

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009231.D
 Acq On : 22 Jan 2019 12:26
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:43:43 AM

Quant Time: Jan 23 00:59:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 00:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	83359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	144445	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	131011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64300	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	11302	10.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.02%	
35) Dibromofluoromethane	4.64	113	9715	10.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.28%	
50) Toluene-d8	7.36	98	36000	9.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.54%	
62) 4-Bromofluorobenzene	10.12	95	13832	9.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.14	85	6698	10.117	ug/l	98
3) Chloromethane	1.25	50	9063	9.388	ug/l	98
4) Vinyl Chloride	1.32	62	11199	11.865	ug/l	95
5) Bromomethane	1.53	94	6185	9.984	ug/l	98
6) Chloroethane	1.59	64	6048	10.173	ug/l	98
7) Trichlorofluoromethane	1.76	101	7707	13.346	ug/l	99
8) Diethyl Ether	1.96	74	4968	10.626	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.14	101	9827	11.434	ug/l	97
10) Methyl Iodide	2.25	142	14929	10.573	ug/l	99
11) Tert butyl alcohol	2.65	59	4876	59.065	ug/l #	87
12) 1,1-Dichloroethene	2.13	96	9088	10.531	ug/l	95
13) Acrolein	2.06	56	3765	62.923	ug/l	98
14) Allyl chloride	2.42	41	15985	10.536	ug/l	97
15) Acrylonitrile	2.76	53	10949	54.151	ug/l	99
16) Acetone	2.18	43	16735	60.594	ug/l	99
17) Carbon Disulfide	2.31	76	28196	10.949	ug/l	99
18) Methyl Acetate	2.45	43	8526	11.887	ug/l	94
19) Methyl tert-butyl Ether	2.79	73	15384	11.381	ug/l	98
20) Methylene Chloride	2.53	84	11700	11.202	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	10080	10.802	ug/l	94
22) Diisopropyl ether	3.32	45	34434	10.194	ug/l	94
23) Vinyl Acetate	3.30	43	92981	49.871	ug/l	99
24) 1,1-Dichloroethane	3.22	63	21383	10.436	ug/l	100
25) 2-Butanone	4.02	43	18185	55.508	ug/l	97
26) 2,2-Dichloropropane	3.95	77	10935	10.095	ug/l	99
27) cis-1,2-Dichloroethene	3.95	96	11876	10.088	ug/l	98
28) Bromochloromethane	4.29	49	7822	9.943	ug/l #	95
29) Tetrahydrofuran	4.39	42	9220	49.127	ug/l	97
30) Chloroform	4.42	83	21496	10.094	ug/l	98
31) Cyclohexane	4.72	56	19599	10.733	ug/l #	89
32) 1,1,1-Trichloroethane	4.65	97	17554	10.332	ug/l	96
36) 1,1-Dichloropropene	4.88	75	16365	10.463	ug/l	96
37) Ethyl Acetate	4.12	43	6806	10.418	ug/l #	91
38) Carbon Tetrachloride	4.87	117	16163	10.400	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	19000	10.557	ug/l	95
40) Benzene	5.14	78	45575	10.316	ug/l	97
41) Methacrylonitrile	4.30	41	3971	10.381	ug/l	96
42) 1,2-Dichloroethane	5.18	62	14750	10.007	ug/l	99
43) Isopropyl Acetate	5.32	43	12576	9.688	ug/l	99
44) Trichloroethene	5.96	130	11590	10.190	ug/l	99
45) 1,2-Dichloropropane	6.22	63	11197	10.400	ug/l	96
46) Dibromomethane	6.35	93	5538	9.440	ug/l	95
47) Bromodichloromethane	6.55	83	14714	9.615	ug/l	93
48) Methyl methacrylate	6.42	41	6427	9.768	ug/l	97
49) 1,4-Dioxane	6.42	88	1439	189.063	ug/l	97
51) 4-Methyl-2-Pentanone	7.27	43	31700	48.817	ug/l	99
52) Toluene	7.43	92	28728	10.360	ug/l	97
53) t-1,3-Dichloropropene	7.69	75	14265	9.581	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	15700	9.307	ug/l	96
55) 1,1,2-Trichloroethane	7.88	97	8201	10.318	ug/l	93
56) Ethyl methacrylate	7.83	69	8670	9.004	ug/l	96
57) 1,3-Dichloropropane	8.05	76	14725	10.050	ug/l	99
59) 2-Hexanone	8.18	43	22940	47.660	ug/l	98
60) Dibromochloromethane	8.29	129	8941	9.447	ug/l	100
61) 1,2-Dibromoethane	8.39	107	7797	9.899	ug/l	97
64) Tetrachloroethene	8.02	164	9336	10.470	ug/l	97
65) Chlorobenzene	8.92	112	31792	10.626	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	10686	10.394	ug/l	94
67) Ethyl Benzene	9.05	91	54007	10.161	ug/l	98
68) m/p-Xylenes	9.18	106	41082	20.601	ug/l	98
69) o-Xylene	9.59	106	18628	10.026	ug/l	96
70) Styrene	9.60	104	29052	9.591	ug/l	99
71) Bromoform	9.77	173	4736	9.429	ug/l #	97
73) Isopropylbenzene	9.97	105	52905	10.390	ug/l	100
74) N-amyl acetate	9.84	43	9607	8.932	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	9500	10.418	ug/l	97
76) 1,2,3-Trichloropropane	10.32	75	7636m	10.762	ug/l	
77) Bromobenzene	10.26	156	11492	10.165	ug/l	97
78) n-propylbenzene	10.40	91	62623	10.379	ug/l	99
79) 2-Chlorotoluene	10.47	91	38759	10.413	ug/l	98
80) 1,3,5-Trimethylbenzene	10.58	105	44556	10.326	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.05	75	2221	8.680	ug/l	87
82) 4-Chlorotoluene	10.58	91	44884	10.124	ug/l	98
83) tert-Butylbenzene	10.91	119	42366	10.326	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	44773	10.068	ug/l	98
85) sec-Butylbenzene	11.13	105	56380	10.691	ug/l	97
86) p-Isopropyltoluene	11.29	119	48178	10.304	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	23896	10.345	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	24272	10.355	ug/l	95
89) n-Butylbenzene	11.70	91	46644	10.129	ug/l	98
90) Hexachloroethane	11.95	117	8484	10.060	ug/l	97
91) 1,2-Dichlorobenzene	11.69	146	21181	10.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	1639	10.376	ug/l	88
93) 1,2,4-Trichlorobenzene	13.31	180	12704	9.018	ug/l	96

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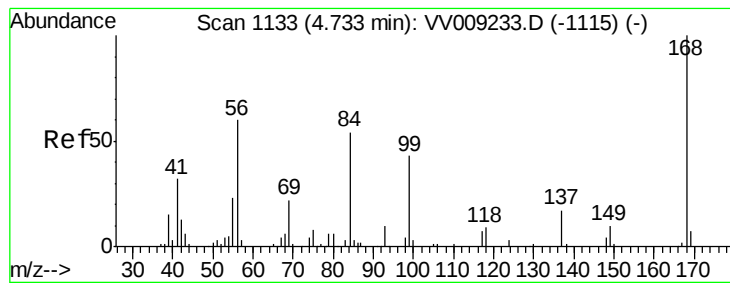
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.49	225	8456	10.631	ug/l	98
95) Naphthalene	13.55	128	21157	8.558	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	11227	9.389	ug/l	99

(#) = 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: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 83359

Ion Ratio Lower Upper

168 100

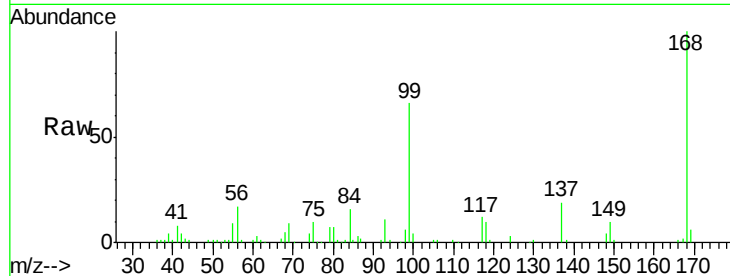
99 65.6 50.9 76.3

Manual Integrations

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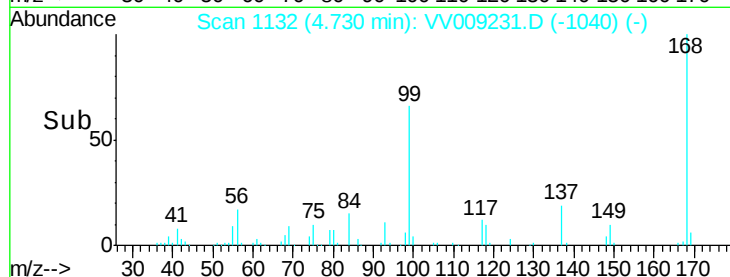


Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

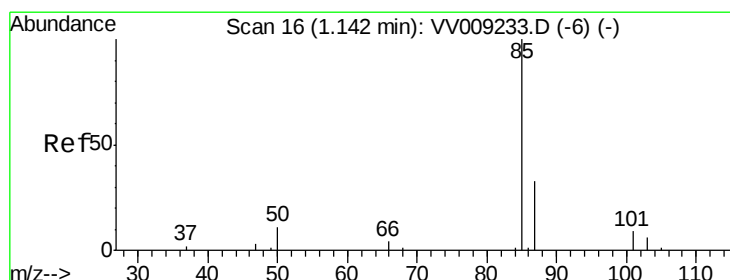
Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

4.73

4.60 4.70 4.80



Time-->



#2

Dichlorodifluoromethane

Concen: 10.117 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009231.D

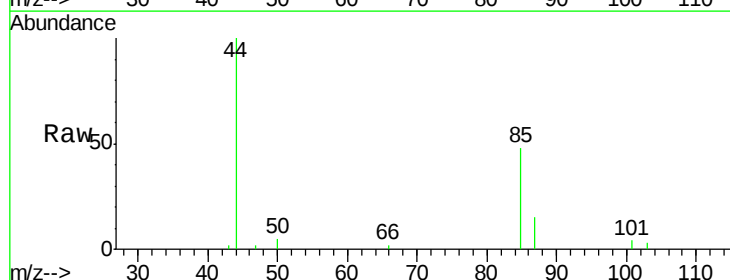
Acq: 22 Jan 2019 12:26

Tgt Ion: 85 Resp: 6698

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7

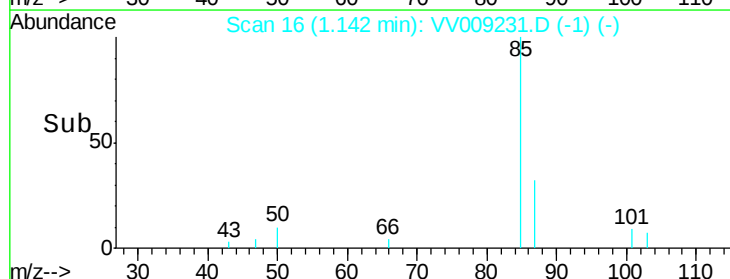


Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

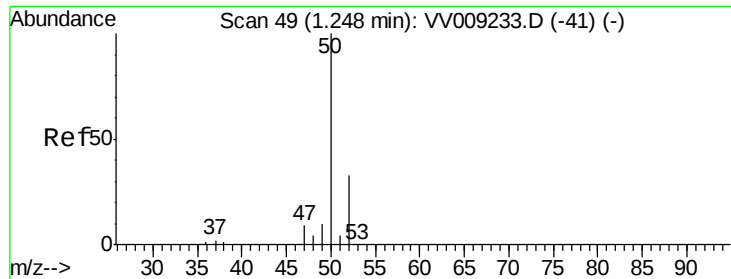
Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

1.10 1.15 1.20



Time-->



#3

Chloromethane

Concen: 9.388 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

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ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 9063

Ion Ratio Lower Upper

50 100

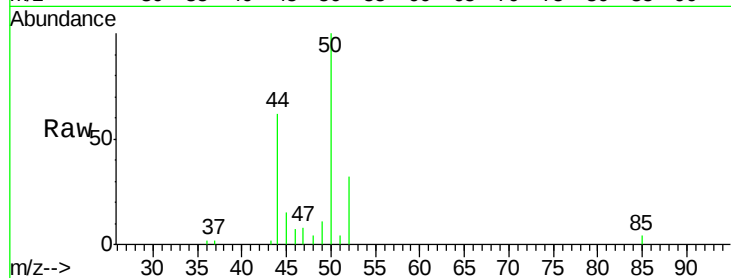
52 31.7 26.3 39.5

Manual Integrations

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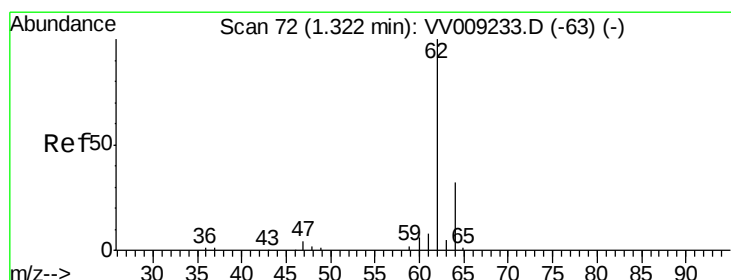
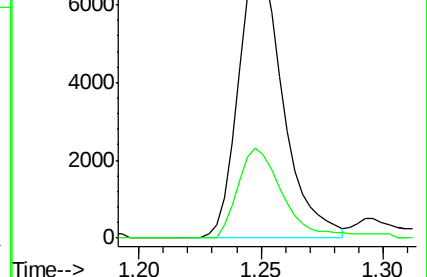
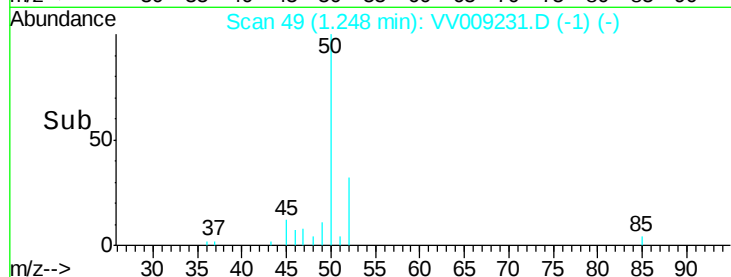


Abundance Ion 49.90 (49.60 to 50.60): VV009231.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VV009231.D (-1) (-)

1.25

Time-->



#4

Vinyl Chloride

Concen: 11.865 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009231.D

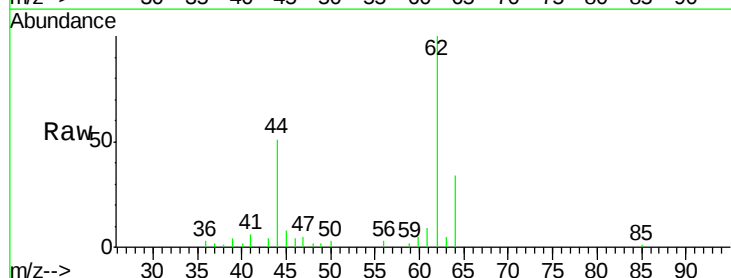
Acq: 22 Jan 2019 12:26

Tgt Ion: 62 Resp: 11199

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.0

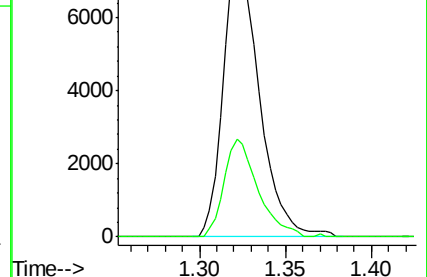
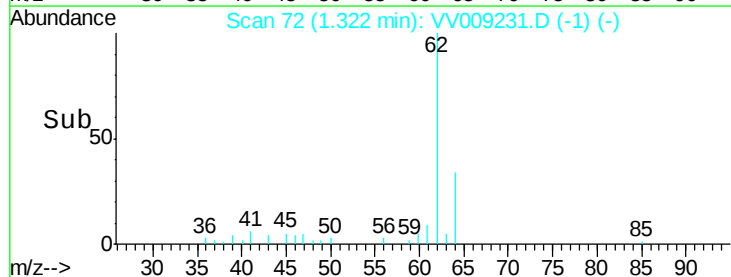


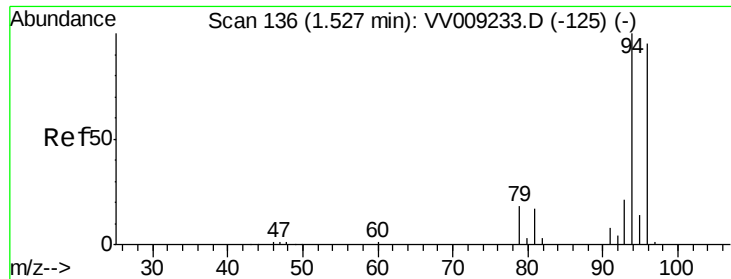
Abundance Ion 61.90 (61.60 to 62.60): VV009231.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VV009231.D (-1) (-)

1.32

Time-->





#5

Bromomethane

Concen: 9.984 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 6185

Ion Ratio Lower Upper

94 100

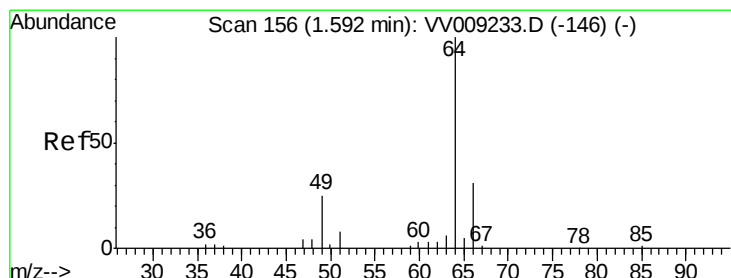
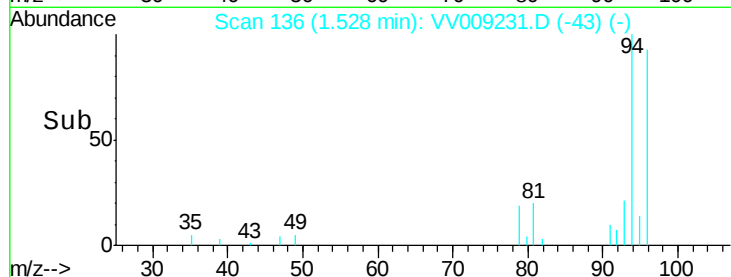
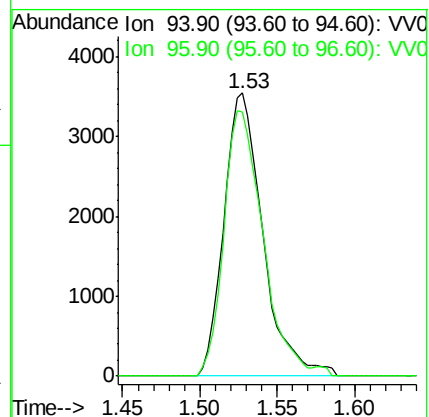
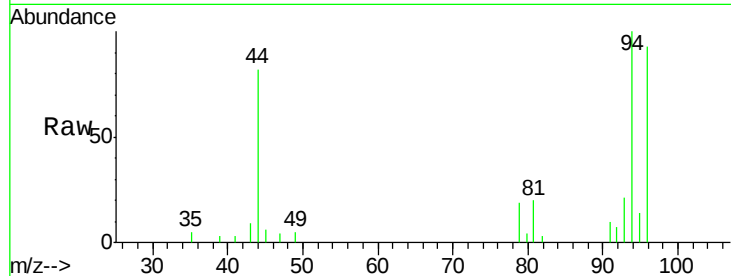
96 93.3 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 10.173 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009231.D

