

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009255.D
 Acq On : 24 Jan 2019 12:52
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:21 AM

Quant Time: Jan 24 13:24:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	87078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	148128	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	135725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	68660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.08	65	10261	9.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.32%	
35) Dibromofluoromethane	4.64	113	9049	9.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.78%	
50) Toluene-d8	7.36	98	34168	9.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.22%	
62) 4-Bromofluorobenzene	10.12	95	13200	9.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	6428m	9.126	ug/l	
3) Chloromethane	1.25	50	9429	9.945	ug/l	93
4) Vinyl Chloride	1.32	62	9528	8.845	ug/l	93
5) Bromomethane	1.53	94	6004	9.828	ug/l	96
6) Chloroethane	1.60	64	5394	8.959	ug/l	98
7) Trichlorofluoromethane	1.76	101	4779	6.321	ug/l	95
8) Diethyl Ether	1.96	74	4713	9.912	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.14	101	8331	8.869	ug/l	98
10) Methyl Iodide	2.26	142	14544	9.700	ug/l	97
11) Tert butyl alcohol	2.66	59	5740	74.623	ug/l #	84
12) 1,1-Dichloroethene	2.14	96	9027	9.788	ug/l	89
13) Acrolein	2.05	56	2506	31.533	ug/l	86
14) Allyl chloride	2.42	41	13666	8.597	ug/l	97
15) Acrylonitrile	2.76	53	10545	51.200	ug/l	98
16) Acetone	2.17	43	15935	55.307	ug/l	94
17) Carbon Disulfide	2.32	76	23880	8.464	ug/l	98
18) Methyl Acetate	2.45	43	7648	9.938	ug/l	97
19) Methyl tert-butyl Ether	2.80	73	14098	9.847	ug/l	93
20) Methylene Chloride	2.52	84	11123	8.238	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	9207	9.266	ug/l	91
22) Diisopropyl ether	3.33	45	32905	9.722	ug/l	98
23) Vinyl Acetate	3.30	43	97128	52.886	ug/l	100
24) 1,1-Dichloroethane	3.21	63	20371	9.674	ug/l	98
25) 2-Butanone	4.02	43	20504	62.233	ug/l	98
26) 2,2-Dichloropropane	3.94	77	9947	8.393	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	11897	9.907	ug/l	97
28) Bromochloromethane	4.29	49	7822	10.065	ug/l	94
29) Tetrahydrofuran	4.39	42	10813	60.342	ug/l	98
30) Chloroform	4.42	83	20558	9.720	ug/l	99
31) Cyclohexane	4.71	56	18650	9.701	ug/l #	88
32) 1,1,1-Trichloroethane	4.65	97	16208	9.092	ug/l	96
36) 1,1-Dichloropropene	4.87	75	14720	8.950	ug/l	99
37) Ethyl Acetate	4.13	43	7250	11.471	ug/l	97
38) Carbon Tetrachloride	4.87	117	14504	8.809	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	18185	9.337	ug/l	98
40) Benzene	5.14	78	44295	9.630	ug/l	96
41) Methacrylonitrile	4.31	41	4278	11.231	ug/l	95
42) 1,2-Dichloroethane	5.17	62	13800	9.586	ug/l	98
43) Isopropyl Acetate	5.33	43	14051	11.302	ug/l	99
44) Trichloroethene	5.95	130	11616	9.597	ug/l	99
45) 1,2-Dichloropropane	6.22	63	10898	9.850	ug/l	94
46) Dibromomethane	6.35	93	5757	10.140	ug/l	92
47) Bromodichloromethane	6.55	83	13741	9.159	ug/l	98
48) Methyl methacrylate	6.42	41	6974	10.993	ug/l	97
49) 1,4-Dioxane	6.41	88	1566	216.538	ug/l #	92
51) 4-Methyl-2-Pentanone	7.27	43	36457	57.781	ug/l	99
52) Toluene	7.43	92	28173	9.682	ug/l	97
53) t-1,3-Dichloropropene	7.69	75	13487	9.237	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	15642	9.303	ug/l	96
55) 1,1,2-Trichloroethane	7.88	97	8487	10.610	ug/l	97
56) Ethyl methacrylate	7.83	69	9363	10.047	ug/l	99
57) 1,3-Dichloropropane	8.05	76	15056	10.396	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.94	63	387	26.572	ug/l #	52
59) 2-Hexanone	8.19	43	26288	57.605	ug/l	100
60) Dibromochloromethane	8.29	129	9045	9.657	ug/l	100
61) 1,2-Dibromoethane	8.40	107	8434	10.782	ug/l	98
64) Tetrachloroethene	8.02	164	9482	9.817	ug/l	96
65) Chlorobenzene	8.93	112	32002	10.135	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.02	131	10518	9.747	ug/l	98
67) Ethyl Benzene	9.05	91	52531	9.338	ug/l	99
68) m/p-Xylenes	9.18	106	40030	18.744	ug/l	97
69) o-Xylene	9.59	106	19034	9.613	ug/l	96
70) Styrene	9.60	104	29968	9.484	ug/l	97
71) Bromoform	9.78	173	5145	10.110	ug/l #	97
73) Isopropylbenzene	9.97	105	50991	8.994	ug/l	100
74) N-amyl acetate	9.84	43	11377	10.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	10527	11.013	ug/l	95
76) 1,2,3-Trichloropropane	10.32	75	8358m	11.119	ug/l	
77) Bromobenzene	10.26	156	12250	10.101	ug/l	94
78) n-propylbenzene	10.40	91	60628	9.020	ug/l	99
79) 2-Chlorotoluene	10.47	91	37891	9.343	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	42951	9.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	2708	10.195	ug/l	98
82) 4-Chlorotoluene	10.58	91	45355	9.495	ug/l	99
83) tert-Butylbenzene	10.91	119	41621	9.193	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	44690	9.317	ug/l	99
85) sec-Butylbenzene	11.13	105	54016	9.109	ug/l	99
86) p-Isopropyltoluene	11.29	119	48692	9.377	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	24436	9.704	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	25450	9.998	ug/l	97
89) n-Butylbenzene	11.70	91	46322	9.191	ug/l	99
90) Hexachloroethane	11.95	117	8254	8.939	ug/l	98
91) 1,2-Dichlorobenzene	11.69	146	22157	9.968	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	1709	10.650	ug/l	98

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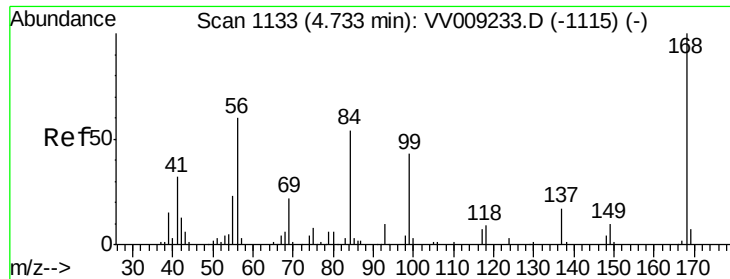
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	14458	10.104	ug/l	100
94) Hexachlorobutadiene	13.49	225	8942	10.083	ug/l	97
95) Naphthalene	13.56	128	27051	10.934	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	13215	10.907	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 87078

Ion Ratio Lower Upper

168 100

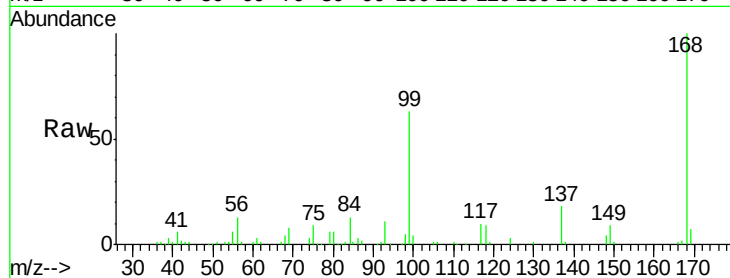
99 62.7 50.9 76.3

Manual Integrations

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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) (-)

4.73

40000

30000

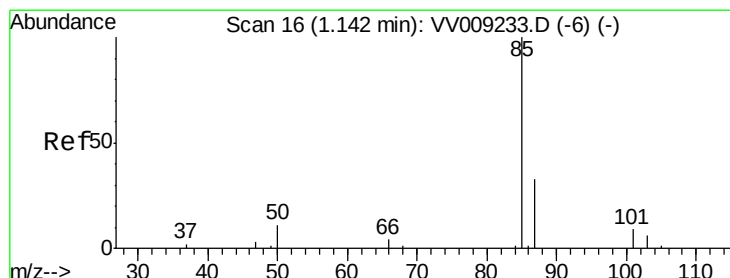
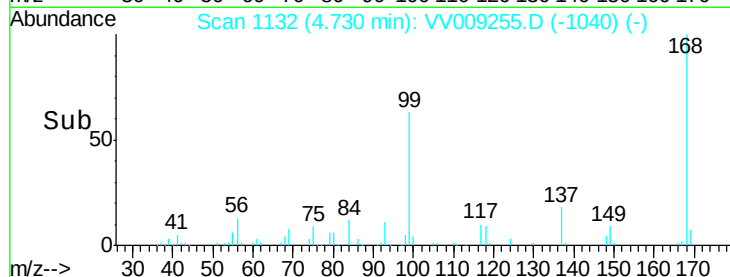
20000

10000

0

4.60 4.70 4.80 4.90

Time-->



#2

Dichlorodifluoromethane

Concen: 9.126 ug/l m

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009255.D

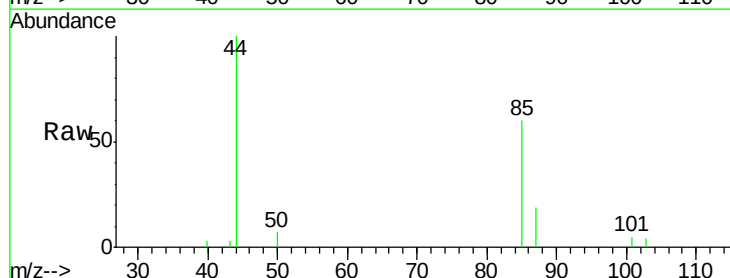
Acq: 24 Jan 2019 12:52

Tgt Ion: 85 Resp: 6428

Ion Ratio Lower Upper

85 100

87 31.4 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) (-)

1.14

3000

2500

2000

1500

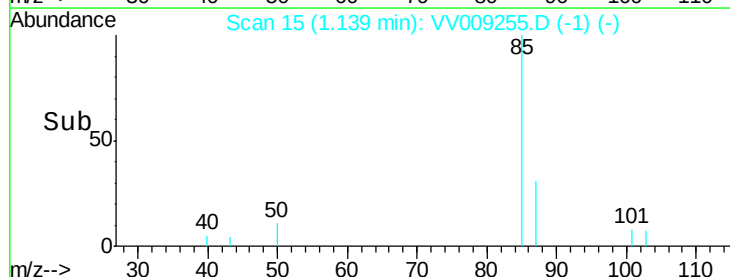
1000

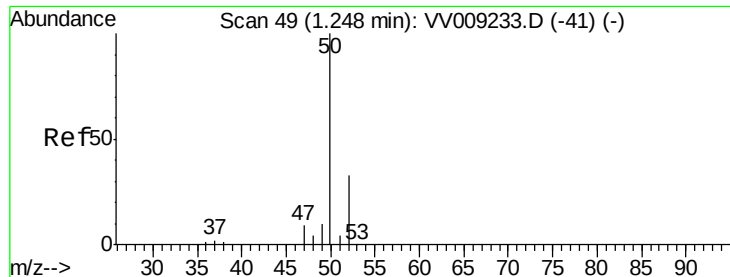
500

0

1.05 1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 9.945 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 9429

Ion Ratio Lower Upper

50 100

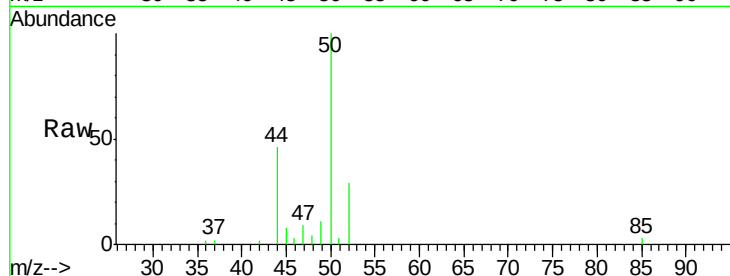
52 29.0 26.3 39.5

Manual Integrations

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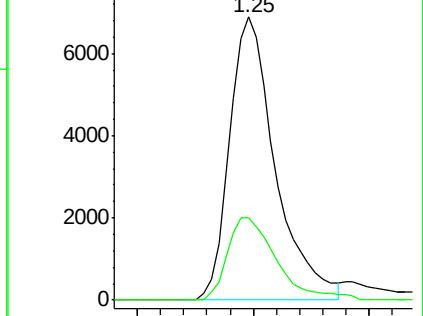
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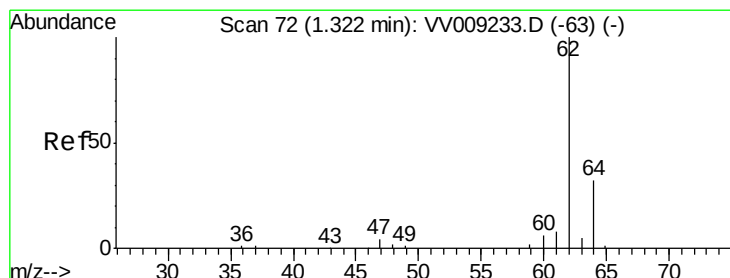
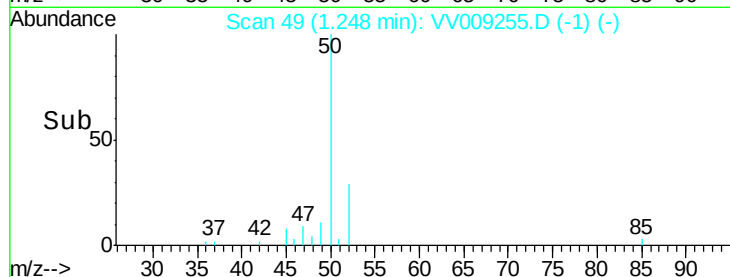


Abundance Ion 49.90 (49.60 to 50.60): VV009233.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VV009255.D (-1) (-)



Time-->



#4

Vinyl Chloride

Concen: 8.845 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009255.D

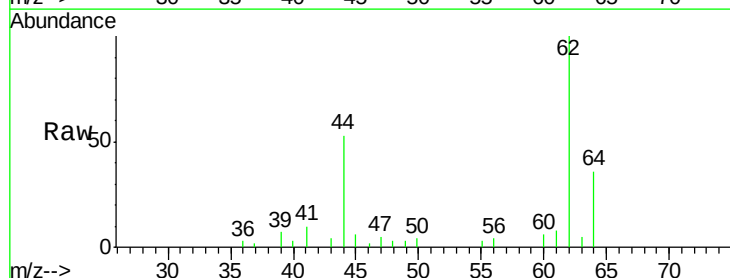
Acq: 24 Jan 2019 12:52

Tgt Ion: 62 Resp: 9528

Ion Ratio Lower Upper

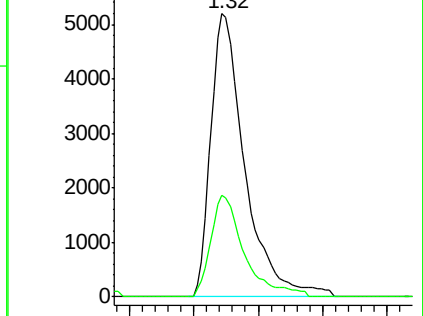
62 100

64 35.8 25.4 38.0

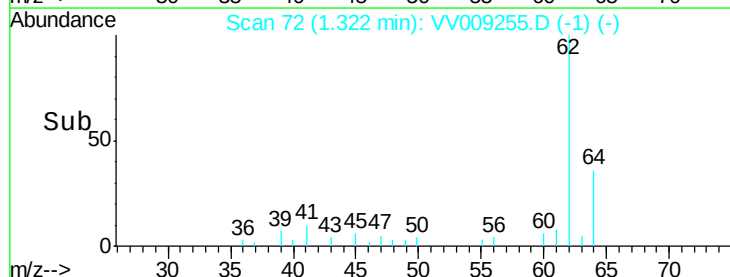


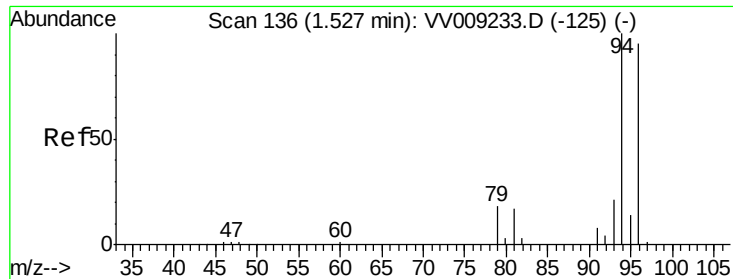
Abundance Ion 61.90 (61.60 to 62.60): VV009233.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VV009255.D (-1) (-)



Time-->





#5

Bromomethane

Concen: 9.828 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 6004

Ion Ratio Lower Upper

94 100

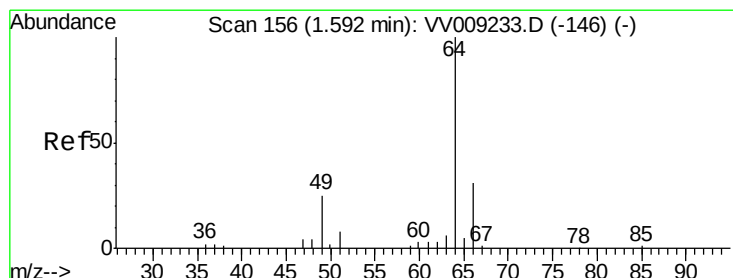
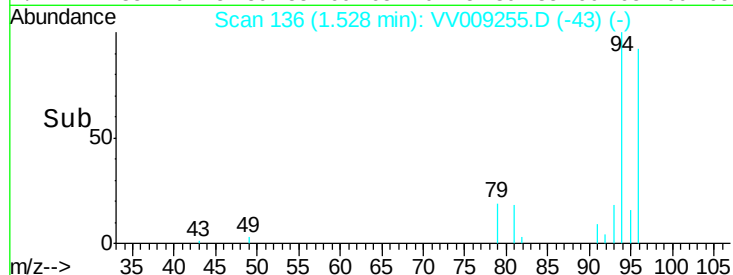
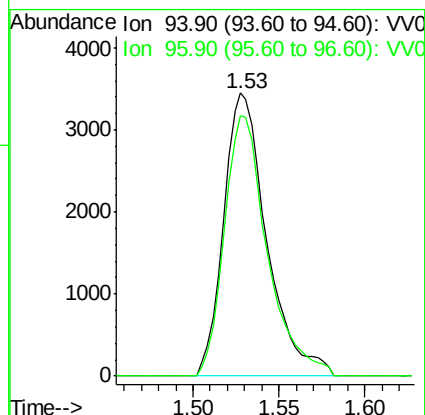
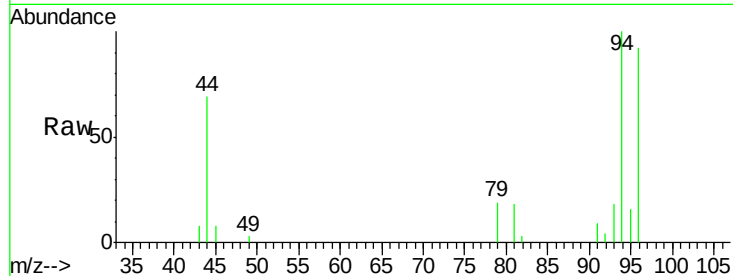
96 91.9 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 8.959 ug/l

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009255.D

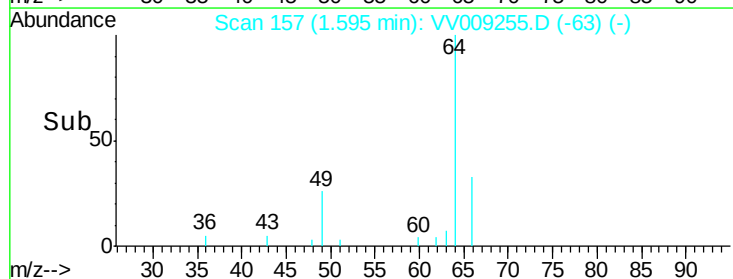
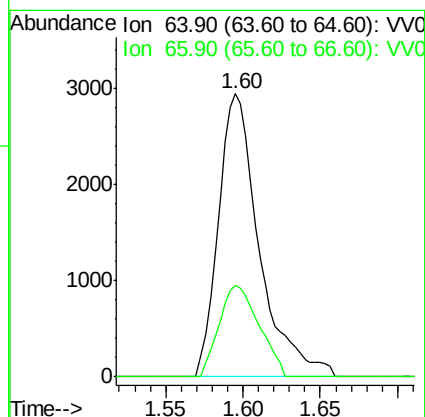
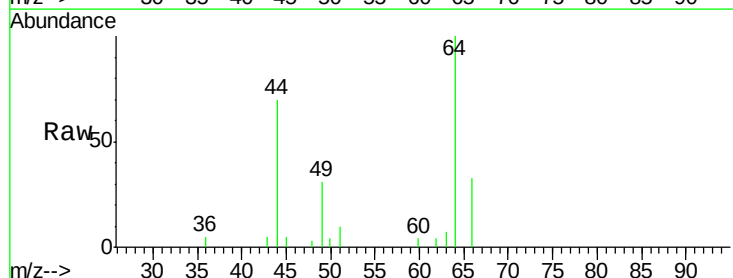
Acq: 24 Jan 2019 12:52

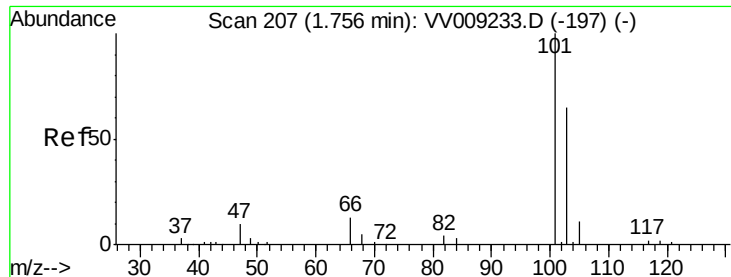
Tgt Ion: 64 Resp: 5394

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

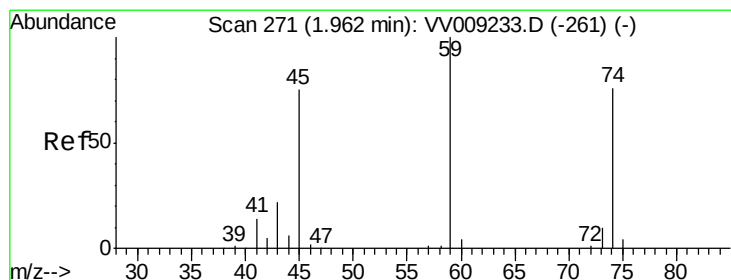
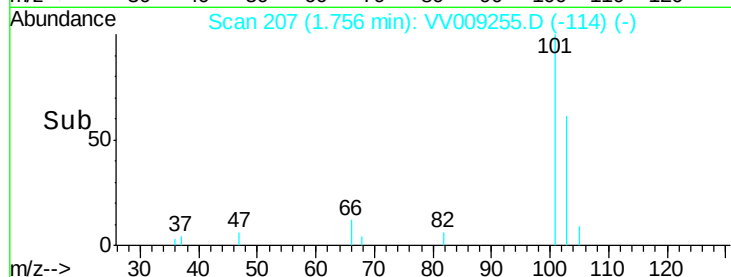
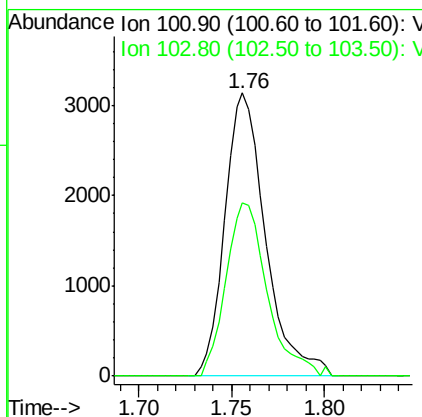
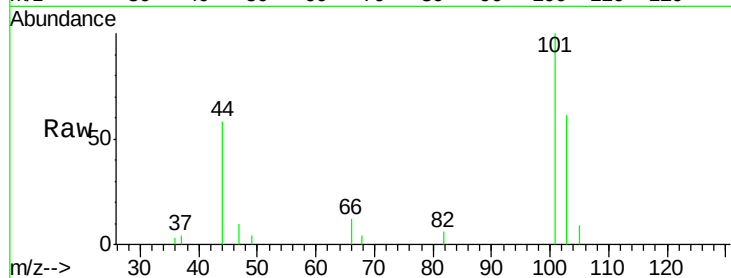
Trichlorofluoromethane
Concen: 6.321 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	52.2	78.4

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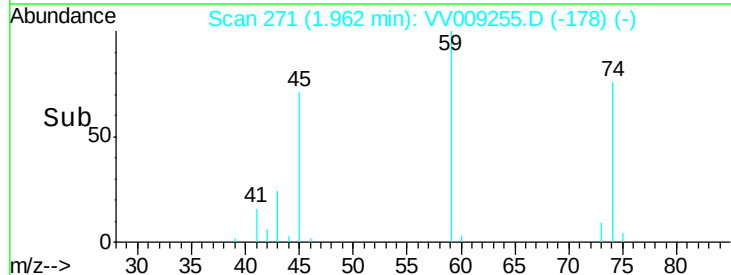
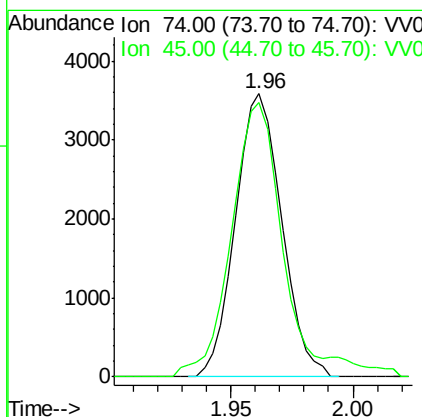
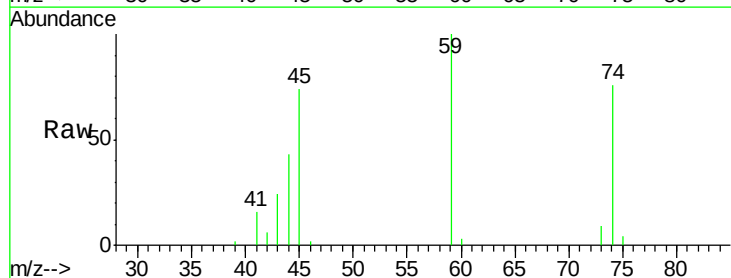
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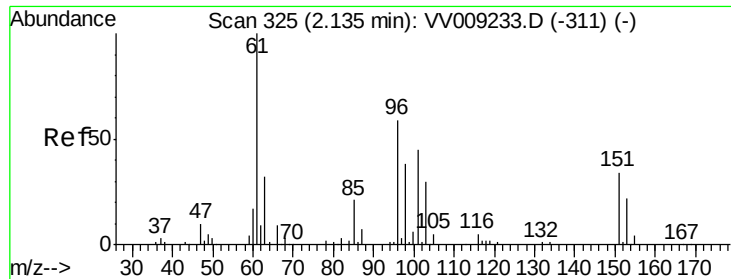


#8

Diethyl Ether
Concen: 9.912 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.869 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

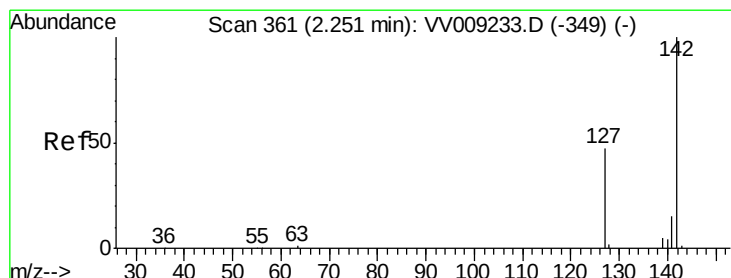
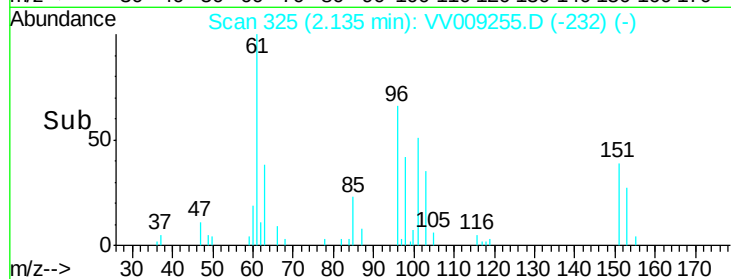
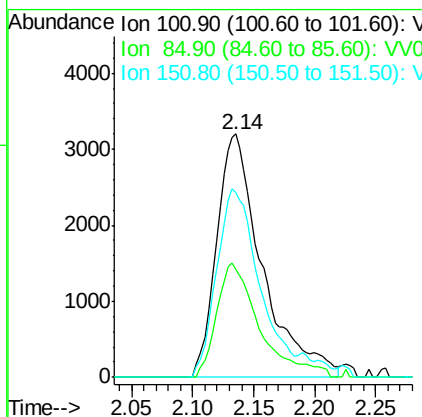
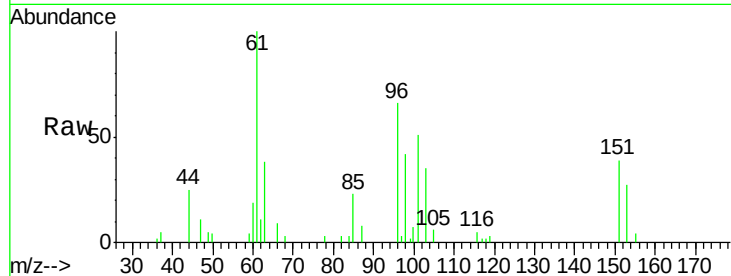
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	8331
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.3	52.9
151	72.5	60.1	90.1

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#10

Methyl Iodide

Concen: 9.700 ug/l

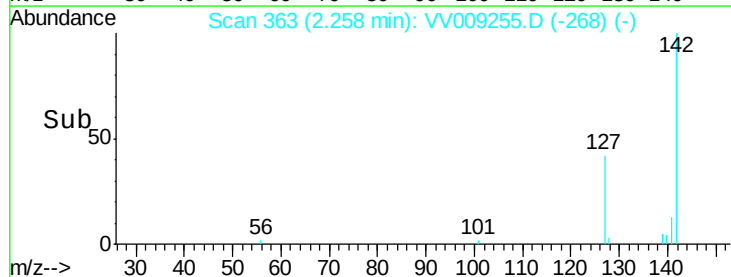
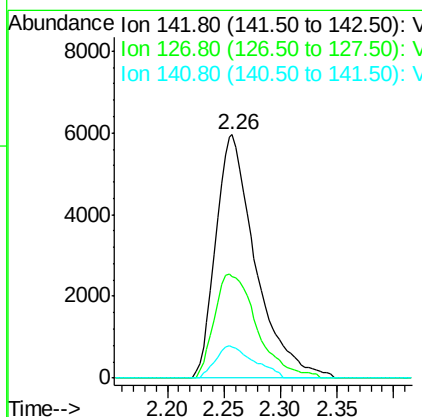
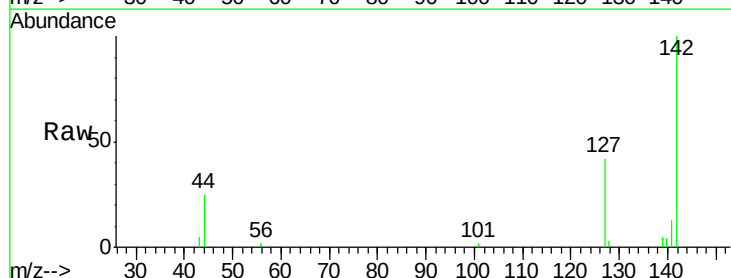
RT: 2.26 min Scan# 363

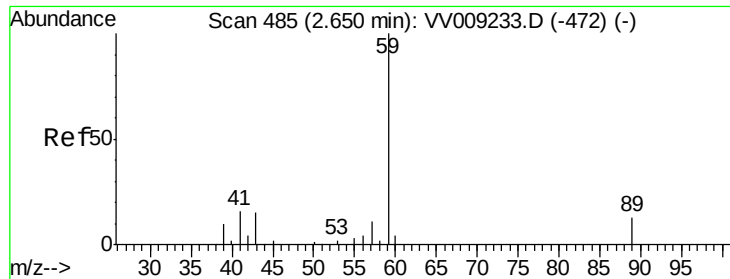
Delta R.T. 0.01 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion:	142	Resp:	14544
Ion Ratio	Lower	Upper	
142	100		
127	45.8	37.9	56.9
141	12.7	11.7	17.5





