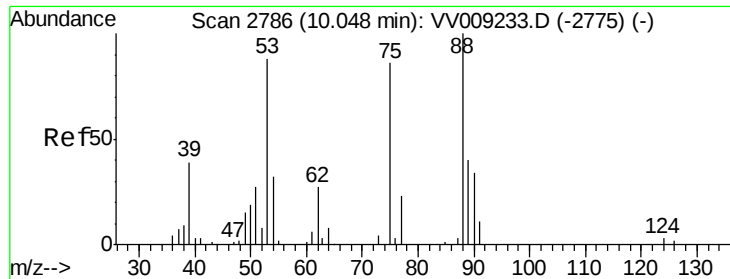
Tgt Ion: 105 Resp: 531598

Ion Ratio Lower Upper

105 100

120 48.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 107.632 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

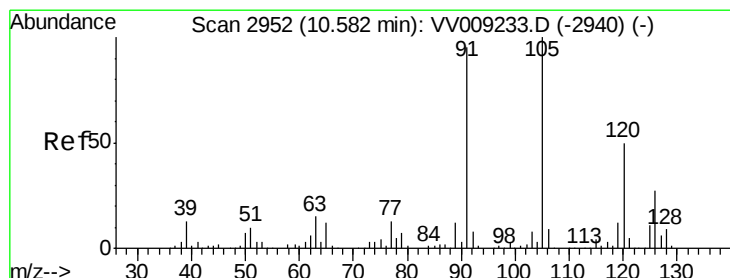
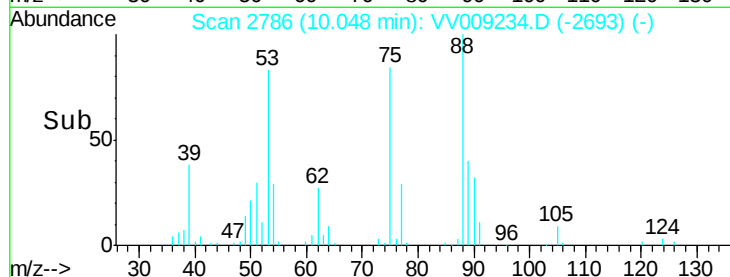
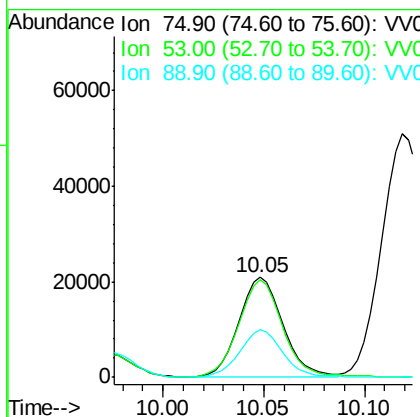
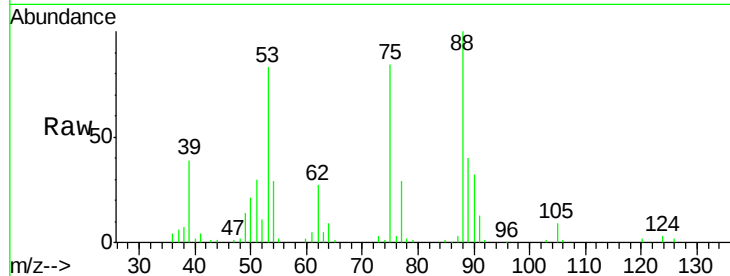
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	31908
Ion	Ratio	Lower	Upper
75	100		
53	96.9	82.1	123.1
89	47.4	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 100.965 ug/l

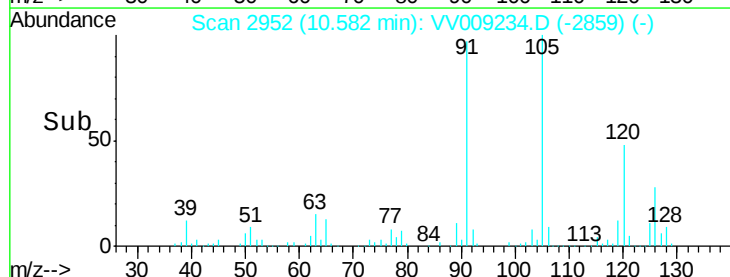
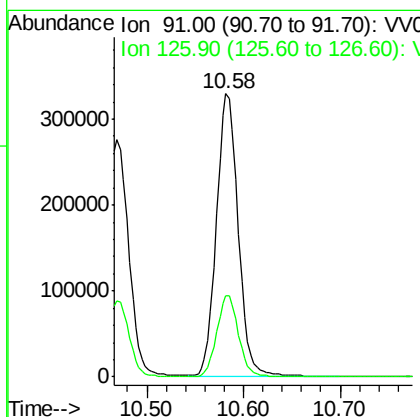
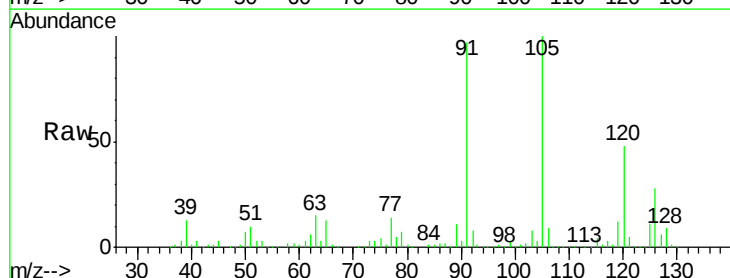
RT: 10.58 min Scan# 2952