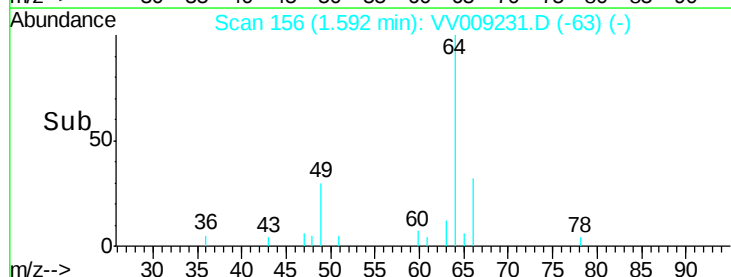
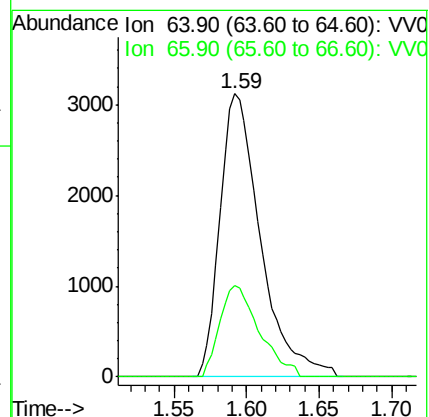
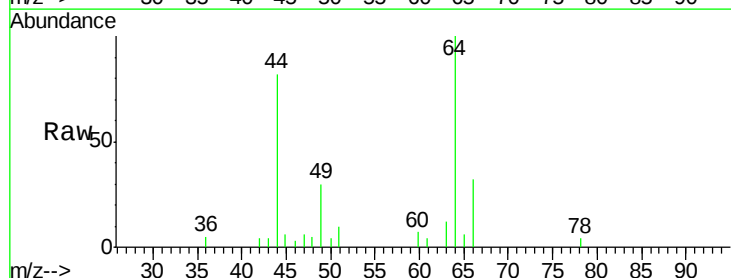
Acq: 22 Jan 2019 12:26

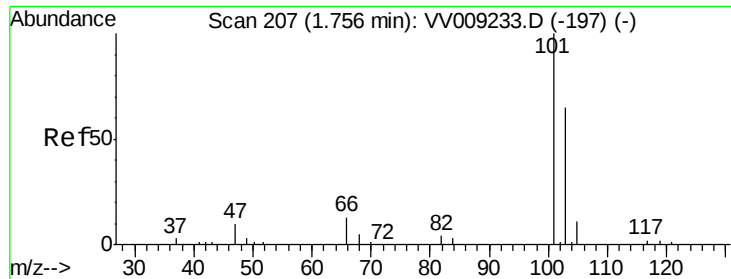
Tgt Ion: 64 Resp: 6048

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

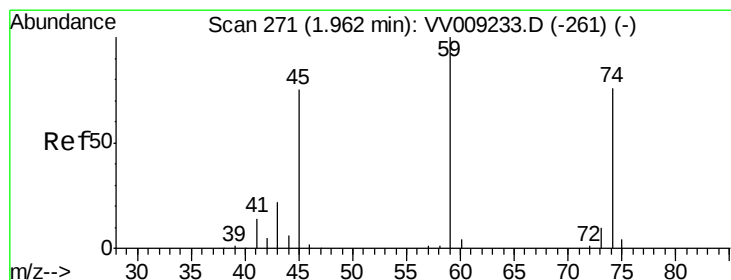
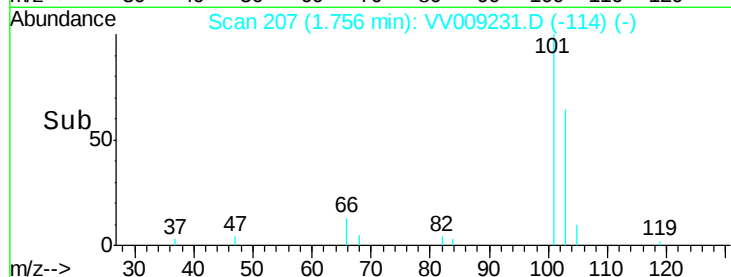
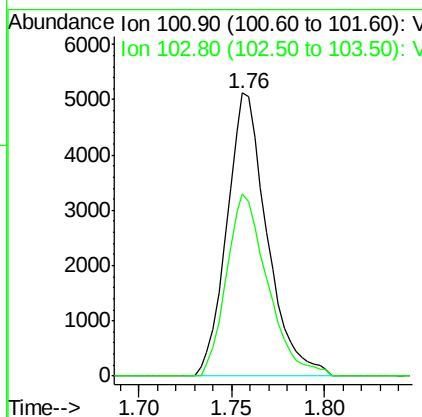
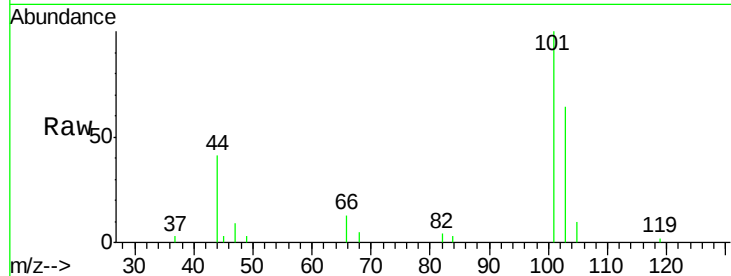
Trichlorofluoromethane
 Concen: 13.346 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
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 ClientSampleId :
 VSTDIC010

Tot Ion:101 Resp: 7707
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4

Manual Integrations
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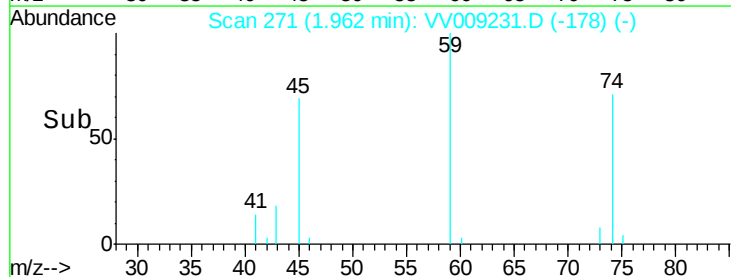
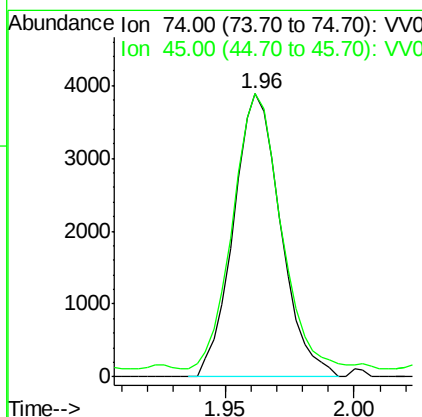
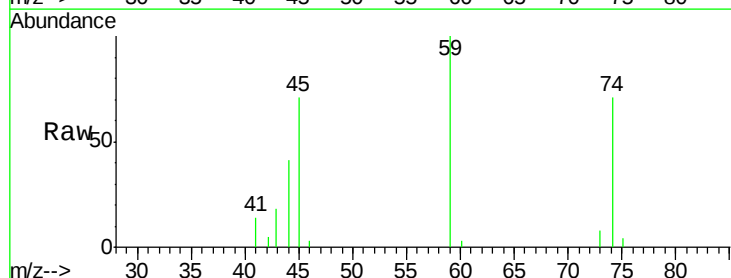
MMDadoda
 1/24/2019 11:43:43 AM

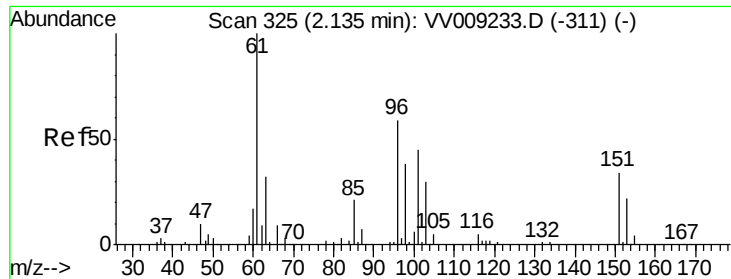


#8

Diethyl Ether
 Concen: 10.626 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Tgt Ion: 74 Resp: 4968
 Ion Ratio Lower Upper
 74 100
 45 99.9 49.1 147.3





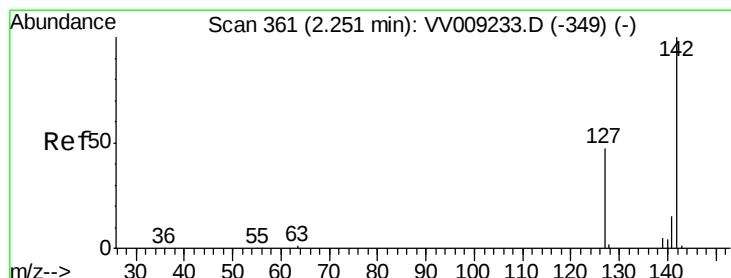
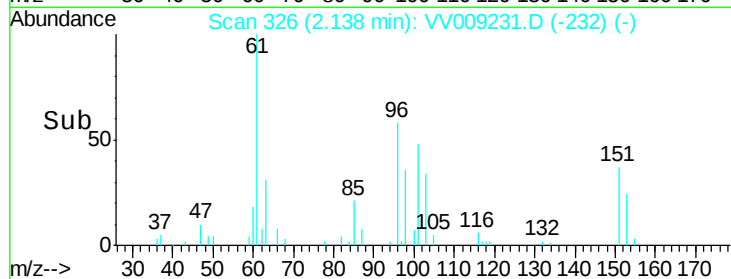
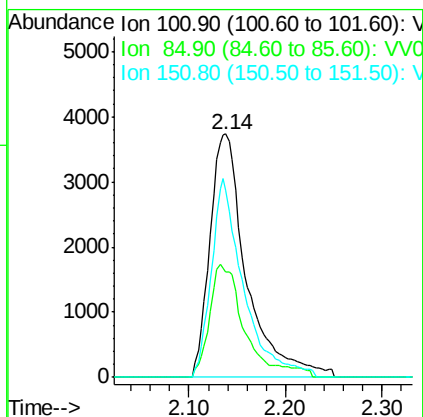
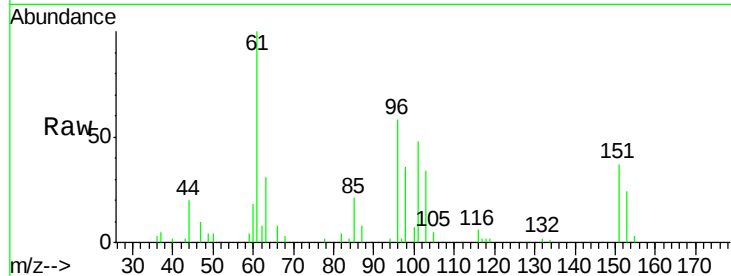
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.434 ug/l
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.3	52.9
151	71.7	60.1	90.1

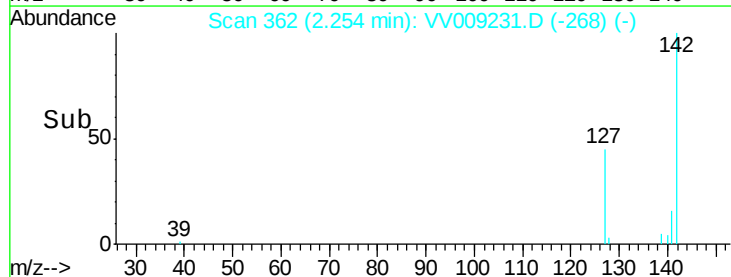
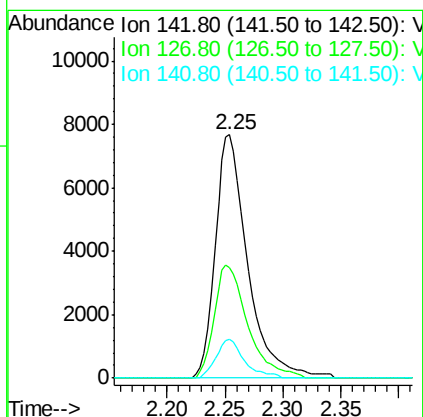
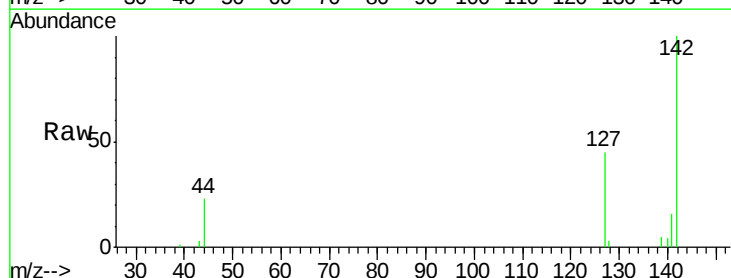
Manual Integrations
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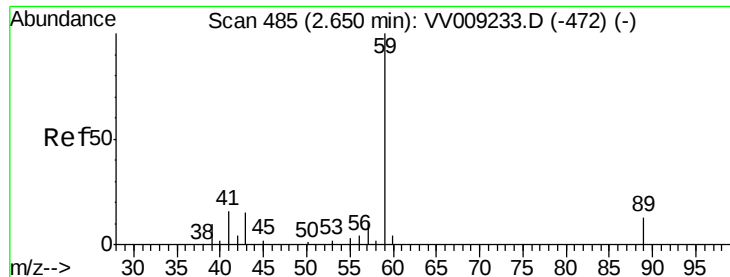
MMDadoda
1/24/2019 11:43:43 AM



#10
Methyl Iodide
Concen: 10.573 ug/l
RT: 2.25 min Scan# 362
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.8	37.9	56.9
141	14.0	11.7	17.5





#11

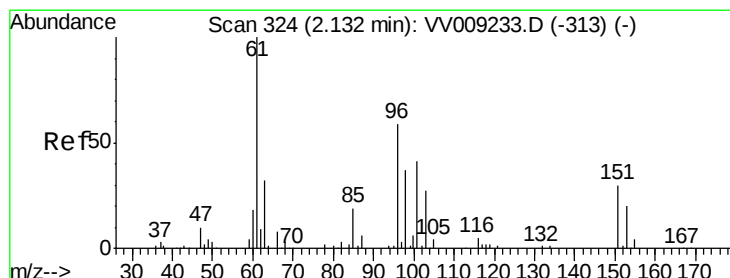
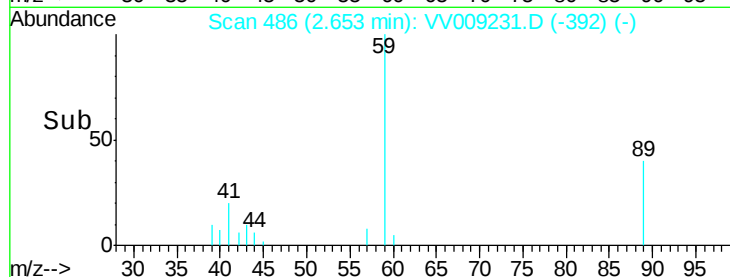
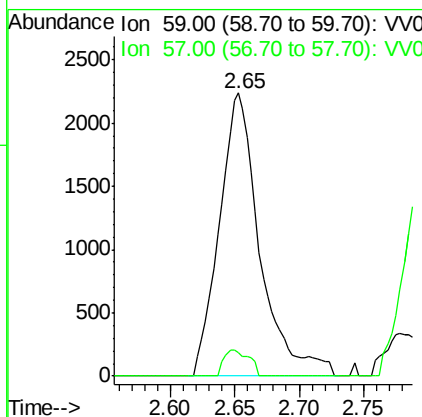
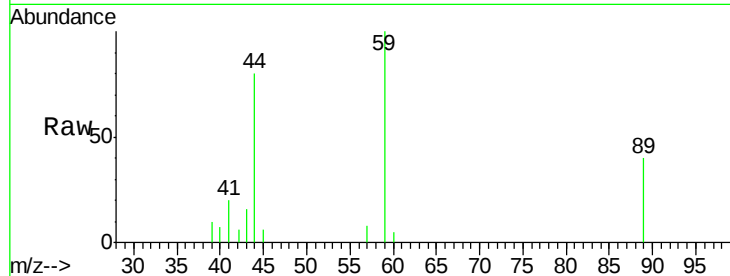
Tert butyl alcohol
 Concen: 59.065 ug/l
 RT: 2.65 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion: 59 Resp: 4876
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.4 12.6#