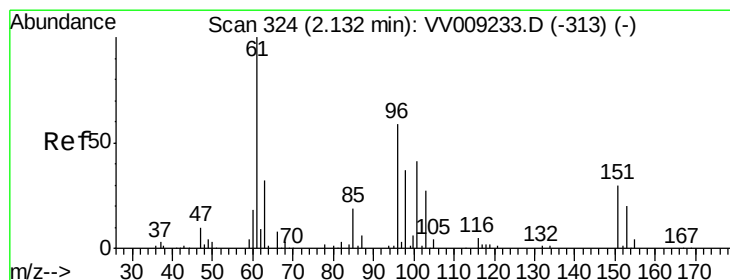
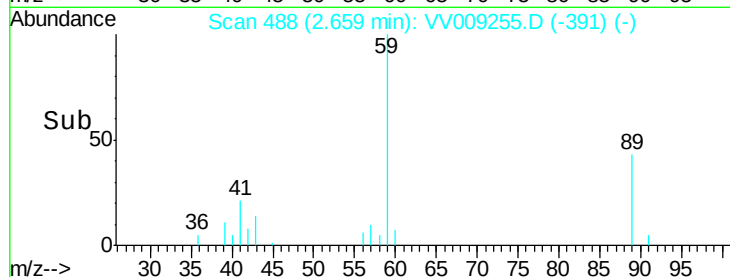
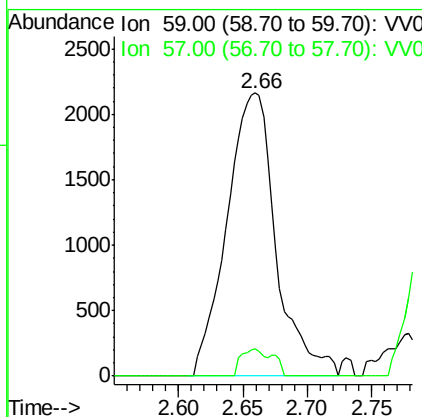
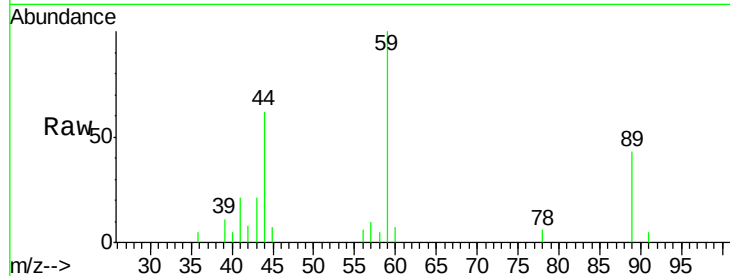
#11
Tert butyl alcohol
Concen: 74.623 ug/l
RT: 2.66 min Scan# 488
Delta R.T. 0.01 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.4	12.6#

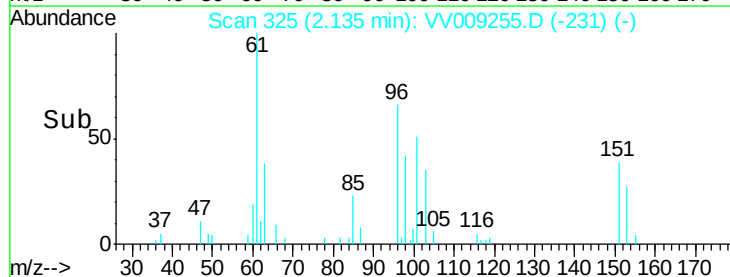
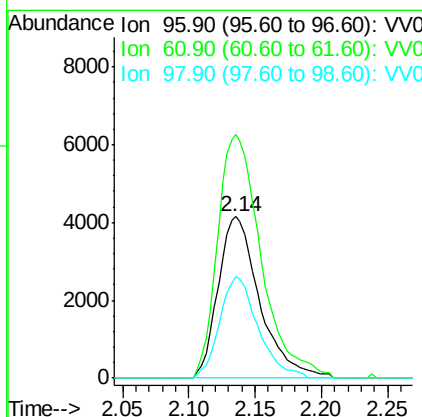
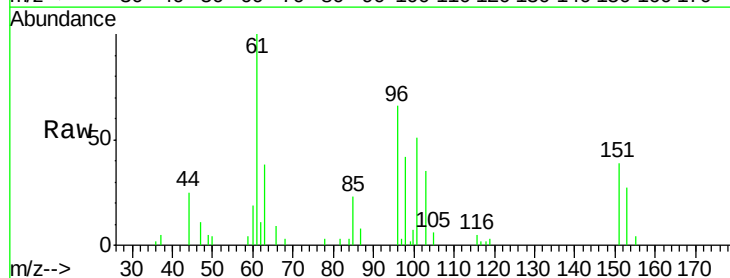
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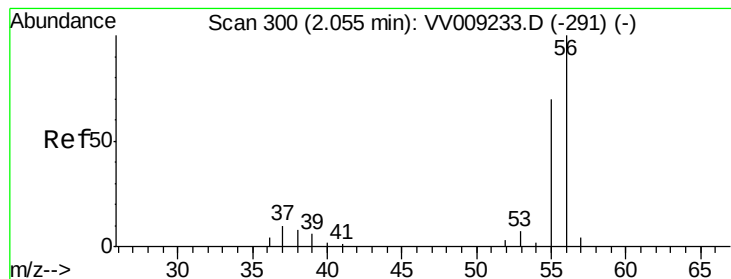
MMDadoda
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#12
1,1-Dichloroethene
Concen: 9.788 ug/l
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	136.6	205.0
98	62.7	50.6	75.8





#13

Acrolein

Concen: 31.533 ug/l

RT: 2.05 min Scan# 300

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 2506

Ion Ratio Lower Upper

56 100

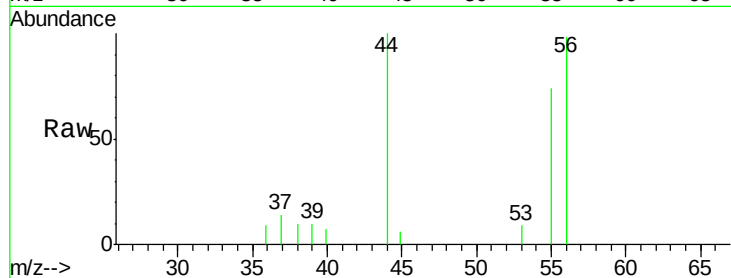
55 79.1 54.0 81.0

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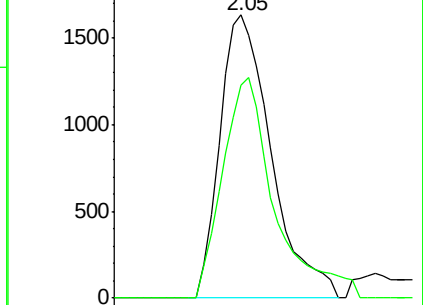
MMDadoda

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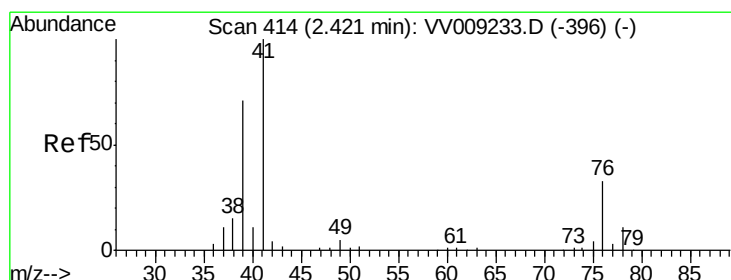
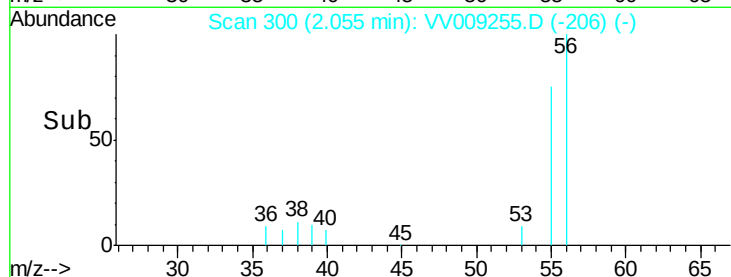


Abundance Ion 56.00 (55.70 to 56.70): VV009233.D (-291) (-)

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



Time-->



#14

Allyl chloride

Concen: 8.597 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

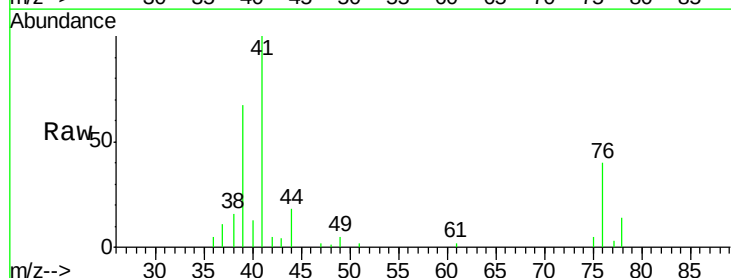
Tgt Ion: 41 Resp: 13666

Ion Ratio Lower Upper

41 100

39 68.4 55.1 82.7

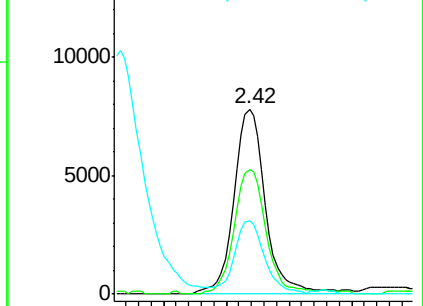
76 38.5 26.7 40.1



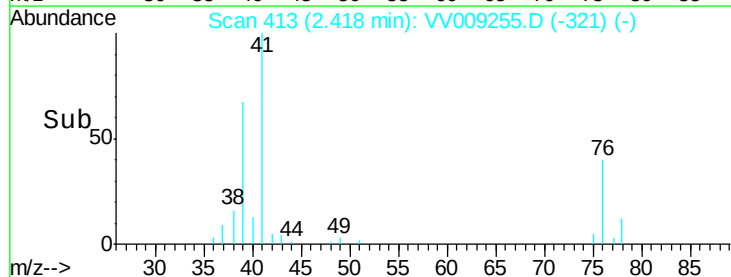
Abundance Ion 41.00 (40.70 to 41.70): VV009233.D (-396) (-)

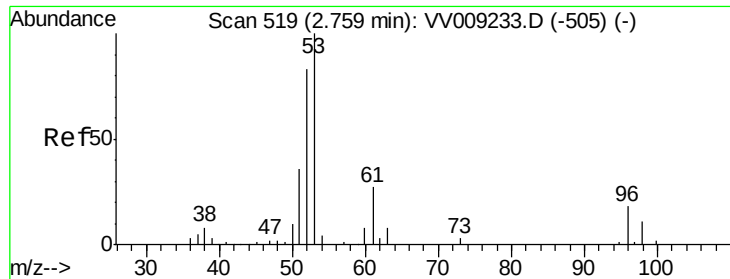
Ion 39.00 (38.70 to 39.70): VV009233.D (-396) (-)

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



Time-->





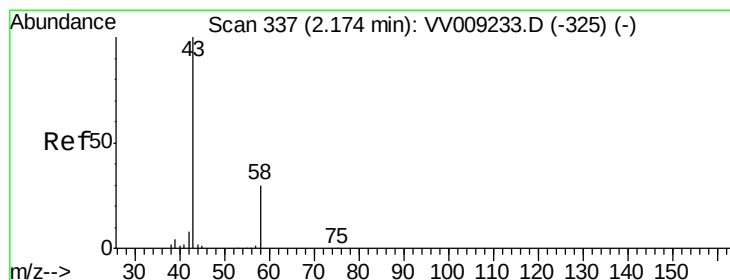
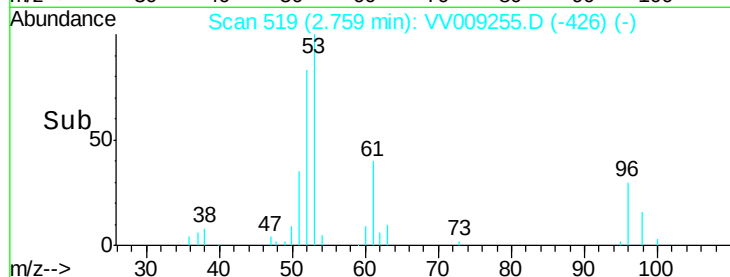
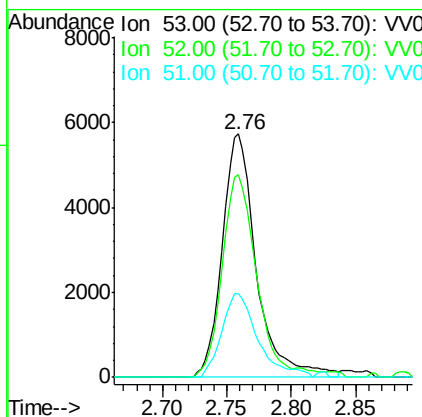
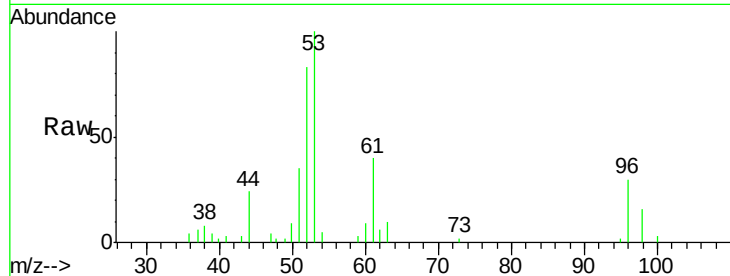
#15
Acrylonitrile
Concen: 51.200 ug/l
RT: 2.76 min Scan# 519
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		10545		
52	84.1	65.3	97.9		
51	36.4	29.0	43.4		

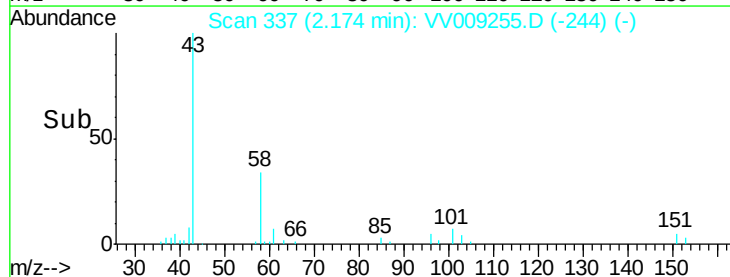
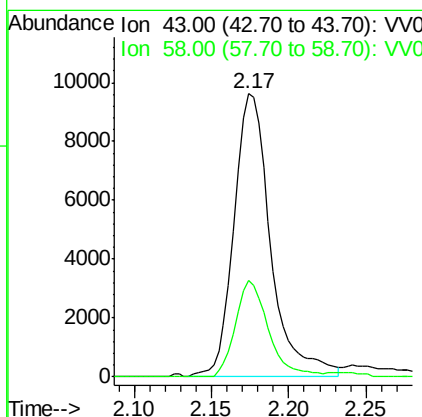
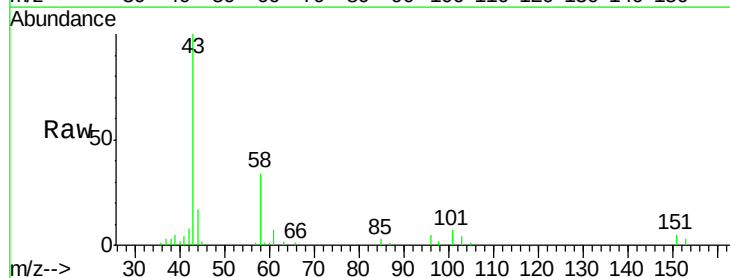
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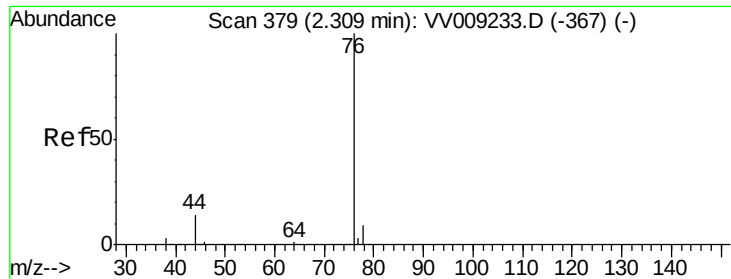
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#16
Acetone
Concen: 55.307 ug/l
RT: 2.17 min Scan# 337
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		15935		
58	34.0	24.4	36.6		





#17

Carbon Disulfide

Concen: 8.464 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 23880

Ion Ratio Lower Upper

76 100

78 9.9

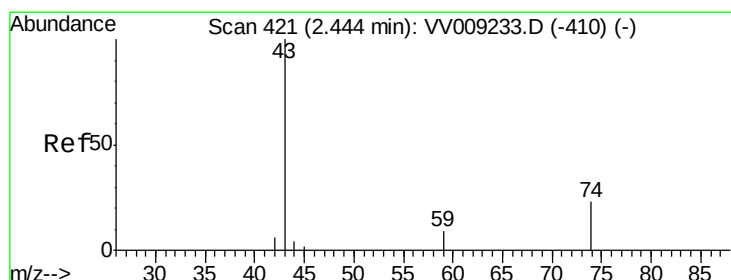
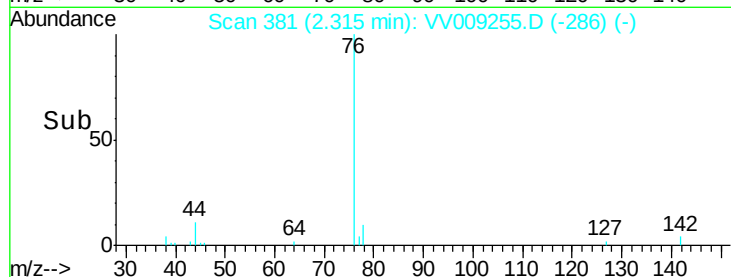
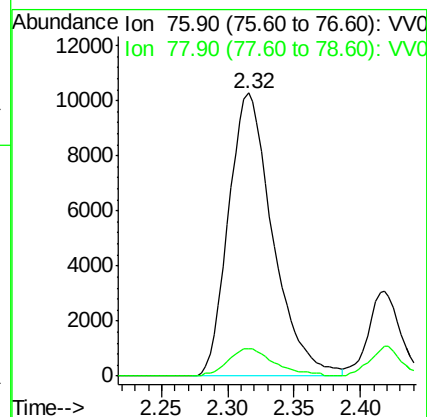
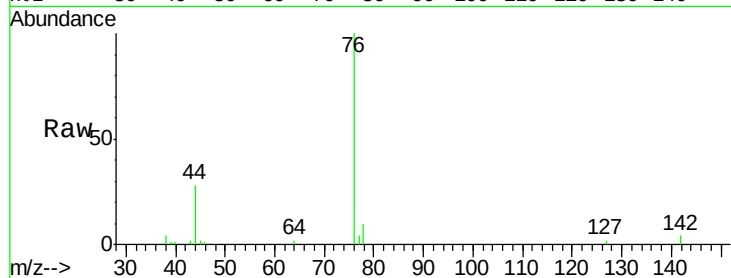
7.3 10.9

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#18

Methyl Acetate

Concen: 9.938 ug/l

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

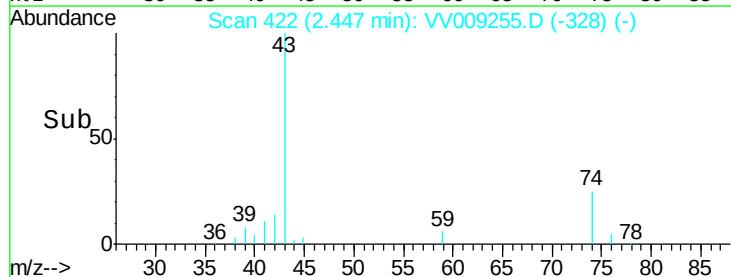
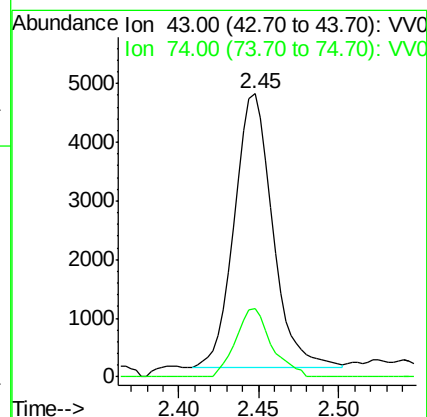
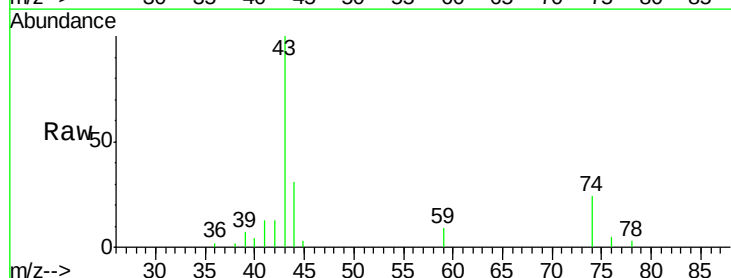
Tgt Ion: 43 Resp: 7648

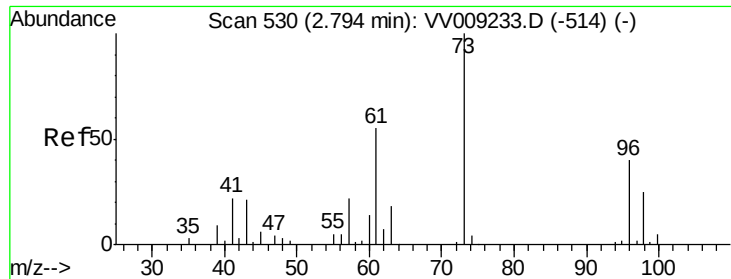
Ion Ratio Lower Upper

43 100

74 23.0

19.7 29.5





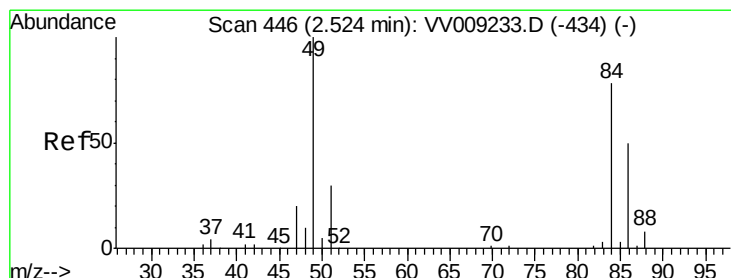
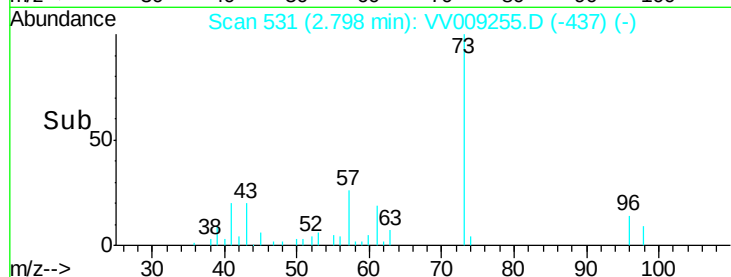
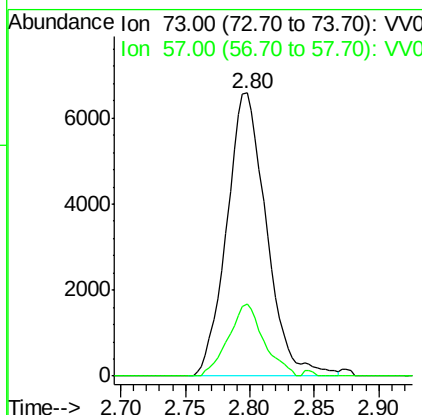
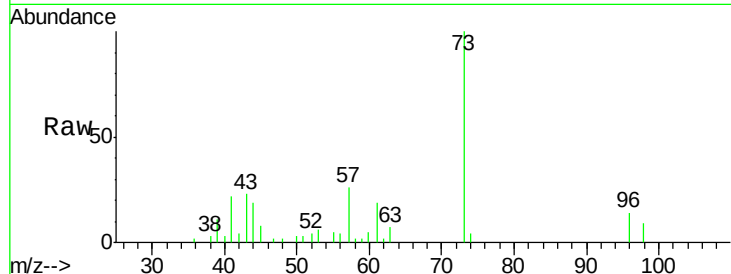
#19
Methyl tert-butyl Ether
Concen: 9.847 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 14098
Ion Ratio Lower Upper
73 100
57 25.7 18.0 27.0

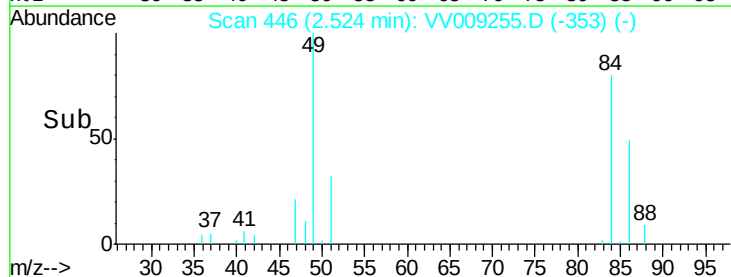
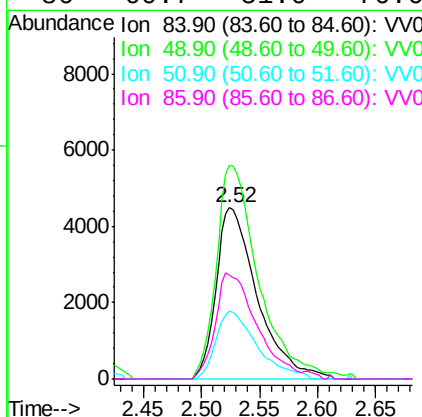
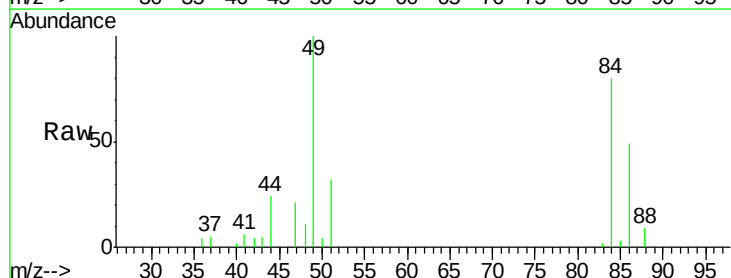
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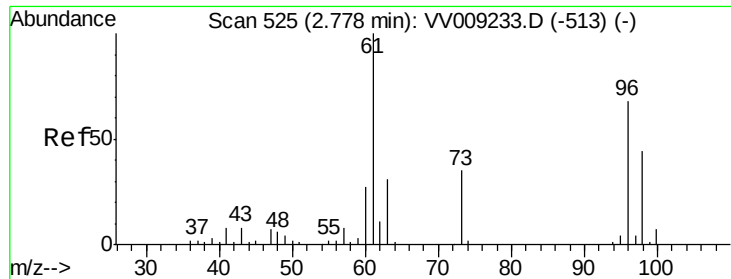
MMDadoda
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#20
Methylene Chloride
Concen: 8.238 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 84 Resp: 11123
Ion Ratio Lower Upper
84 100
49 124.6 102.0 153.0
51 39.4 30.9 46.3
86 60.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 9.266 ug/l

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

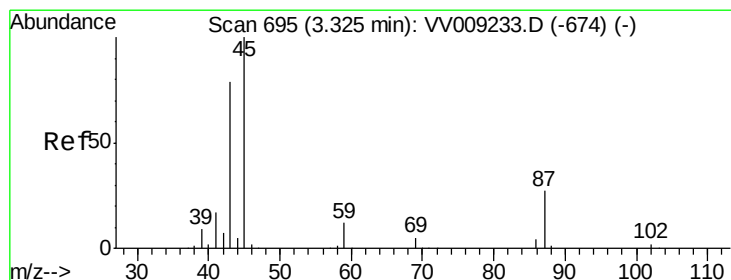
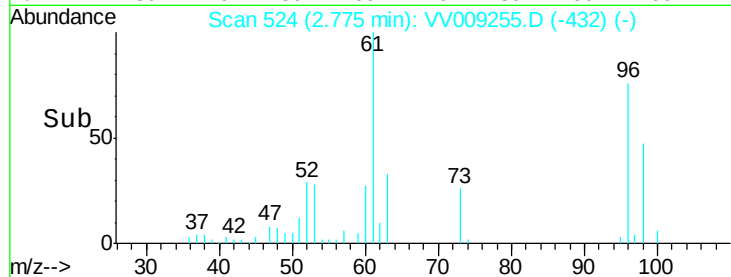
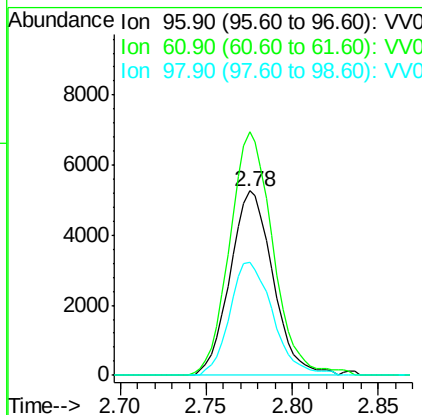
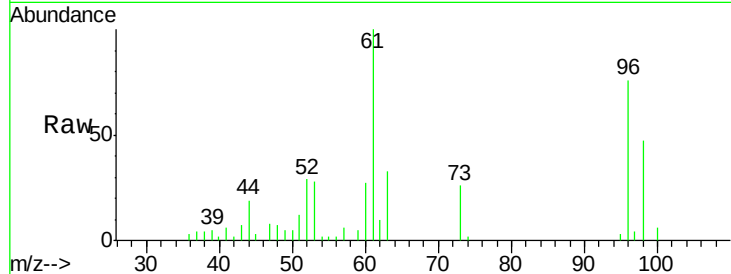
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	9207
Ion	Ratio	Lower	Upper
96	100		
61	132.1	117.7	176.5
98	61.5	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 9.722 ug/l

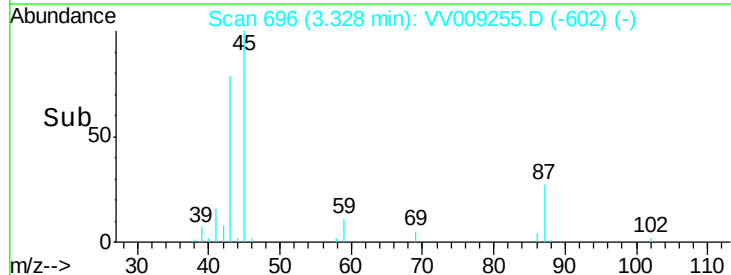
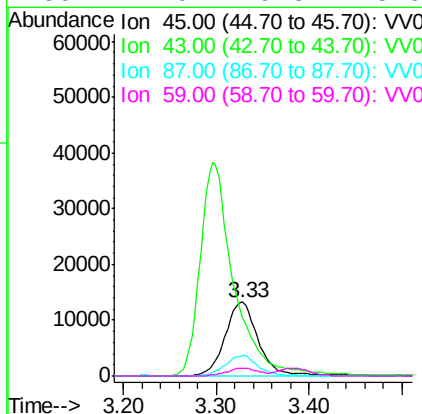
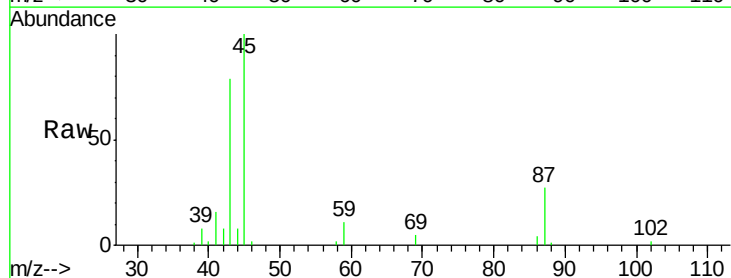
RT: 3.33 min Scan# 696

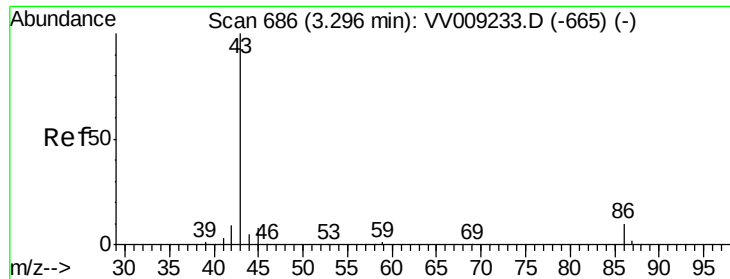
Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion:	45	Resp:	32905
Ion	Ratio	Lower	Upper
45	100		
43	76.4	63.0	94.4
87	27.3	21.5	32.3
59	11.0	9.3	13.9