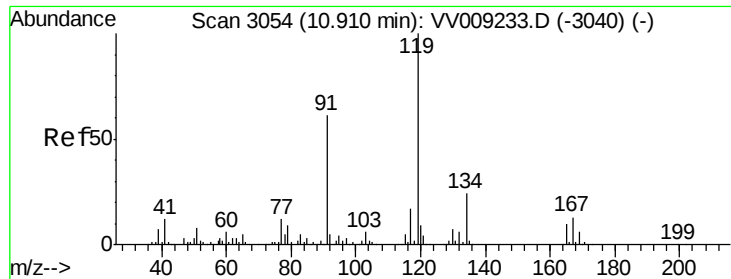
Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion:	91	Resp:	518602
Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9





#83

tert-Butylbenzene

Concen: 107.625 ug/l

RT: 10.91 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

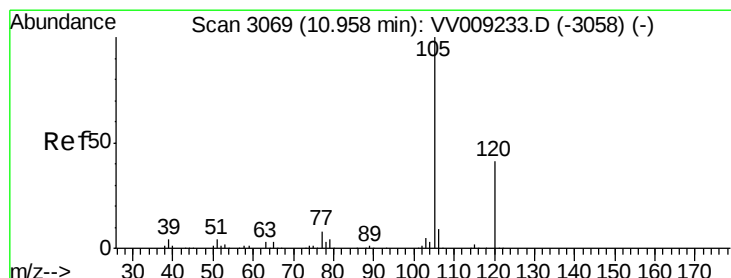
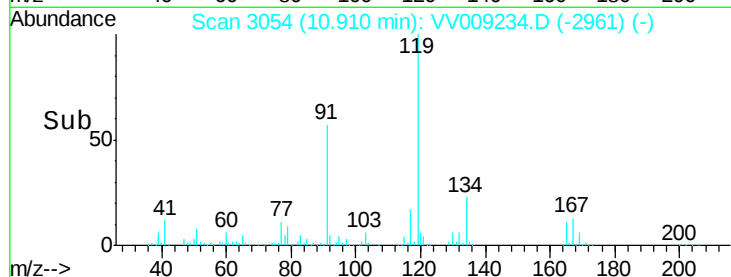
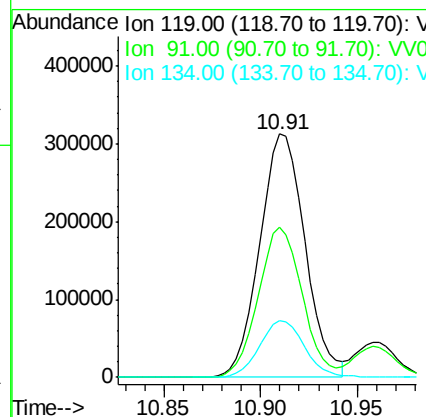
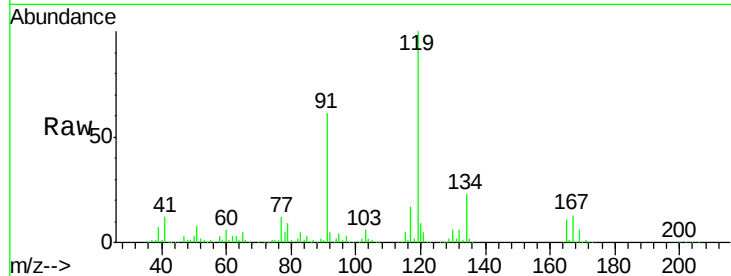
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	511596
Ion Ratio	Lower	Upper	
119	100		
91	59.6	30.0	90.1
134	23.4	11.9	35.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 104.454 ug/l

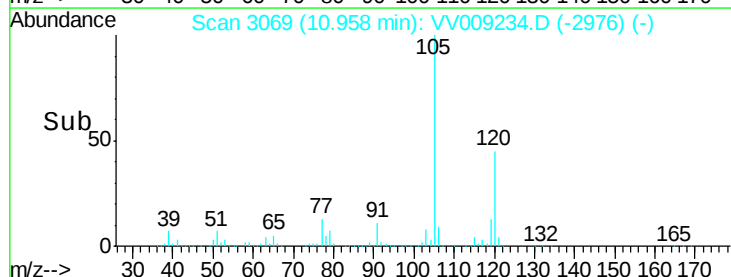
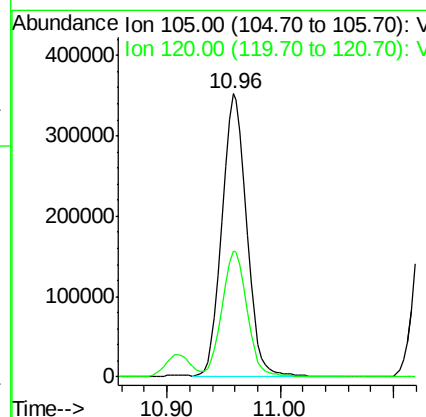
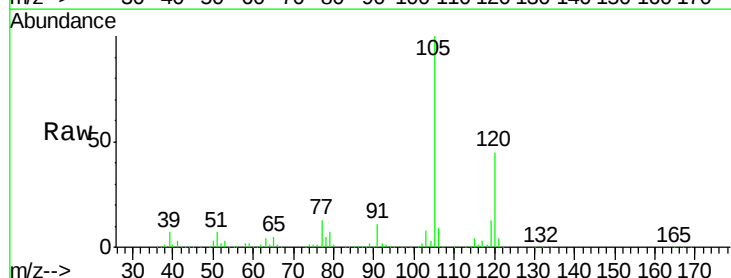
RT: 10.96 min Scan# 3069