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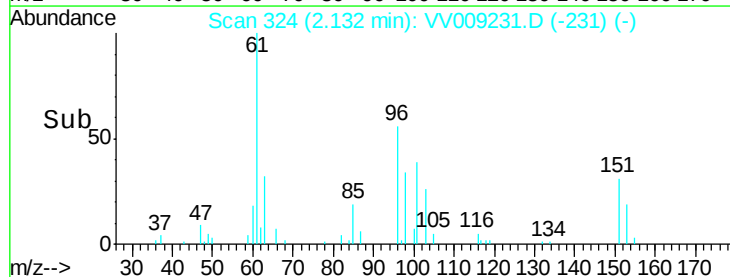
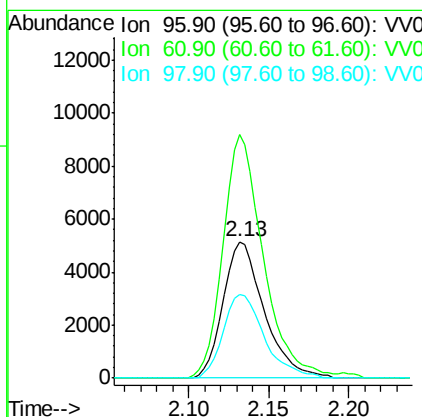
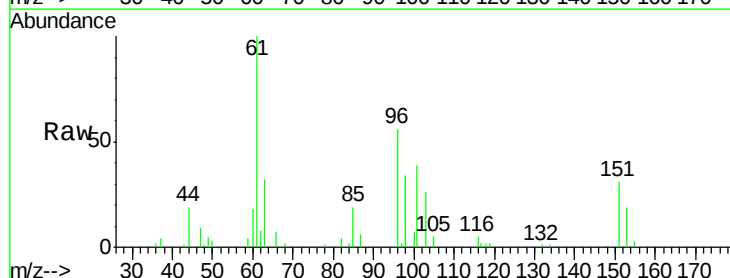
MMDadoda
 1/24/2019 11:43:43 AM

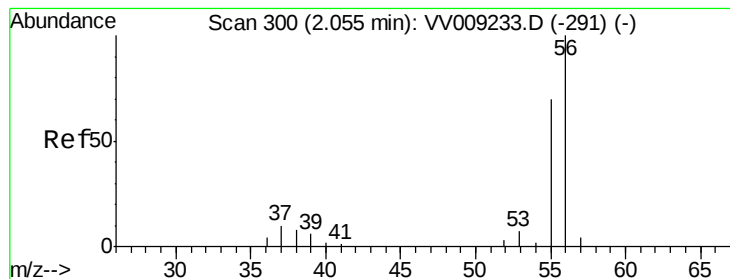


#12

1,1-Dichloroethene
 Concen: 10.531 ug/l
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Tgt Ion: 96 Resp: 9088
 Ion Ratio Lower Upper
 96 100
 61 178.7 136.6 205.0
 98 61.6 50.6 75.8





#13

Acrolein

Concen: 62.923 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 3765

Ion Ratio Lower Upper

56 100

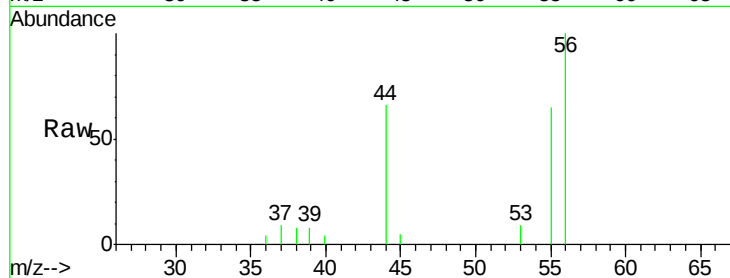
55 69.4 54.0 81.0

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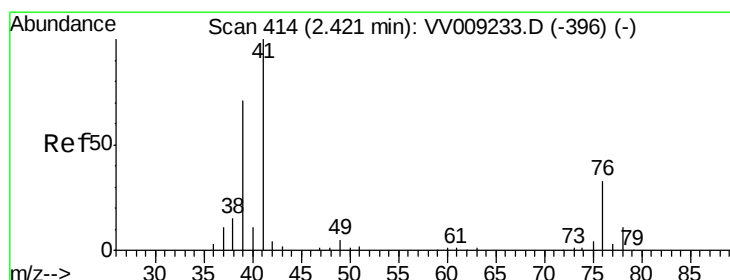
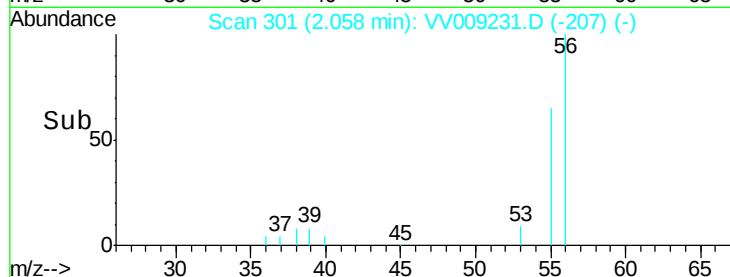
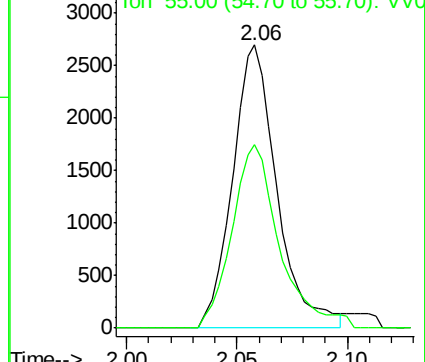
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1/24/2019 11:43:43 AM



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



#14

Allyl chloride

Concen: 10.536 ug/l

RT: 2.42 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

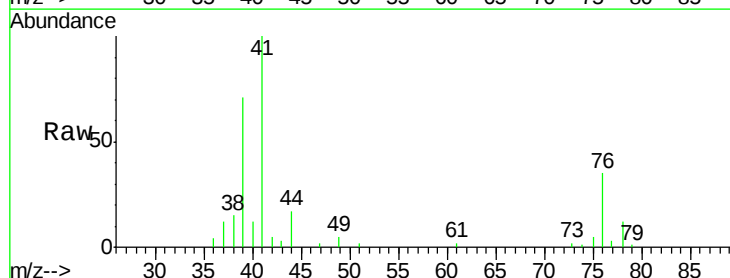
Tgt Ion: 41 Resp: 15985

Ion Ratio Lower Upper

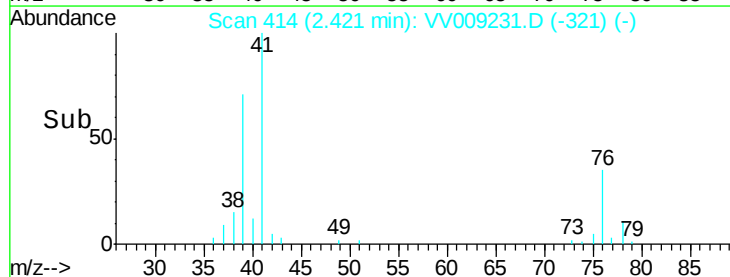
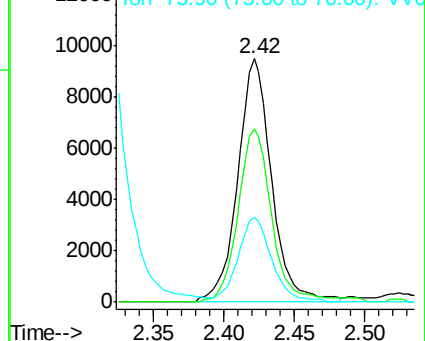
41 100

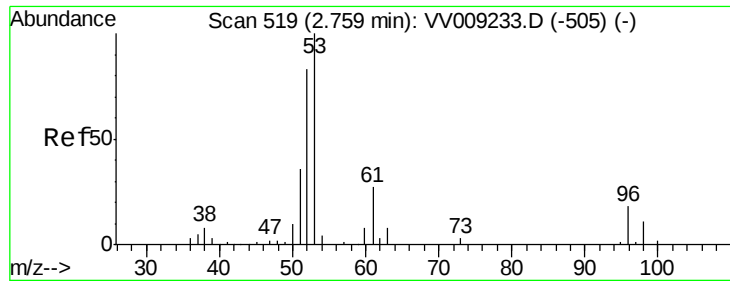
39 72.0 55.1 82.7

76 34.9 26.7 40.1



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





#15

Acrylonitrile

Concen: 54.151 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

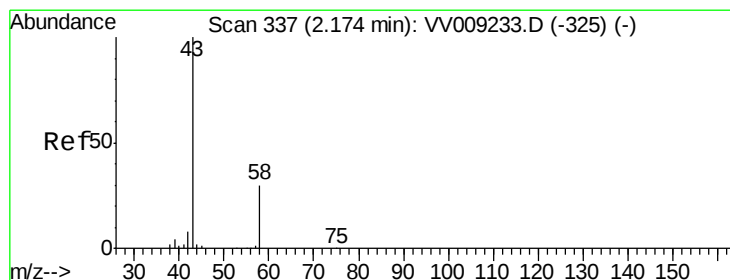
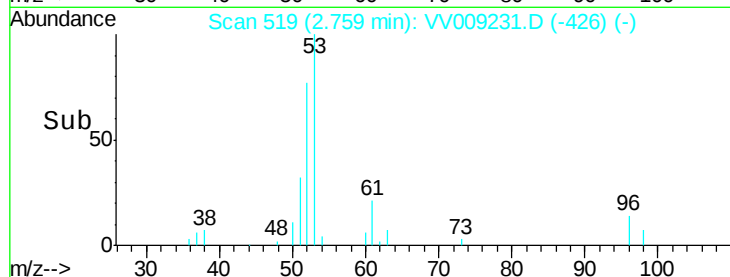
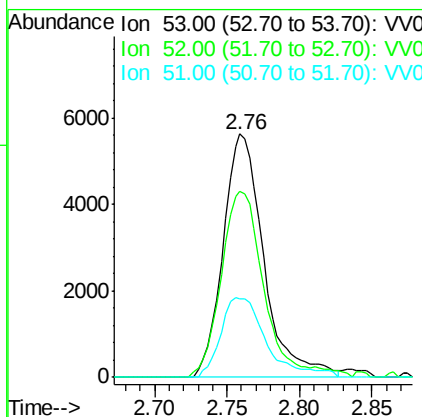
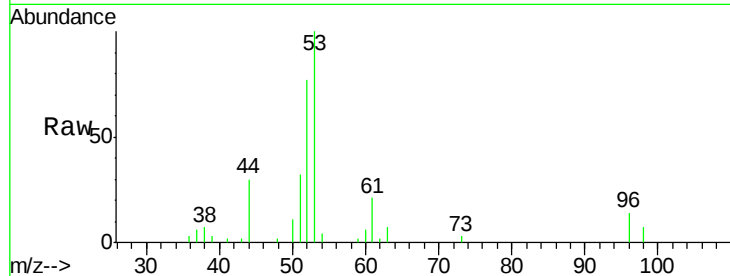
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	10949
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.3	97.9
51	36.7	29.0	43.4

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#16

Acetone

Concen: 60.594 ug/l

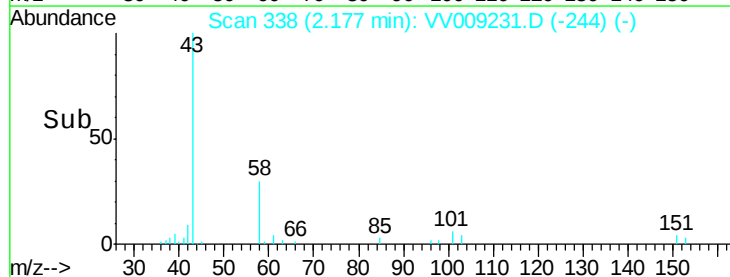
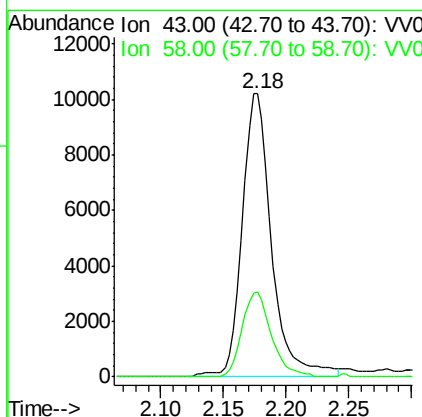
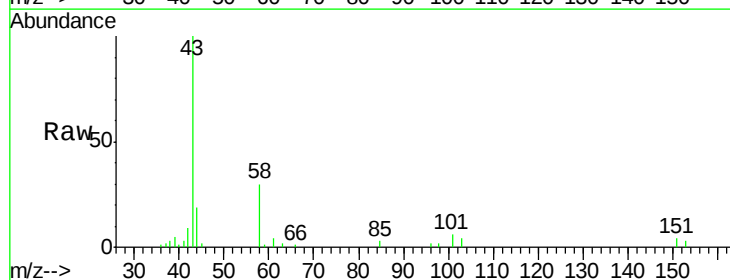
RT: 2.18 min Scan# 338

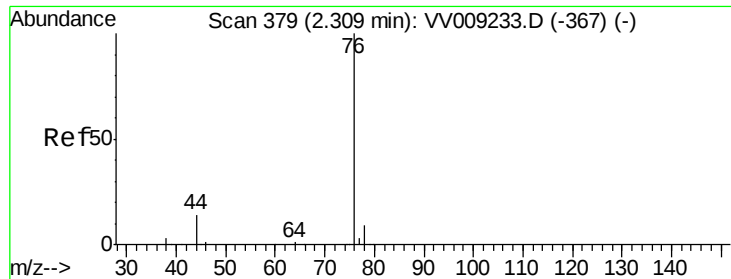
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion:	43	Resp:	16735
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6





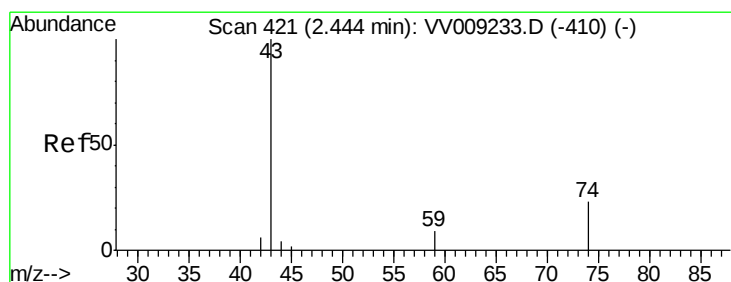
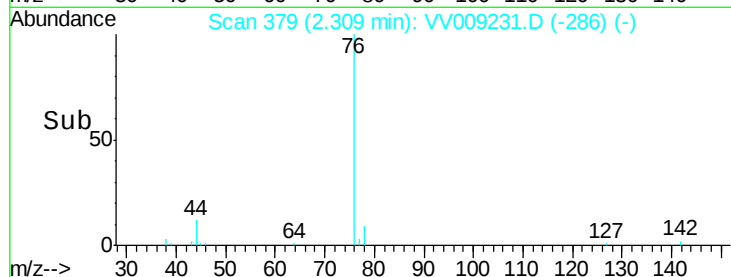
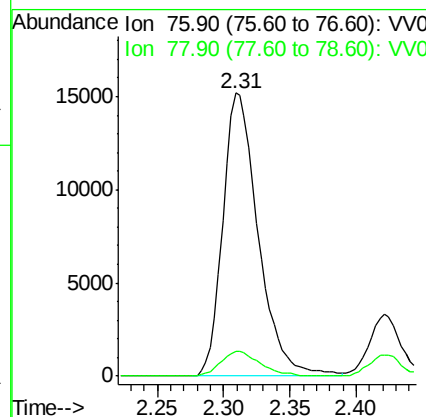
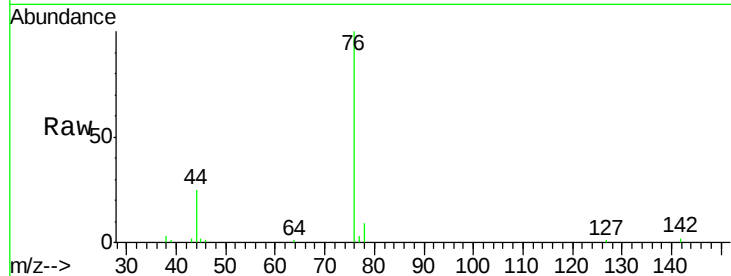
#17
Carbon Disulfide
Concen: 10.949 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	76	Resp	28196
Ion Ratio	Lower	Upper	
76	100		
78	8.7	7.3	10.9

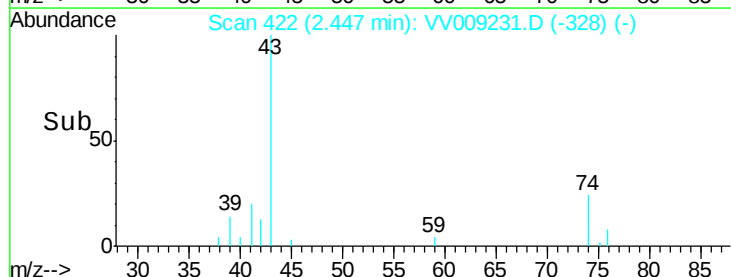
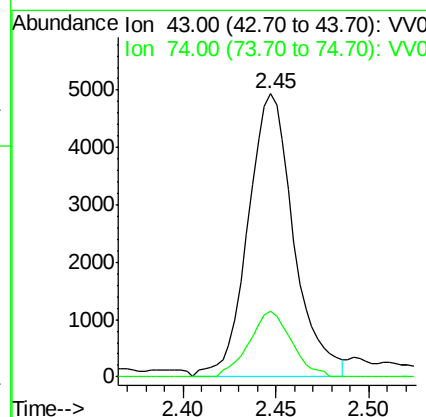
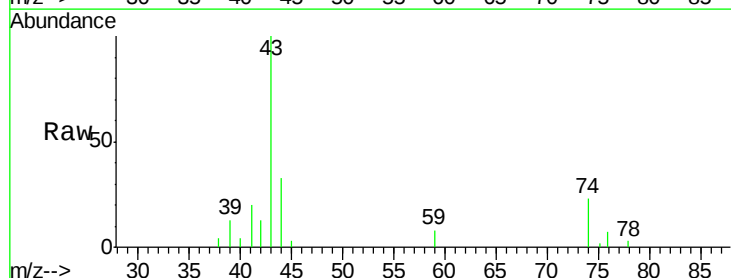
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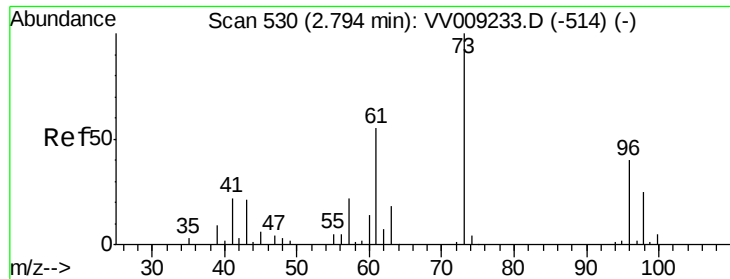
MMDadoda
1/24/2019 11:43:43 AM