#23

Vinyl Acetate

Concen: 52.886 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 97128

Ion Ratio Lower Upper

43 100

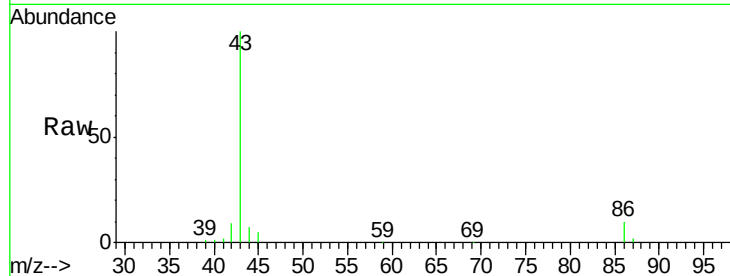
86 10.0 8.1 12.1

Manual Integrations

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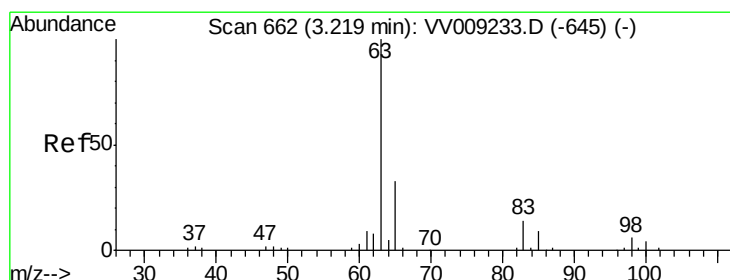
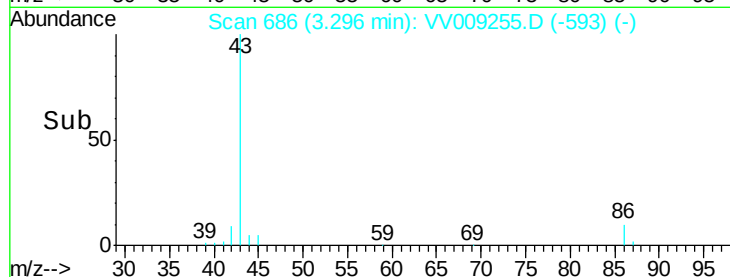
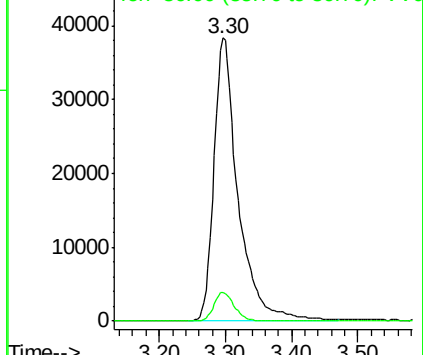
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Abundance Ion 43.00 (42.70 to 43.70): VV009255.D (-593) (-)

Ion 86.00 (85.70 to 86.70): VV009255.D (-593) (-)



#24

1,1-Dichloroethane

Concen: 9.674 ug/l

RT: 3.21 min Scan# 660

Delta R.T. -0.01 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

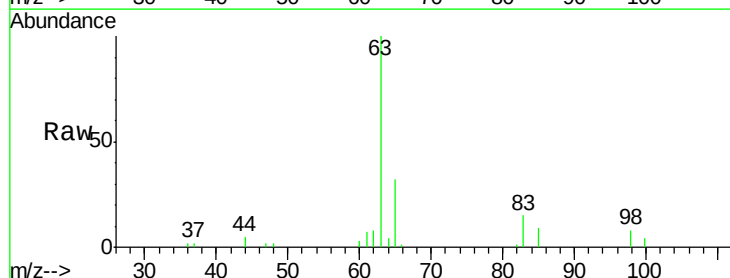
Tgt Ion: 63 Resp: 20371

Ion Ratio Lower Upper

63 100

98 7.7 3.3 9.8

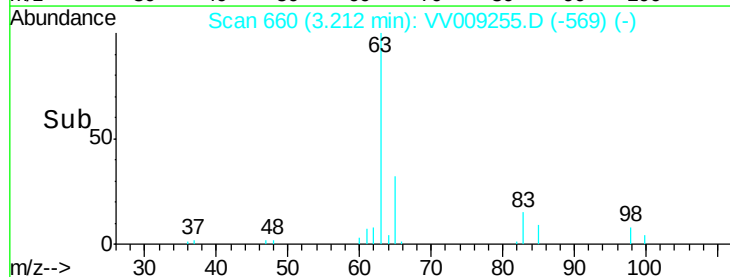
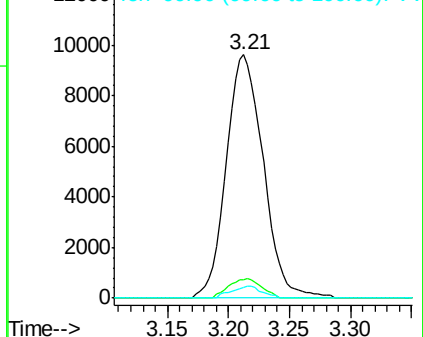
100 4.4 2.2 6.6

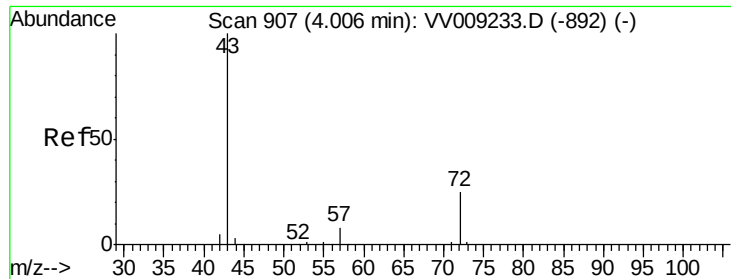


Abundance Ion 62.90 (62.60 to 63.60): VV009255.D (-569) (-)

Ion 97.90 (97.60 to 98.60): VV009255.D (-569) (-)

Ion 99.90 (99.60 to 100.60): VV009255.D (-569) (-)





#25

2-Butanone

Concen: 62.233 ug/l

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tot Ion: 43 Resp: 20504

Ion Ratio Lower Upper

43 100

72 26.5 20.2 30.4

Instrument :

MSVOA_V

ClientSampleId :

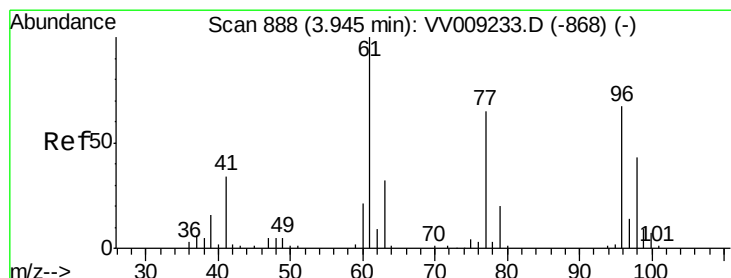
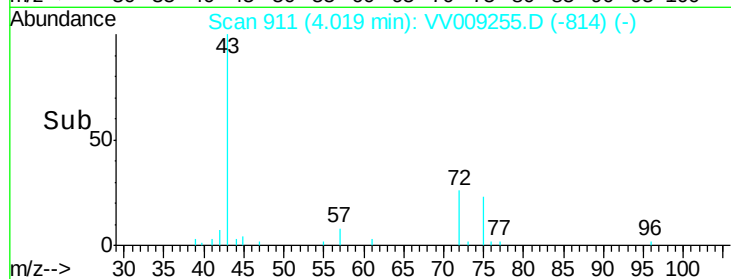
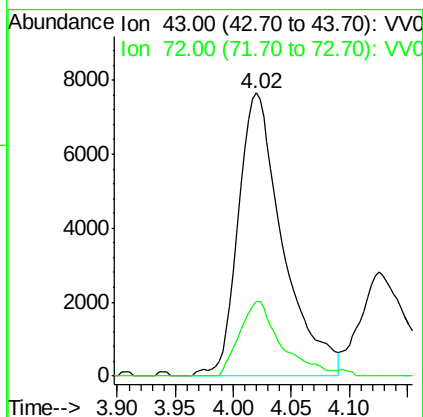
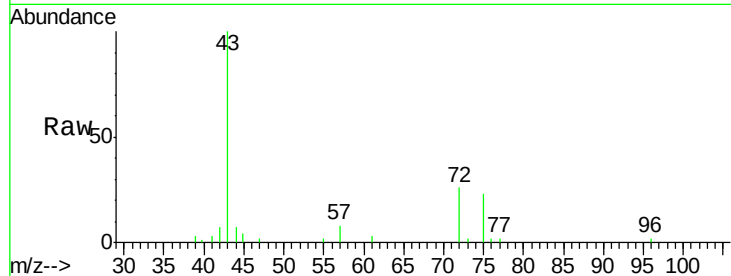
VSTDIC010

Manual Integrations

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MMDadoda

1/25/2019 10:01:21 AM



#26

2,2-Dichloropropane

Concen: 8.393 ug/l

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV009255.D

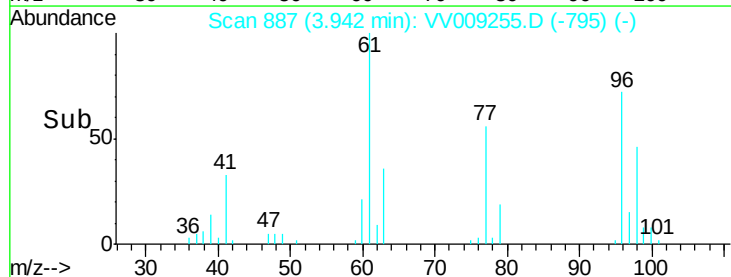
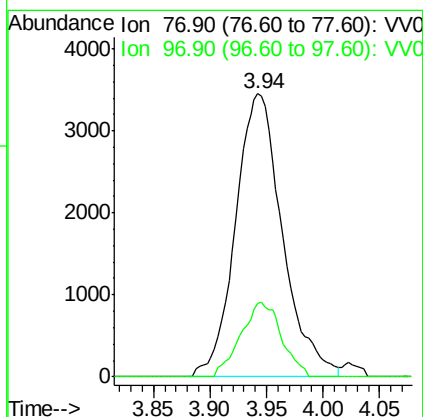
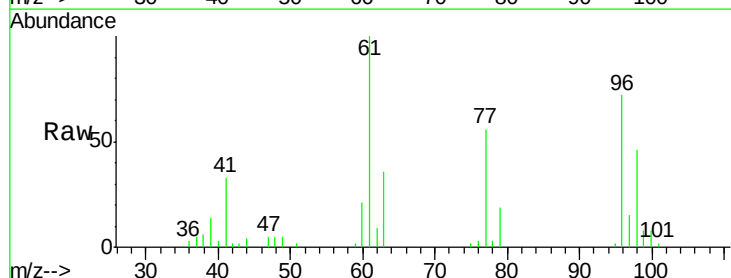
Acq: 24 Jan 2019 12:52

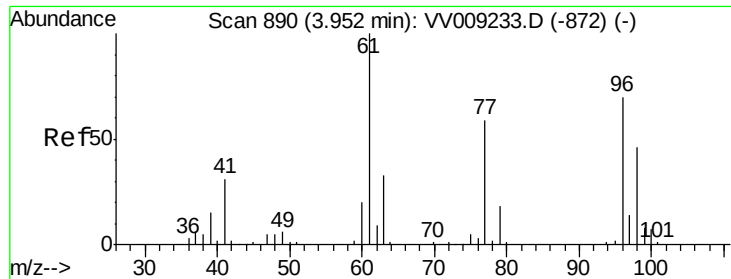
Tgt Ion: 77 Resp: 9947

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.6





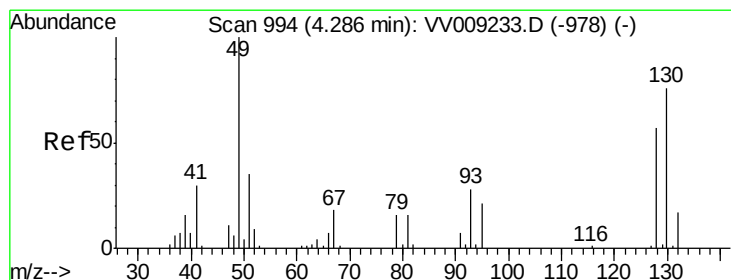
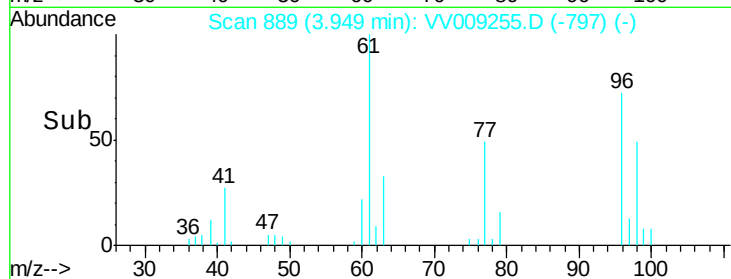
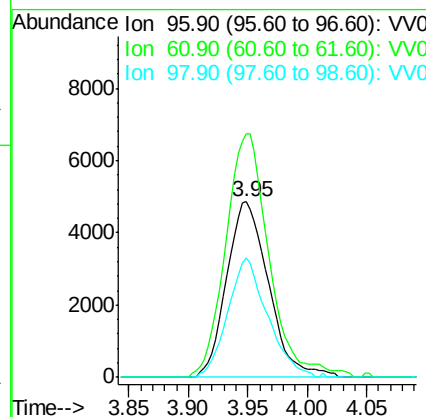
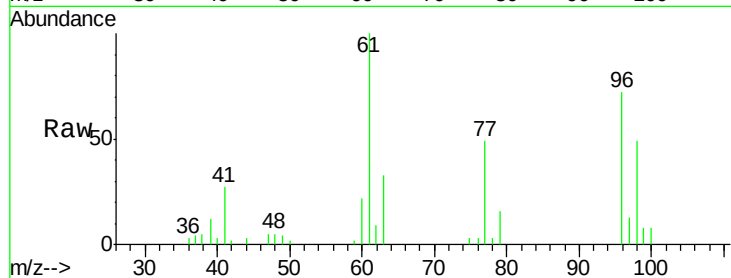
#27
 cis-1,2-Dichloroethene
 Concen: 9.907 ug/l
 RT: 3.95 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	296.4
98	64.2	0.0	130.0

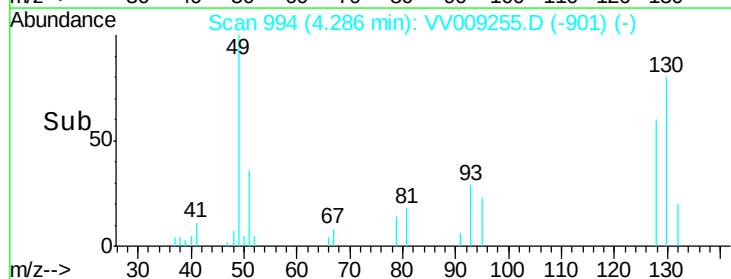
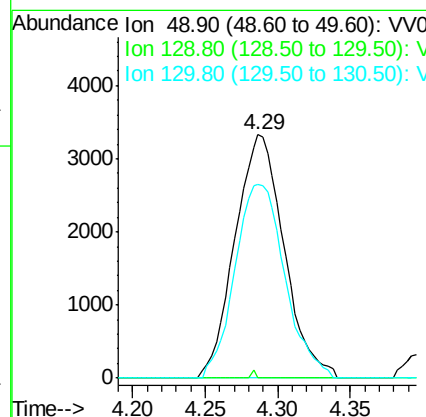
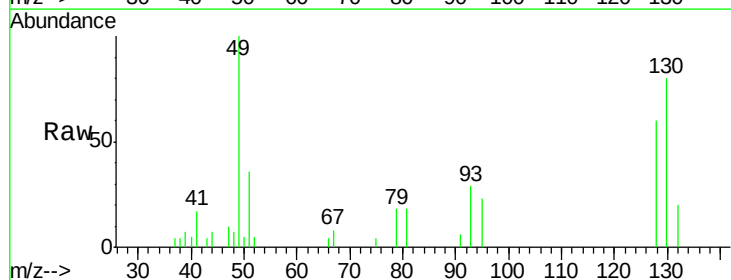
Manual Integrations
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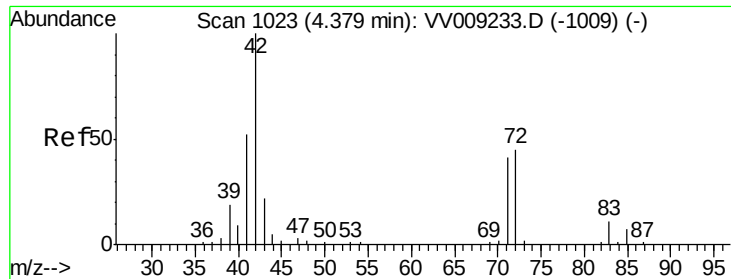
MMDadoda
 1/25/2019 10:01:21 AM



#28
 Bromochloromethane
 Concen: 10.065 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.6
130	80.9	60.2	90.4





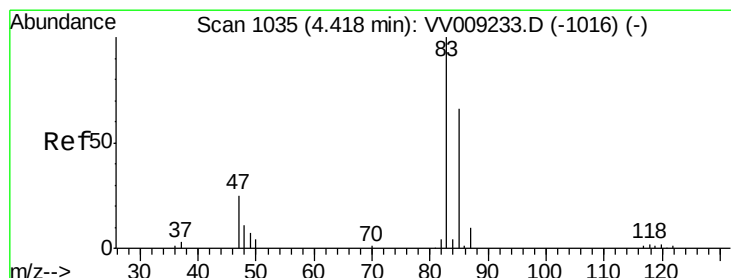
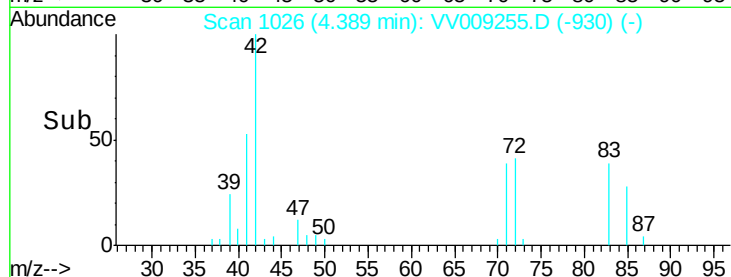
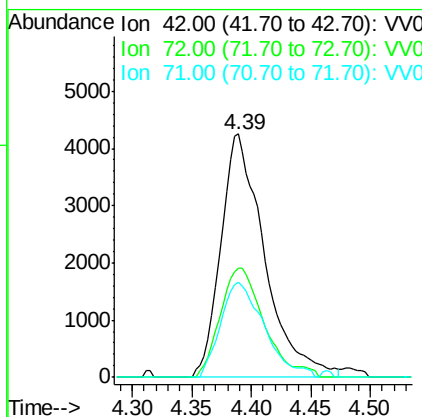
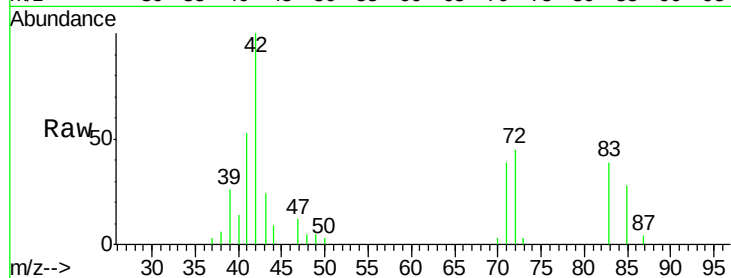
#29
Tetrahydrofuran
Concen: 60.342 ug/l
RT: 4.39 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	37.7	56.5
71	39.0	31.5	47.3

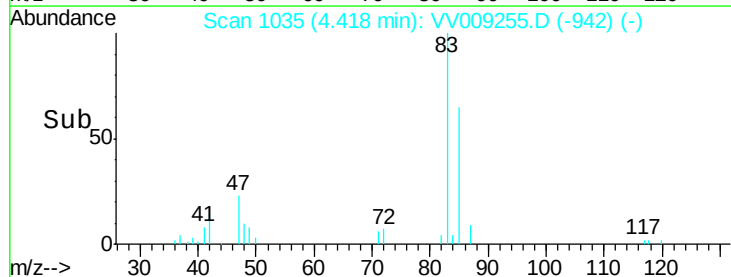
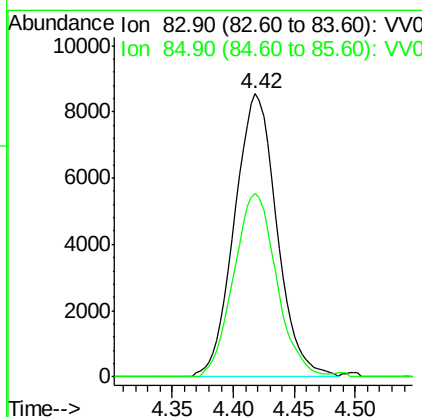
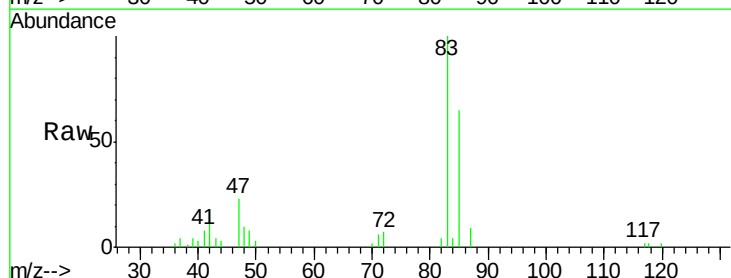
Manual Integrations
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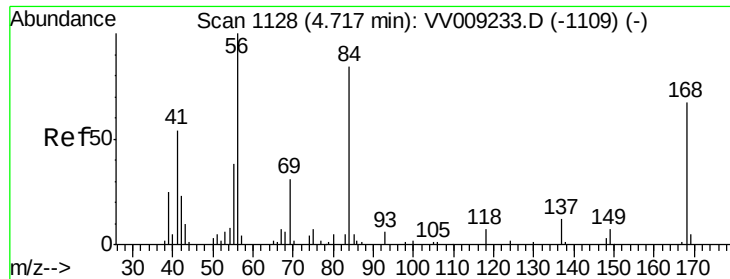
MMDadoda
1/25/2019 10:01:21 AM



#30
Chloroform
Concen: 9.720 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	79.0





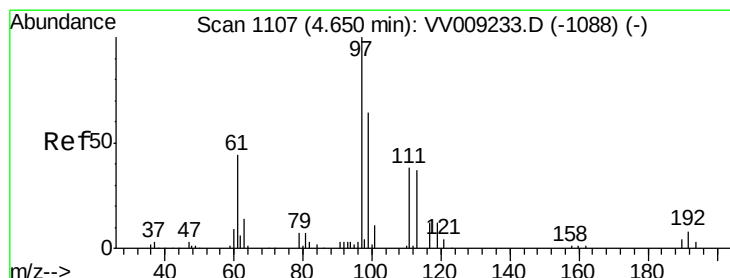
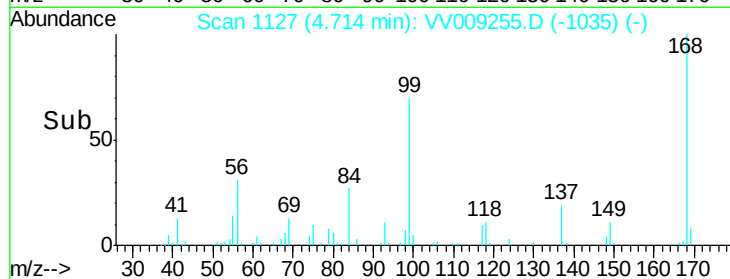
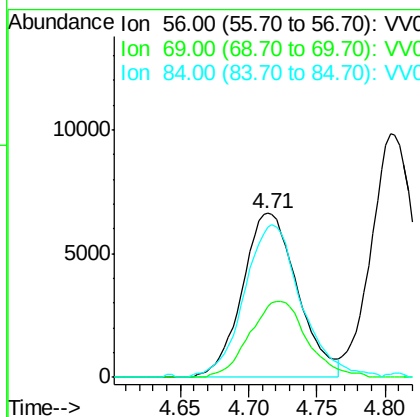
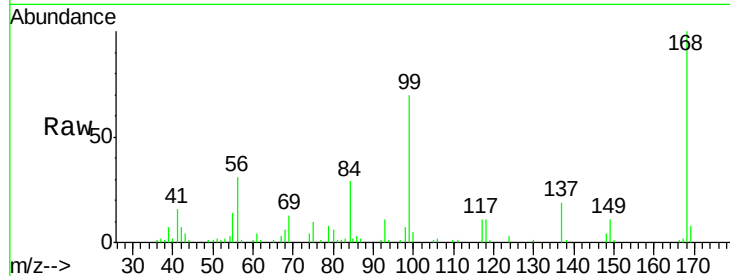
#31
Cyclohexane
Concen: 9.701 ug/l
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.8	25.1	37.7#
84	91.8	67.3	100.9

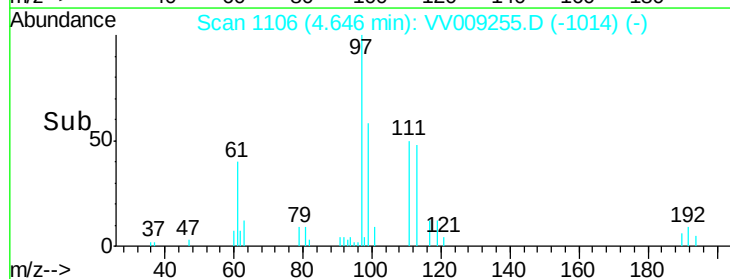
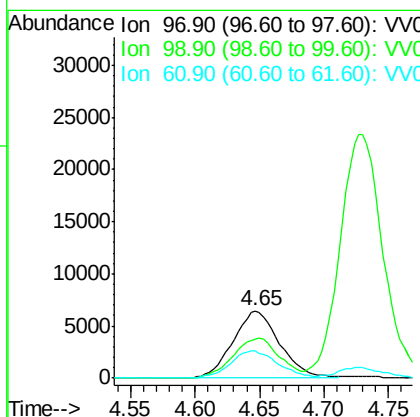
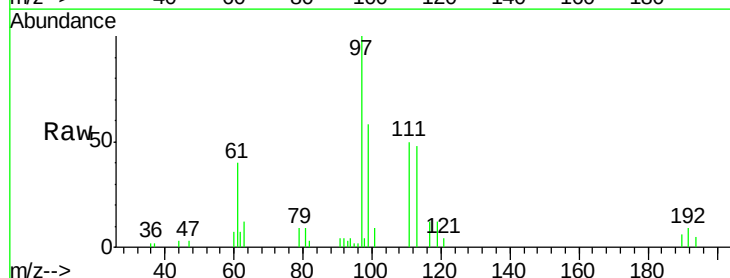
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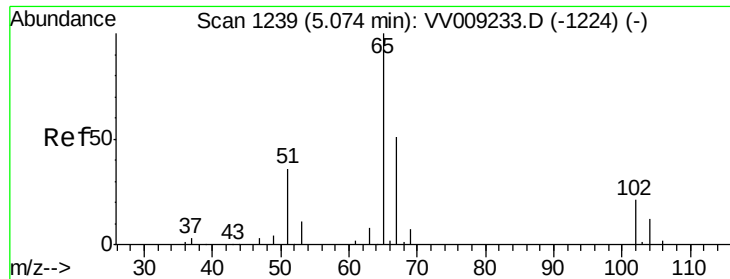
MMDadoda
1/25/2019 10:01:21 AM



#32
1,1,1-Trichloroethane
Concen: 9.092 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.5	50.2	75.2
61	41.0	34.7	52.1





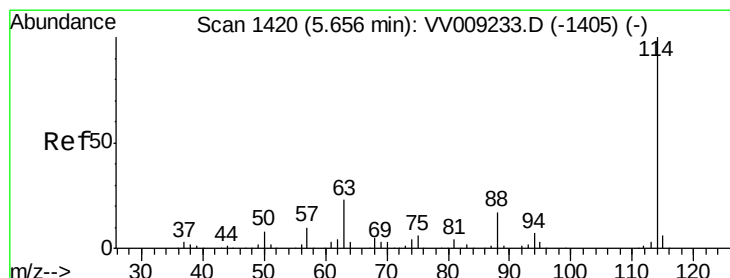
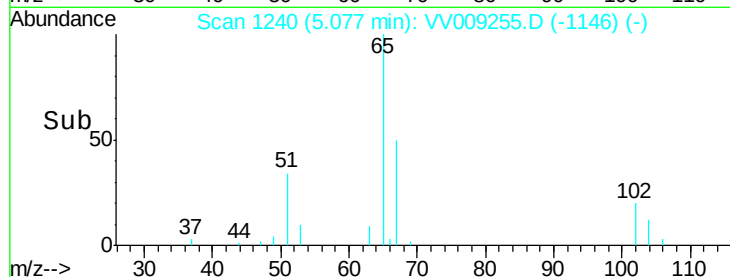
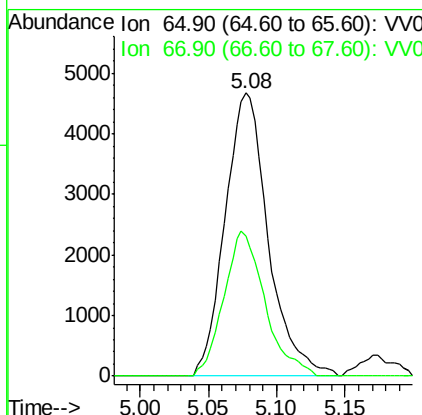
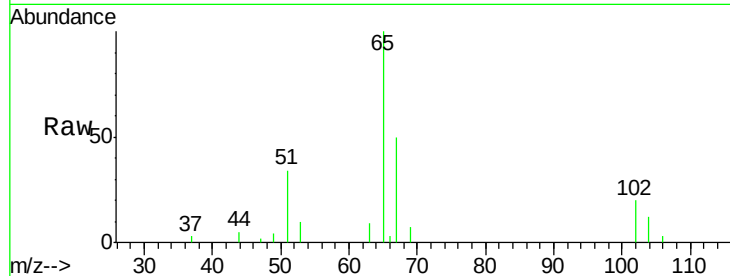
#33
 1,2-Dichloroethane-d4
 Concen: 9.663 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.9	0.0	102.8	

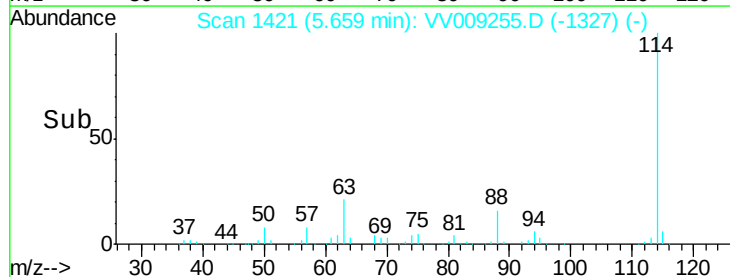
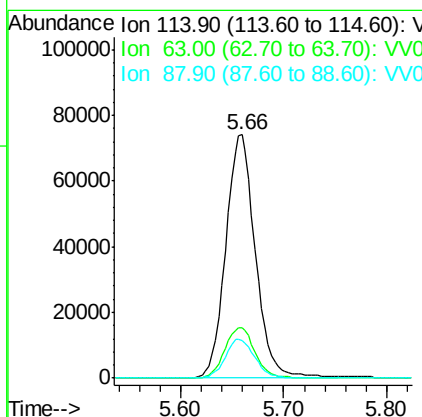
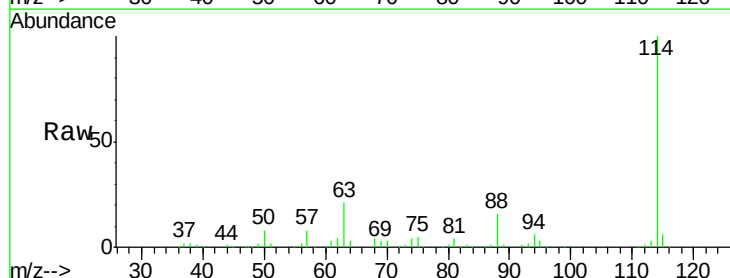
Manual Integrations
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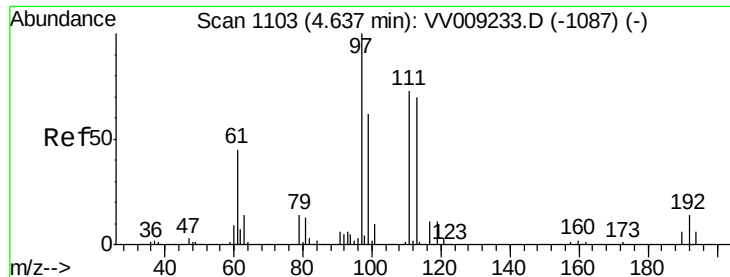
MMDadoda
 1/25/2019 10:01:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	45.2	
88	15.6	0.0	33.4	