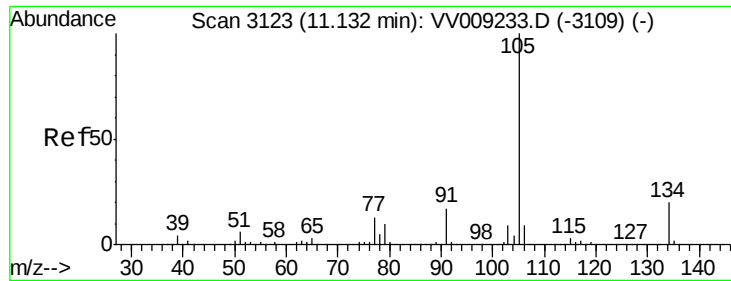
Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion:	105	Resp:	538179
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 108.077 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 660347

Ion Ratio Lower Upper

105 100

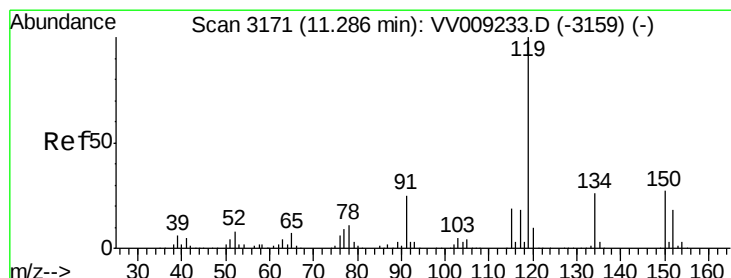
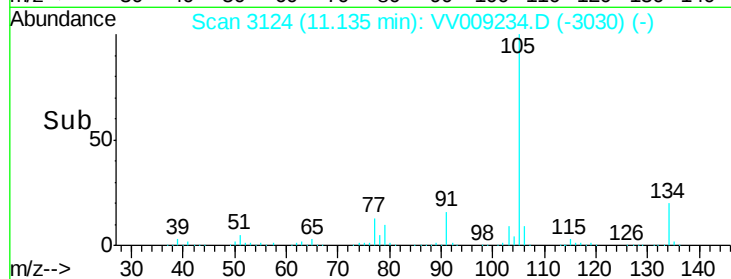
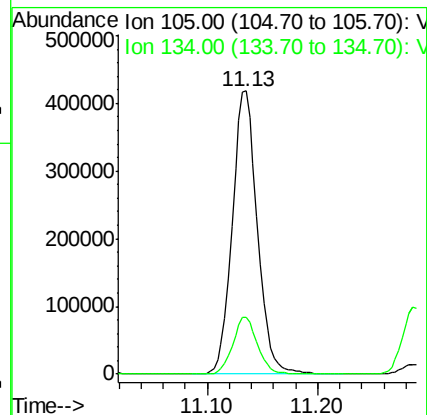
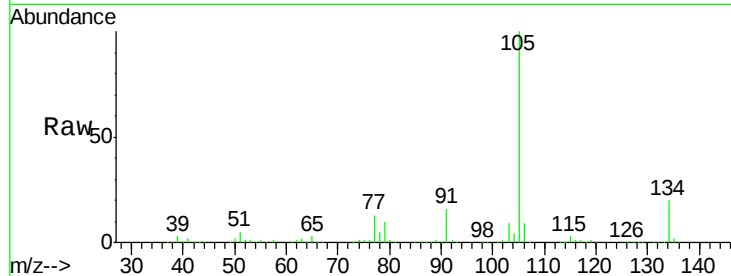
134 19.9 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 108.429 ug/l

RT: 11.29 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

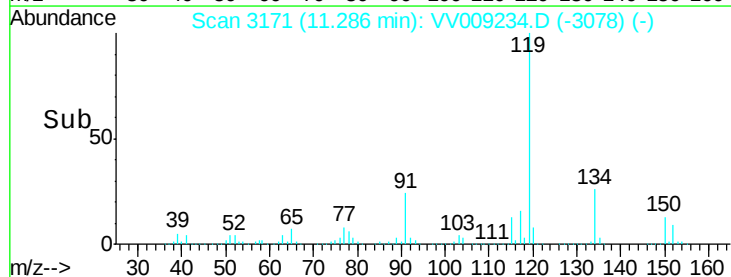
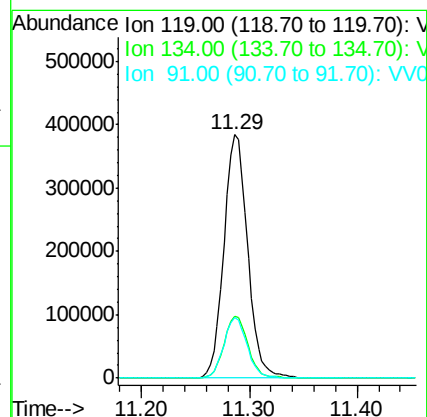
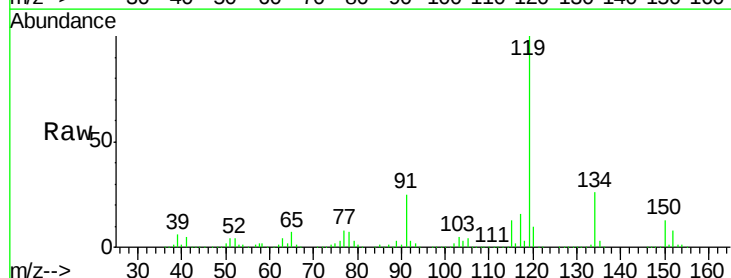
Tgt Ion:119 Resp: 587377