#18
Methyl Acetate
Concen: 11.887 ug/l
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	43	Resp	8526
Ion Ratio	Lower	Upper	
43	100		
74	21.5	19.7	29.5





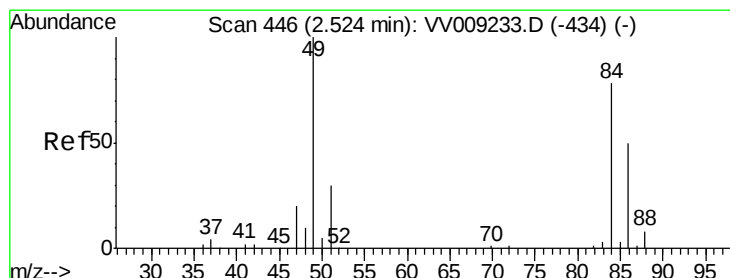
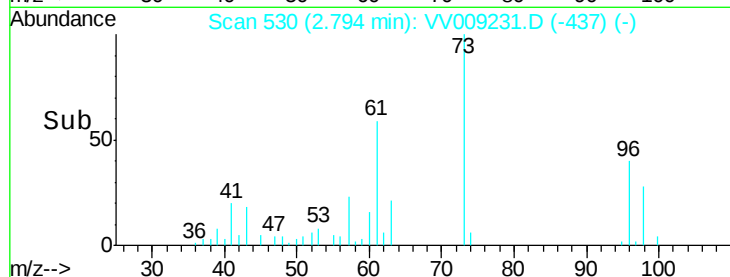
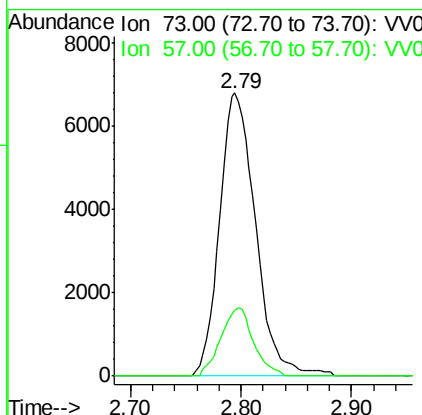
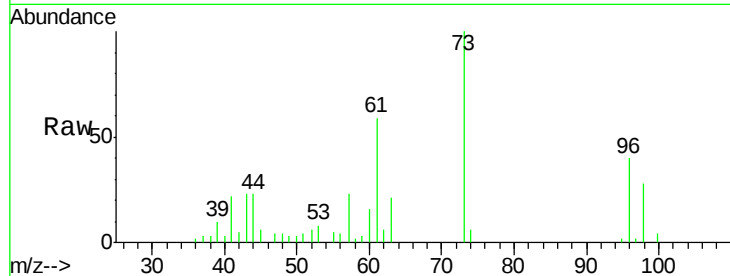
#19
Methvl tert-butvl Ether
Concen: 11.381 ug/l
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 15384
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0

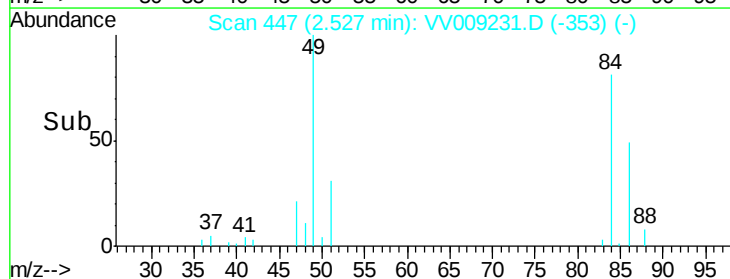
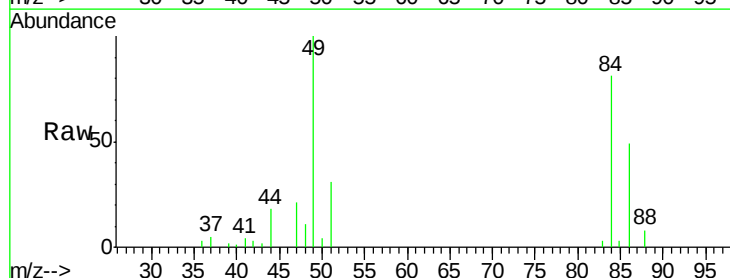
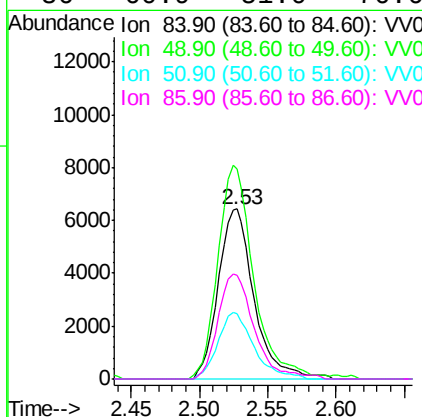
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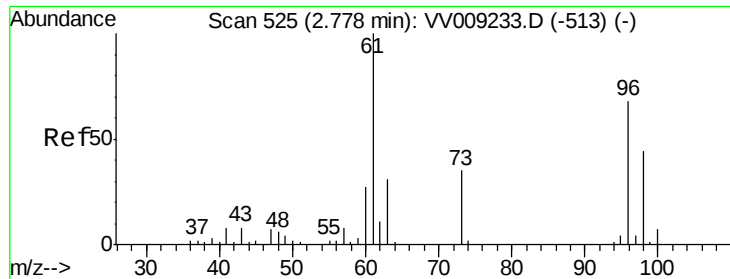
MMDadoda
1/24/2019 11:43:43 AM



#20
Methylene Chloride
Concen: 11.202 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion: 84 Resp: 11700
Ion Ratio Lower Upper
84 100
49 123.7 102.0 153.0
51 38.2 30.9 46.3
86 60.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 10.802 ug/l

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampled :

VSTDIC010

Tot Ion: 96 Resp: 10080

Ion Ratio Lower Upper

96 100

61 137.7 117.7 176.5

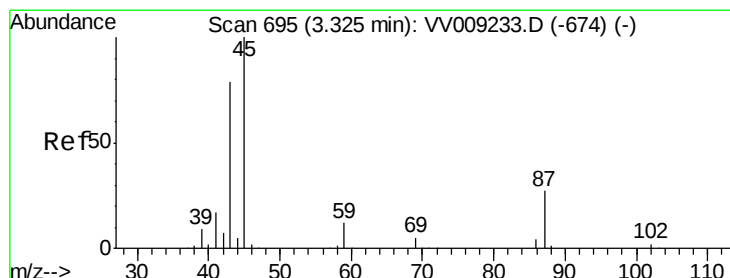
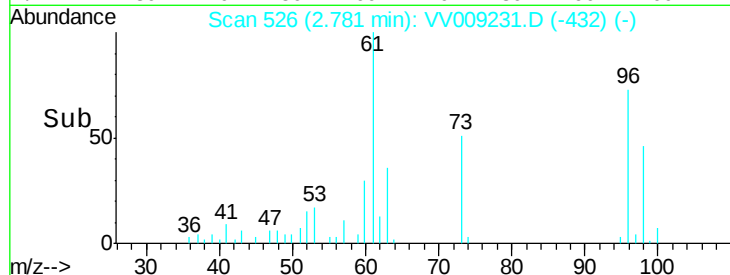
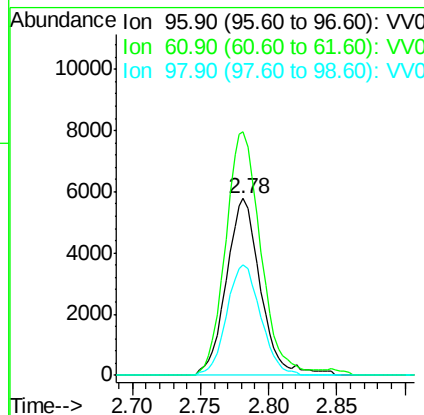
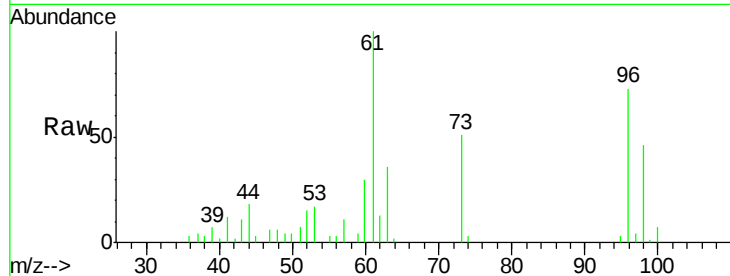
98 62.8 51.5 77.3

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#22

Diisopropyl ether

Concen: 10.194 ug/l

RT: 3.32 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion: 45 Resp: 34434

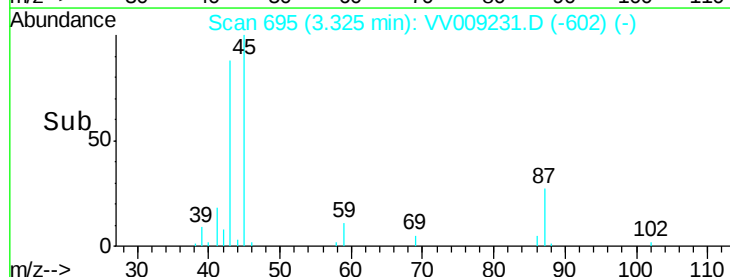
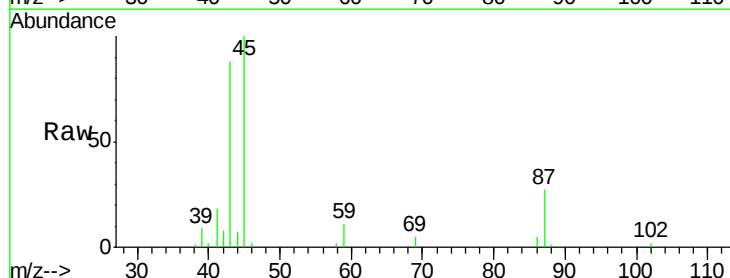
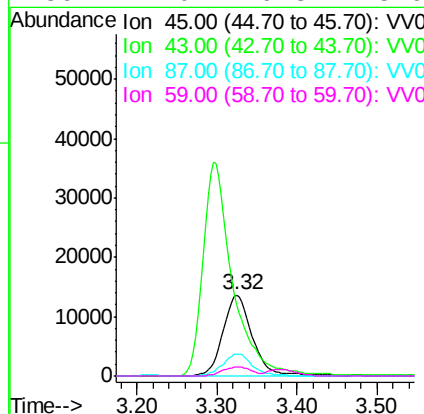
Ion Ratio Lower Upper

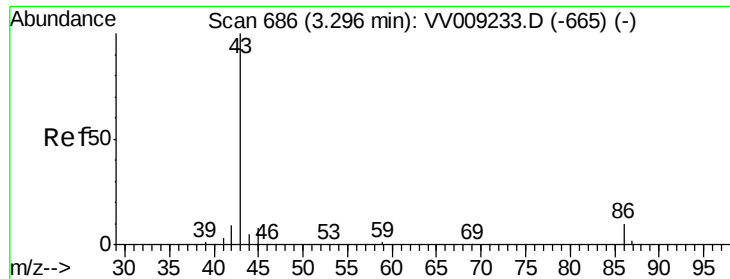
45 100

43 85.8 63.0 94.4

87 27.3 21.5 32.3

59 11.0 9.3 13.9





#23

Vinyl Acetate

Concen: 49.871 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 92981

Ion Ratio Lower Upper

43 100

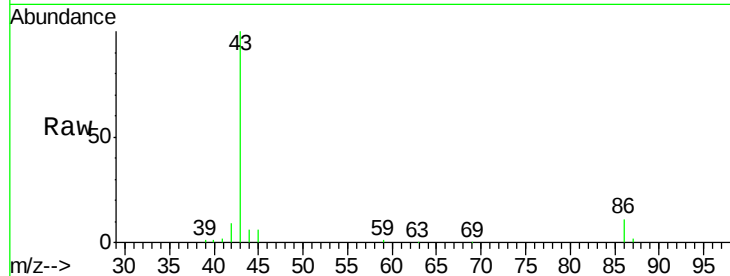
86 10.6 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

3.30

40000

30000

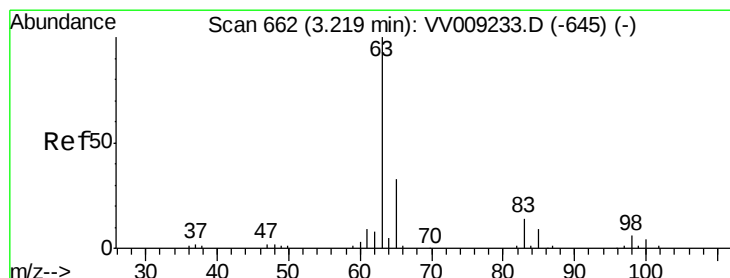
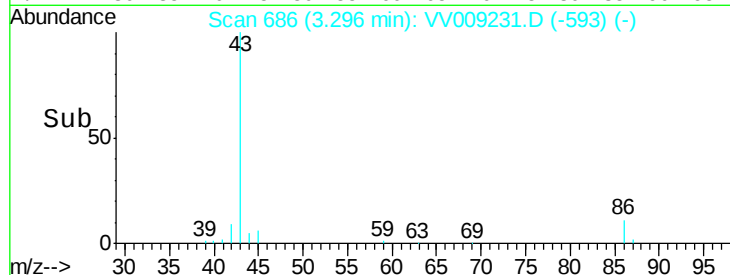
20000

10000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 10.436 ug/l

RT: 3.22 min Scan# 662

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

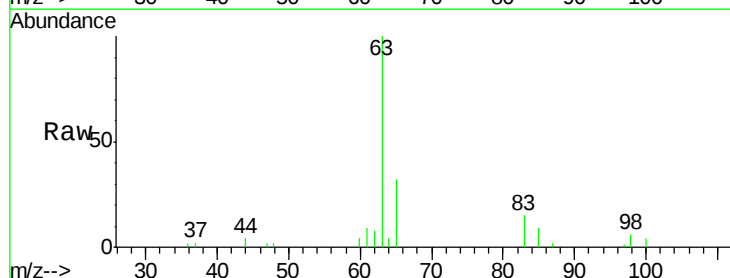
Tgt Ion: 63 Resp: 21383

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

Ion 99.90 (99.60 to 100.60): VV0

12000

10000

8000

6000

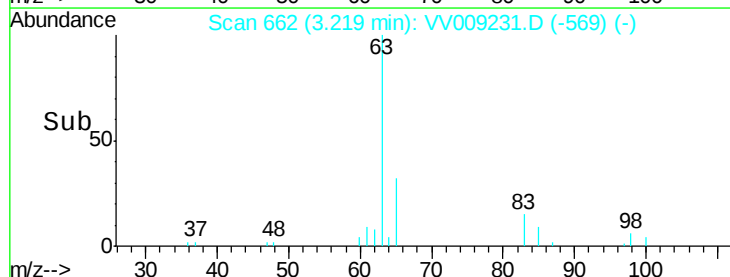
4000

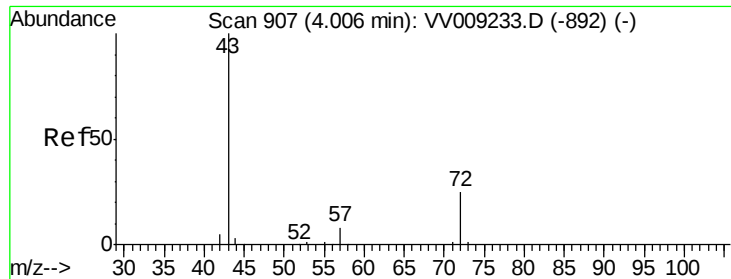
2000

0

Time-->

3.10 3.20 3.30





#25

2-Butanone

Concen: 55.508 ug/l

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tot Ion: 43 Resp: 18185

Ion Ratio Lower Upper

43 100

72 23.8 20.2 30.4

Instrument :

MSVOA_V

ClientSampleId :

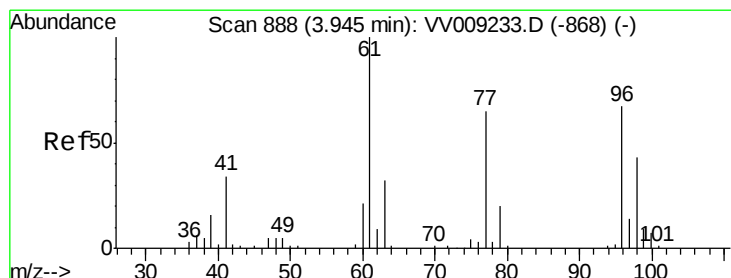
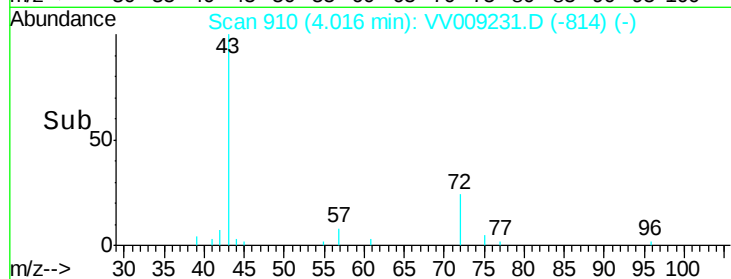
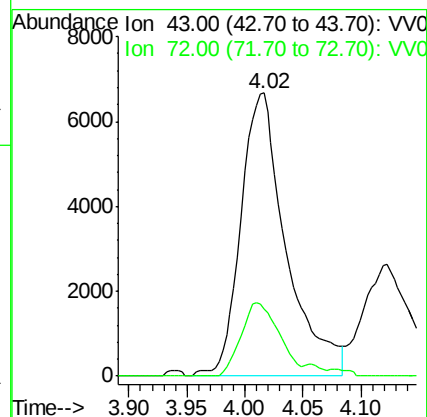
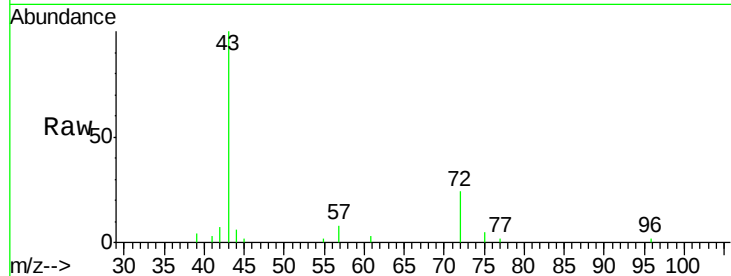
VSTDIC010