#35

Dibromofluoromethane

Concen: 9.388 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion:113 Resp: 9049

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

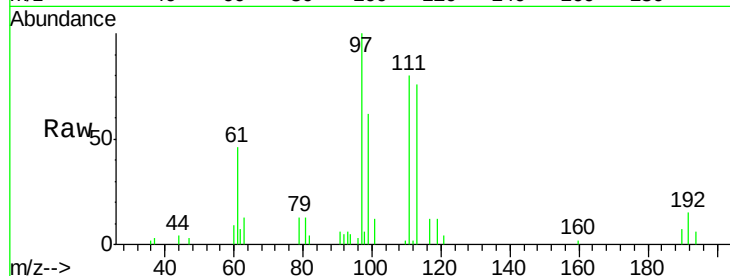
192 17.3 15.0 22.6

Manual Integrations

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MMDadoda

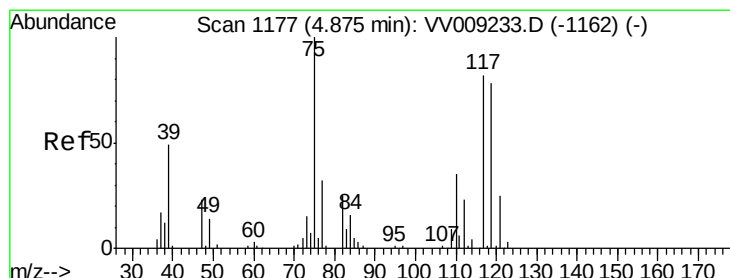
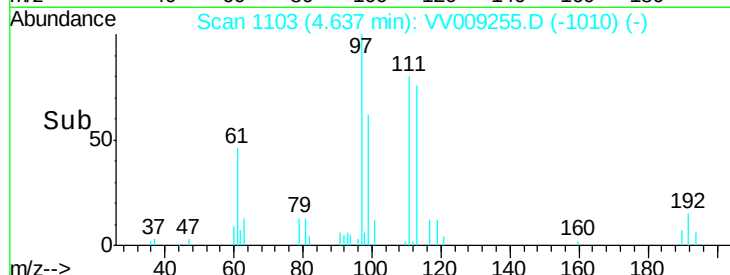
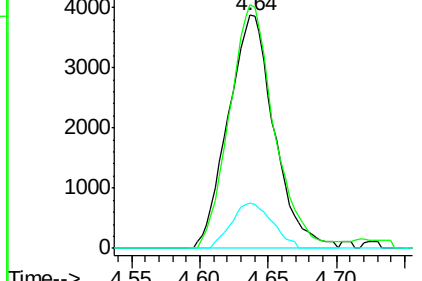
1/25/2019 10:01:21 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 8.950 ug/l

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

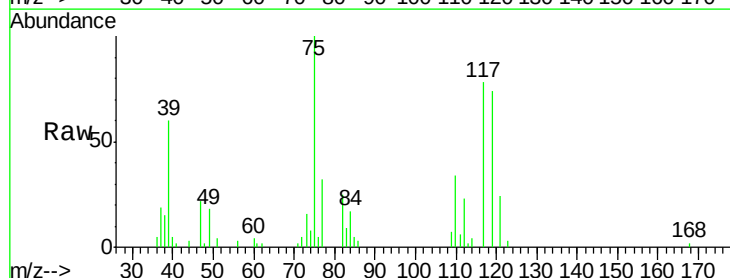
Tgt Ion: 75 Resp: 14720

Ion Ratio Lower Upper

75 100

110 35.7 17.5 52.5

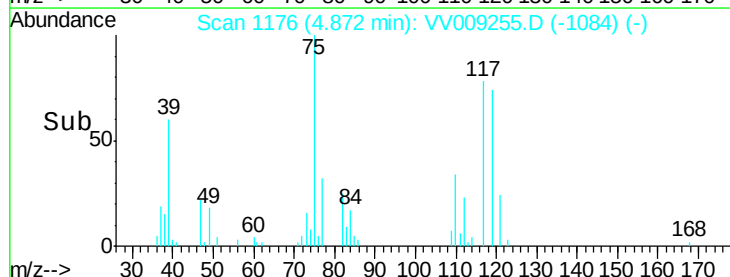
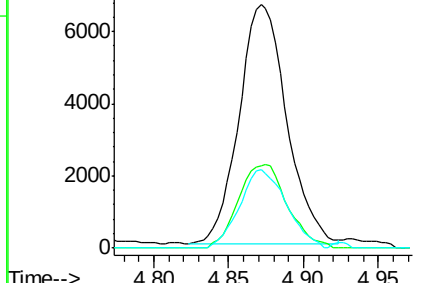
77 32.1 25.5 38.3

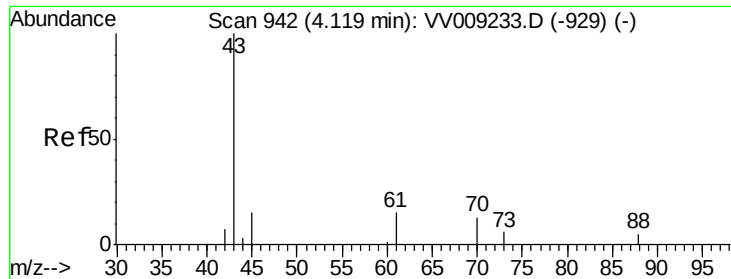


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0





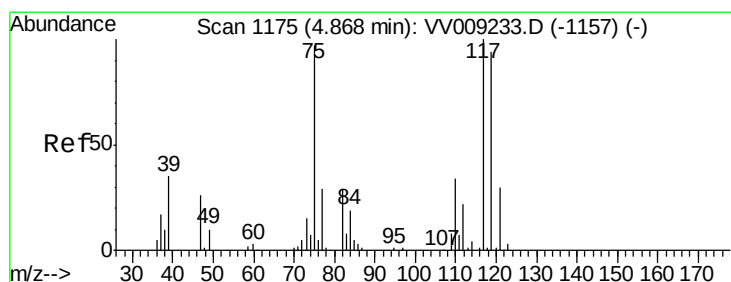
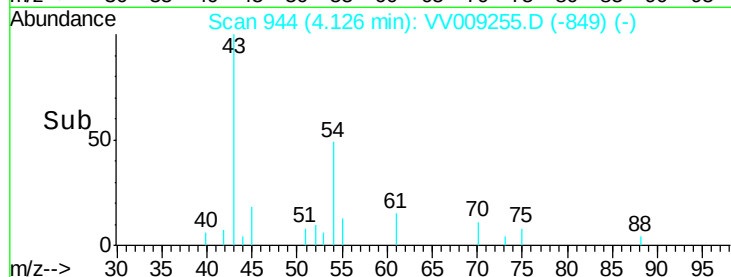
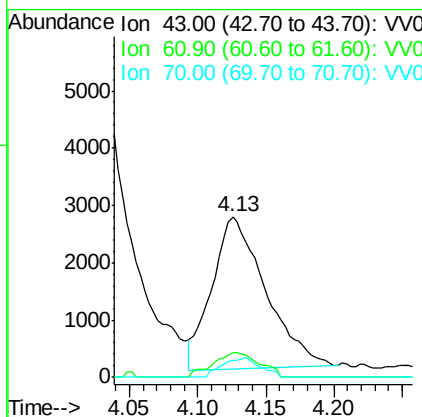
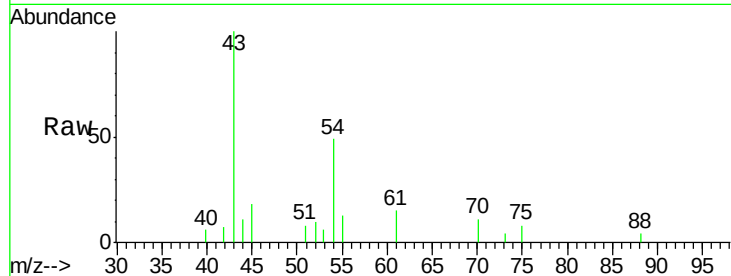
#37
Ethyl Acetate
Concen: 11.471 ug/l
RT: 4.13 min Scan# 944
Delta R.T. 0.01 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 7250
Ion Ratio Lower Upper
43 100
61 14.2 12.0 18.0
70 9.1 8.7 13.1

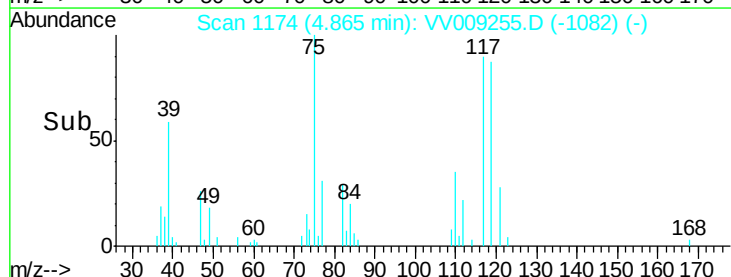
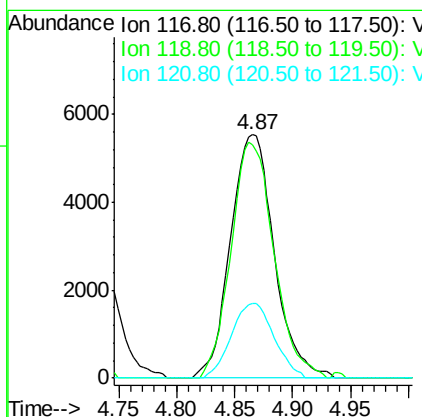
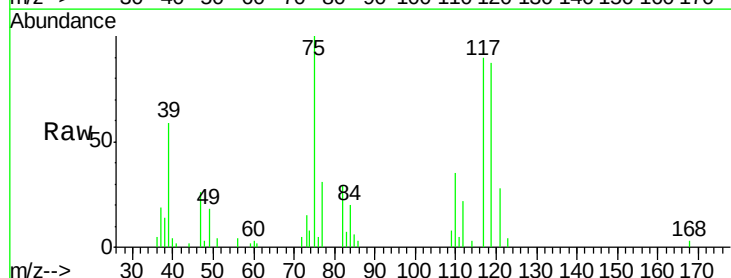
Manual Integrations
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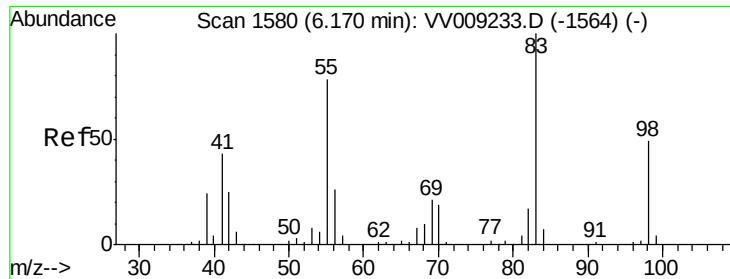
MMDadoda
1/25/2019 10:01:21 AM



#38
Carbon Tetrachloride
Concen: 8.809 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 117 Resp: 14504
Ion Ratio Lower Upper
117 100
119 96.1 75.4 113.2
121 30.8 24.2 36.2





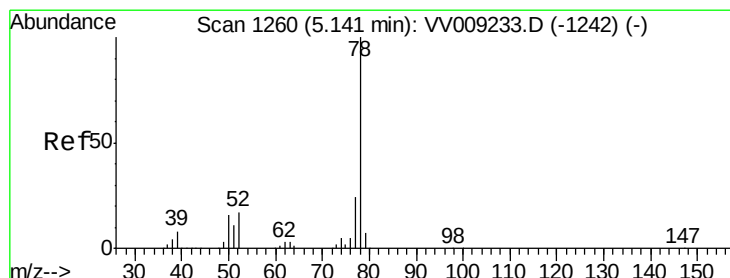
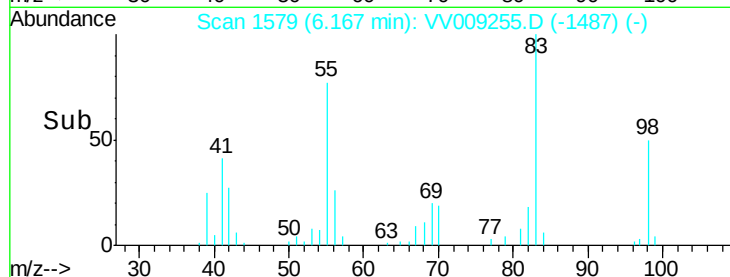
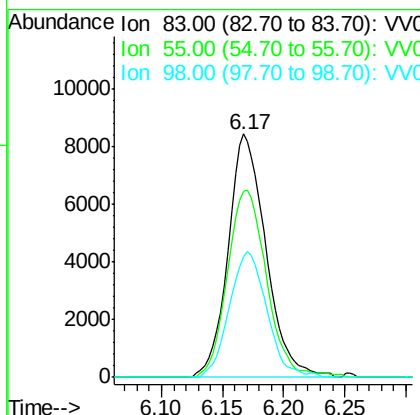
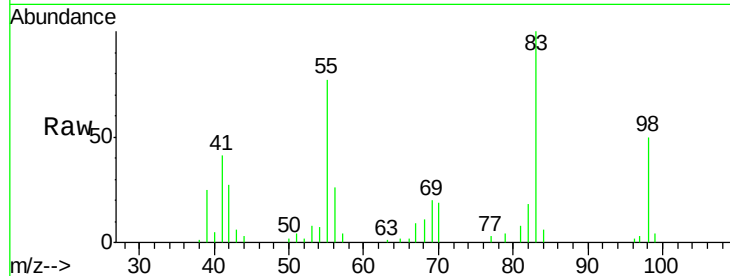
#39
Methylvlcyclohexane
Concen: 9.337 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	18185
Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.8	94.2
98	49.7	39.1	58.7

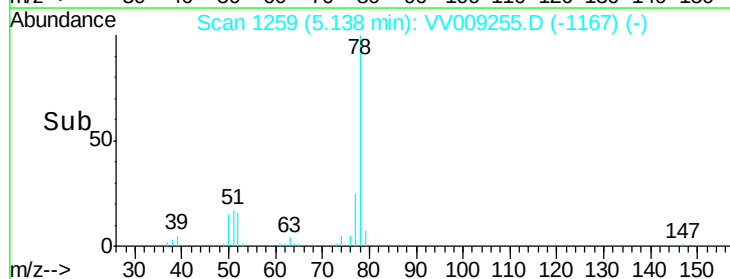
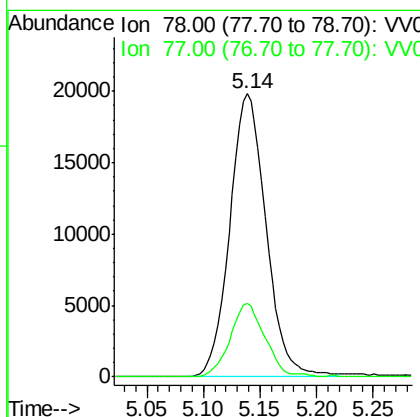
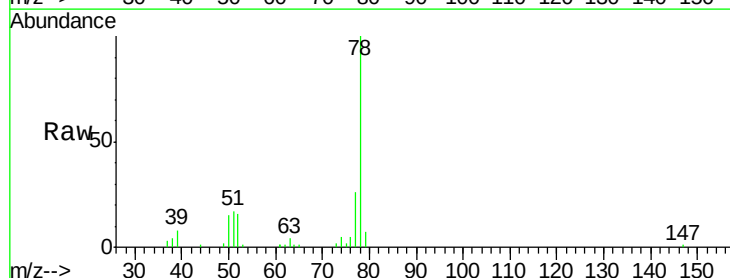
Manual Integrations
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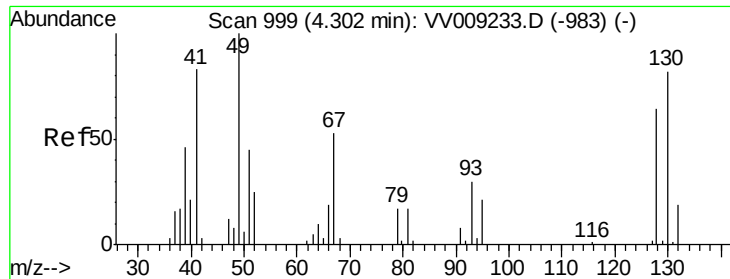
MMDadoda
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#40
Benzene
Concen: 9.630 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	78	Resp	44295
Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.4	29.2





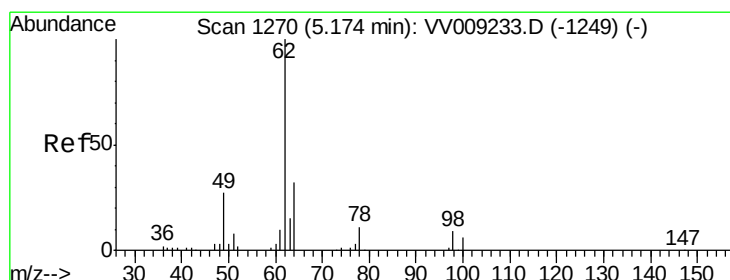
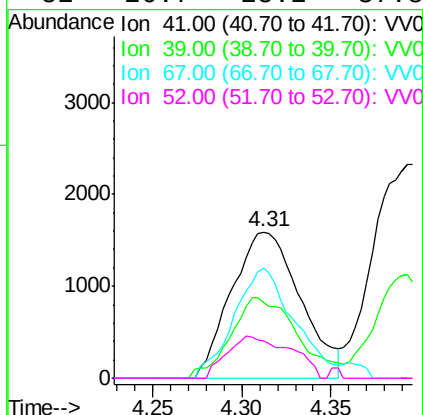
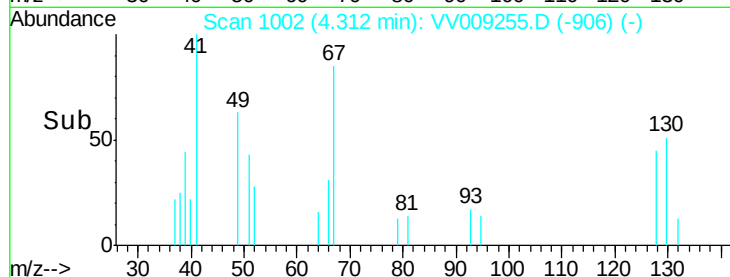
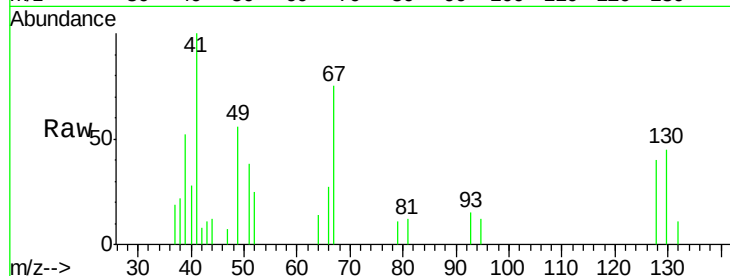
#41
Methacrylonitrile
Concen: 11.231 ug/l
RT: 4.31 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	4278
Ion	Ratio	Lower	Upper
41	100		
39	54.0	45.4	68.0
67	65.6	55.5	83.3
52	26.7	25.2	37.8

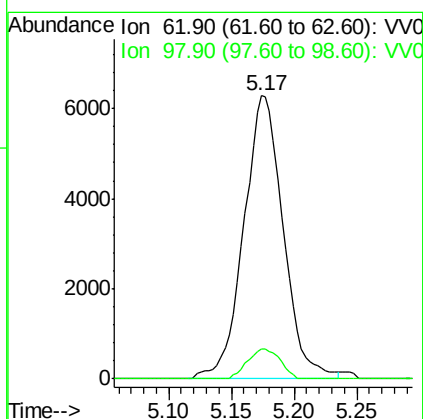
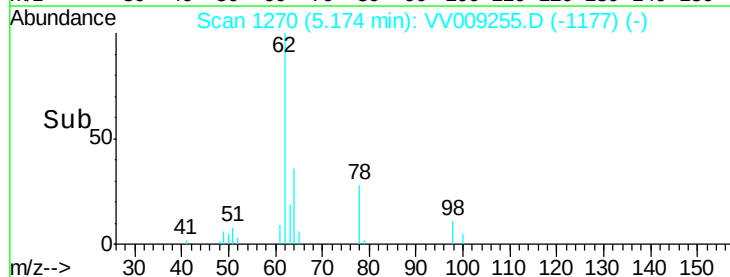
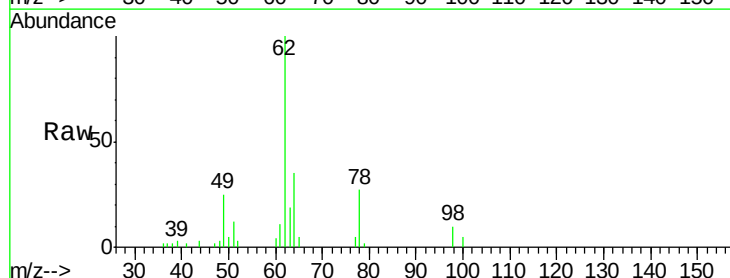
Manual Integrations
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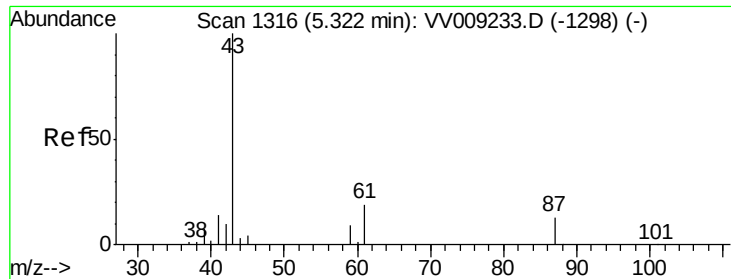
MMDadoda
1/25/2019 10:01:21 AM



#42
1,2-Dichloroethane
Concen: 9.586 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:	62	Resp:	13800
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.4





#43

Isopropyl Acetate

Concen: 11.302 ug/l

RT: 5.33 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

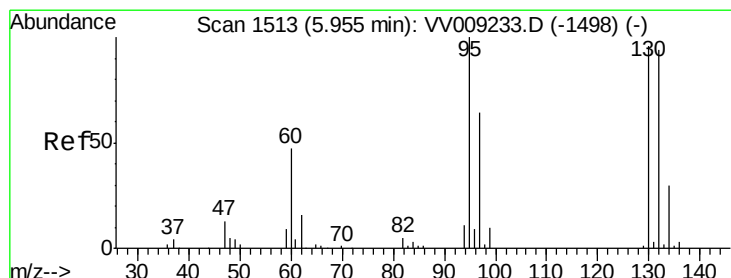
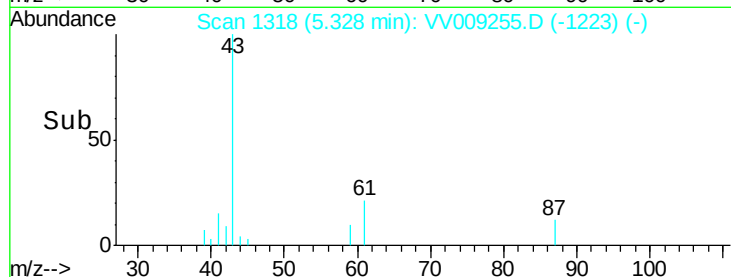
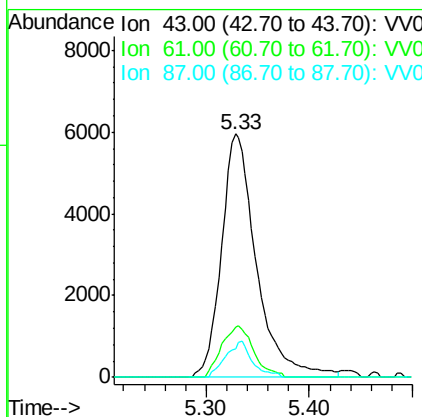
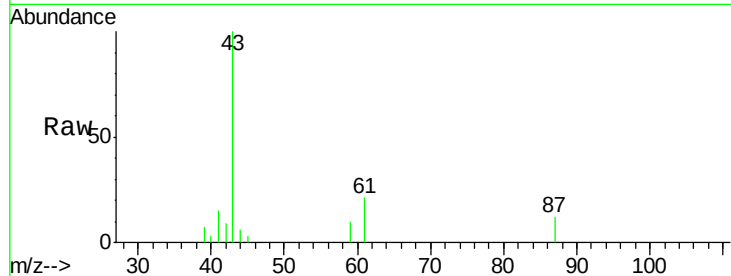
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	14051
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	11.3	9.9	14.9

Manual Integrations
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1/25/2019 10:01:21 AM



#44

Trichloroethene

Concen: 9.597 ug/l

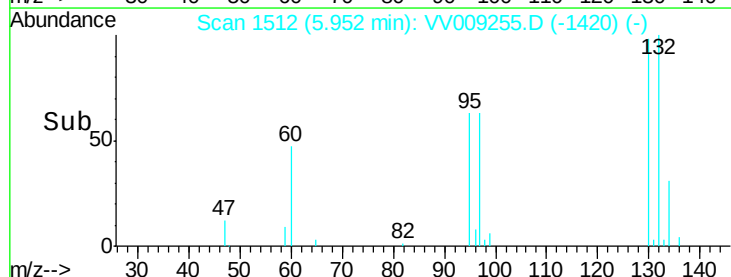
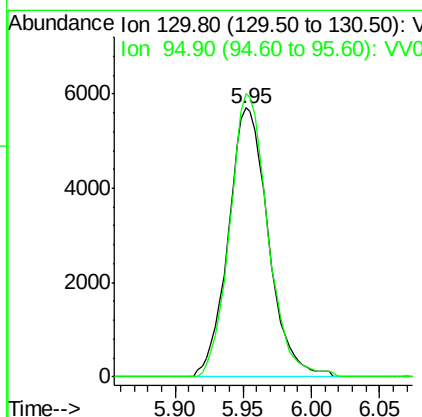
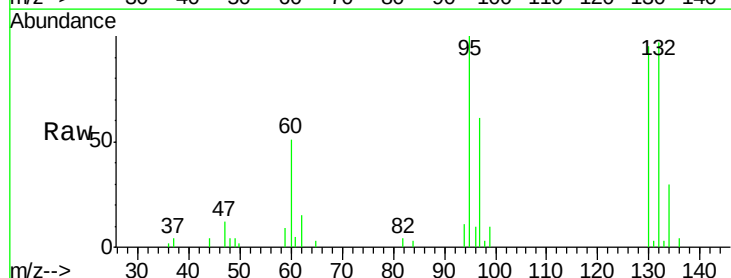
RT: 5.95 min Scan# 1512

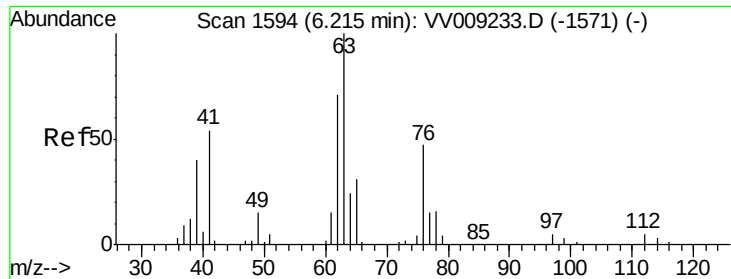
Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion:	130	Resp:	11616
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	208.2





#45

1,2-Dichloropropane

Concen: 9.850 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 10898

Ion Ratio Lower Upper

63 100

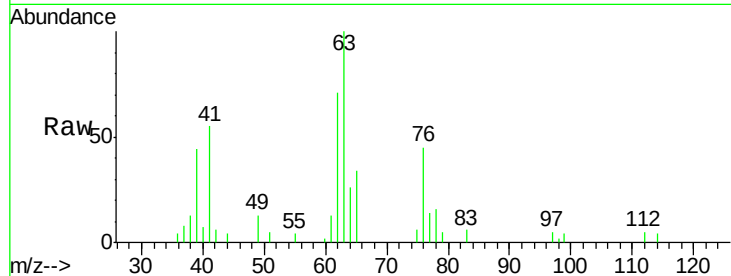
65 34.5 25.1 37.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VV009233.D (-1571) (-)

Ion 64.90 (64.60 to 65.60): VV009233.D (-1571) (-)

6.22

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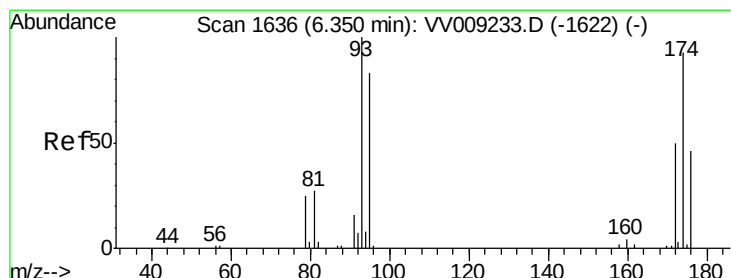
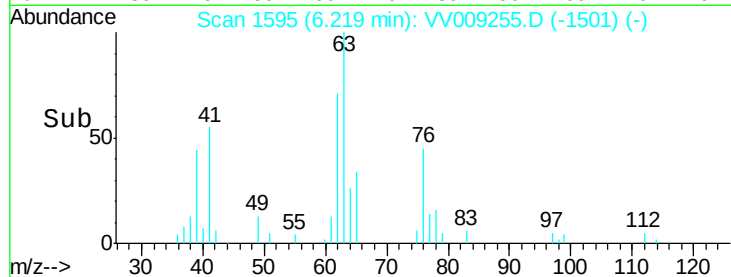
6.22

6.22

6.22

6.22

6.22



#46

Dibromomethane

Concen: 10.140 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

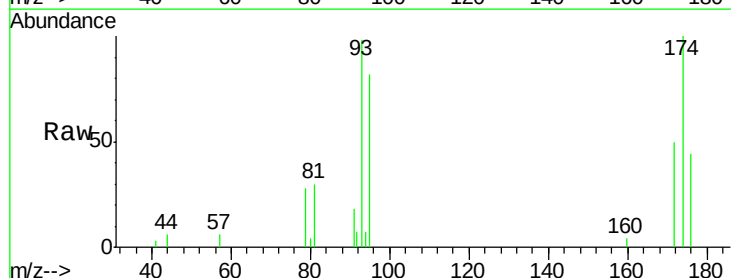
Tgt Ion: 93 Resp: 5757

Ion Ratio Lower Upper

93 100

95 85.6 64.6 97.0

174 101.5 74.0 111.0



Abundance Ion 92.80 (92.50 to 93.50): VV009233.D (-1622) (-)

Ion 94.80 (94.50 to 95.50): VV009233.D (-1622) (-)

Ion 173.70 (173.40 to 174.40): VV009233.D (-1622) (-)

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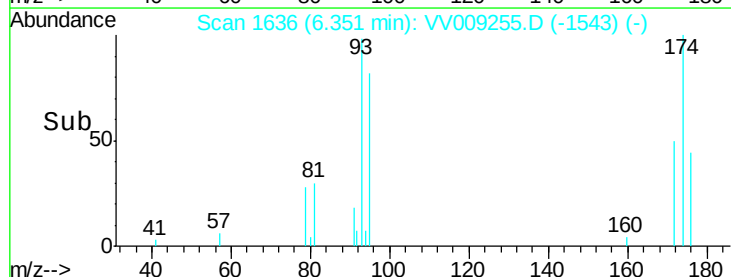
6.35

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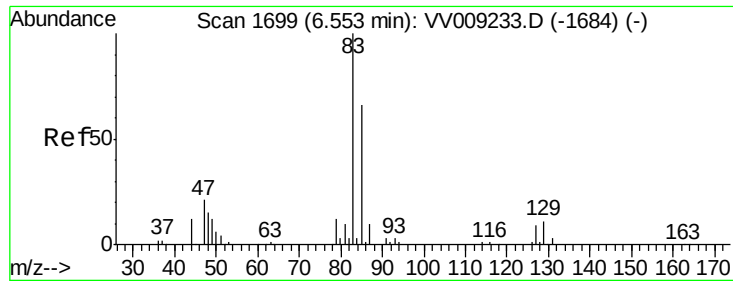
6.35