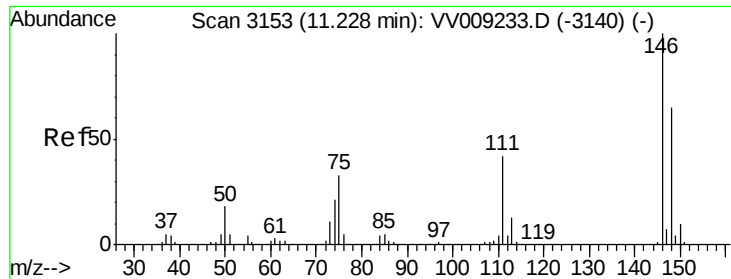
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.6 12.4 37.2





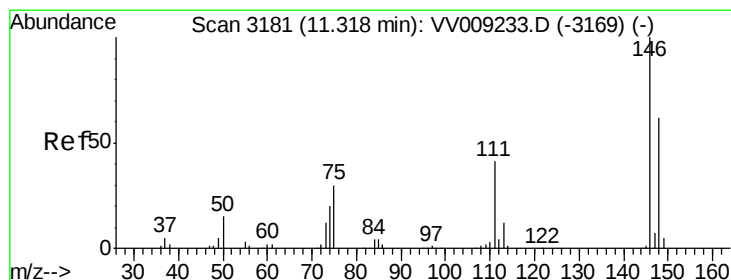
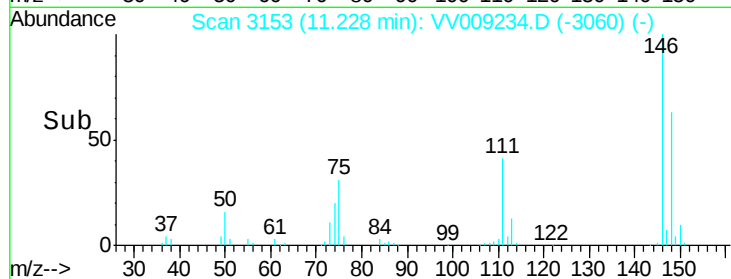
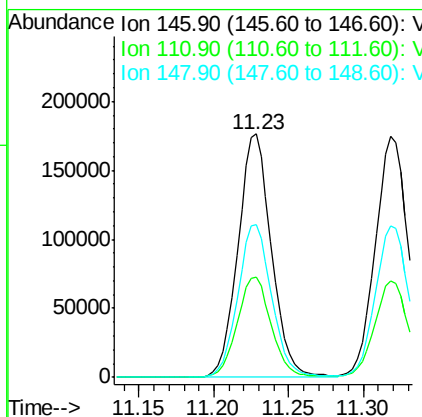
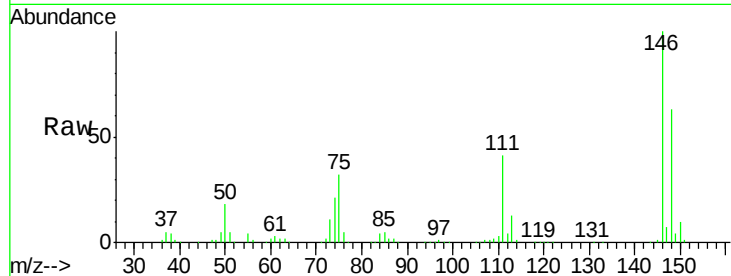
#87
 1,3-Dichlorobenzene
 Concen: 102.760 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	63.6	32.1	96.3