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#26

2,2-Dichloropropane

Concen: 10.095 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009231.D

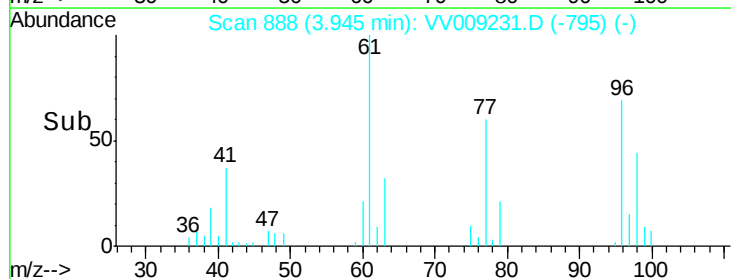
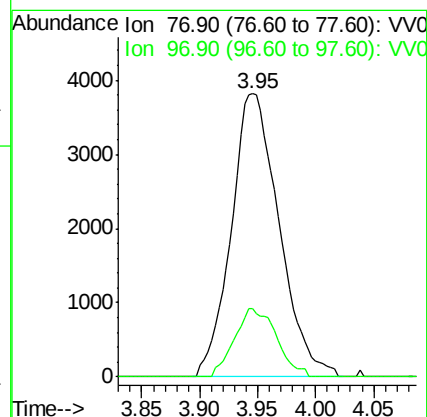
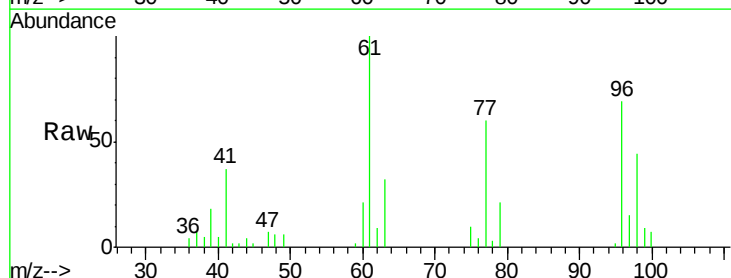
Acq: 22 Jan 2019 12:26

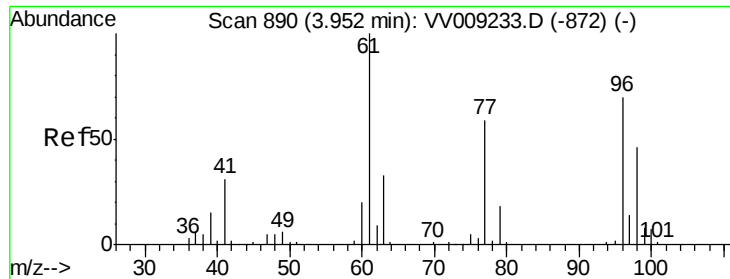
Tgt Ion: 77 Resp: 10935

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6





#27

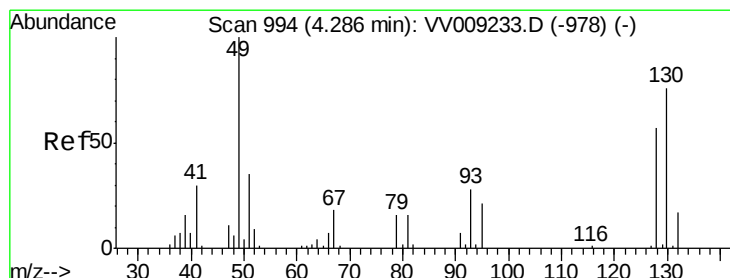
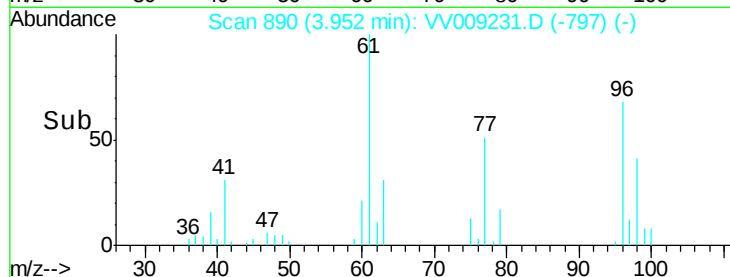
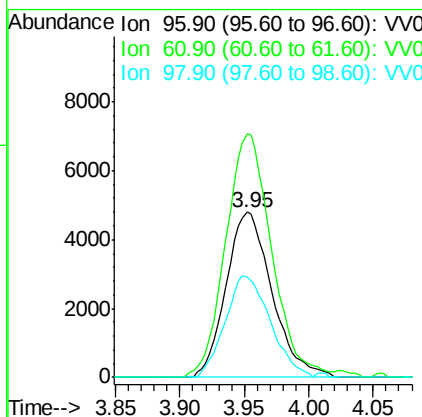
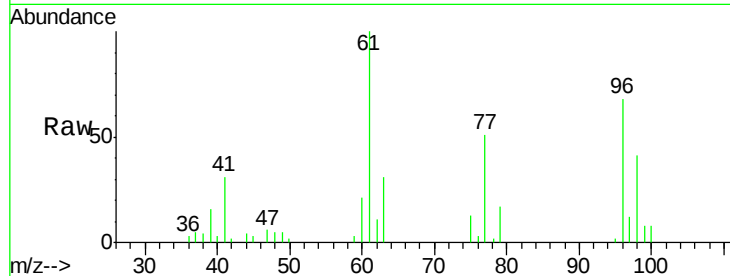
cis-1,2-Dichloroethene
Concen: 10.088 ug/l
RT: 3.95 min Scan# 890
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	296.4
98	60.1	0.0	130.0

Manual Integrations
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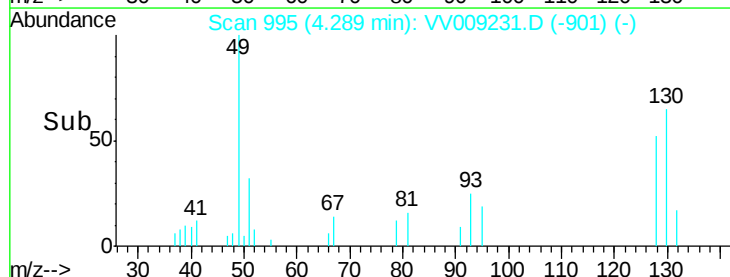
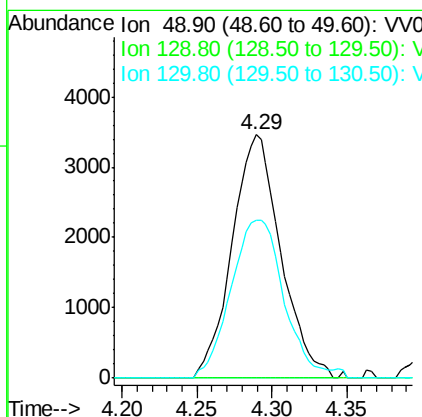
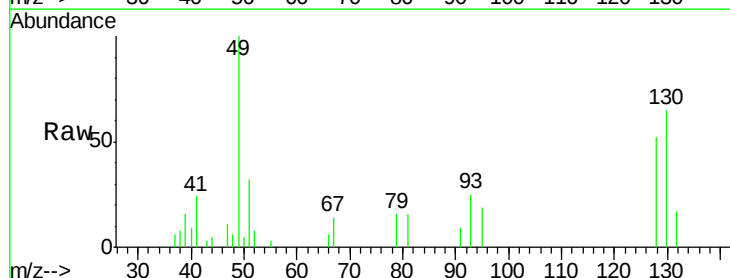
MMDadoda
1/24/2019 11:43:43 AM

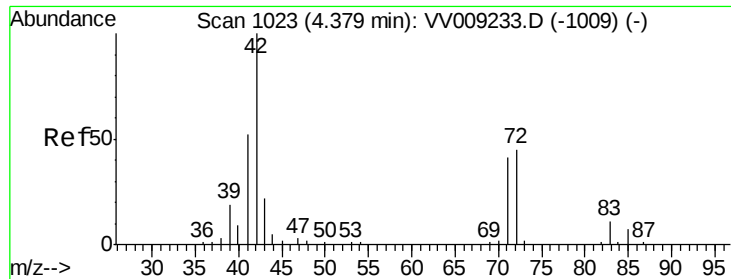


#28

Bromochloromethane
Concen: 9.943 ug/l
RT: 4.29 min Scan# 995
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	71.2	60.2	90.4





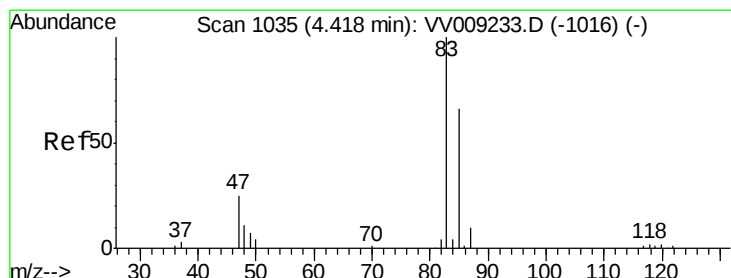
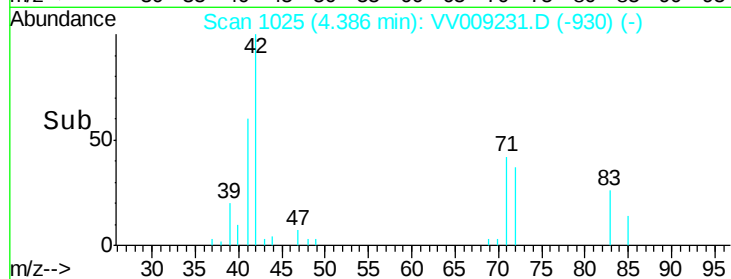
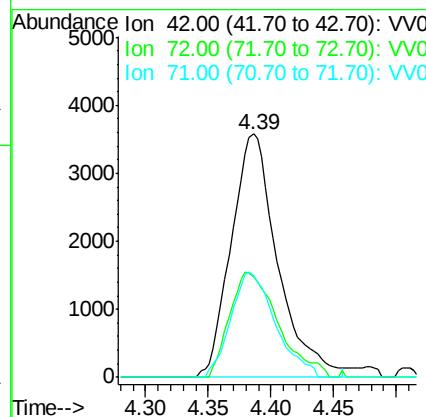
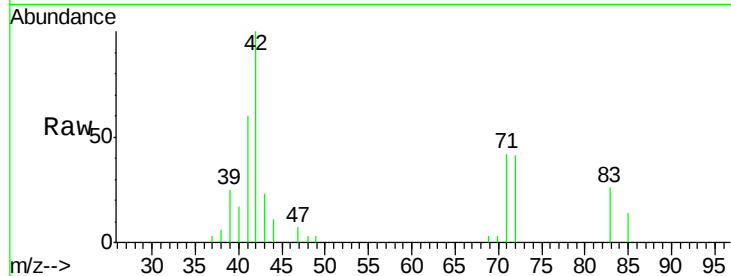
#29
Tetrahydrofuran
Concen: 49.127 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.7	56.5
71	41.2	31.5	47.3

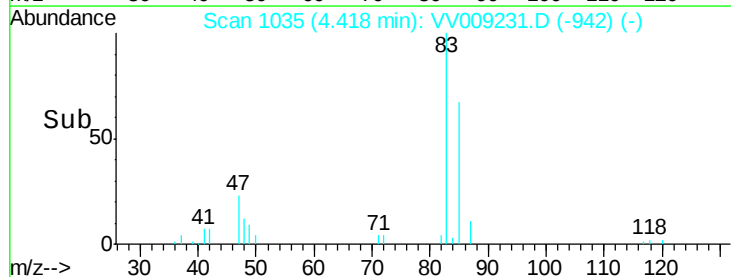
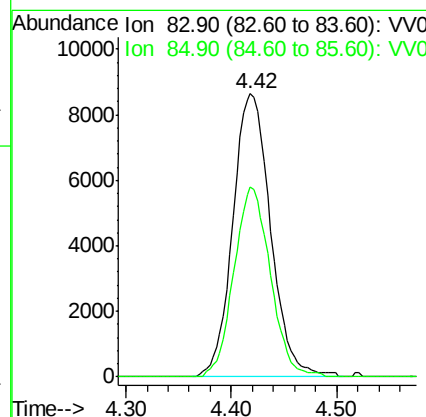
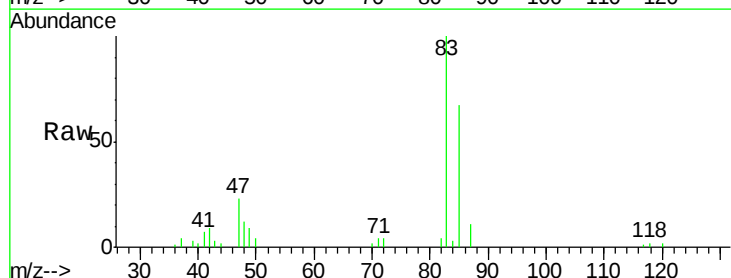
Manual Integrations
APPROVED

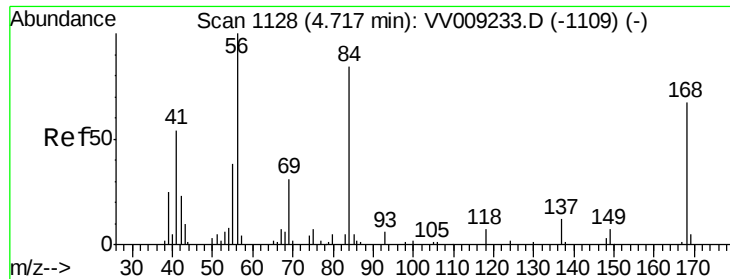
MMDadoda
1/24/2019 11:43:43 AM



#30
Chloroform
Concen: 10.094 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.6	79.0





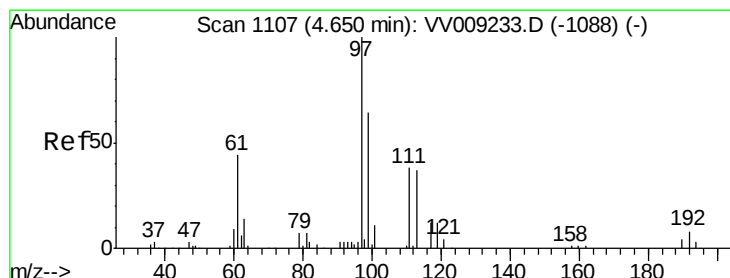
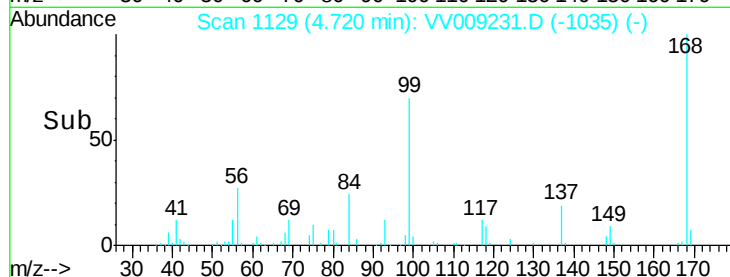
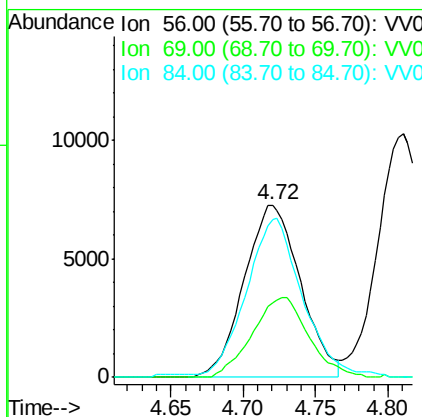
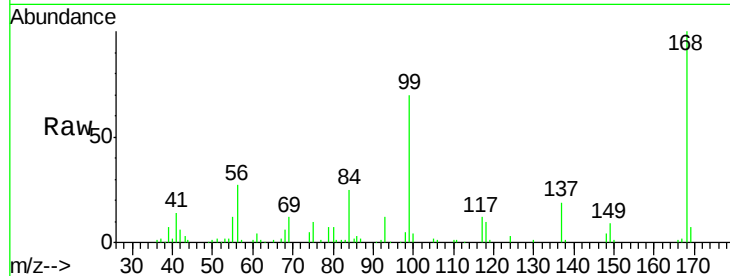
#31
Cyclohexane
Concen: 10.733 ug/l
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.3	25.1	37.7#
84	90.2	67.3	100.9

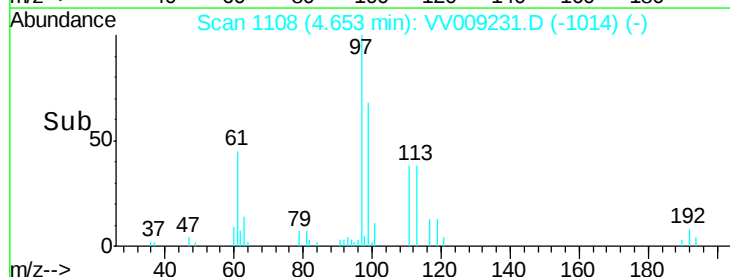
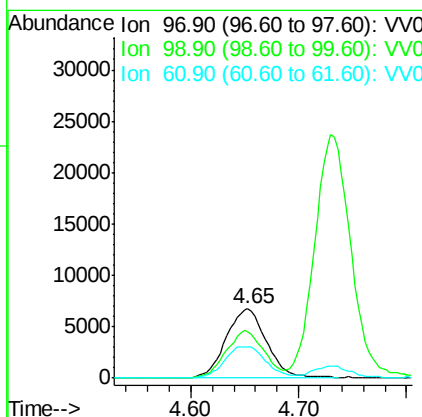
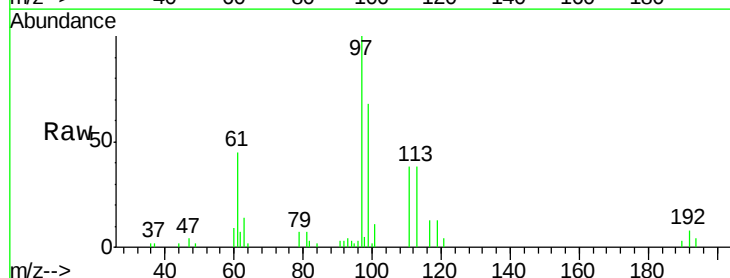
Manual Integrations
APPROVED