6.35

6.35

6.35

6.35



#47

Bromodichloromethane

Concen: 9.159 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

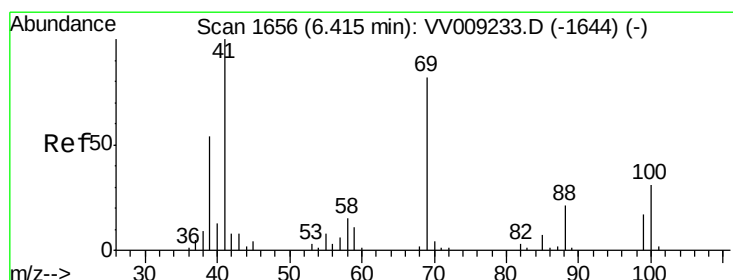
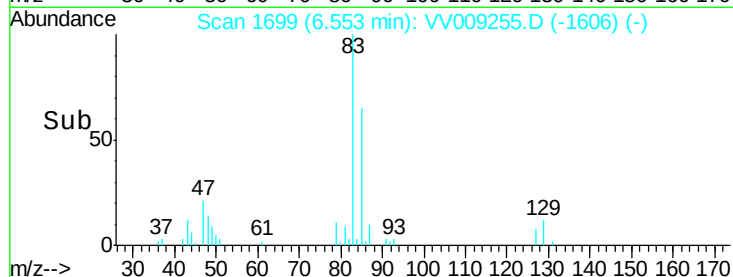
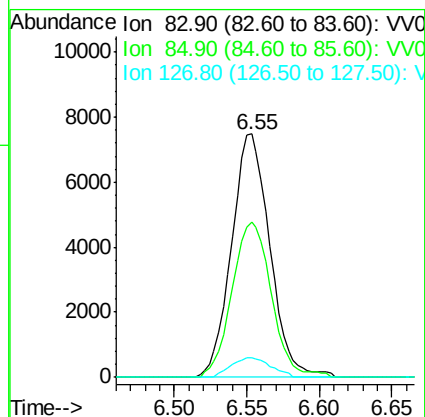
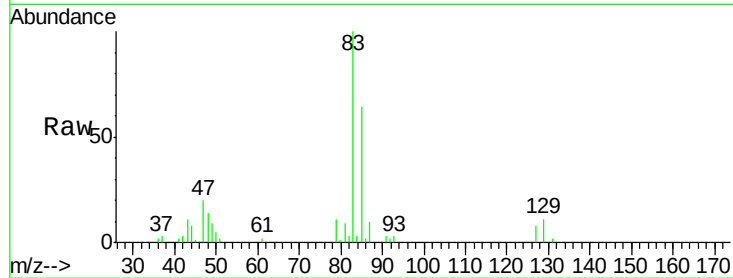
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	13741
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8
127	8.2	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.993 ug/l

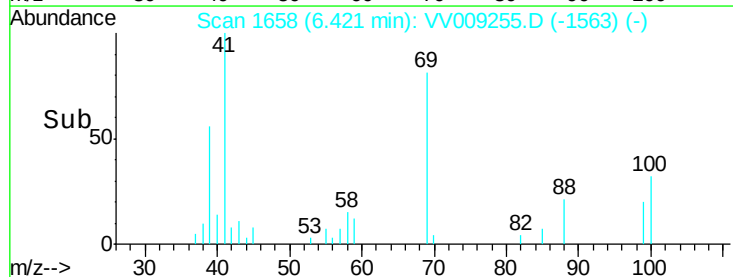
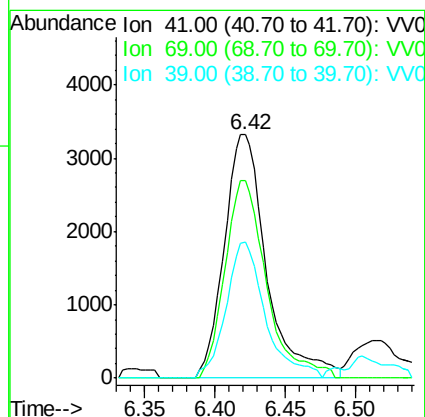
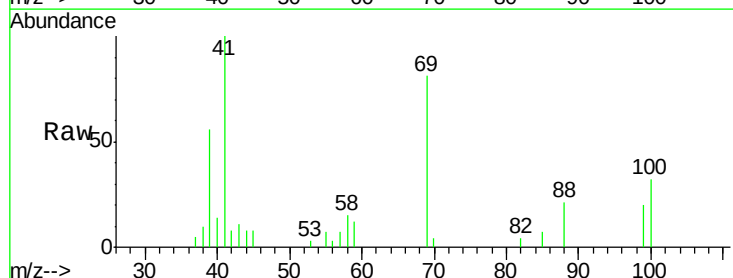
RT: 6.42 min Scan# 1658

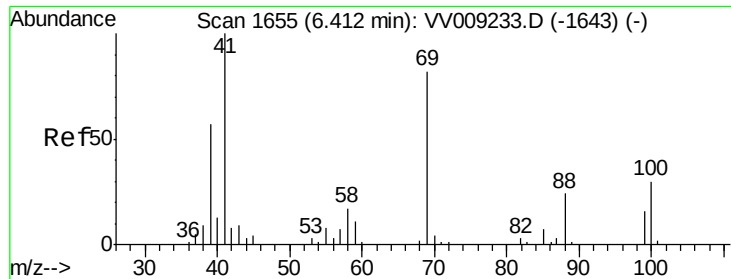
Delta R.T. 0.01 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion:	41	Resp:	6974
Ion	Ratio	Lower	Upper
41	100		
69	79.3	65.8	98.6
39	51.5	43.4	65.0





#49

1,4-Dioxane

Concen: 216.538 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

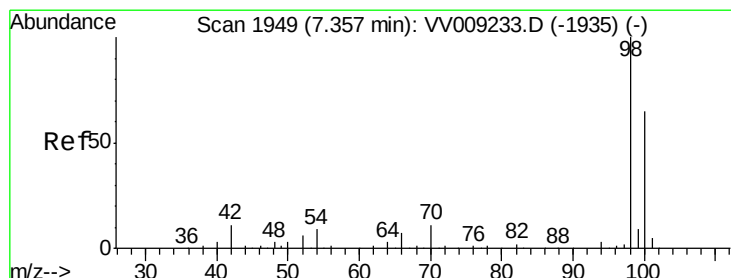
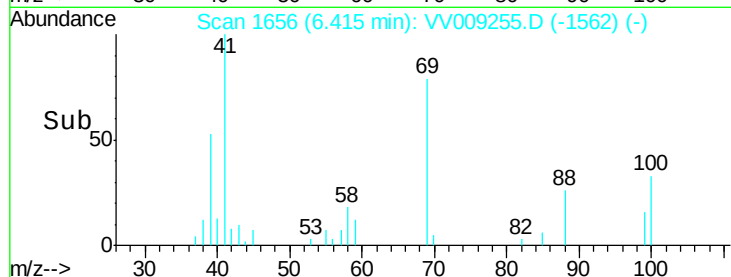
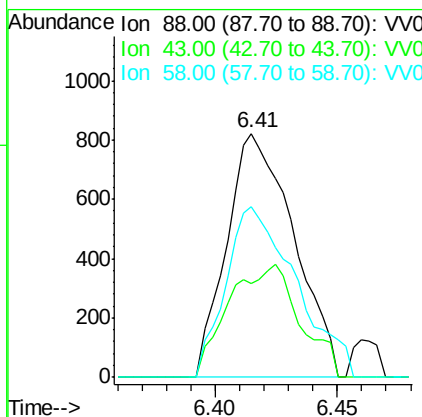
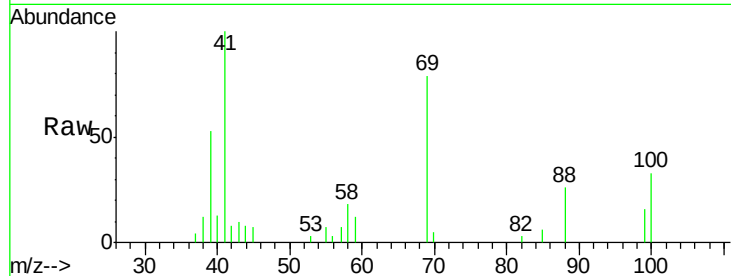
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.1	31.9	47.9#
58	73.5	62.0	93.0

Manual Integrations
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1/25/2019 10:01:21 AM



#50

Toluene-d8

Concen: 9.108 ug/l

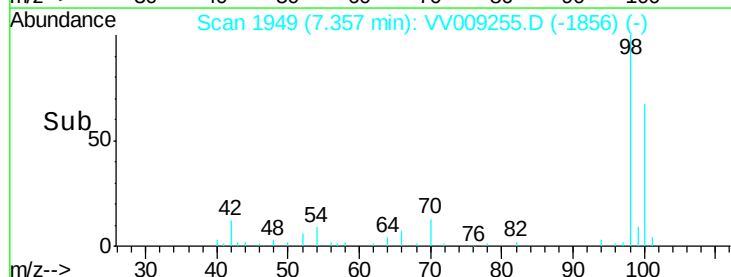
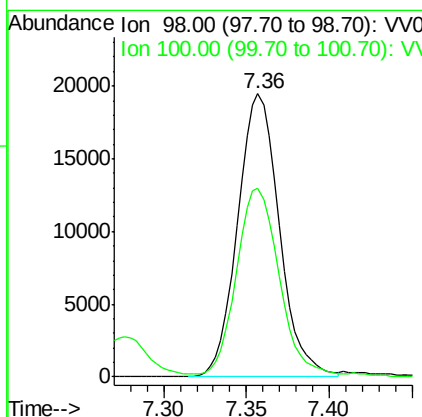
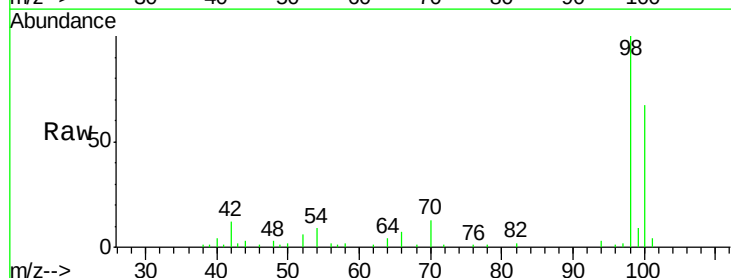
RT: 7.36 min Scan# 1949

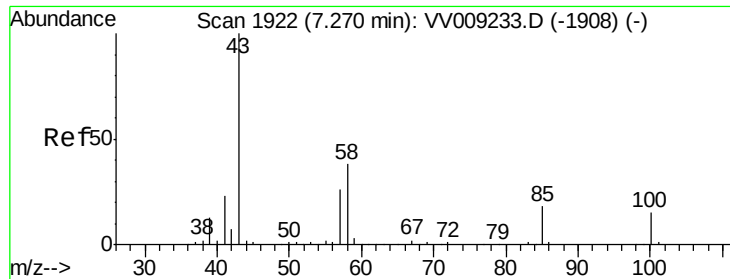
Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 57.781 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 36457

Ion Ratio Lower Upper

43 100

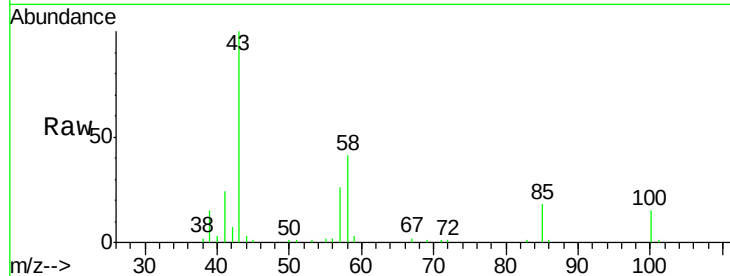
58 37.5 30.4 45.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-1908) (-)

Ion 58.00 (57.70 to 58.70): VV009233.D (-1908) (-)

7.27

20000

15000

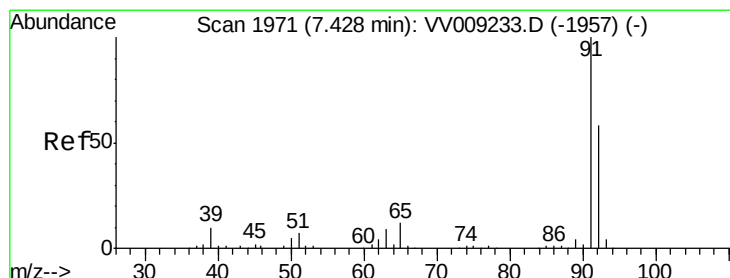
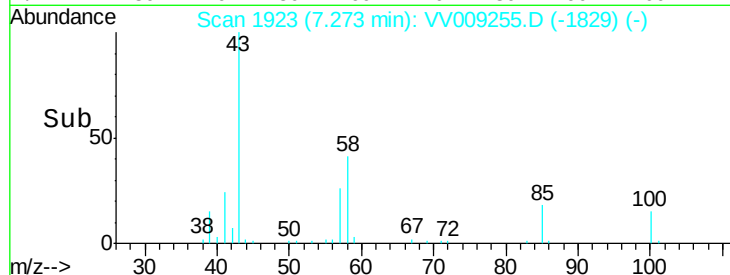
10000

5000

0

7.20 7.30 7.40

Time-->



#52

Toluene

Concen: 9.682 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009255.D

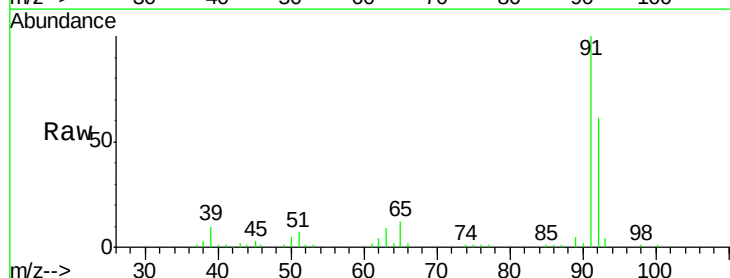
Acq: 24 Jan 2019 12:52

Tgt Ion: 92 Resp: 28173

Ion Ratio Lower Upper

92 100

91 167.6 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV009233.D (-1957) (-)

Ion 91.00 (90.70 to 91.70): VV009233.D (-1957) (-)

7.43

30000

25000

20000

15000

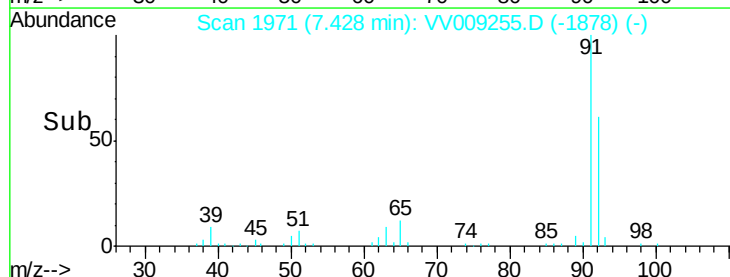
10000

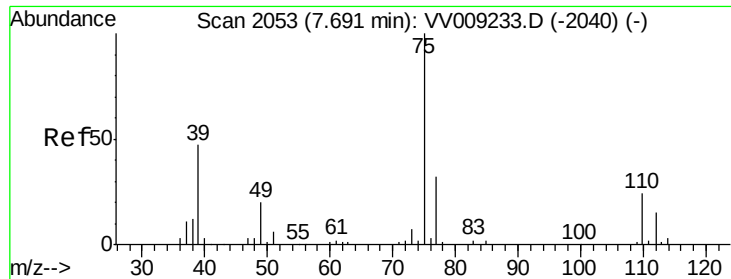
5000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#53

t-1,3-Dichloropropene

Concen: 9.237 ug/l

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tot Ion: 75 Resp: 13487

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8

Instrument :

MSVOA_V

ClientSampleId :

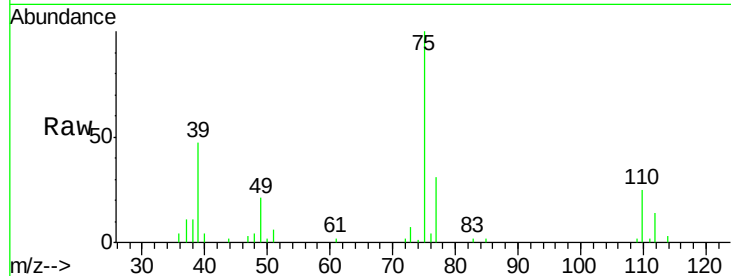
VSTDIC010

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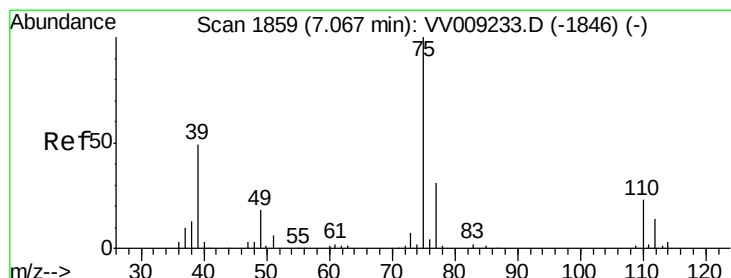
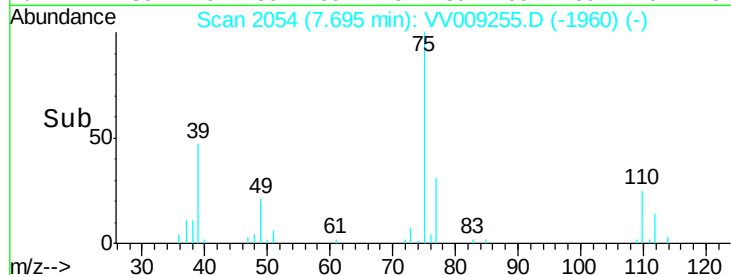
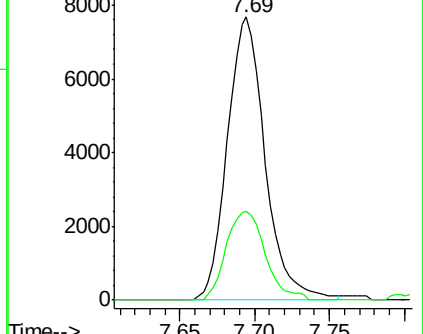
MMDadoda

1/25/2019 10:01:21 AM



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: 9.303 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

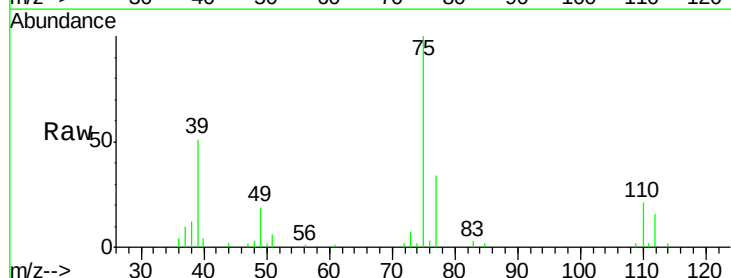
Tgt Ion: 75 Resp: 15642

Ion Ratio Lower Upper

75 100

77 33.7 25.1 37.7

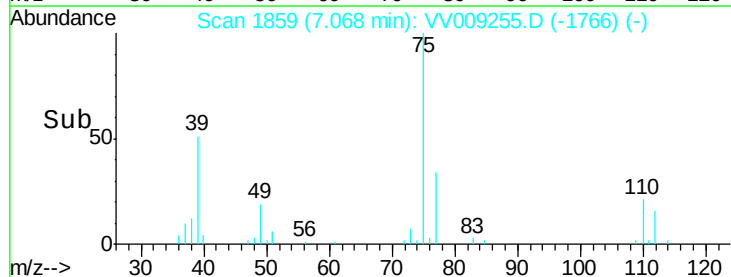
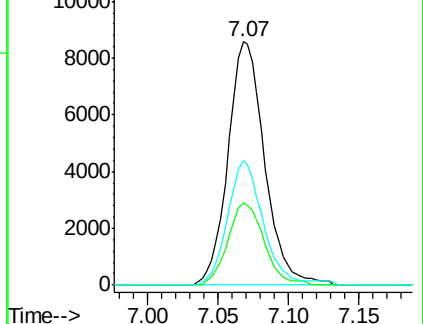
39 51.2 38.8 58.2

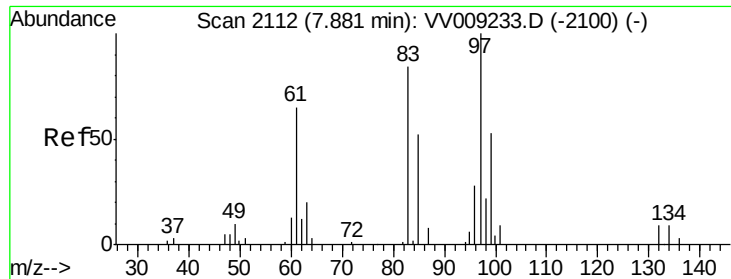


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

Ion 39.00 (38.70 to 39.70): VV0





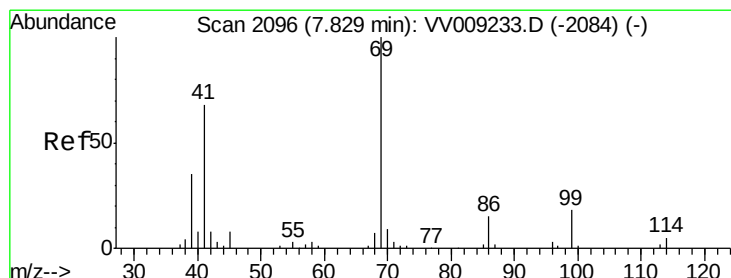
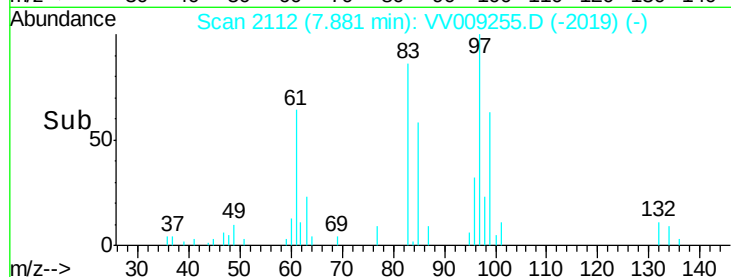
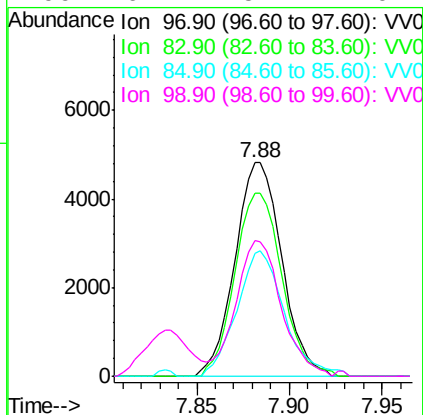
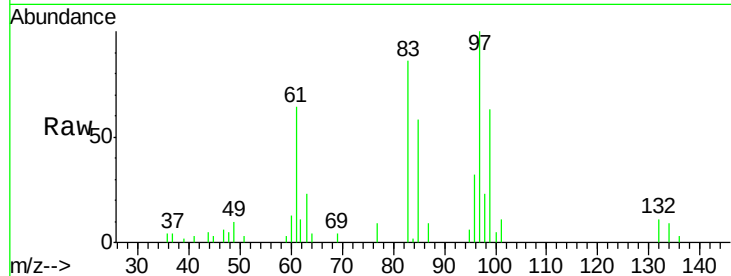
#55
1,1,2-Trichloroethane
Concen: 10.610 ug/l
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion:	97	Resp:	8487
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.4	101.0
85	57.6	42.6	64.0
99	61.2	51.1	76.7

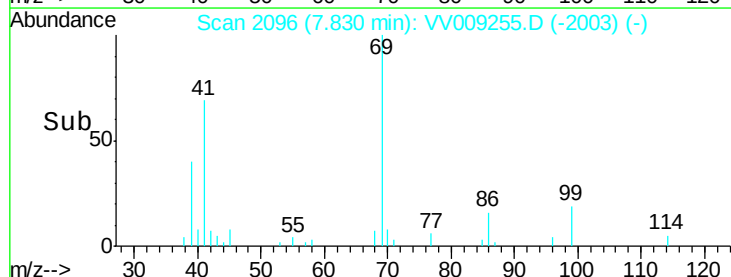
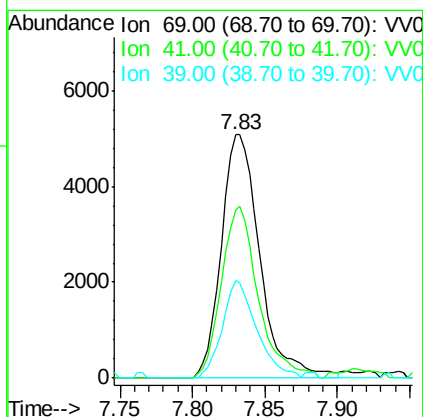
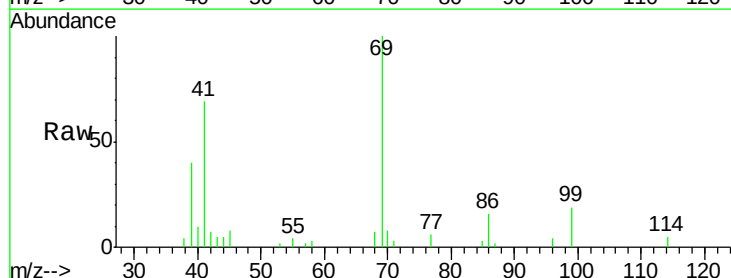
Manual Integrations
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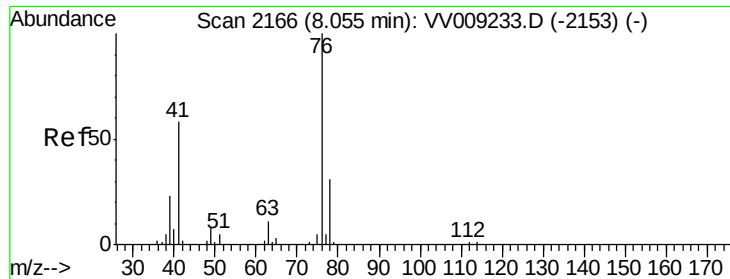
MMDadoda
1/25/2019 10:01:21 AM



#56
Ethyl methacrylate
Concen: 10.047 ug/l
RT: 7.83 min Scan# 2096
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:	69	Resp:	9363
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.0	81.0
39	35.5	26.8	40.2





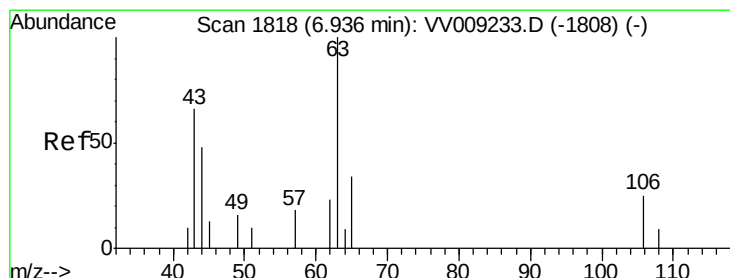
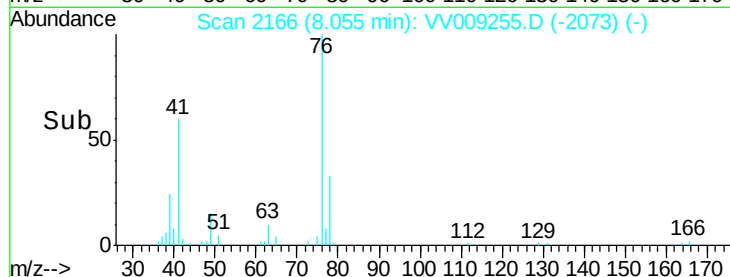
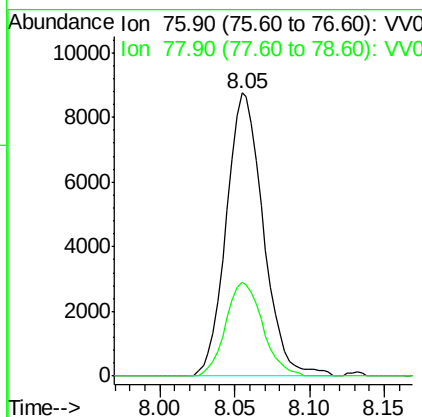
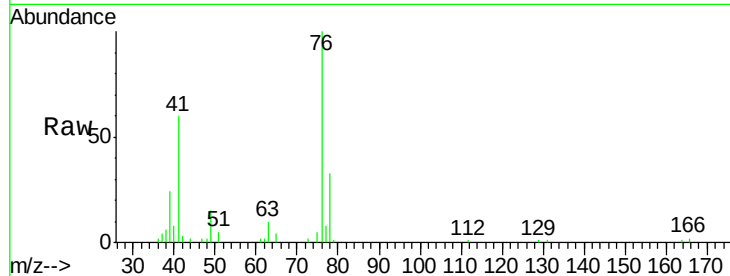
#57
 1,3-Dichloropropane
 Concen: 10.396 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 15056
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.5 38.3

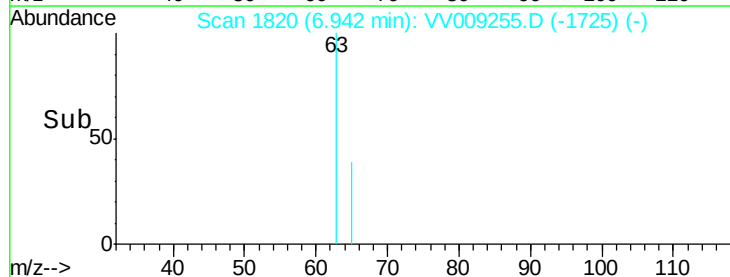
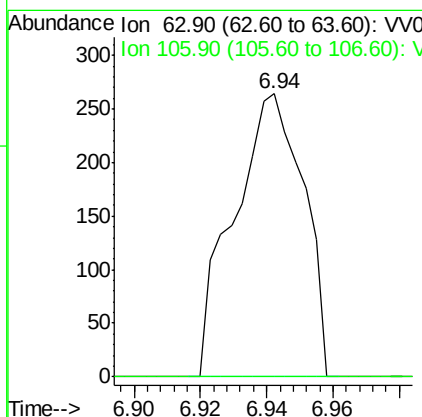
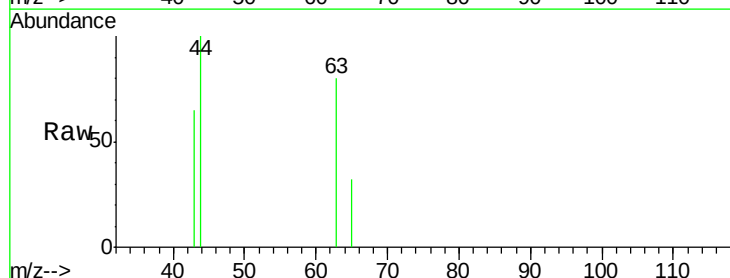
Manual Integrations
 APPROVED

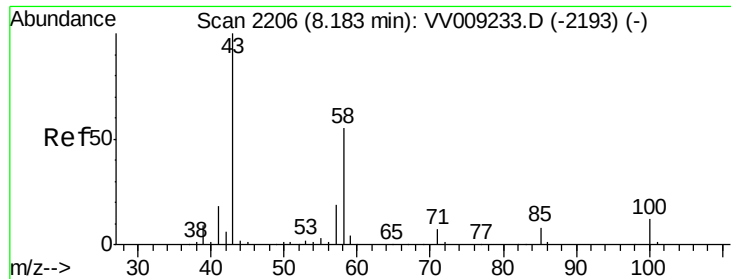
MMDadoda
 1/25/2019 10:01:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.572 ug/l
 RT: 6.94 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion: 63 Resp: 387
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.6#





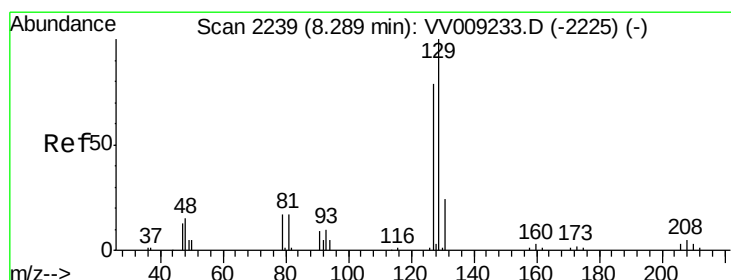
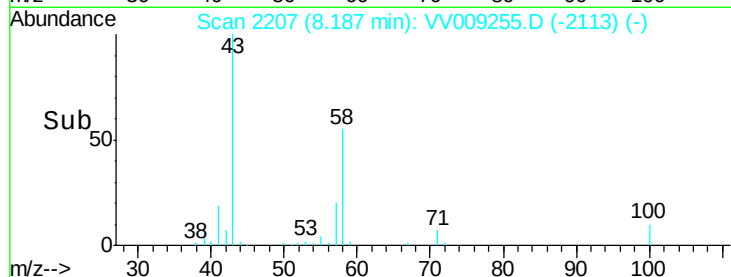
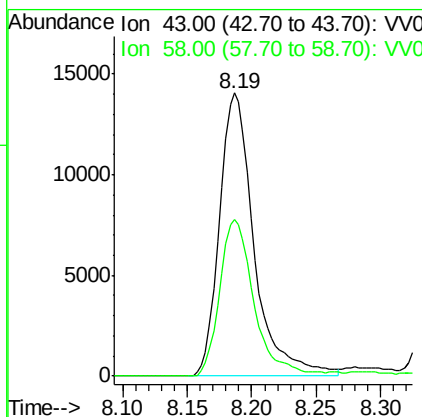
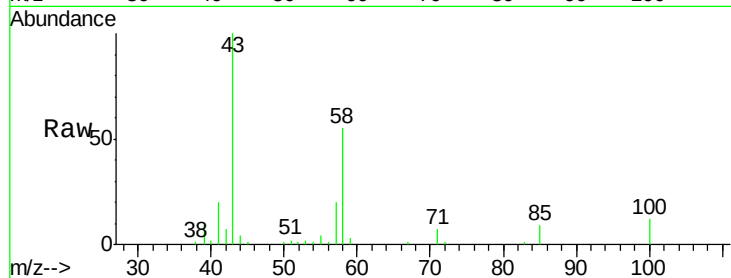
#59
2-Hexanone
Concen: 57.605 ug/l
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.5	82.5