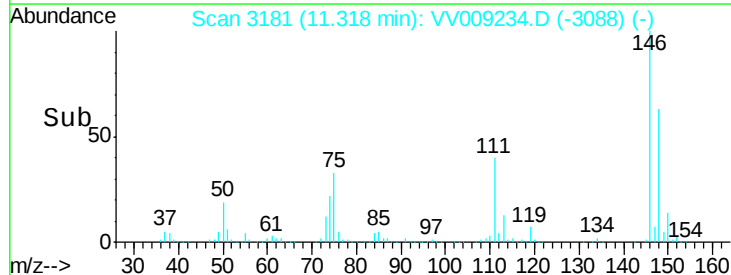
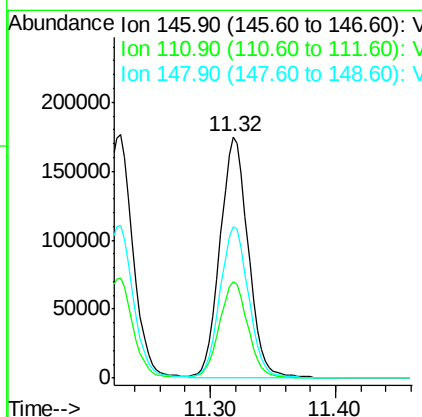
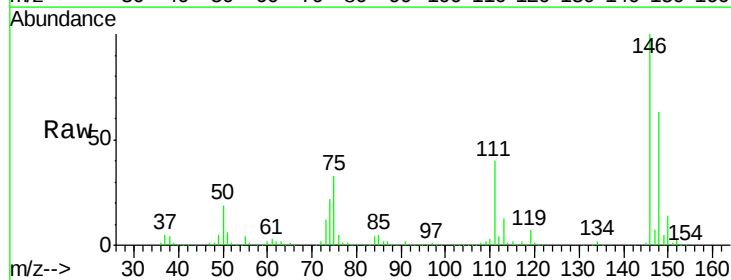
Manual Integrations
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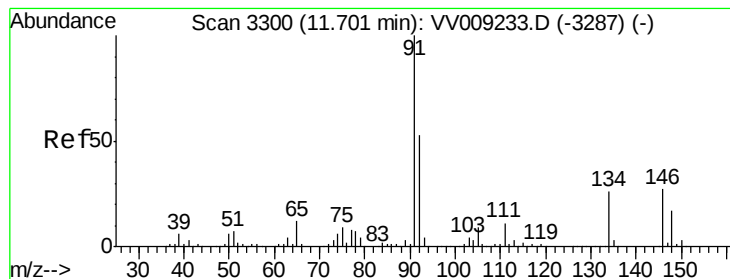
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 1/24/2019 11:44:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 100.872 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.5
148	63.6	31.4	94.3





#89

n-Butylbenzene

Concen: 105.607 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

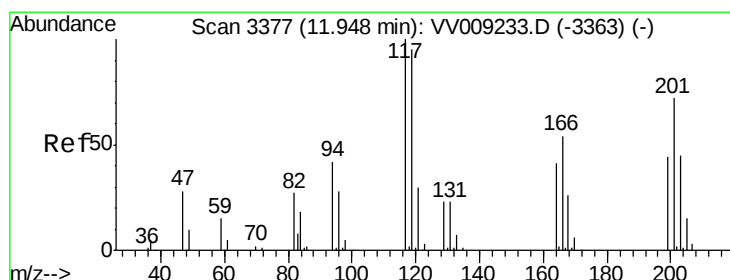
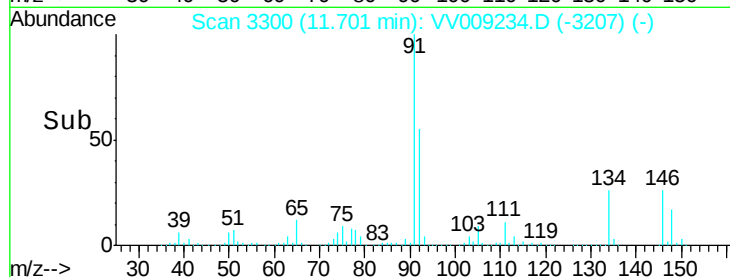
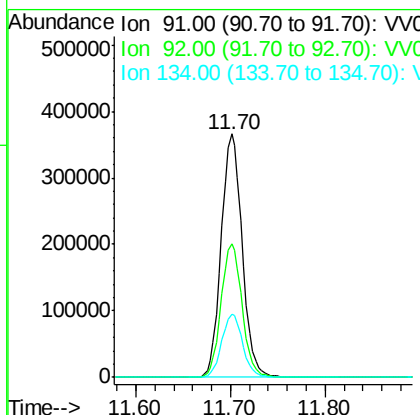
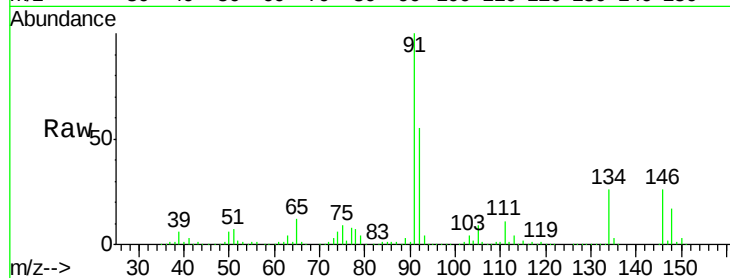
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	563460
Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.5
134	26.0	12.6	37.8