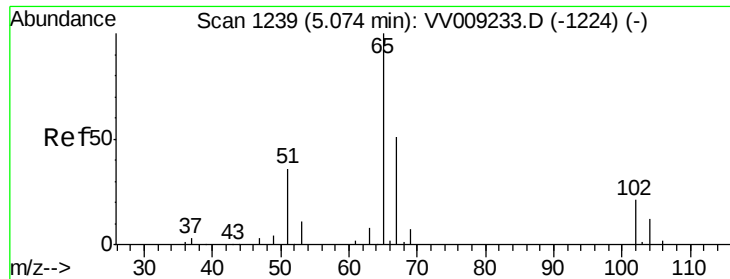
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 10.332 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.2	75.2
61	46.7	34.7	52.1





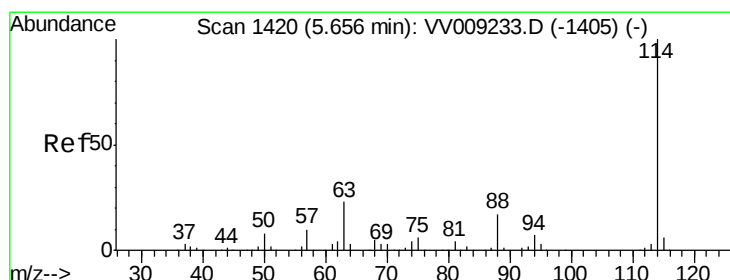
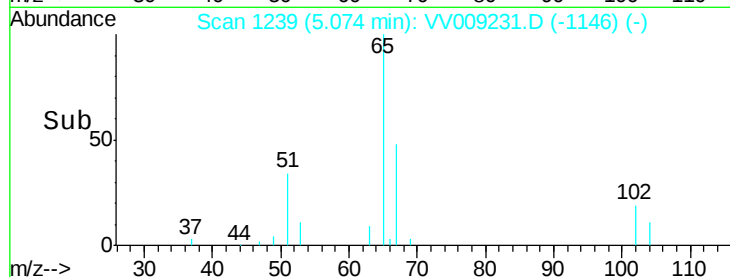
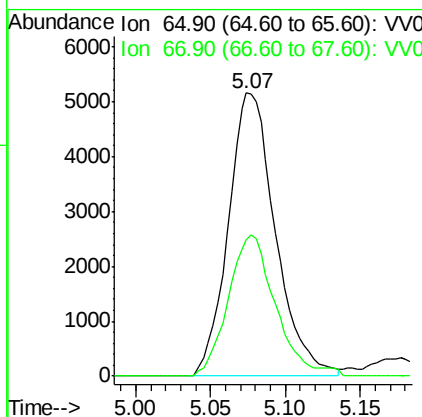
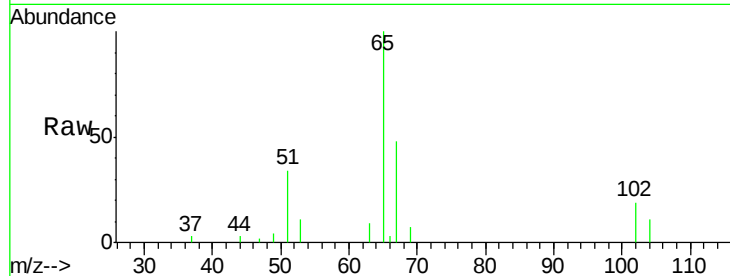
#33
 1,2-Dichloroethane-d4
 Concen: 10.006 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	102.8

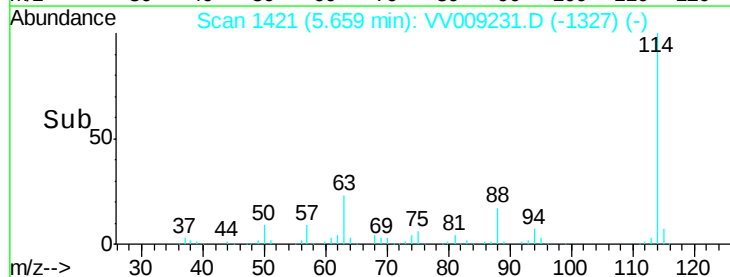
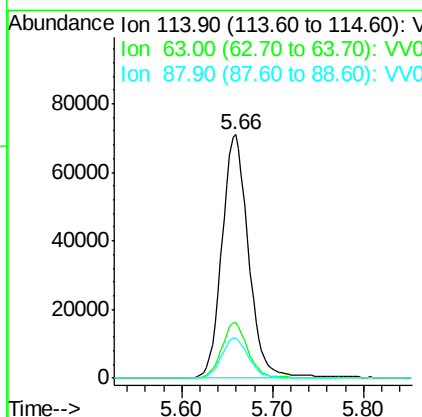
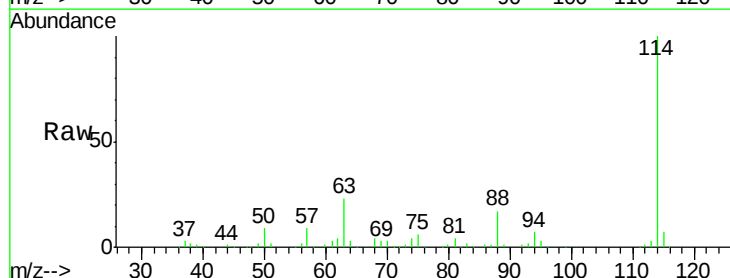
Manual Integrations
 APPROVED

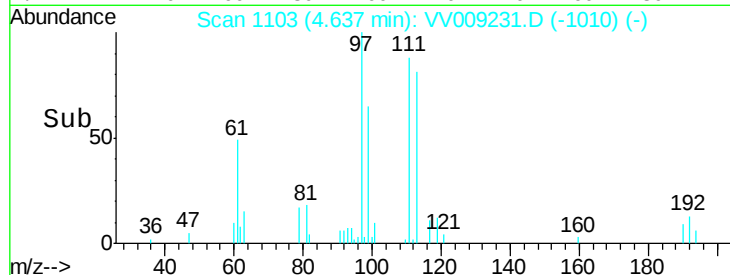
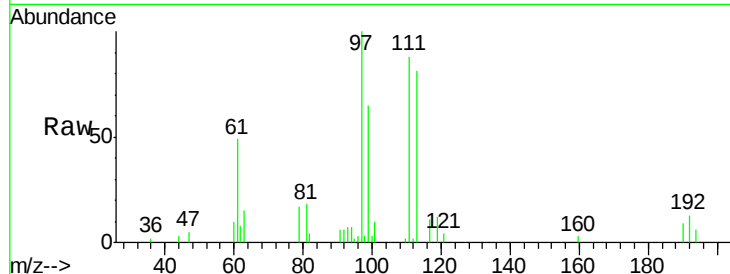
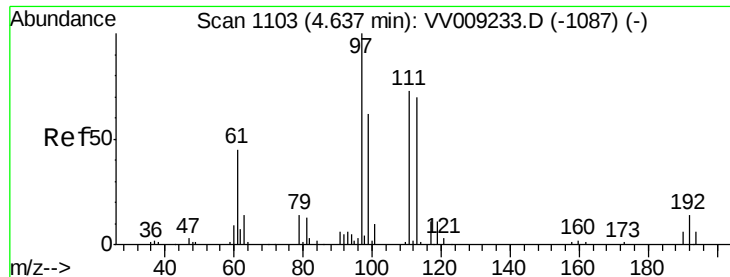
MMDadoda
 1/24/2019 11:43:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.2
88	16.5	0.0	33.4





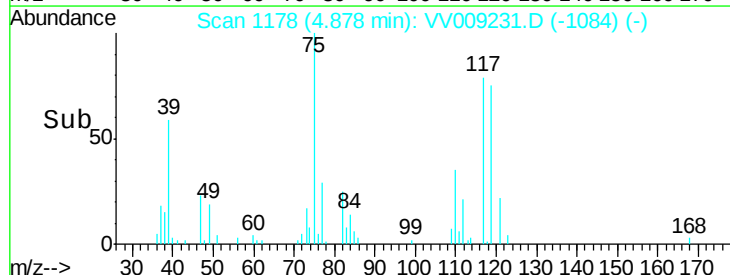
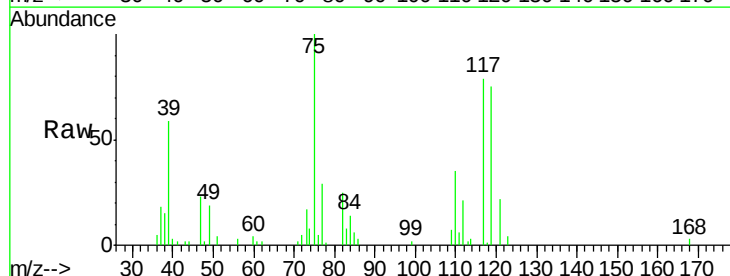
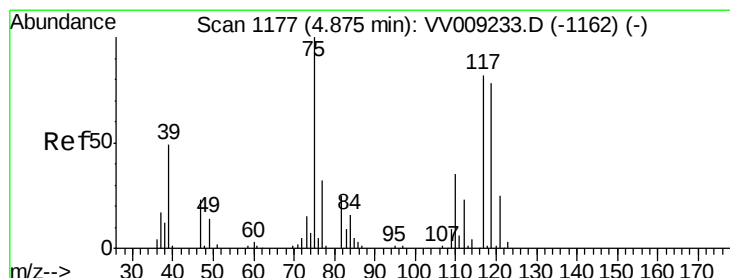
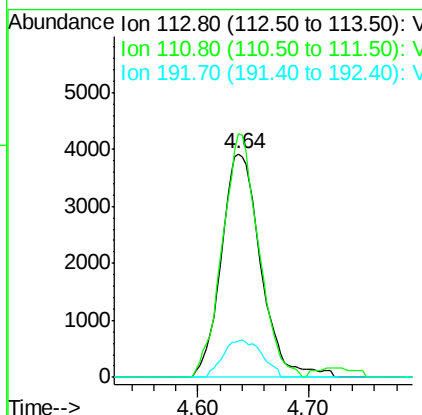
#35
Dibromofluoromethane
Concen: 10.141 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.4	123.6
192	16.4	15.0	22.6

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

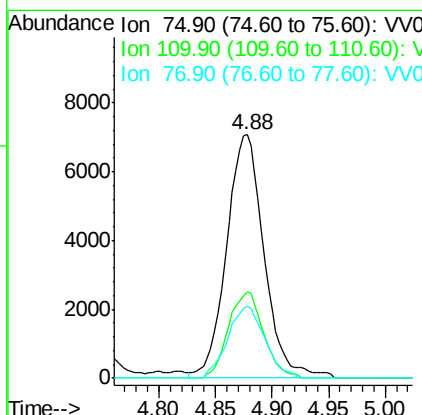
Manual Integrations
APPROVED

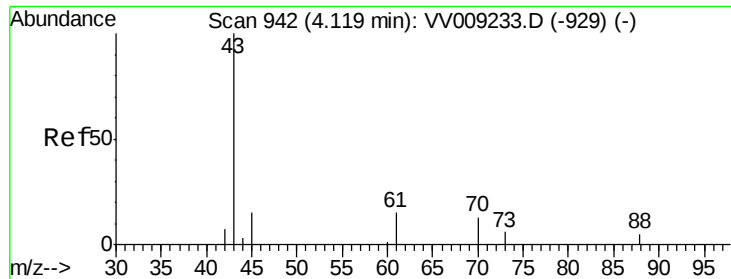
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#36
1,1-Dichloropropene
Concen: 10.463 ug/l
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	17.5	52.5
77	28.9	25.5	38.3





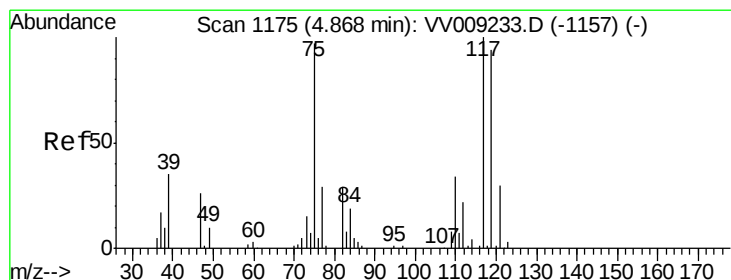
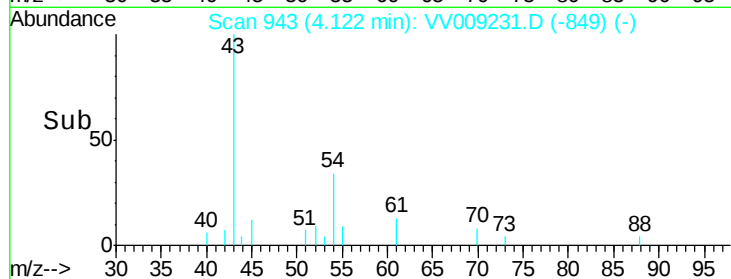
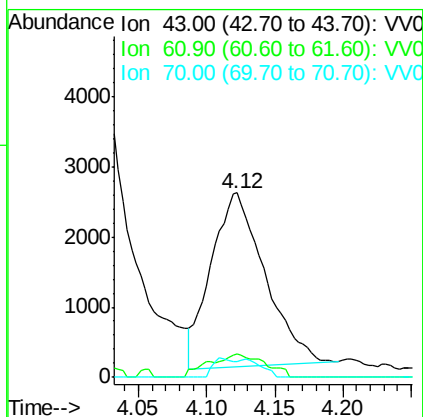
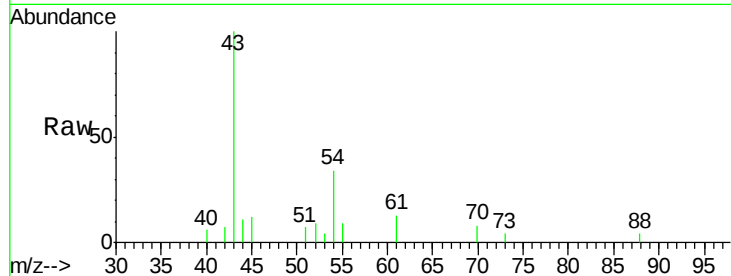
#37
Ethyl Acetate
Concen: 10.418 ug/l
RT: 4.12 min Scan# 943
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.0	18.0
70	3.9	8.7	13.1

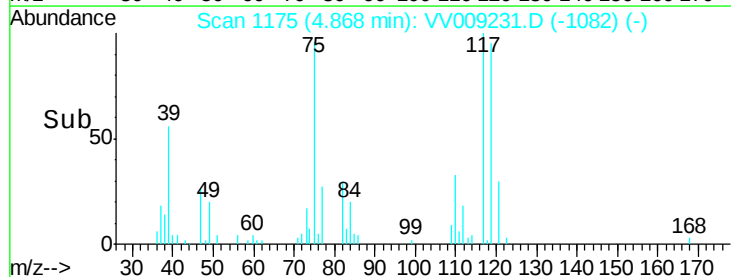
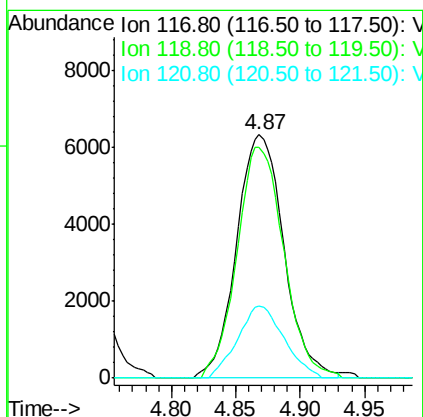
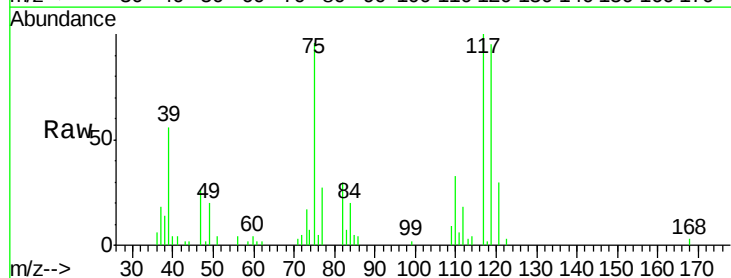
Manual Integrations
APPROVED

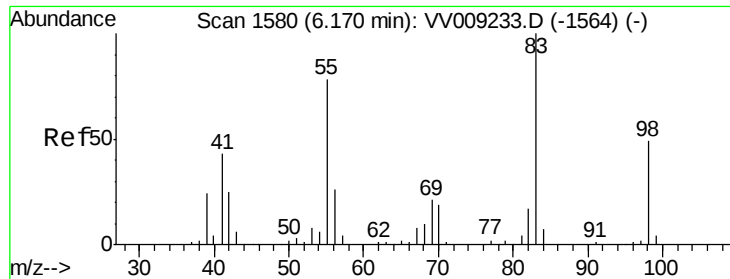
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#38
Carbon Tetrachloride
Concen: 10.400 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.4	113.2
121	29.8	24.2	36.2





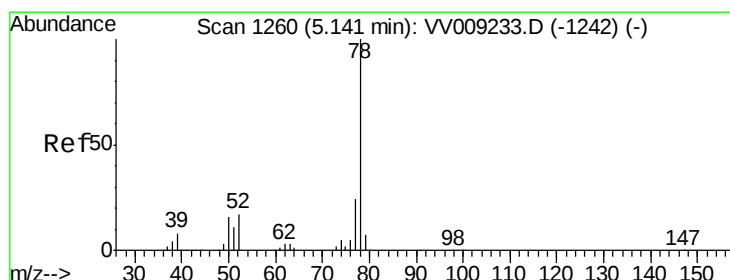
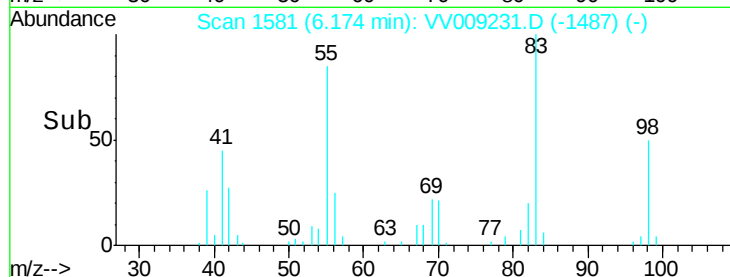
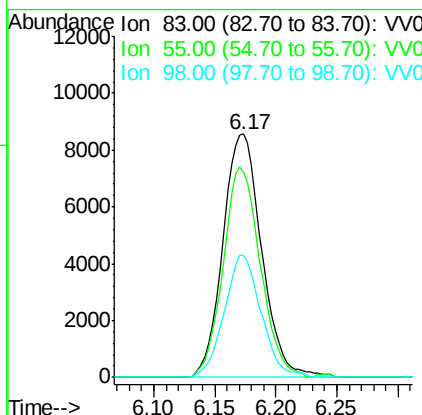
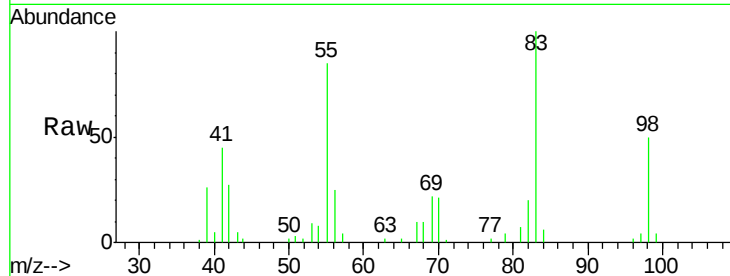
#39
Methvlcvclohexane
Concen: 10.557 ug/l
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	62.8	94.2
98	50.0	39.1	58.7