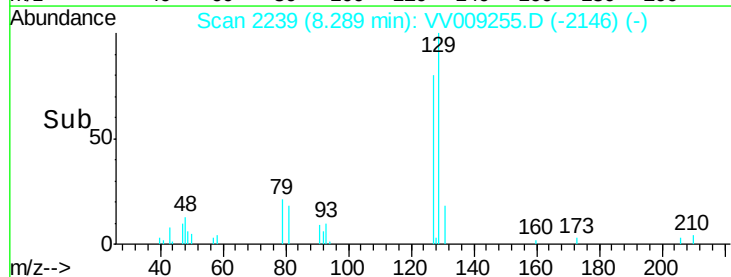
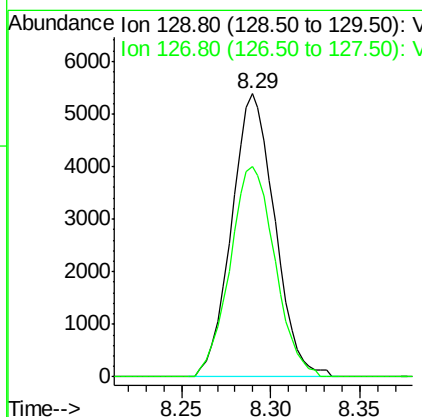
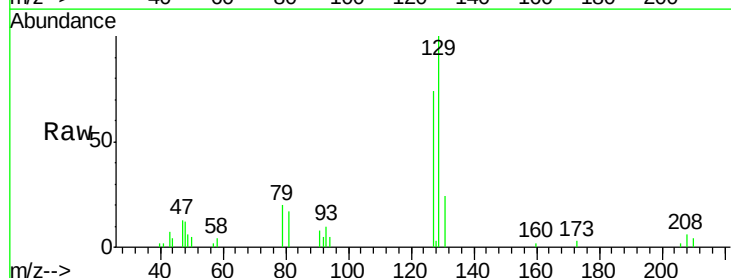
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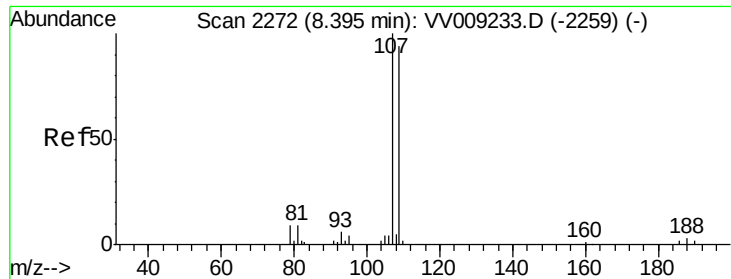
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#60
Dibromochloromethane
Concen: 9.657 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.8	116.4





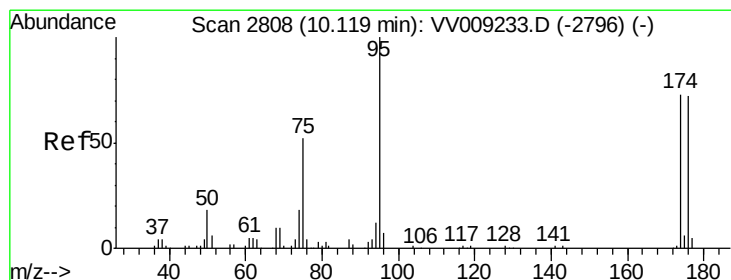
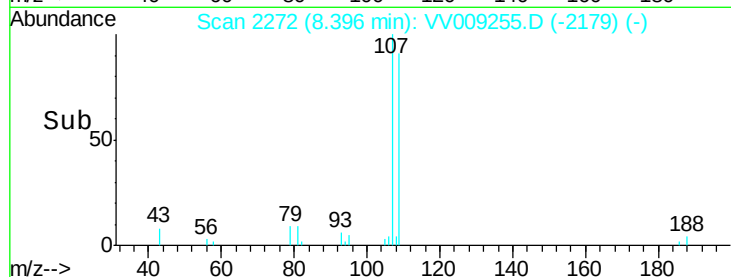
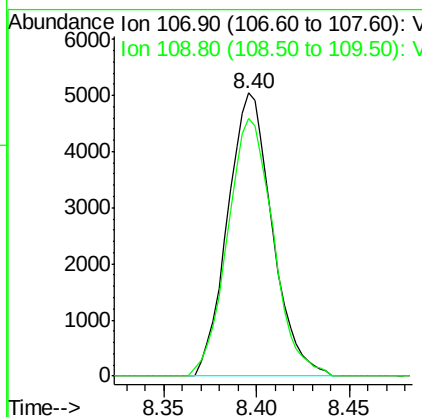
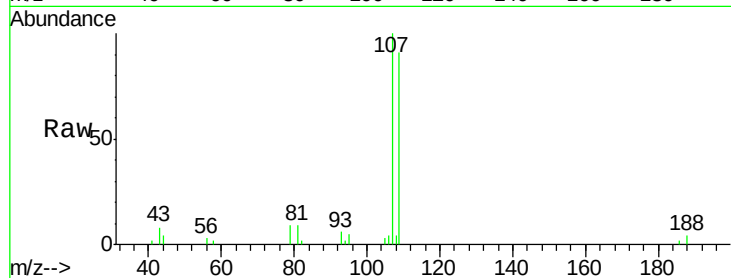
#61
 1,2-Dibromoethane
 Concen: 10.782 ug/l
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.2	114.2

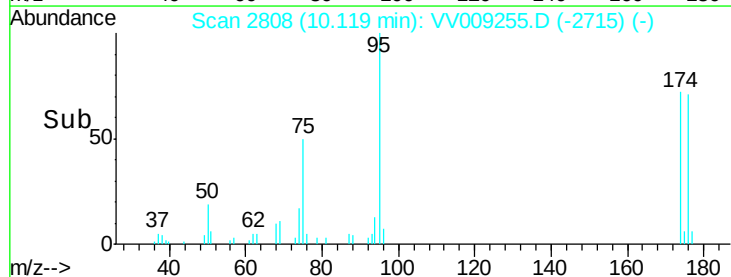
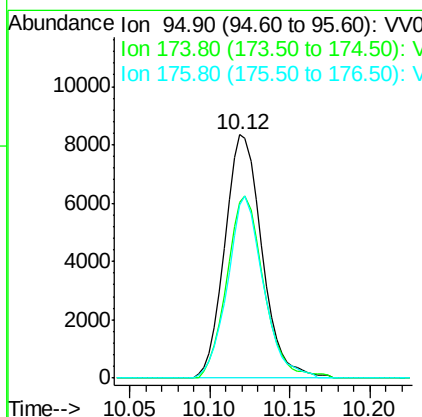
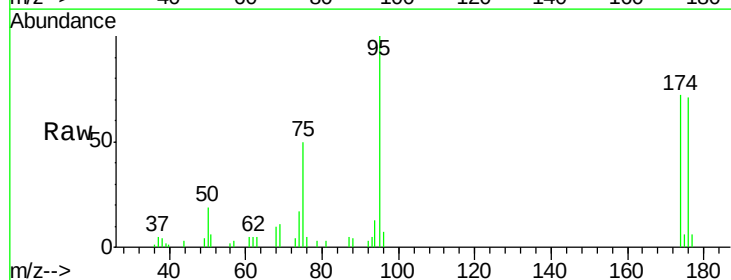
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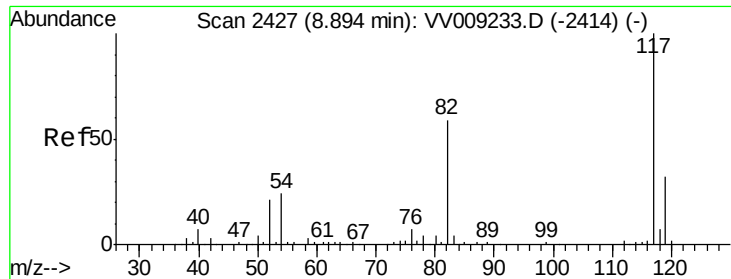
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#62
 4-Bromofluorobenzene
 Concen: 9.338 ug/l
 RT: 10.12 min Scan# 2808
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	148.2
176	71.6	0.0	143.0





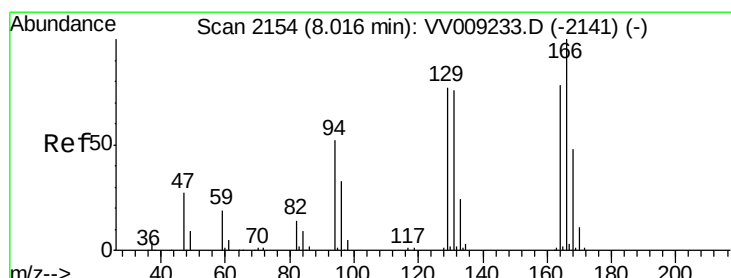
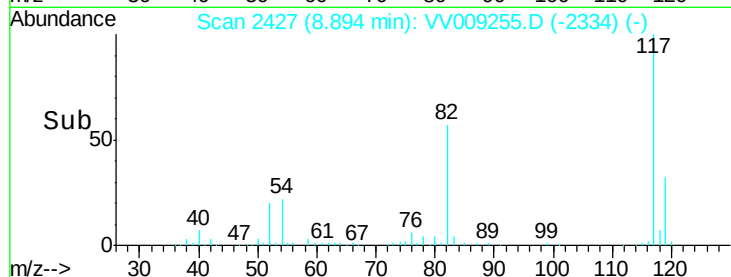
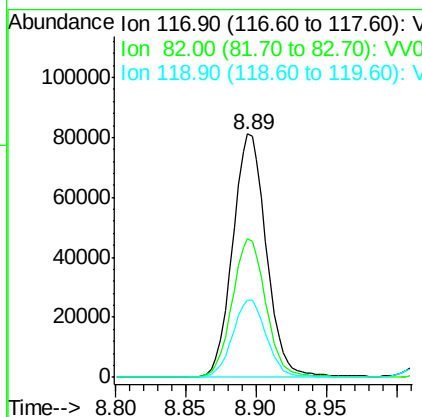
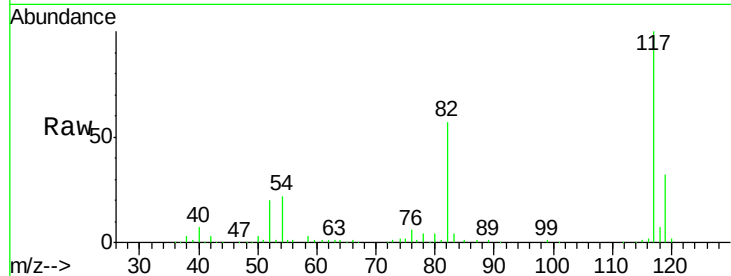
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	135725		
82	57.0	47.0	70.6	
119	31.9	25.4	38.2	

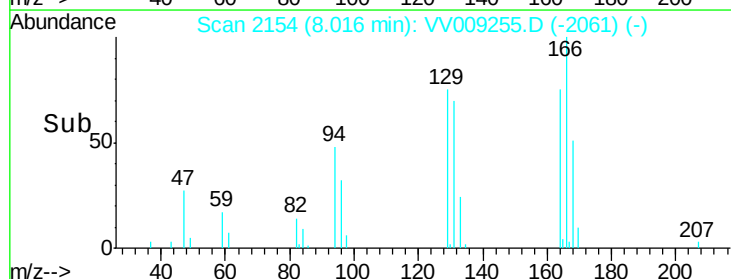
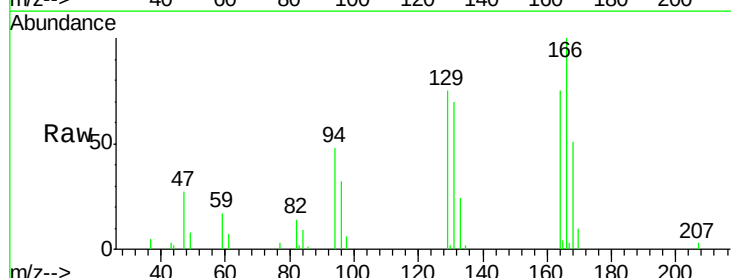
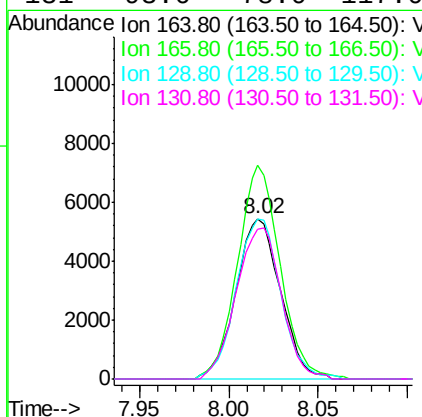
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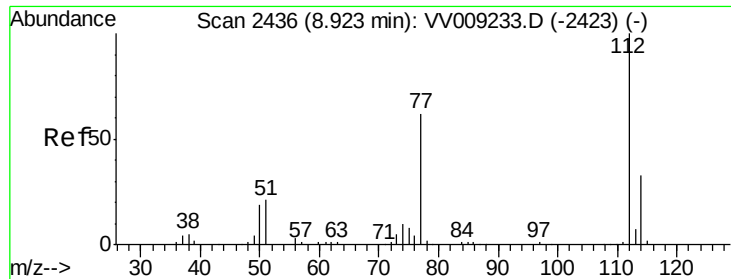
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#64
Tetrachloroethene
Concen: 9.817 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9482		
166	133.1	102.1	153.1	
129	99.5	78.1	117.1	
131	93.6	78.0	117.0	





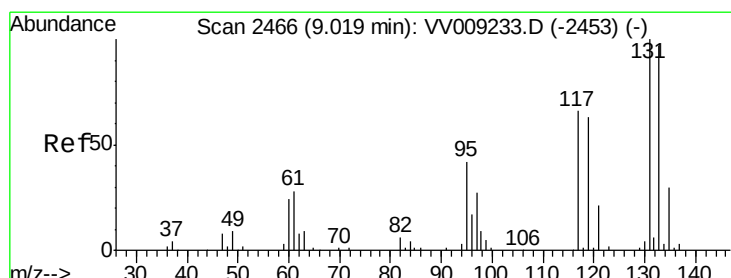
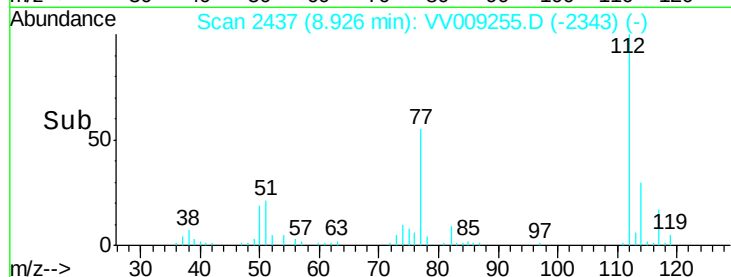
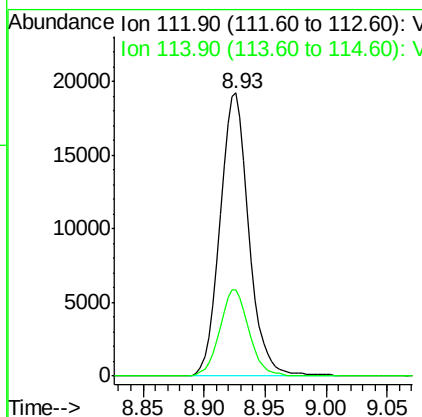
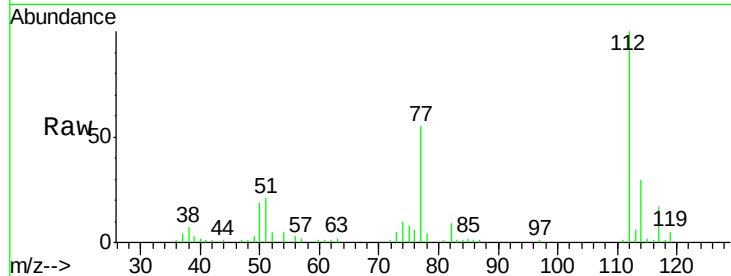
#65
Chlorobenzene
Concen: 10.135 ug/l
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 32002
Ion Ratio Lower Upper
112 100
114 30.5 26.0 39.0

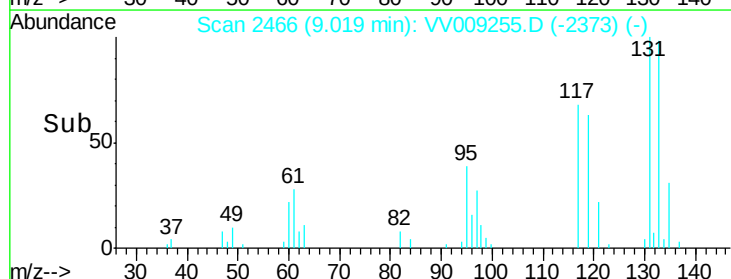
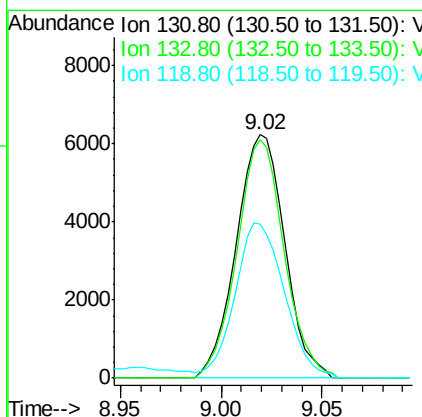
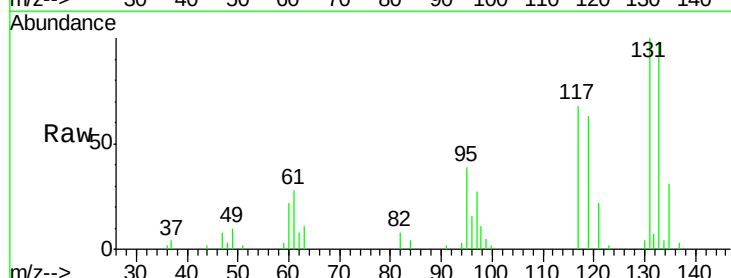
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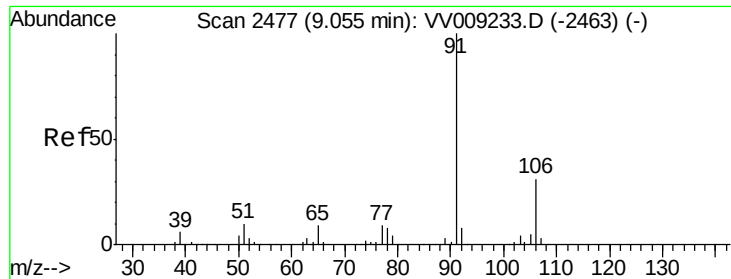
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.747 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:131 Resp: 10518
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.9
119 64.9 31.2 93.6





#67

Ethyl Benzene

Concen: 9.338 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 52531

Ion Ratio Lower Upper

91 100

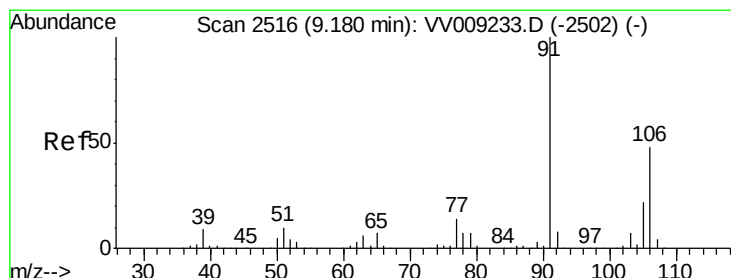
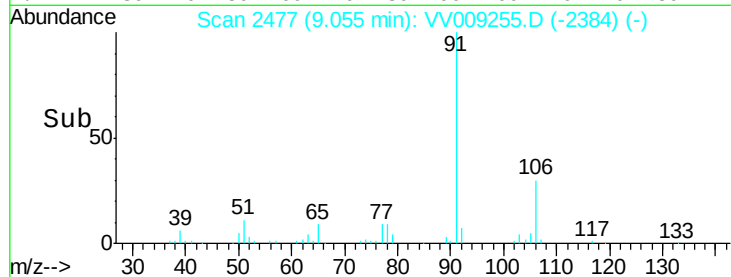
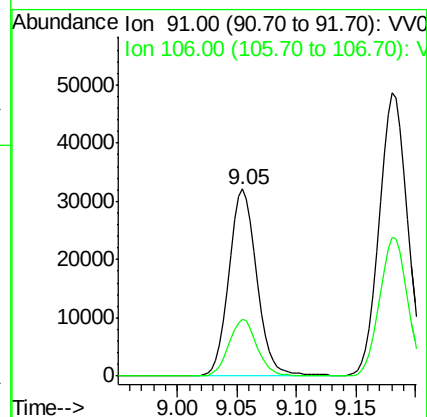
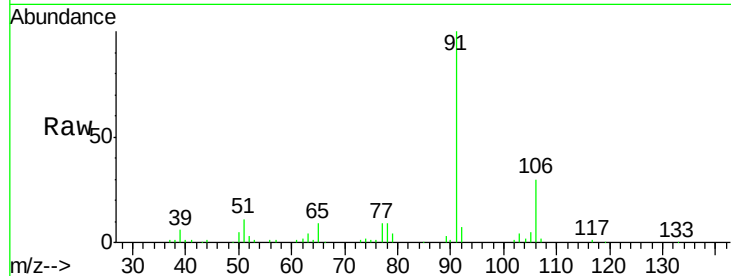
106 30.3 24.6 37.0

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#68

m/p-Xylenes

Concen: 18.744 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009255.D

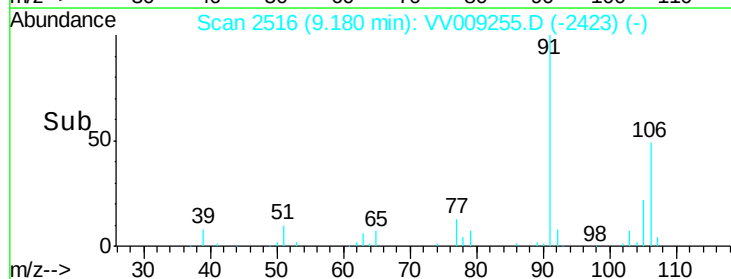
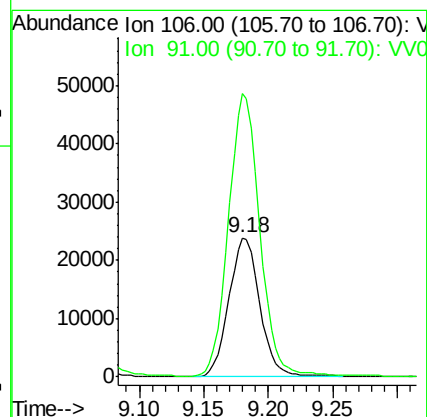
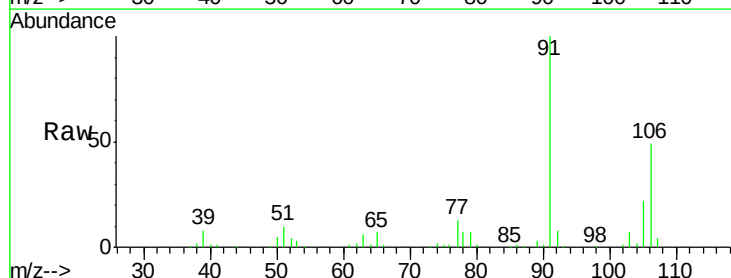
Acq: 24 Jan 2019 12:52

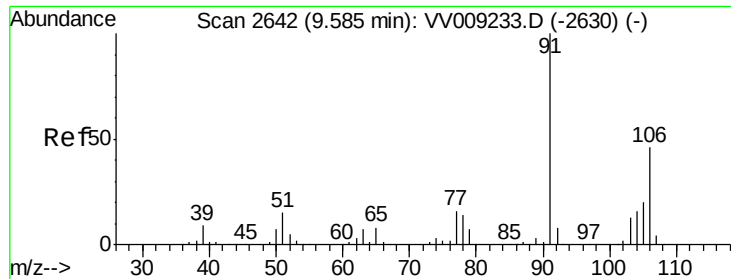
Tgt Ion: 106 Resp: 40030

Ion Ratio Lower Upper

106 100

91 203.7 167.1 250.7





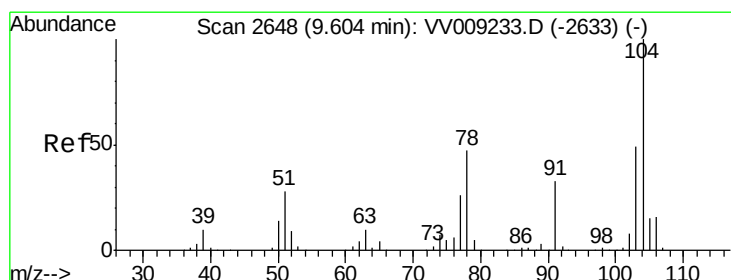
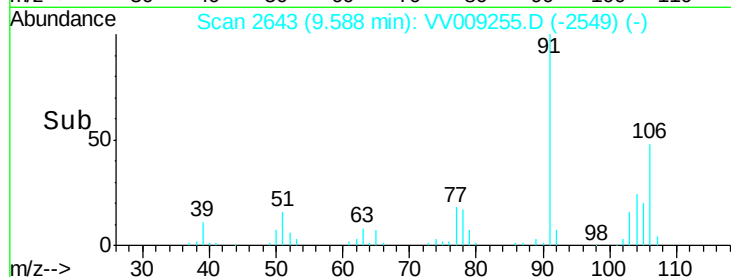
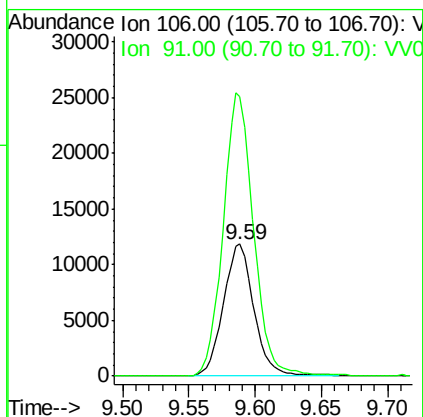
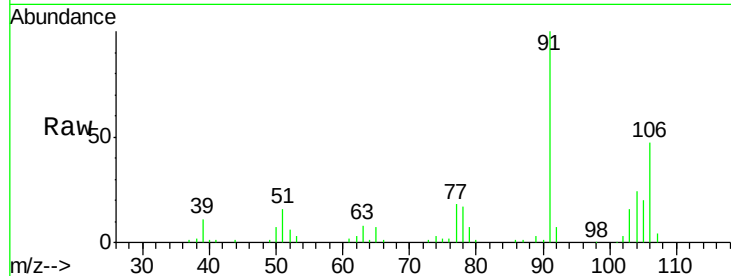
#69
o-Xylene
Concen: 9.613 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 19034
Ion Ratio Lower Upper
106 100
91 212.0 109.3 327.8

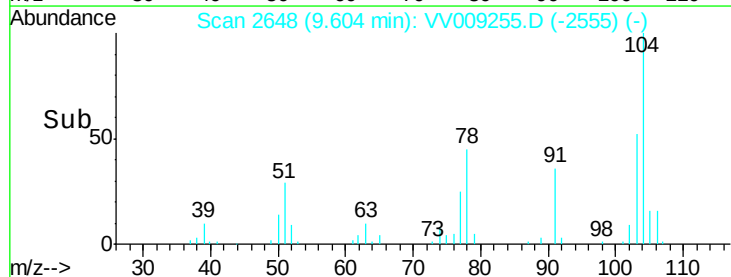
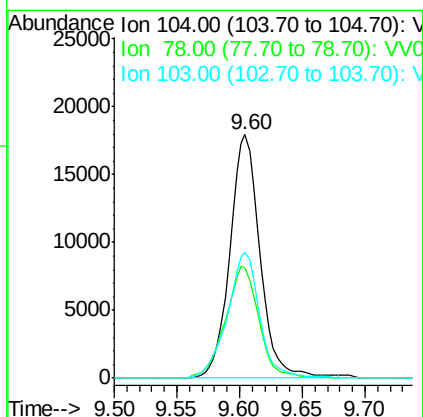
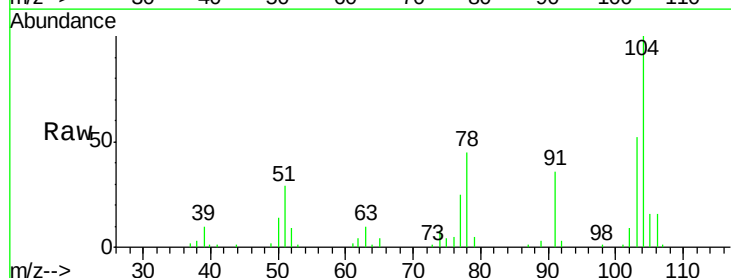
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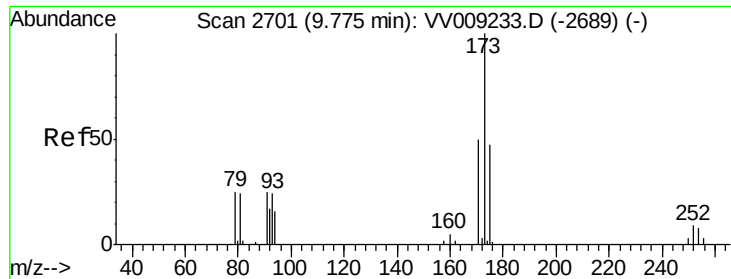
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#70
Styrene
Concen: 9.484 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion:104 Resp: 29968
Ion Ratio Lower Upper
104 100
78 50.5 43.1 64.7
103 55.1 43.8 65.8





#71

Bromoform

Concen: 10.110 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

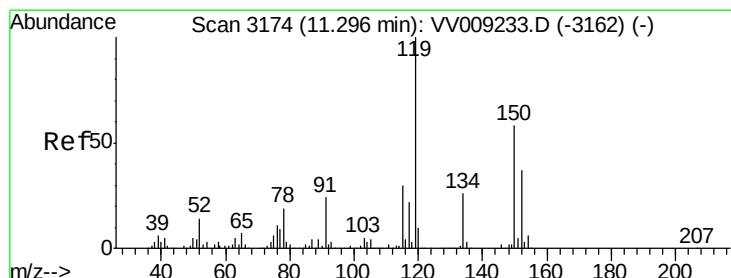
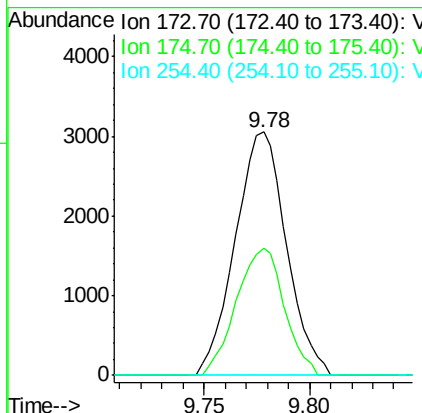
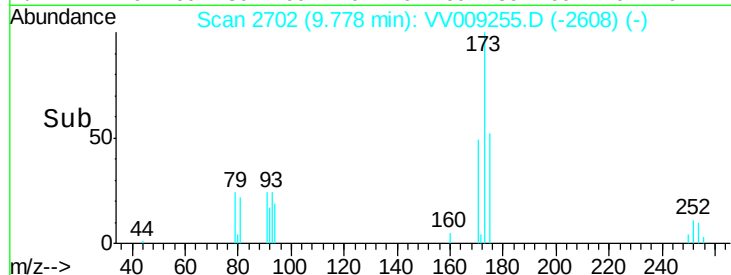
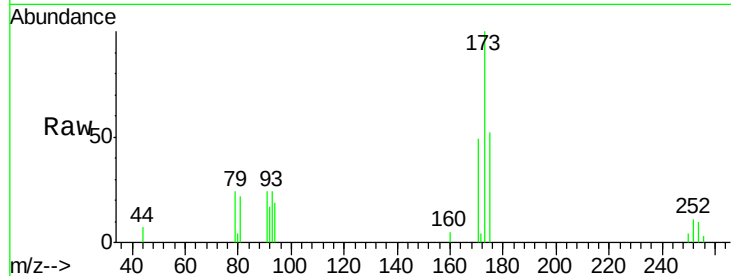
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.4	70.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