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#90

Hexachloroethane

Concen: 107.787 ug/l

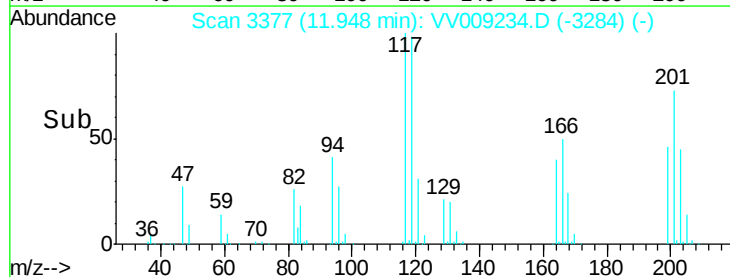
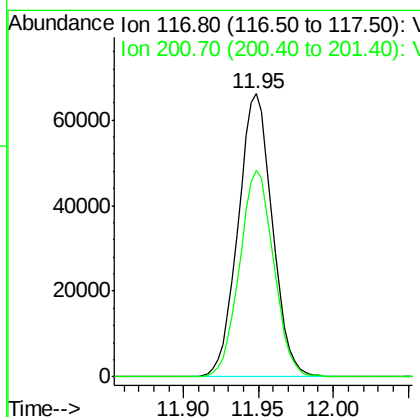
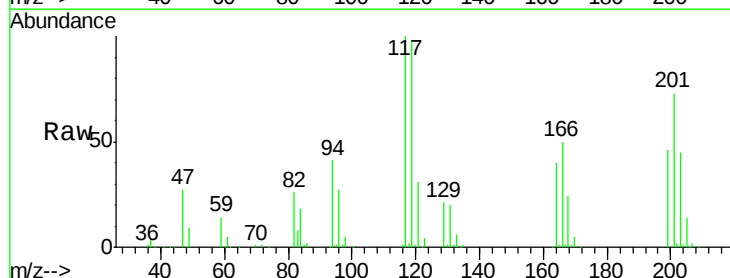
RT: 11.95 min Scan# 3377

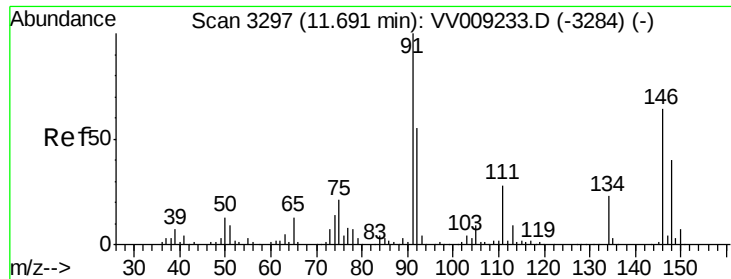
Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion:	117	Resp:	105314
Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.2	105.6





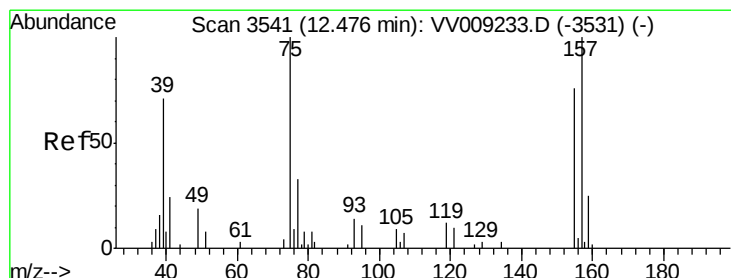
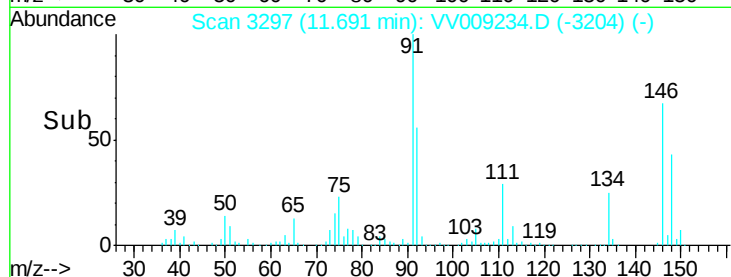
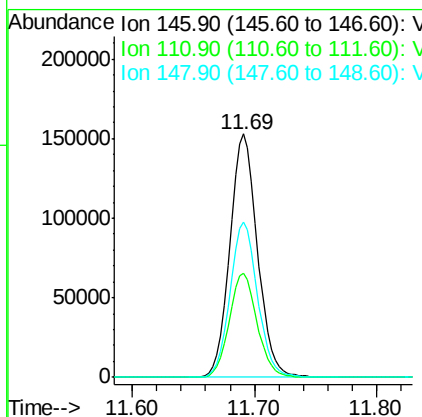
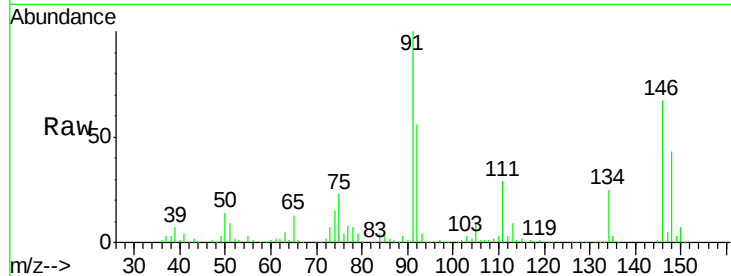
#91
 1,2-Dichlorobenzene
 Concen: 100.819 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.8
148	63.7	31.6	95.0