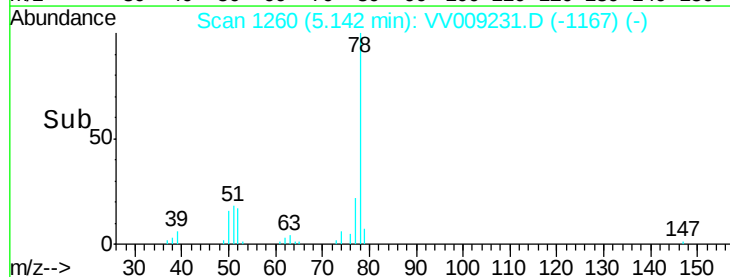
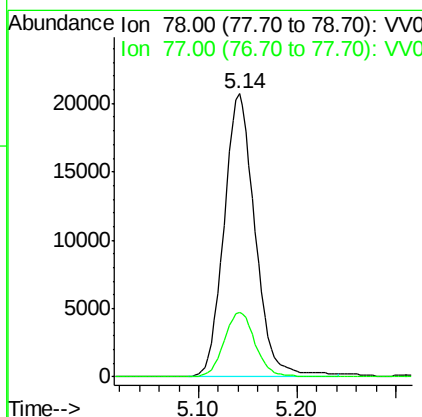
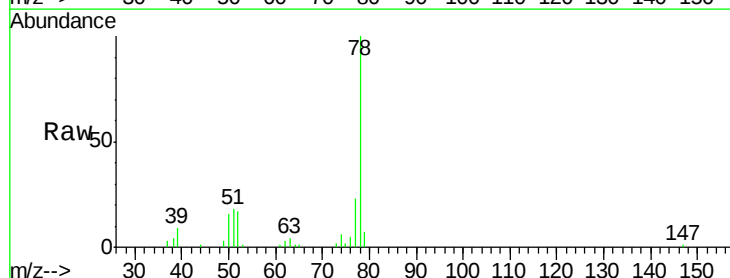
Manual Integrations
APPROVED

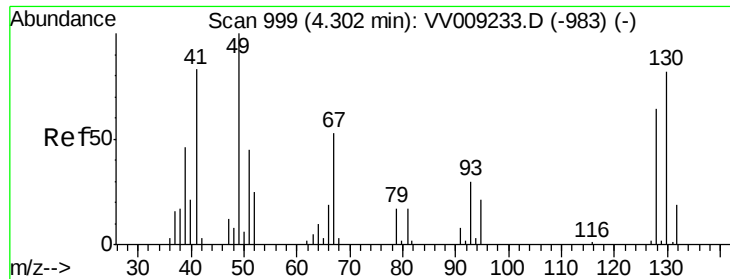
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#40
Benzene
Concen: 10.316 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.4	29.2





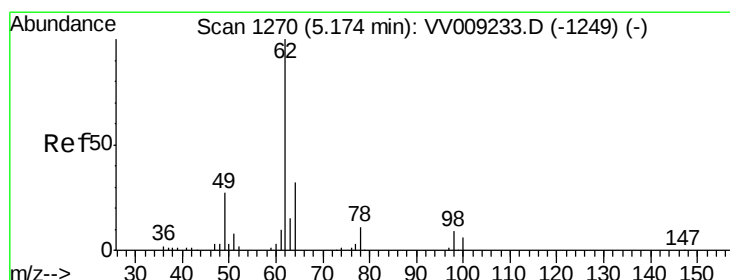
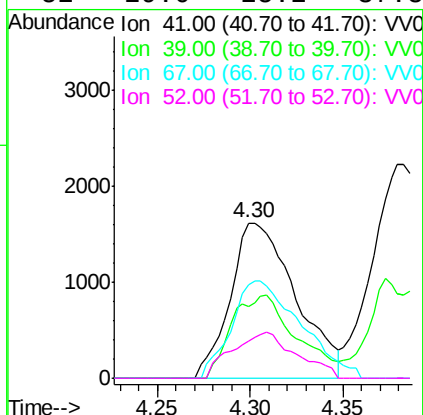
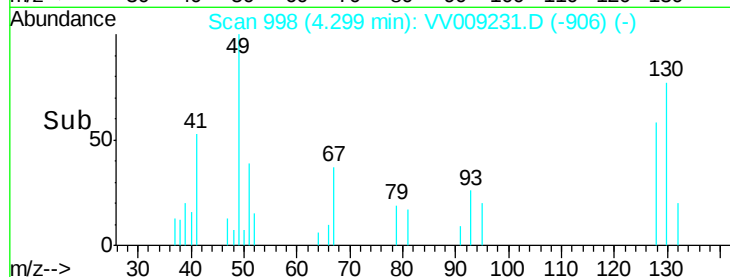
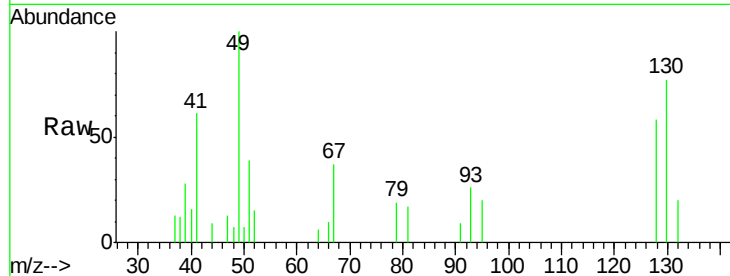
#41
Methacrylonitrile
Concen: 10.381 ug/l
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
3971	41	100		
	39	52.9	45.4	68.0
	67	66.2	55.5	83.3
	52	29.0	25.2	37.8

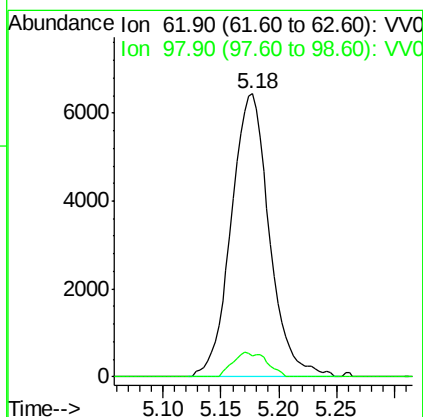
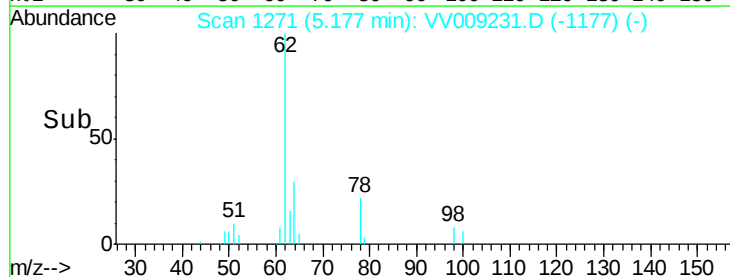
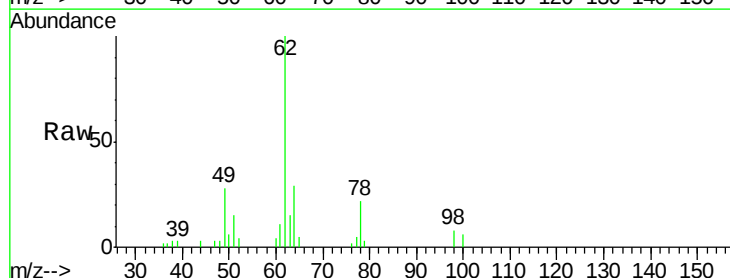
Manual Integrations
APPROVED

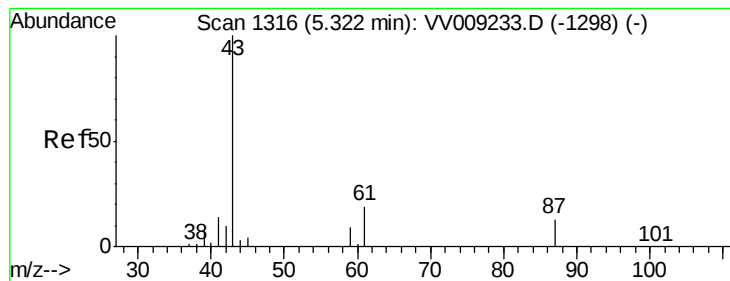
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1/24/2019 11:43:43 AM



#42
1,2-Dichloroethane
Concen: 10.007 ug/l
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ion	Ratio	Lower	Upper
14750	62	100		
	98	7.7	0.0	16.4





#43

Isopropyl Acetate

Concen: 9.688 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

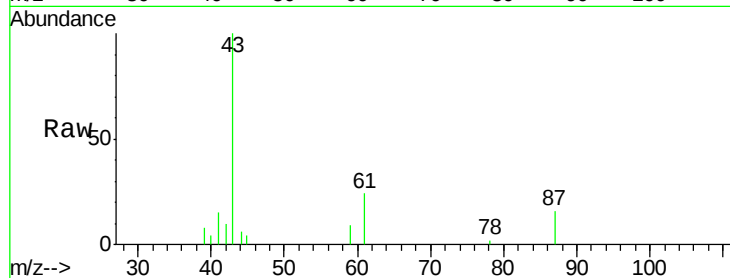
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	12576
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	12.7	9.9	14.9

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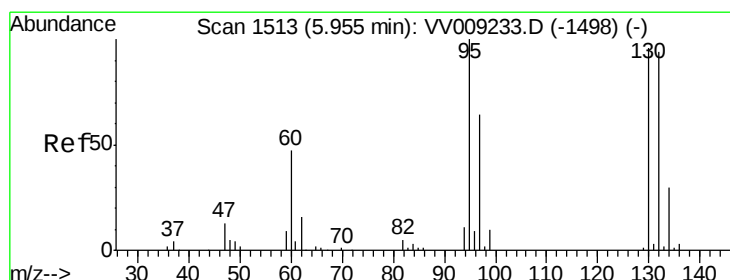
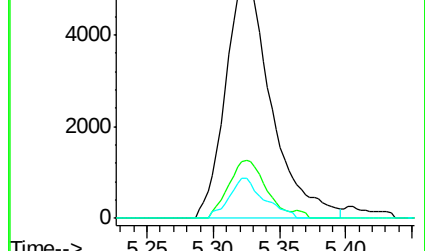
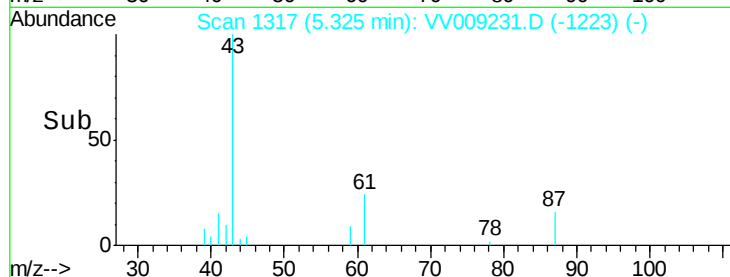


Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-1298) (-)

Ion 61.00 (60.70 to 61.70): VV009233.D (-1298) (-)

Ion 87.00 (86.70 to 87.70): VV009233.D (-1298) (-)

Time-->



#44

Trichloroethene

Concen: 10.190 ug/l

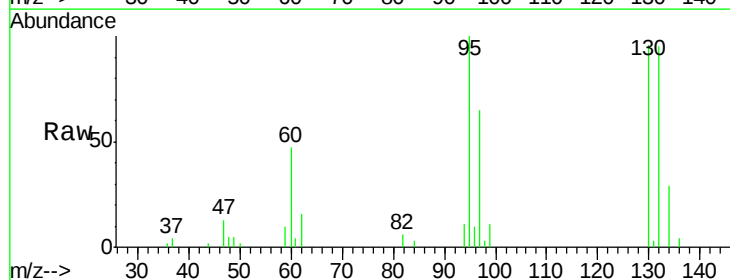
RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

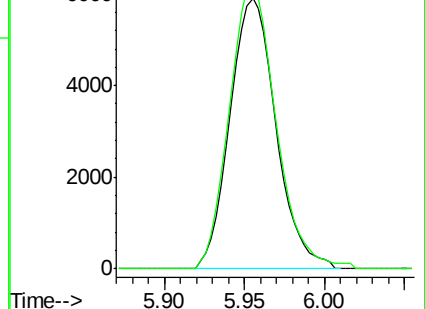
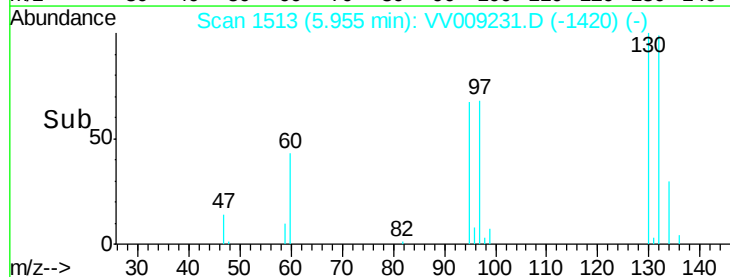
Tgt Ion:	130	Resp:	11590
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	208.2

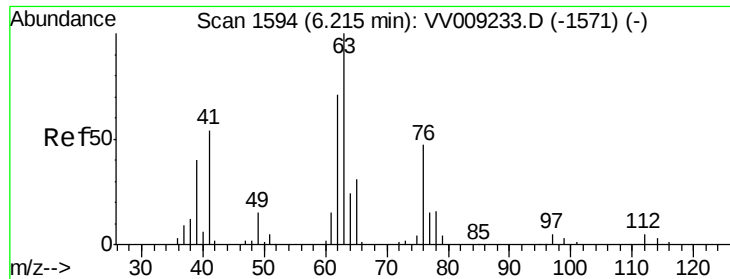


Abundance Ion 129.80 (129.50 to 130.50): VV009233.D (-1498) (-)

Ion 94.90 (94.60 to 95.60): VV009233.D (-1498) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 10.400 ug/l

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 11197

Ion Ratio Lower Upper

63 100

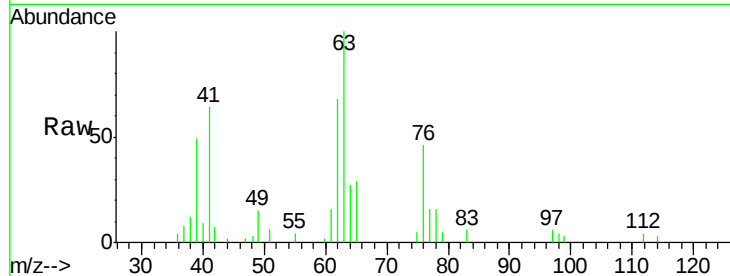
65 29.2 25.1 37.7

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Abundance Ion 62.90 (62.60 to 63.60): VV009231.D (-1501) (-)

Ion 64.90 (64.60 to 65.60): VV009231.D (-1501) (-)

6.22

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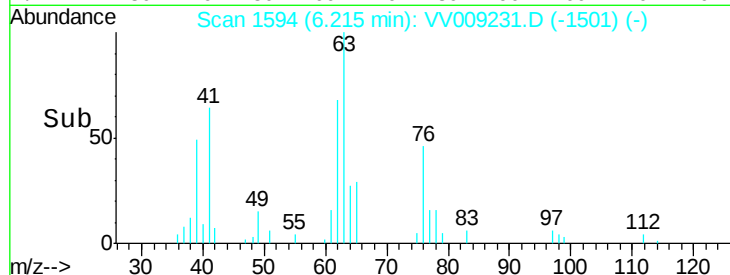
6.22

6.22

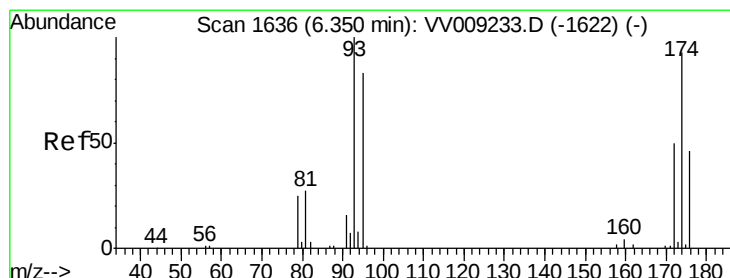
6.22

6.22

6.22



Time-->



#46

Dibromomethane

Concen: 9.440 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

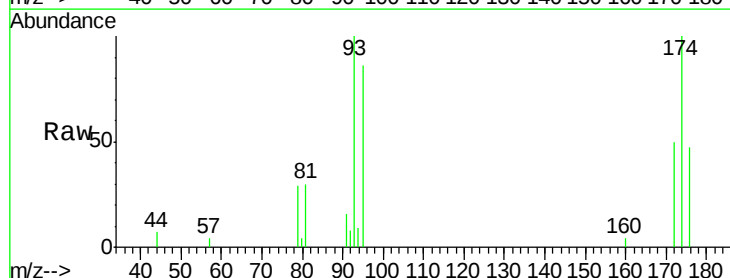
Tgt Ion: 93 Resp: 5538

Ion Ratio Lower Upper

93 100

95 85.5 64.6 97.0

174 97.4 74.0 111.0



Abundance Ion 92.80 (92.50 to 93.50): VV009231.D (-1543) (-)

Ion 94.80 (94.50 to 95.50): VV009231.D (-1543) (-)

Ion 173.70 (173.40 to 174.40): VV009231.D (-1543) (-)