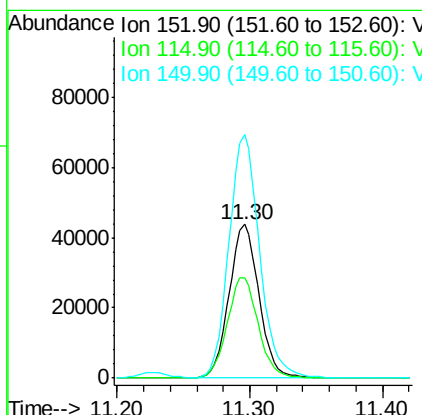
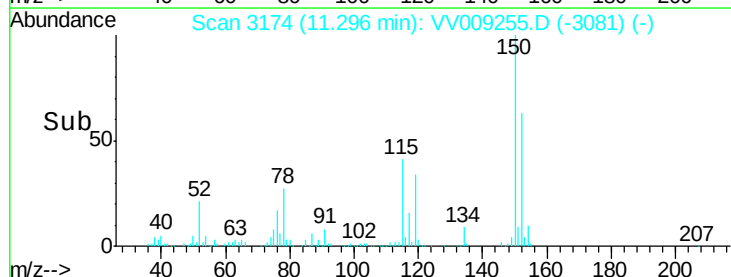
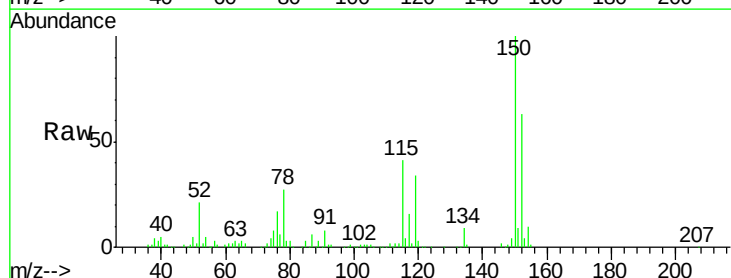
RT: 11.30 min Scan# 3174

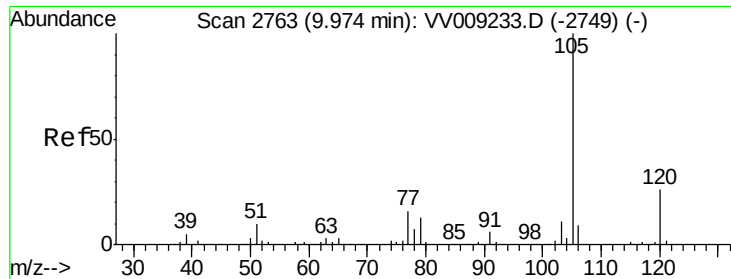
Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.6	45.0	134.8
150	162.4	0.0	346.4





#73

Isopropylbenzene

Concen: 8.994 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 50991

Ion Ratio Lower Upper

105 100

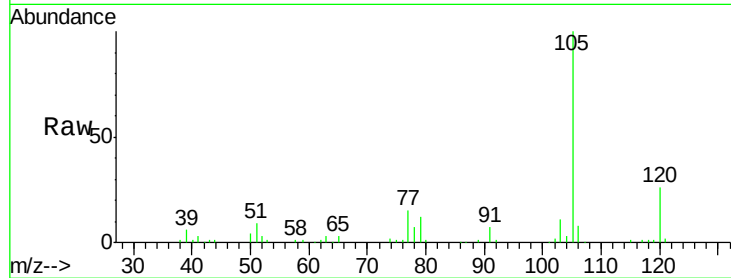
120 25.9 12.9 38.7

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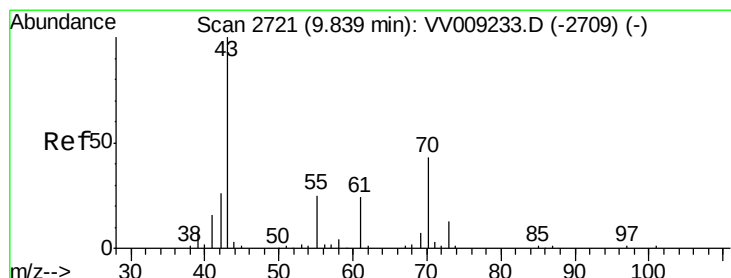
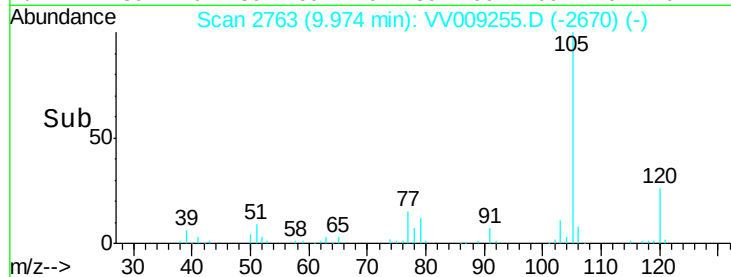
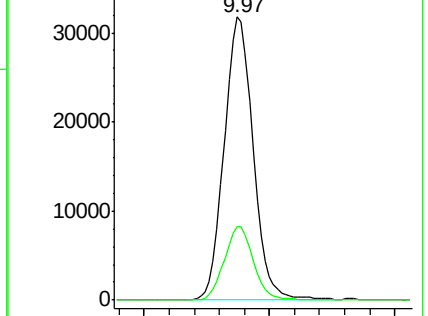
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.851 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion: 43 Resp: 11377

Ion Ratio Lower Upper

43 100

70 40.2 33.0 49.6

55 25.2 18.7 28.1

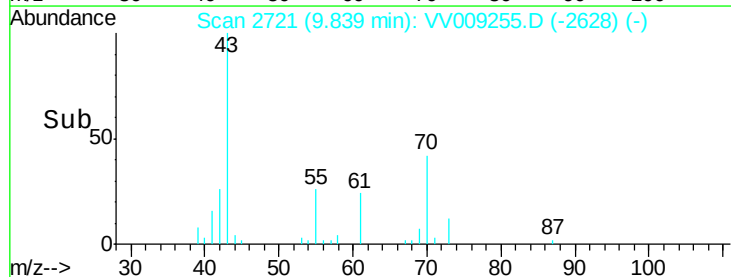
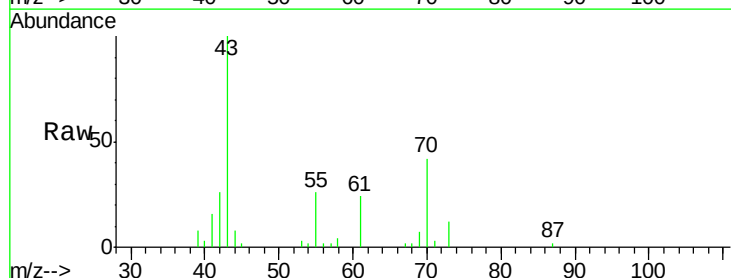
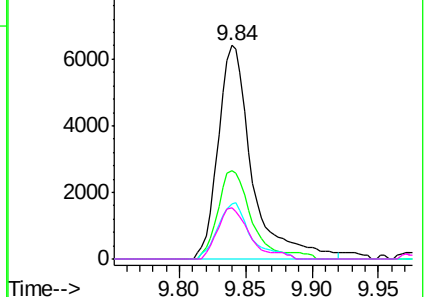
61 23.0 18.0 27.0

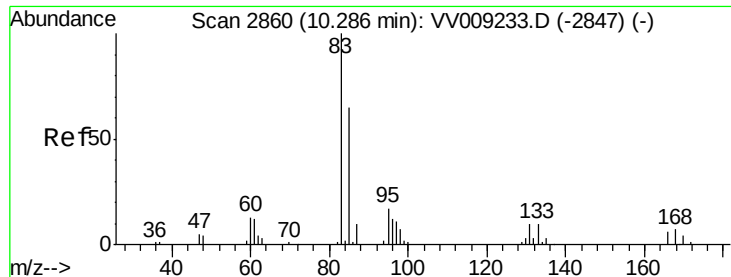
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.013 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

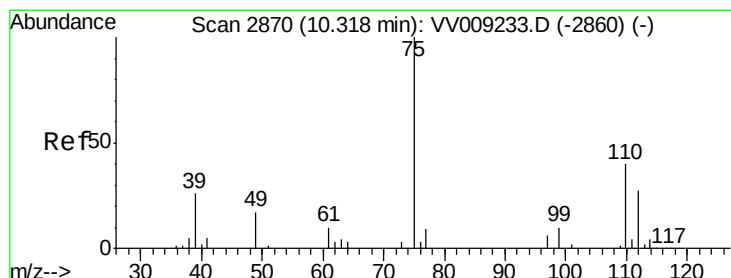
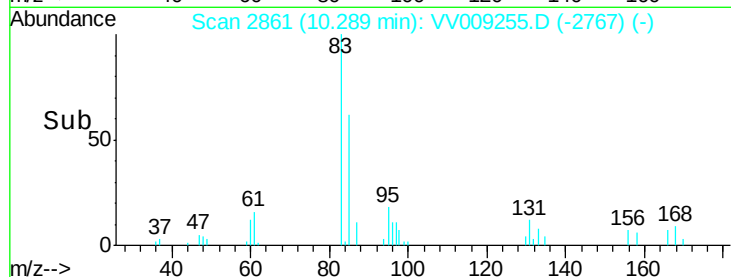
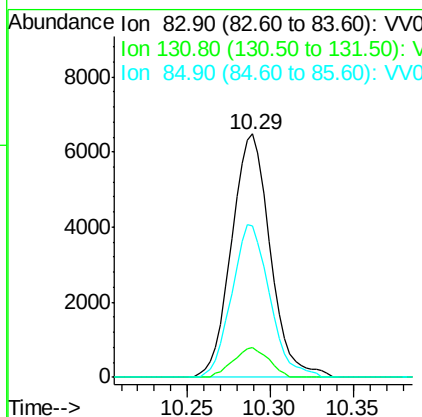
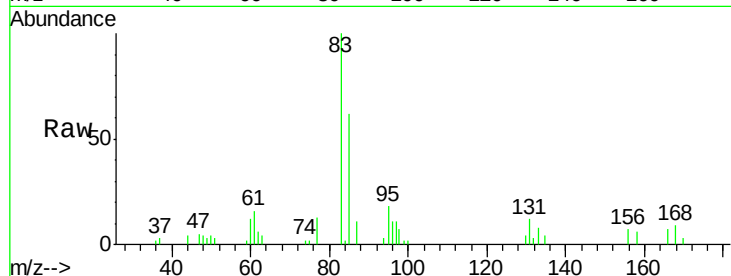
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	10527
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.1	15.3
85	61.4	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 11.119 ug/l m

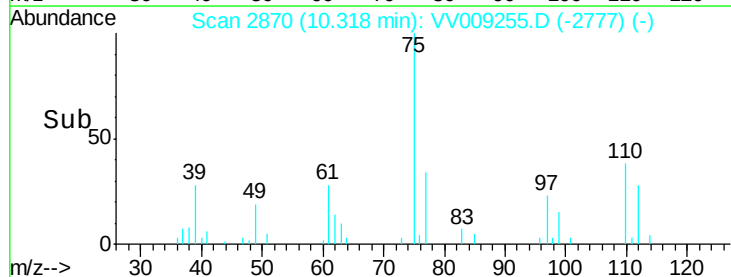
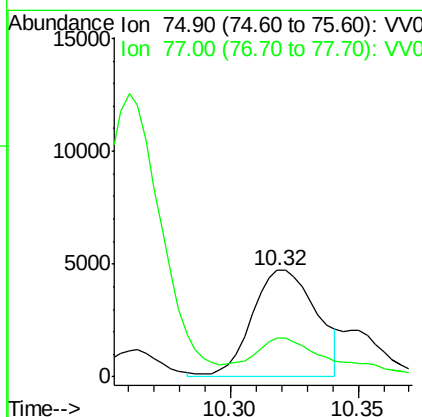
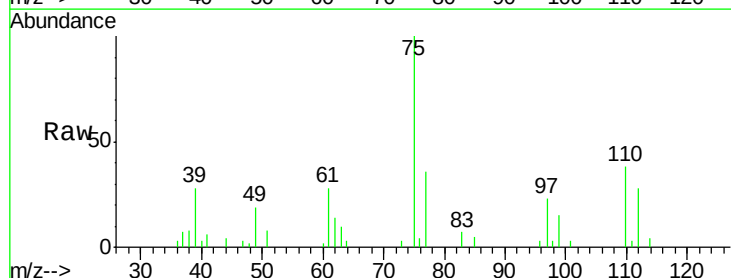
RT: 10.32 min Scan# 2870

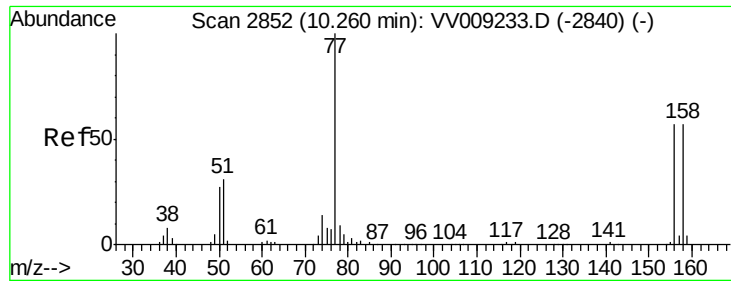
Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion:	75	Resp:	8358
Ion Ratio	Lower	Upper	
75	100		
77	44.7	24.6	73.8





#77

Bromobenzene

Concen: 10.101 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

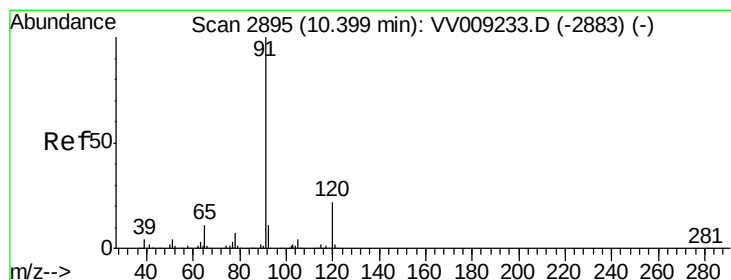
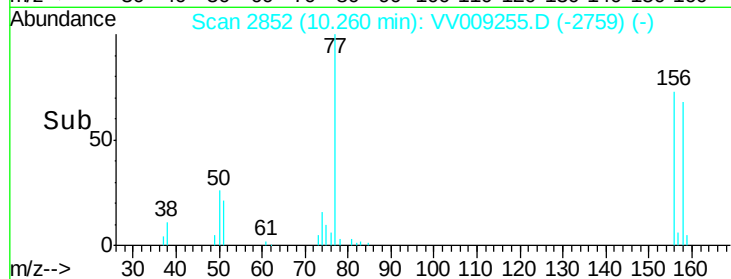
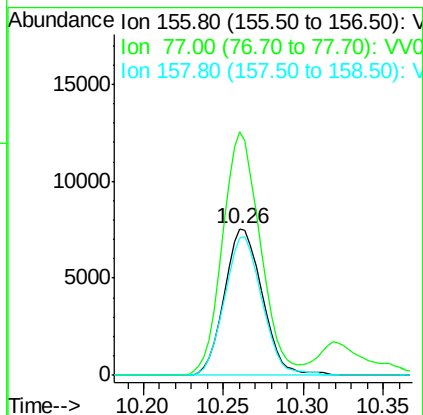
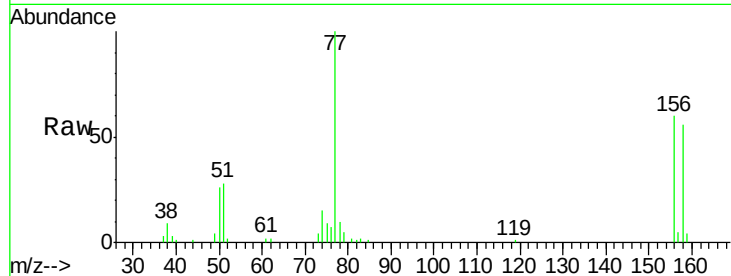
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	12250
Ion Ratio	Lower	Upper	
156	100		
77	164.7	86.0	258.0
158	93.2	49.8	149.3

Manual Integrations
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#78

n-propylbenzene

Concen: 9.020 ug/l

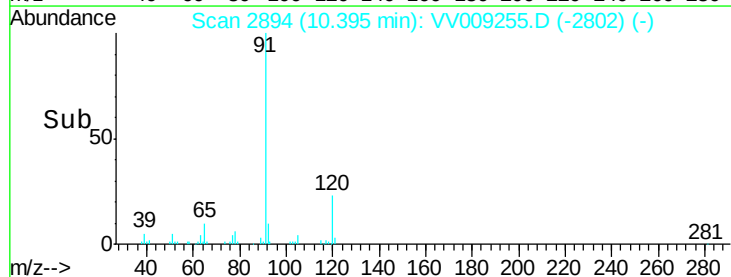
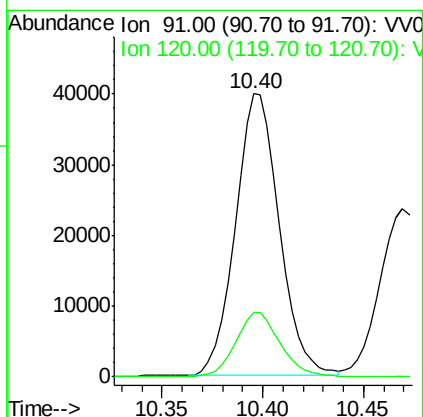
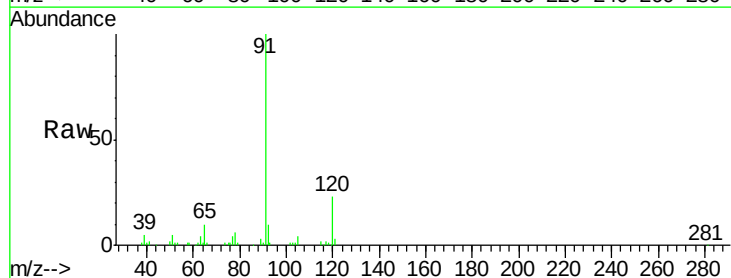
RT: 10.40 min Scan# 2894

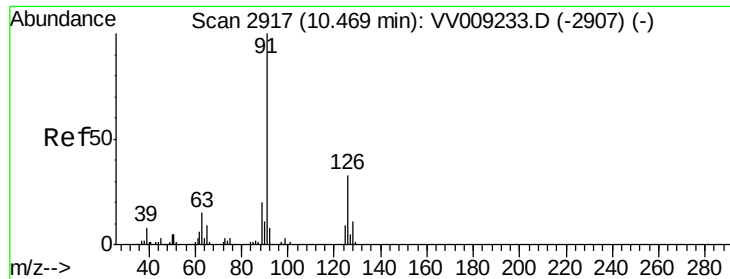
Delta R.T. -0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Tgt Ion:	91	Resp:	60628
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.4





#79

2-Chlorotoluene

Concen: 9.343 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009255.D

Acq: 24 Jan 2019 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 37891

Ion Ratio Lower Upper

91 100

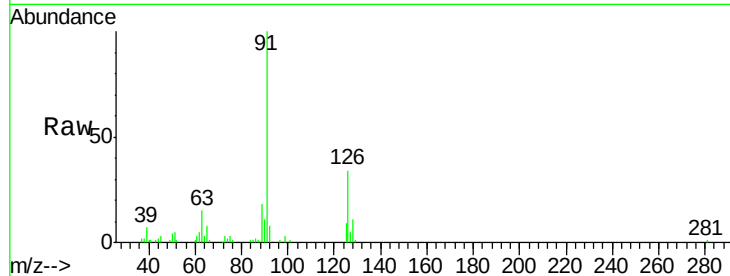
126 32.9 16.2 48.6

Manual Integrations

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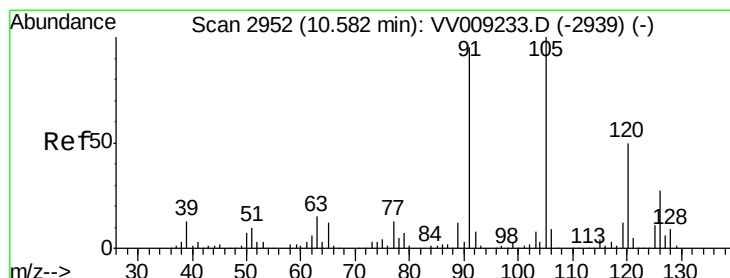
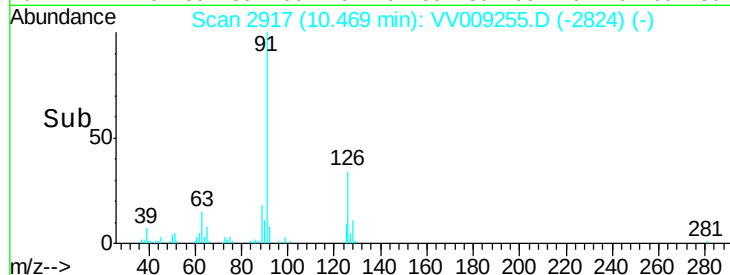
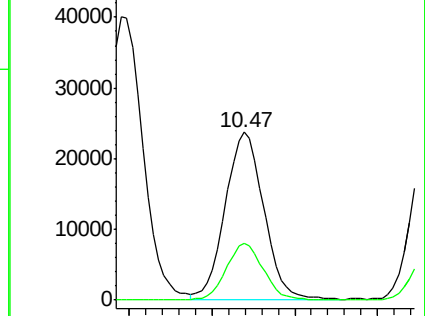
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Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2907) (-)

Ion 125.90 (125.60 to 126.60): VV009233.D (-2907) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.033 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009255.D

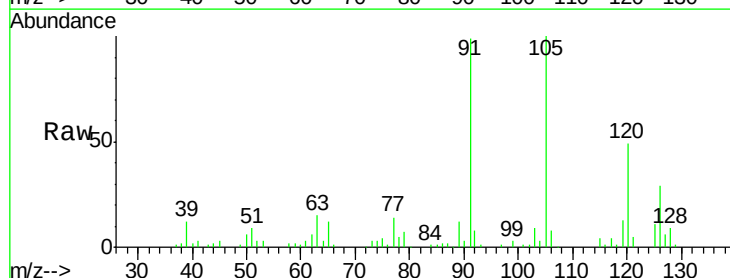
Acq: 24 Jan 2019 12:52

Tgt Ion: 105 Resp: 42951

Ion Ratio Lower Upper

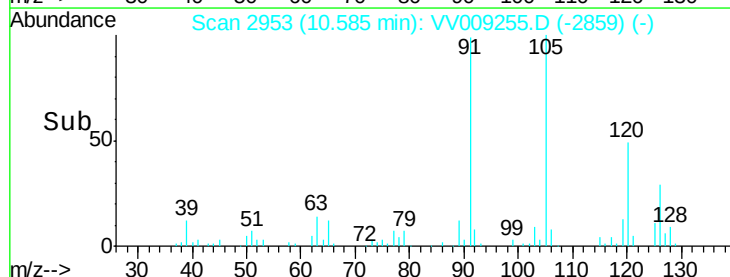
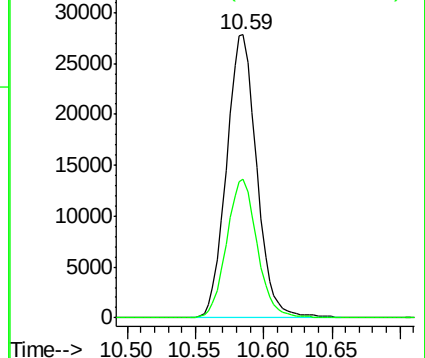
105 100

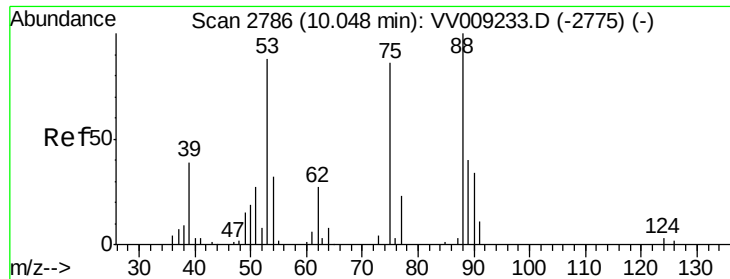
120 49.4 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VV009233.D (-2939) (-)

Ion 120.00 (119.70 to 120.70): VV009233.D (-2939) (-)





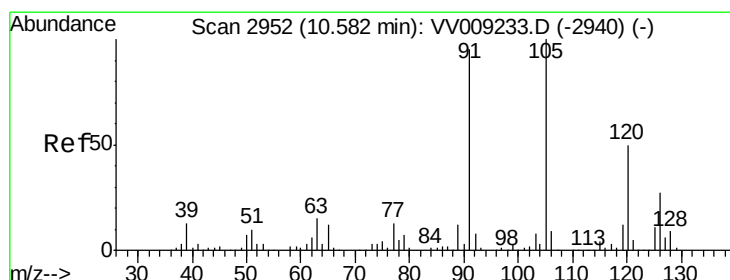
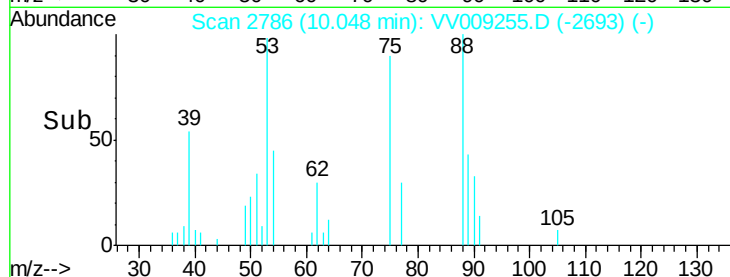
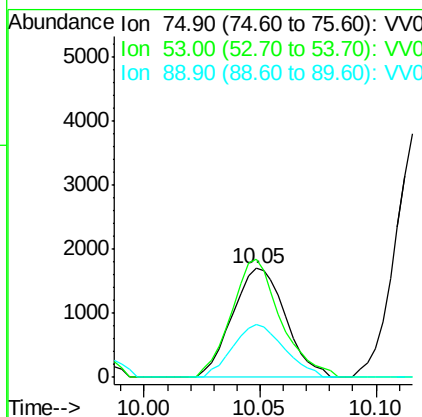
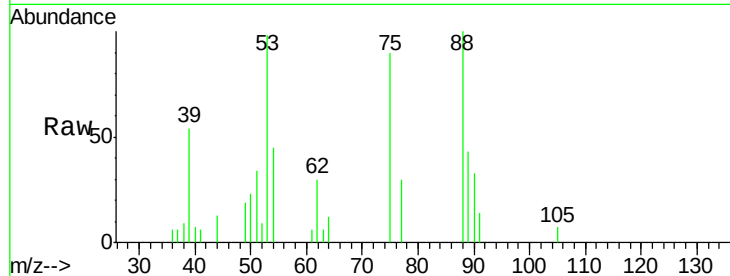
#81
trans-1,4-Dichloro-2-butene
Concen: 10.195 ug/l
RT: 10.05 min Scan# 2786
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 2708
Ion Ratio Lower Upper
75 100
53 101.0 82.1 123.1
89 46.9 36.2 54.4

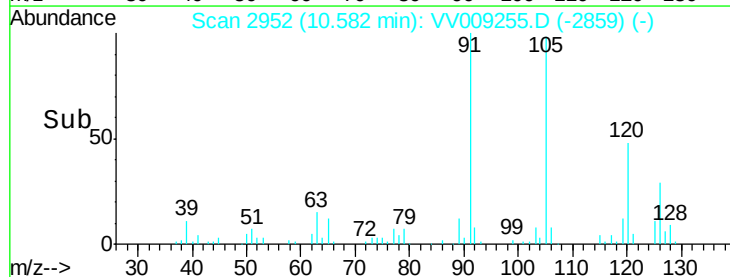
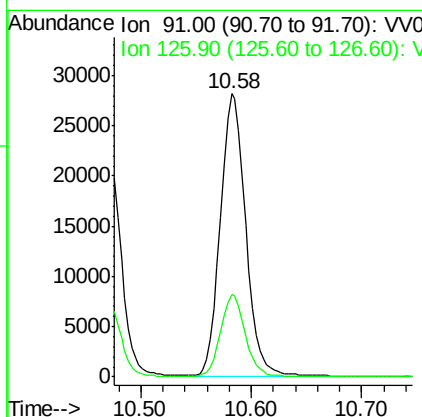
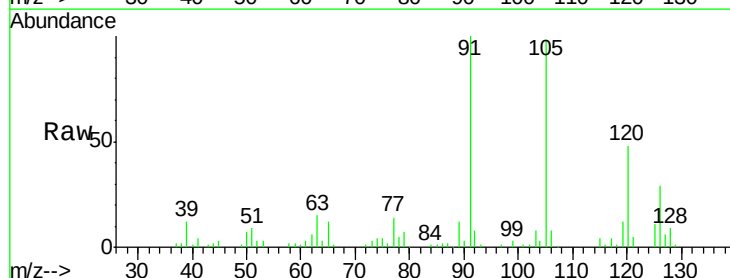
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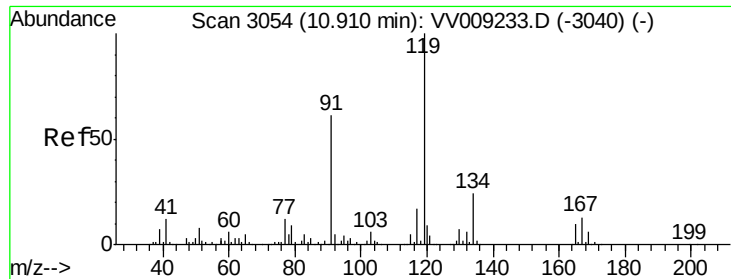
MMDadoda
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#82
4-Chlorotoluene
Concen: 9.495 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion: 91 Resp: 45355
Ion Ratio Lower Upper
91 100
126 28.2 14.3 42.9





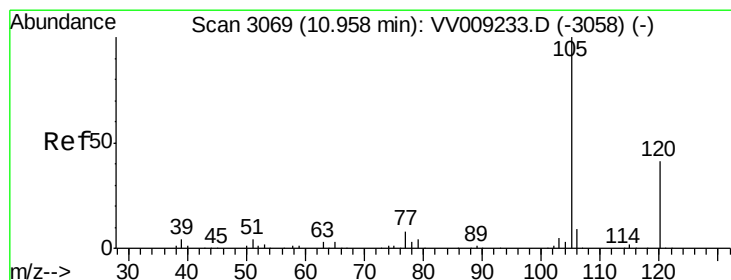
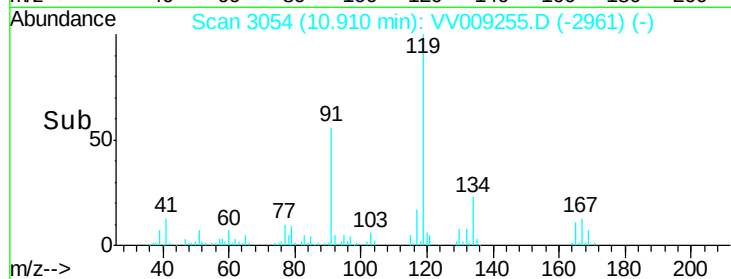
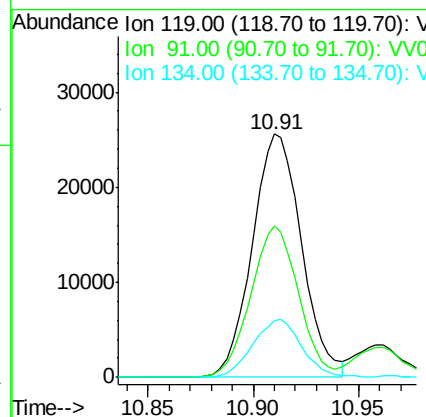
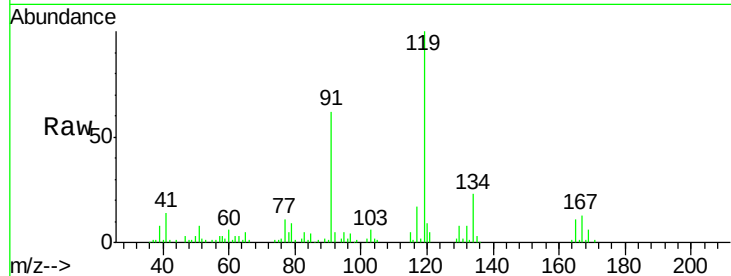
#83
tert-Butylbenzene
Concen: 9.193 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	41621		
91	60.4	30.0	90.1	
134	23.6	11.9	35.7	