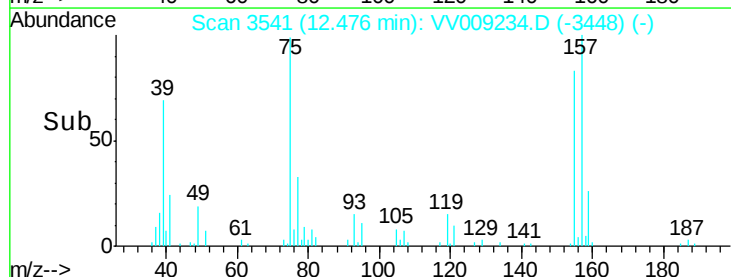
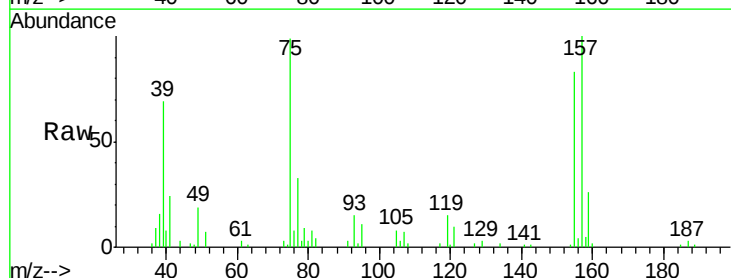
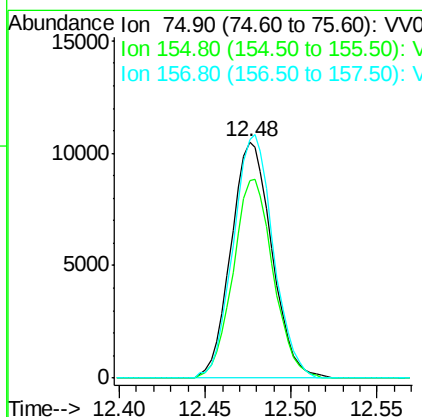
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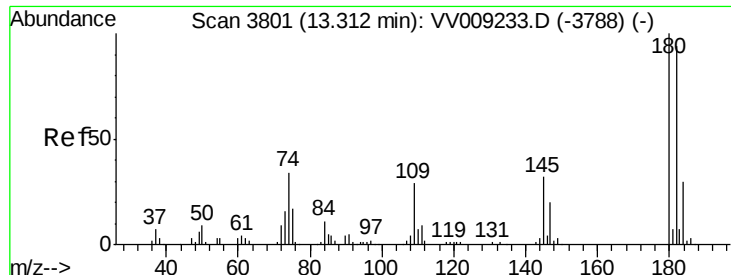
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.601 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	38.0	114.0
157	100.7	50.8	152.4





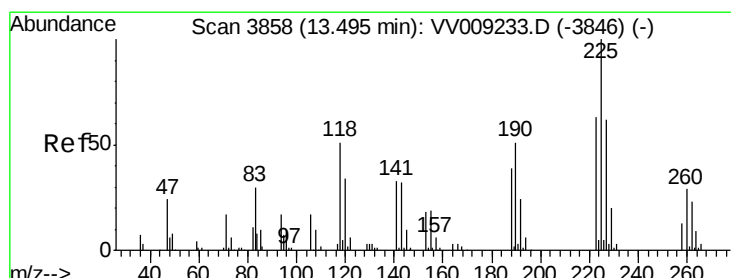
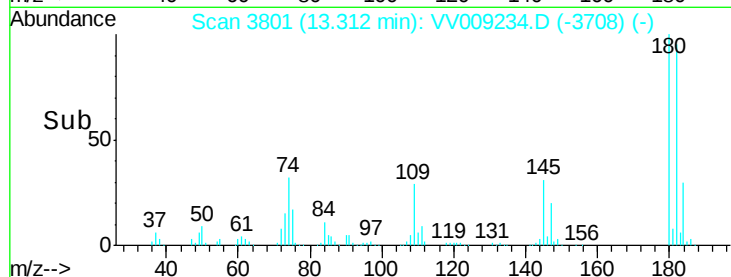
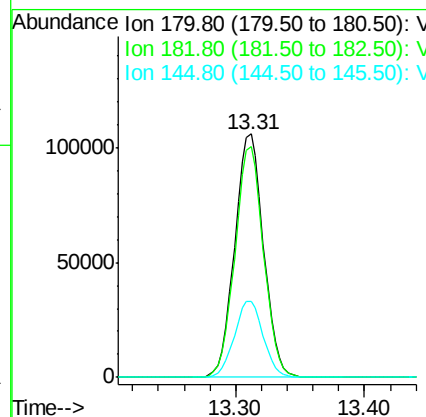
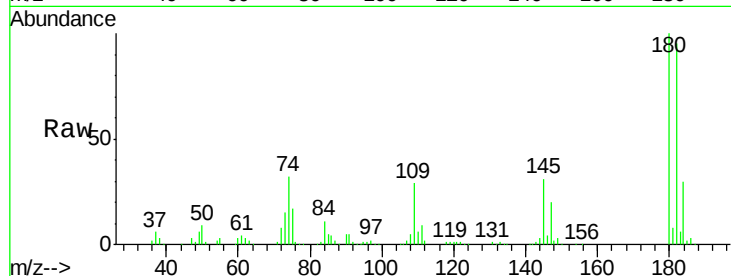
#93
 1,2,4-Trichlorobenzene
 Concen: 100.404 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Instrument :
 MSVOA_V
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	163872		
182	94.1	47.1	141.4	
145	31.4	16.0	48.0	