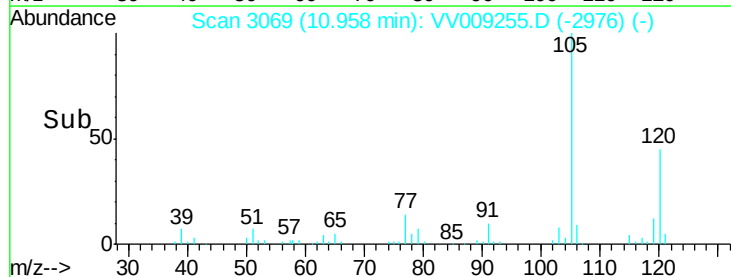
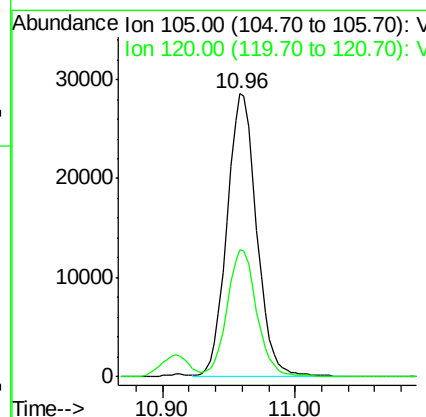
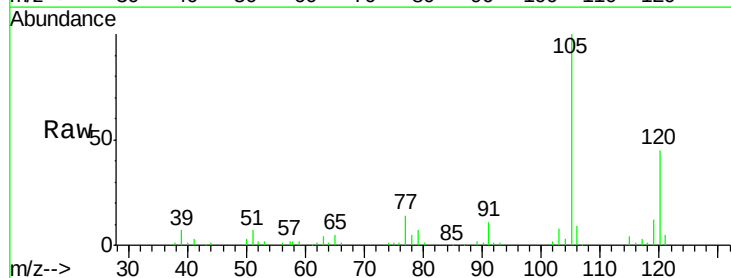
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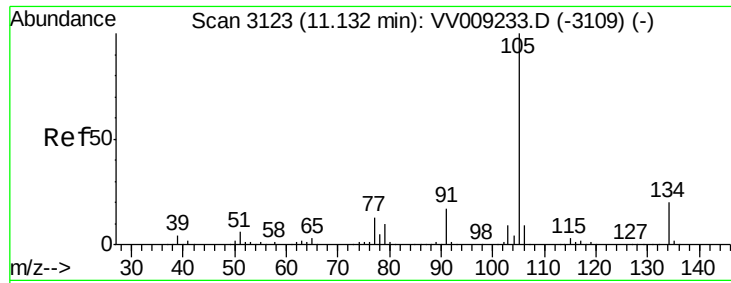
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#84
1,2,4-Trimethylbenzene
Concen: 9.317 ug/l
RT: 10.96 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	44690		
120	44.7	22.6	67.7	





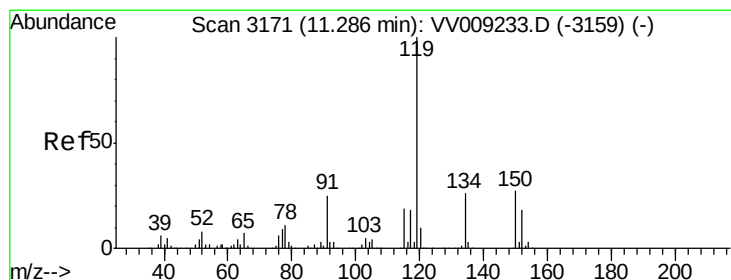
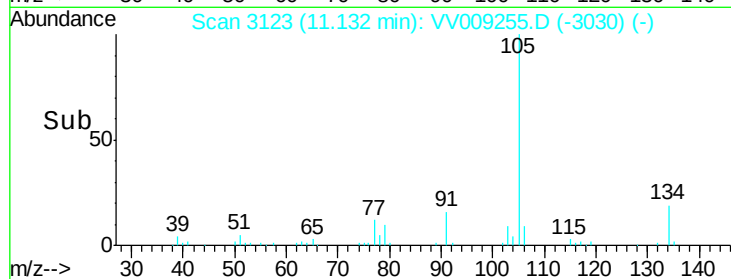
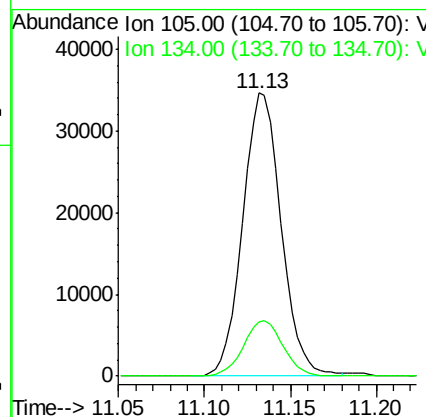
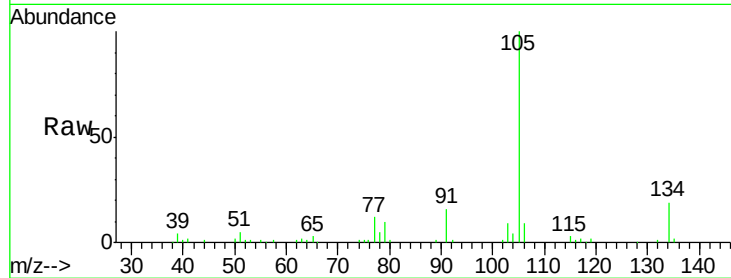
#85
 sec-Butylbenzene
 Concen: 9.109 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.3

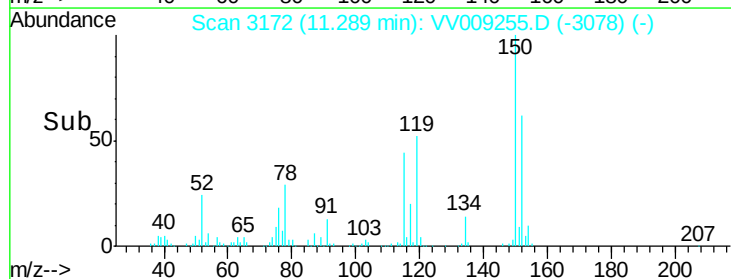
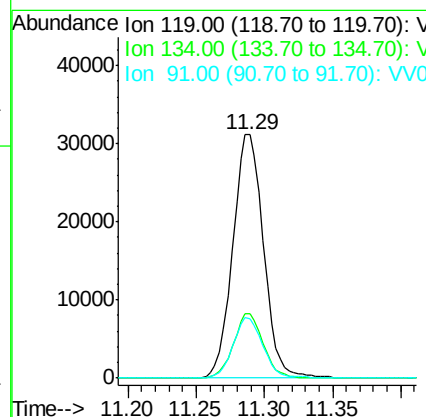
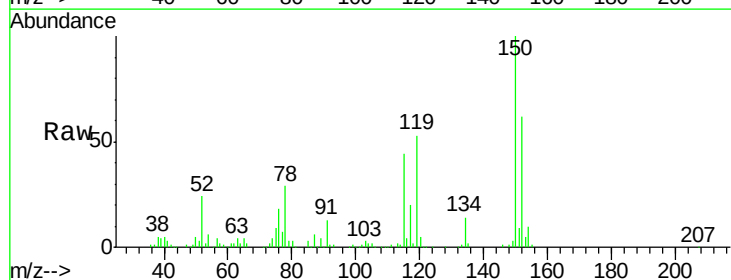
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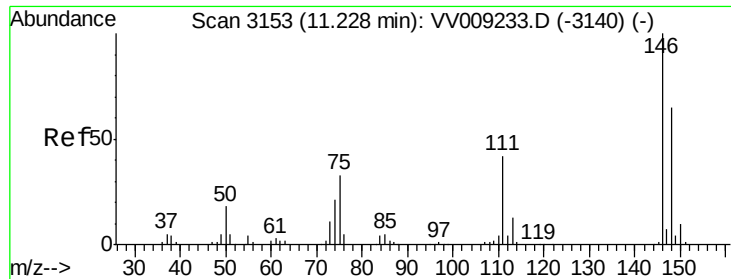
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#86
 p-Isopropyltoluene
 Concen: 9.377 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	38.9
91	24.3	12.4	37.2





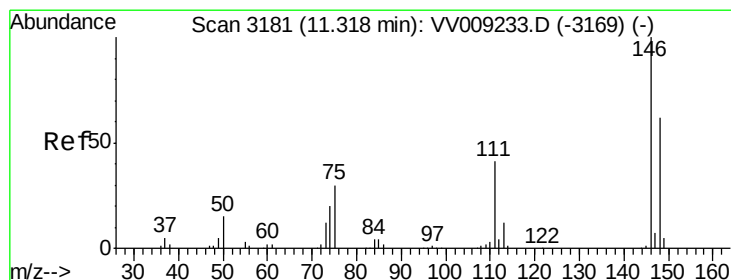
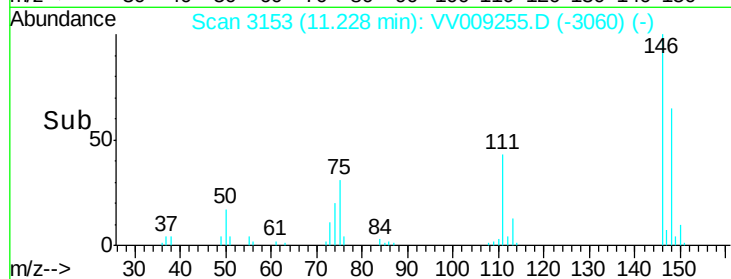
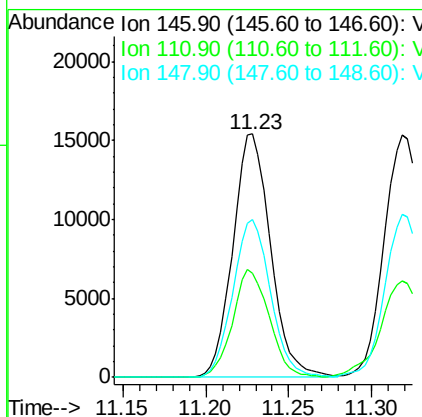
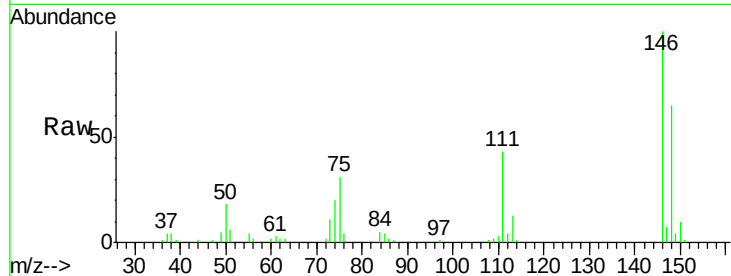
#87
 1,3-Dichlorobenzene
 Concen: 9.704 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	64.6	32.1	96.3

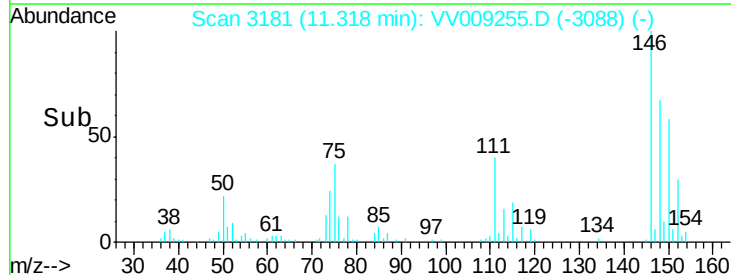
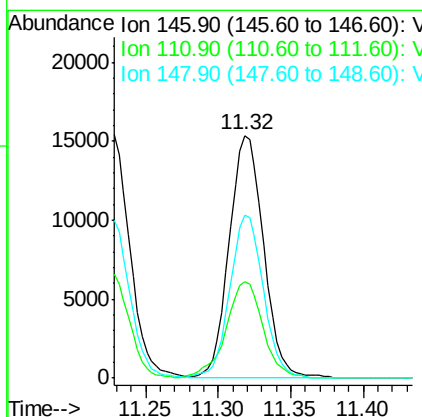
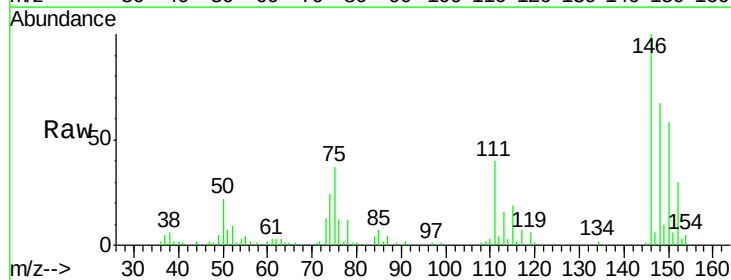
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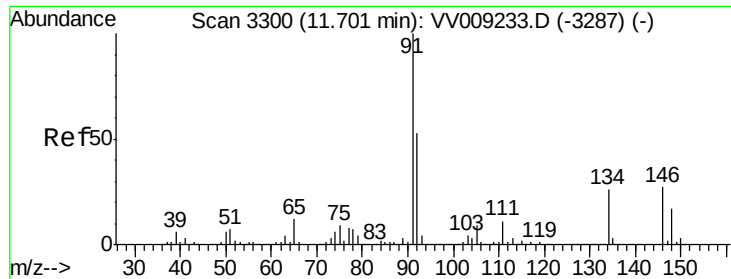
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#88
 1,4-Dichlorobenzene
 Concen: 9.998 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.5	61.5
148	65.3	31.4	94.3





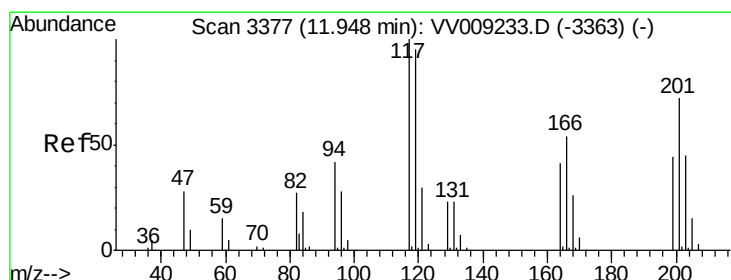
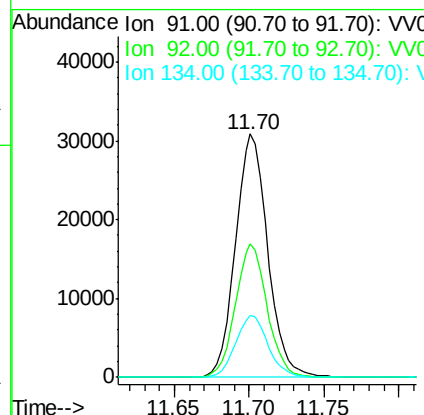
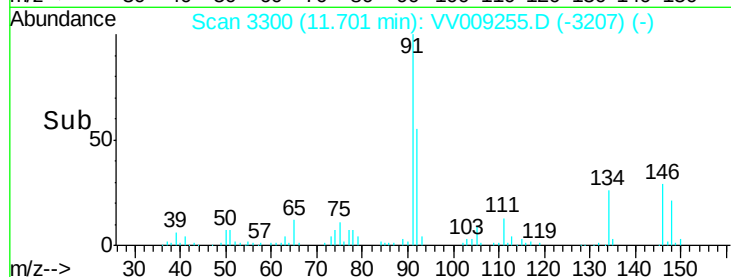
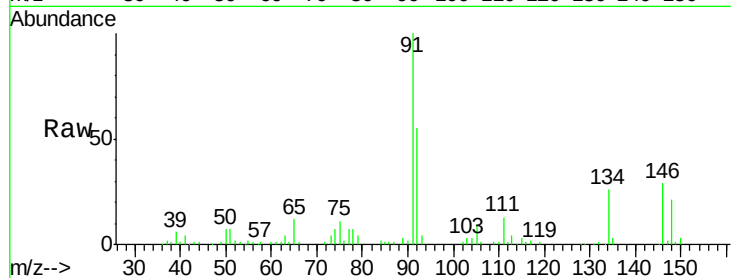
#89
n-Butylbenzene
Concen: 9.191 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.5
134	25.5	12.6	37.8

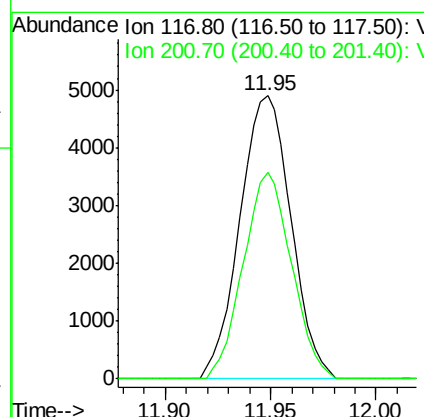
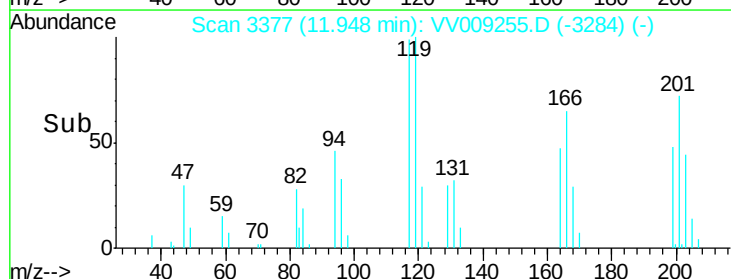
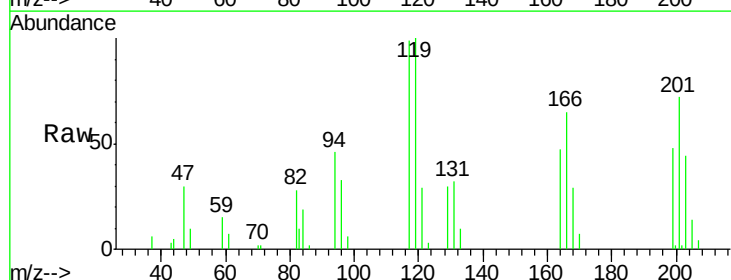
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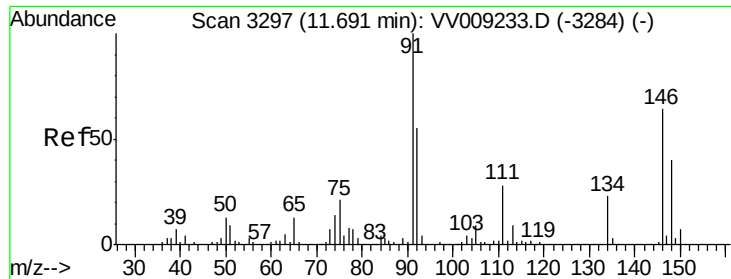
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#90
Hexachloroethane
Concen: 8.939 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6





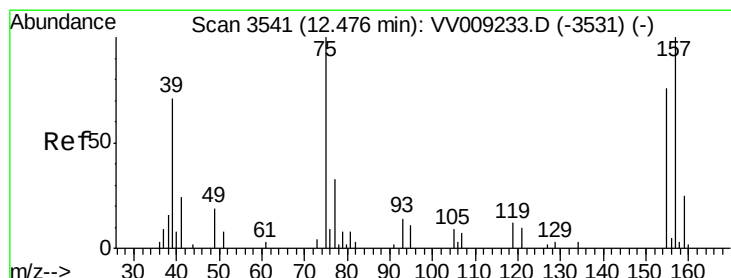
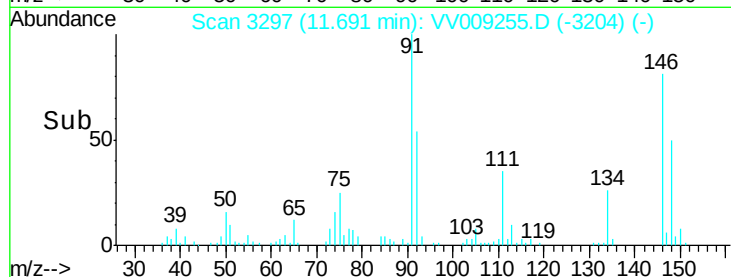
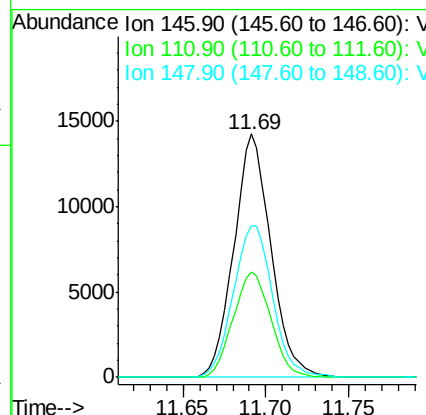
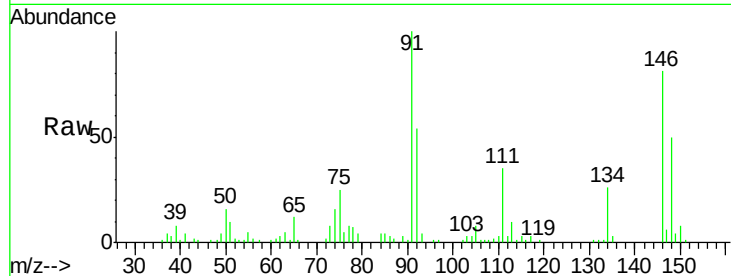
#91
 1,2-Dichlorobenzene
 Concen: 9.968 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.8
148	66.1	31.6	95.0

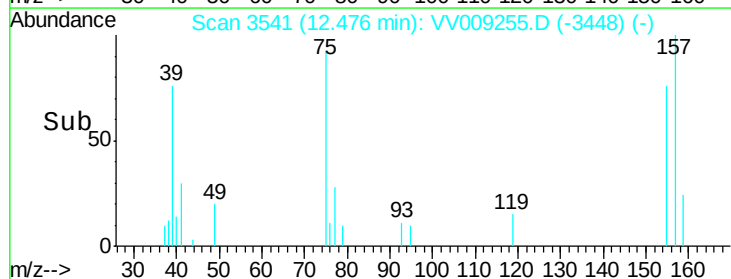
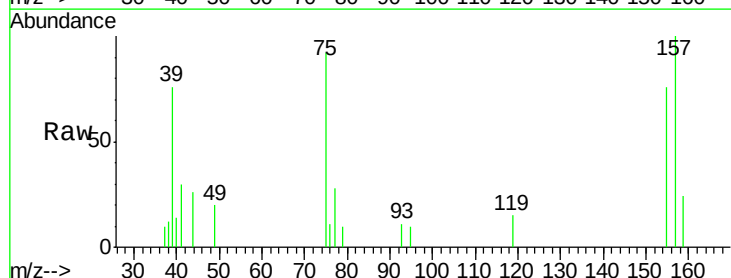
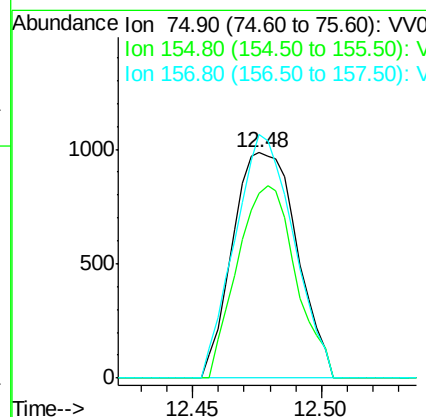
Manual Integrations
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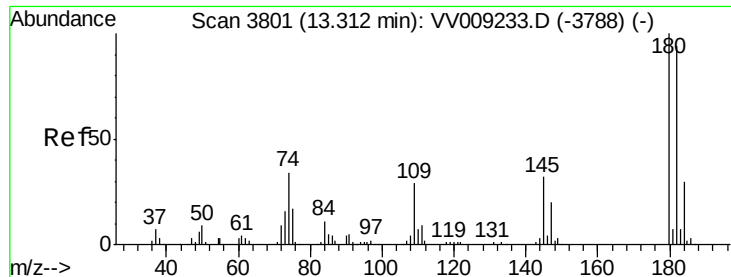
MMDadoda
 1/25/2019 10:01:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.650 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	38.0	114.0
157	99.0	50.8	152.4





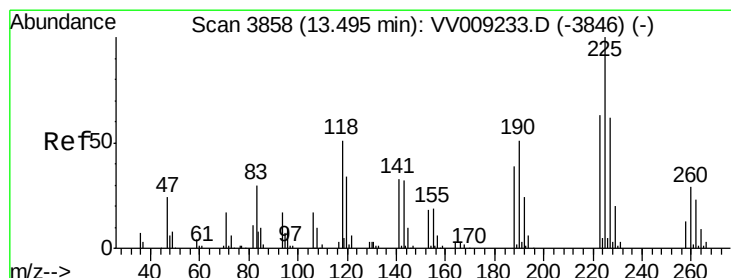
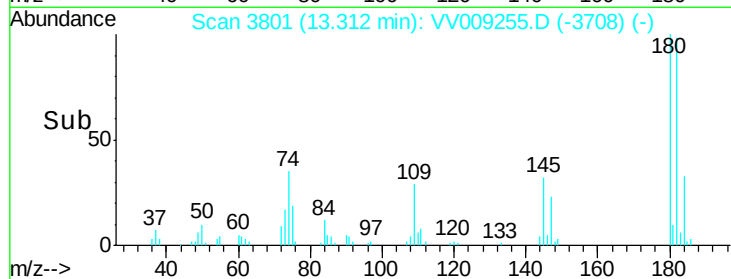
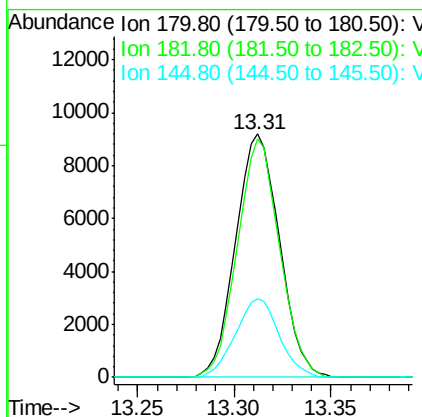
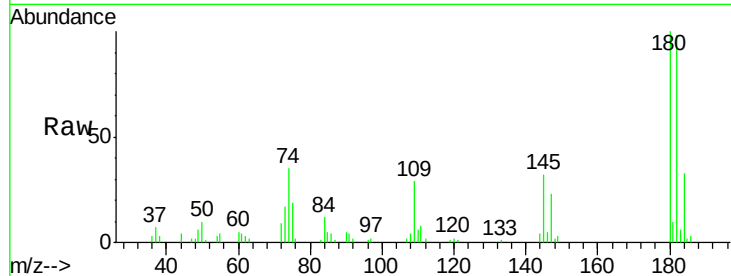
#93
 1,2,4-Trichlorobenzene
 Concen: 10.104 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.4
145	32.1	16.0	48.0

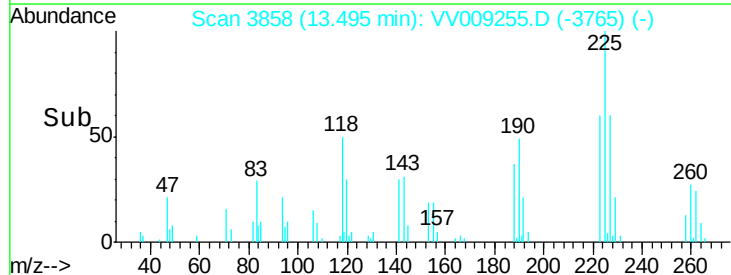
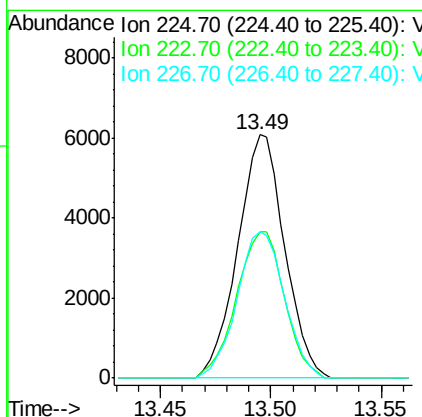
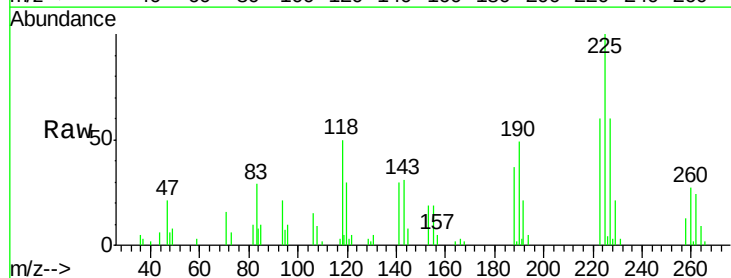
Manual Integrations
 APPROVED

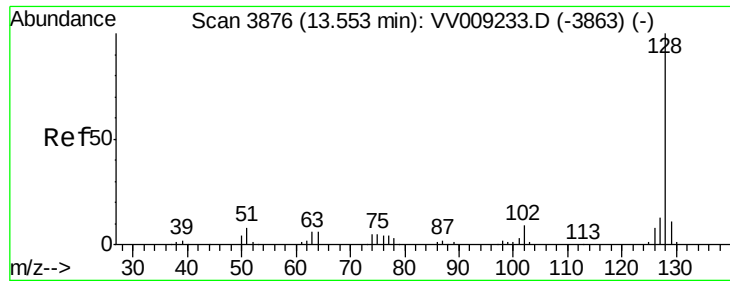
MMDadoda
 1/25/2019 10:01:21 AM



#94
 Hexachlorobutadiene
 Concen: 10.083 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009255.D
 Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.7	95.1
227	60.8	31.6	95.0





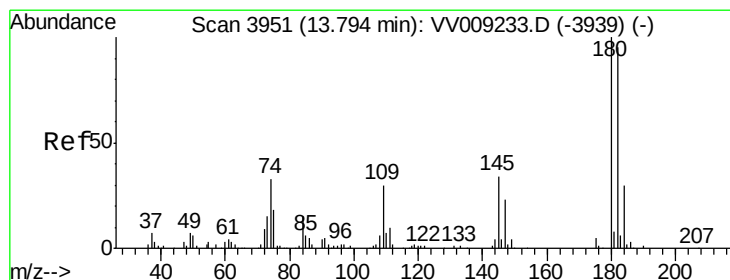
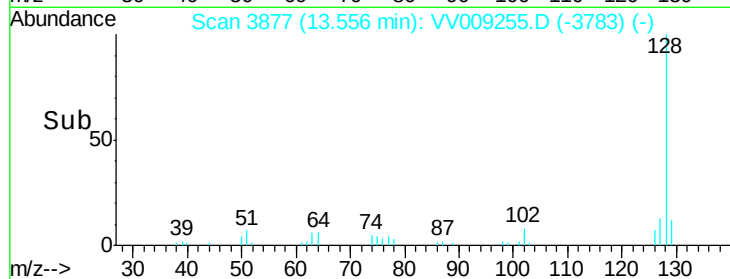
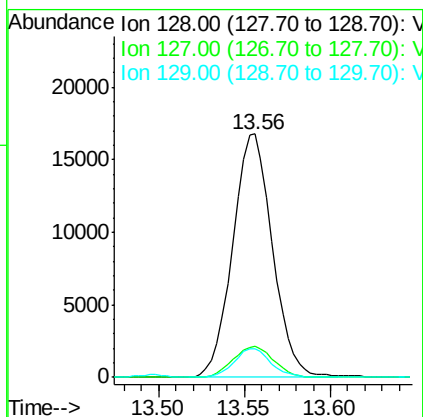
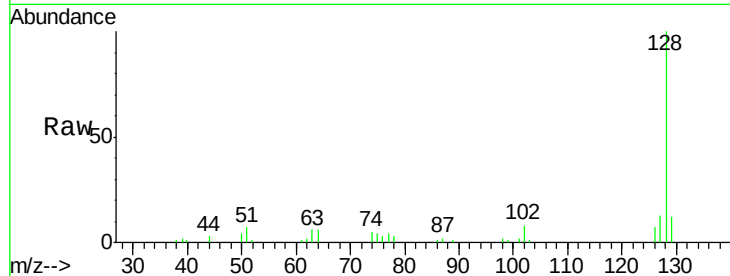
#95
Naphthalene
Concen: 10.934 ug/l
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:01:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.907 ug/l
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV009255.D
Acq: 24 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.2
145	33.9	17.2	51.5