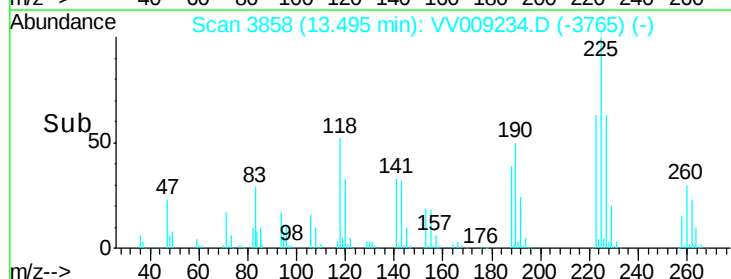
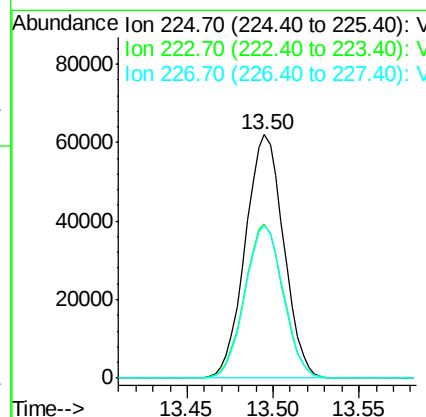
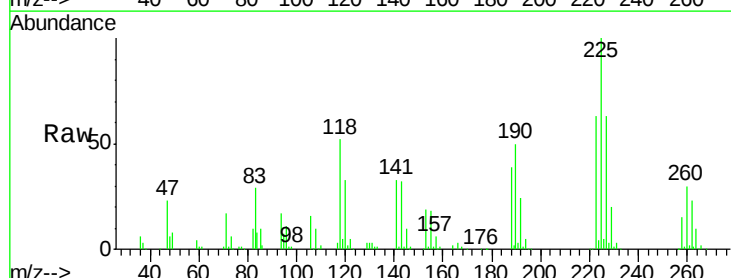
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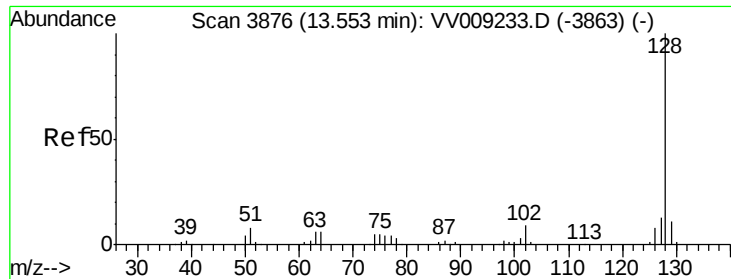
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#94
 Hexachlorobutadiene
 Concen: 103.976 ug/l
 RT: 13.50 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009234.D
 Acq: 22 Jan 2019 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95819		
223	63.3	31.7	95.1	
227	62.7	31.6	95.0	





#95

Naphthalene

Concen: 101.406 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Instrument :

MSVOA_V

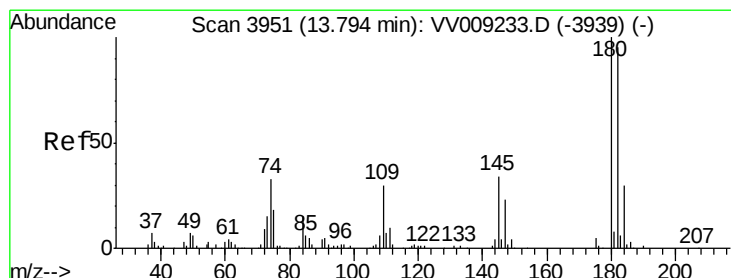
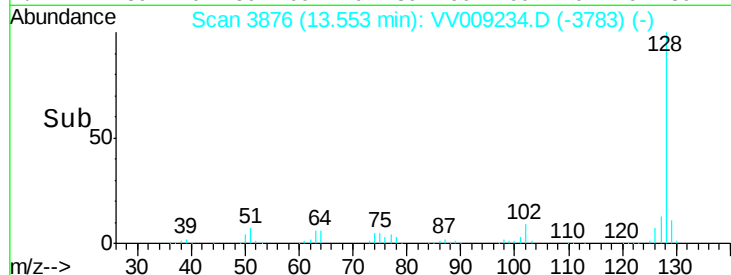
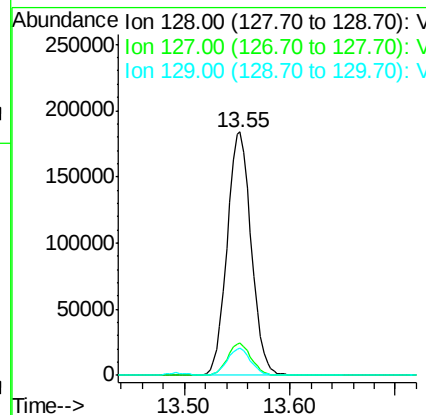
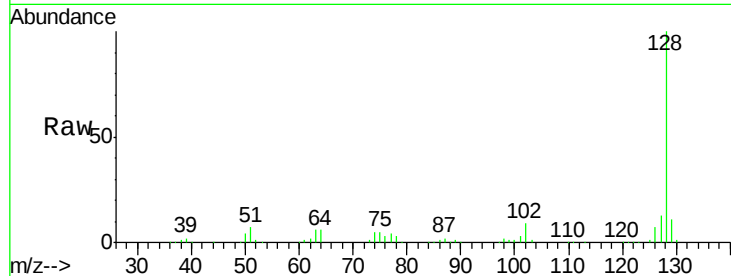
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	290436
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 97.622 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009234.D

Acq: 22 Jan 2019 13:52

Tgt Ion:	180	Resp:	135243
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.2
145	34.2	17.2	51.5