6.35

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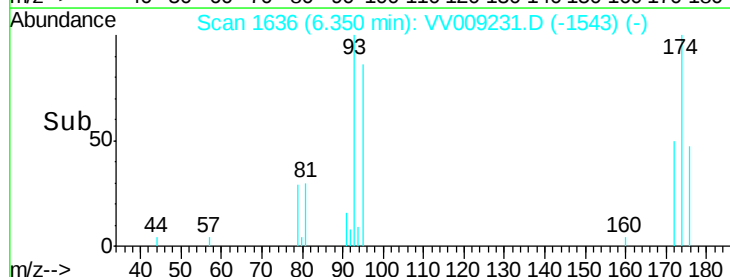
6.35

6.35

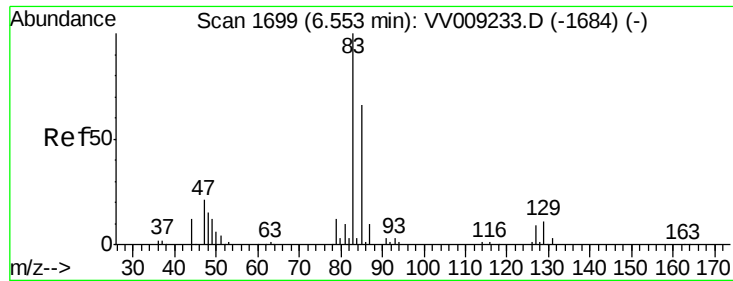
6.35

6.35

6.35



Time-->



#47

Bromodichloromethane

Concen: 9.615 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

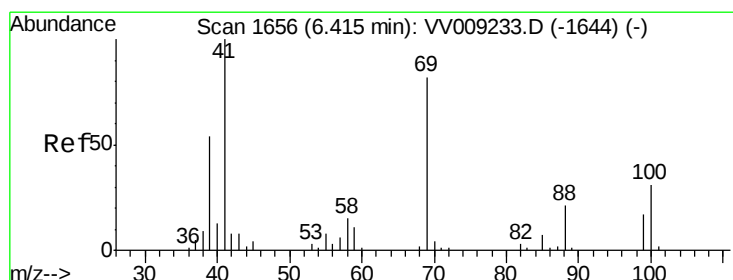
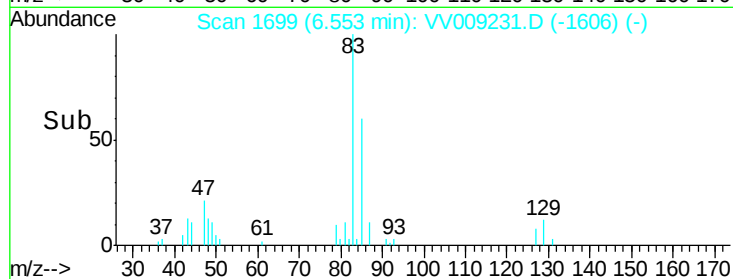
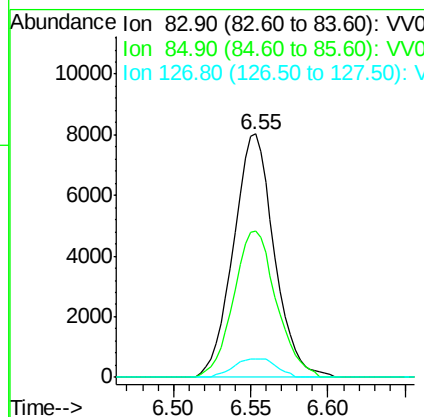
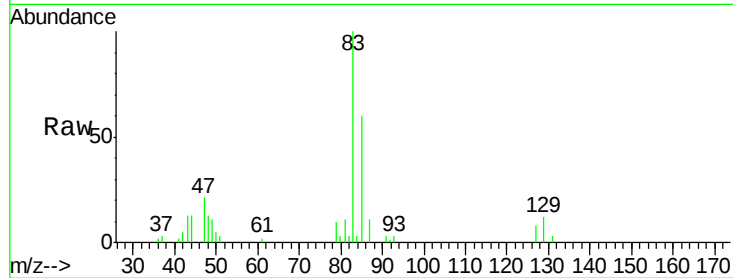
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	14714
Ion	Ratio	Lower	Upper
83	100		
85	60.0	52.6	78.8
127	7.6	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.768 ug/l

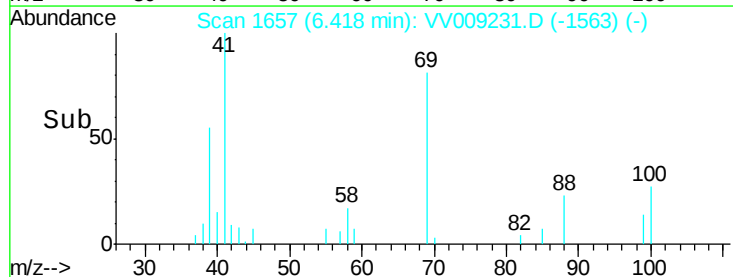
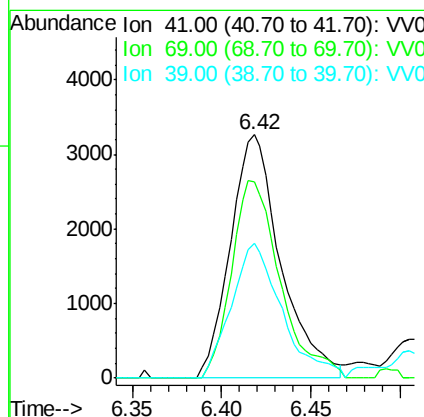
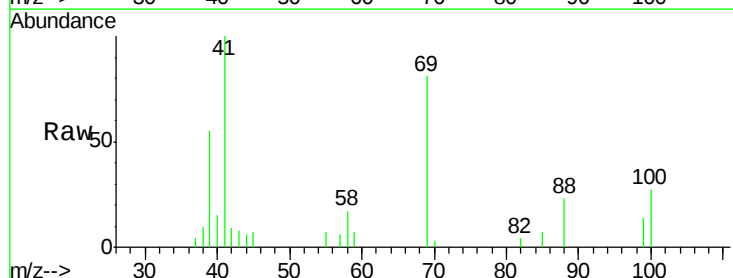
RT: 6.42 min Scan# 1657

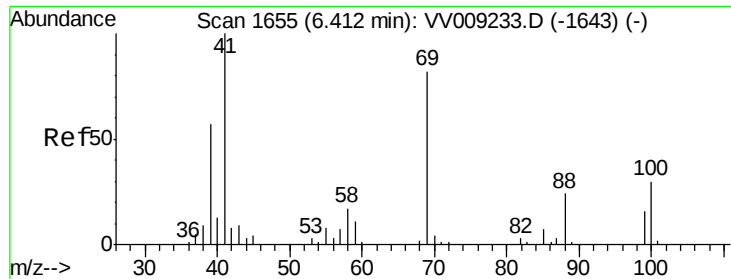
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion:	41	Resp:	6427
Ion	Ratio	Lower	Upper
41	100		
69	78.1	65.8	98.6
39	55.3	43.4	65.0





#49

1,4-Dioxane

Concen: 189.063 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

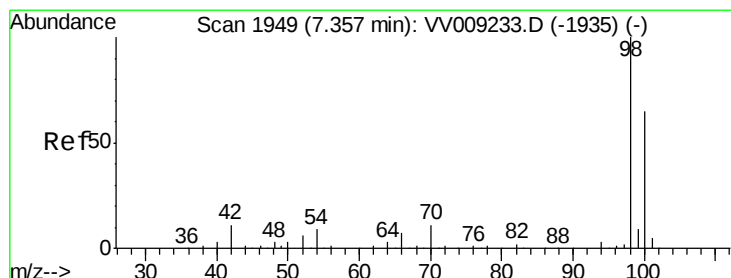
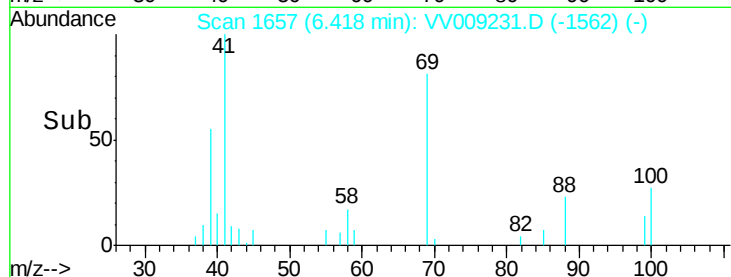
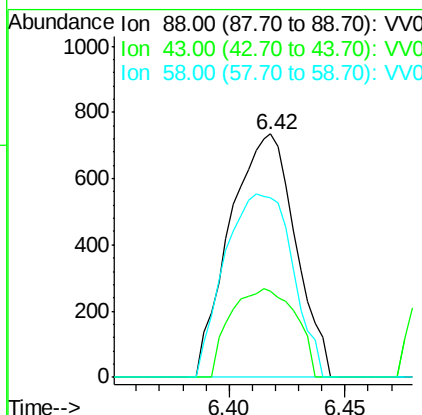
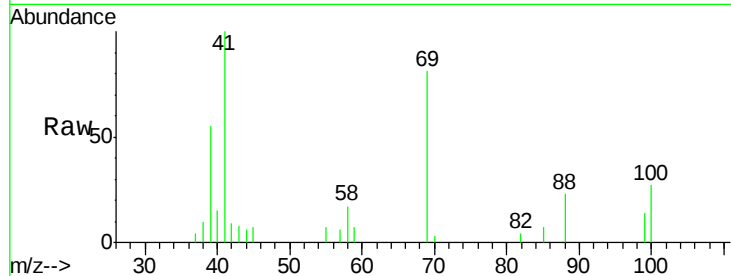
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	1439
Ion	Ratio	Lower	Upper
88	100		
43	36.3	31.9	47.9
58	78.3	62.0	93.0

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#50

Toluene-d8

Concen: 9.773 ug/l

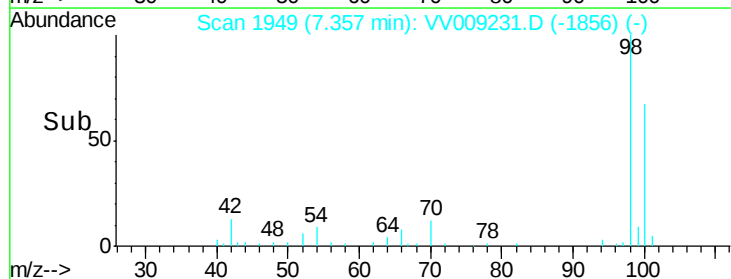
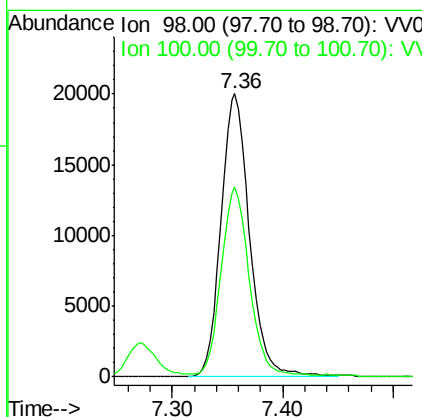
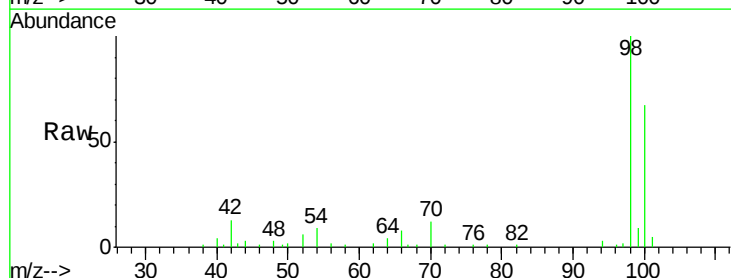
RT: 7.36 min Scan# 1949

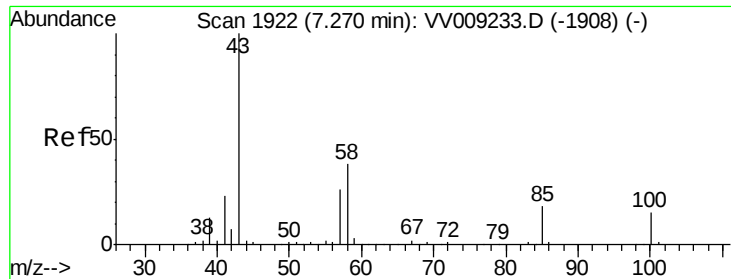
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion:	98	Resp:	36000
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 48.817 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 31700

Ion Ratio Lower Upper

43 100

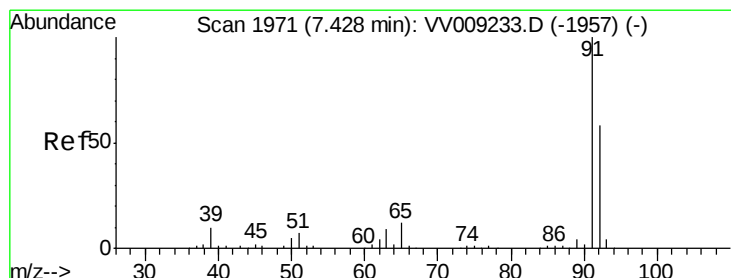
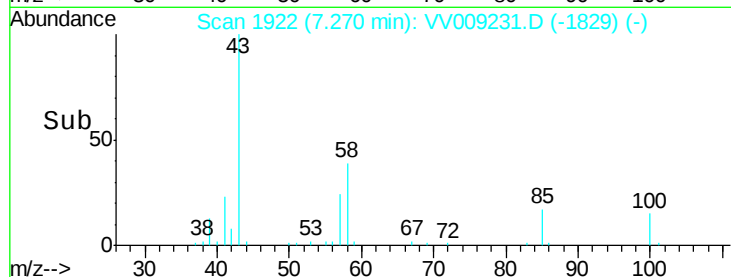
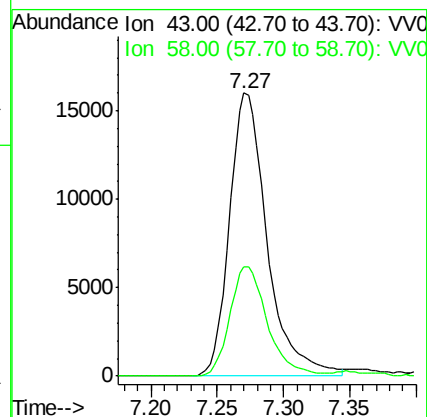
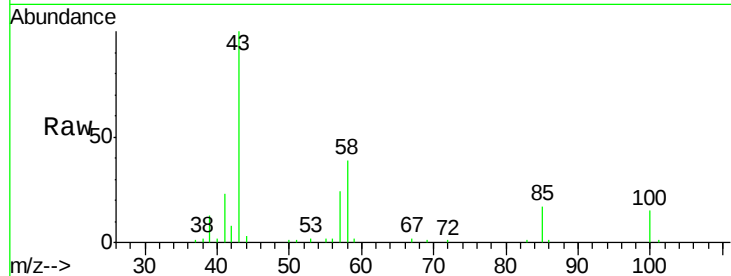
58 38.3 30.4 45.6

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#52

Toluene

Concen: 10.360 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009231.D

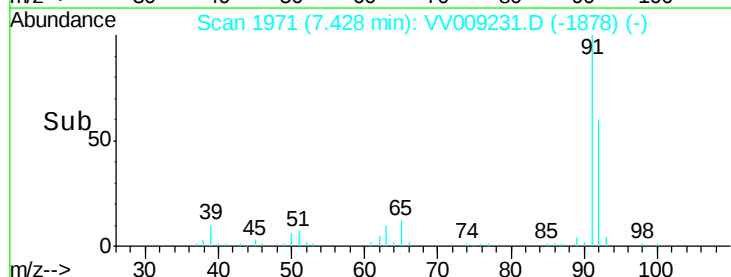
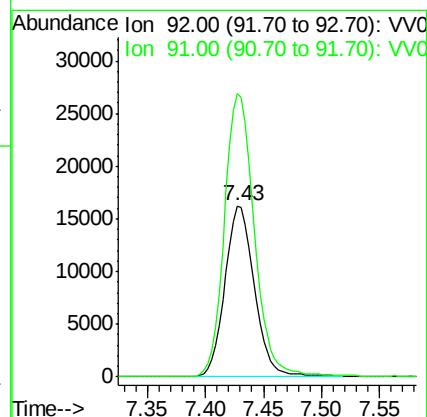
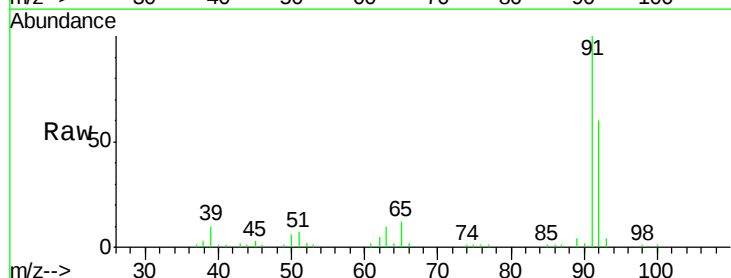
Acq: 22 Jan 2019 12:26

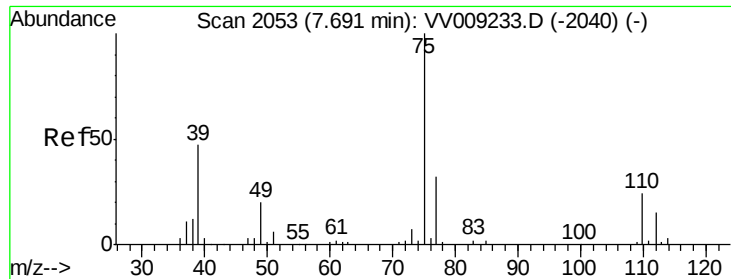
Tgt Ion: 92 Resp: 28728

Ion Ratio Lower Upper

92 100

91 167.0 137.2 205.8





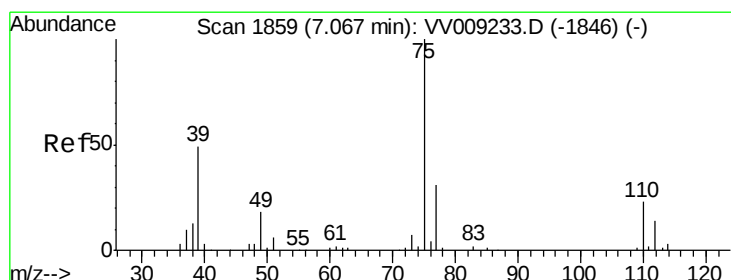
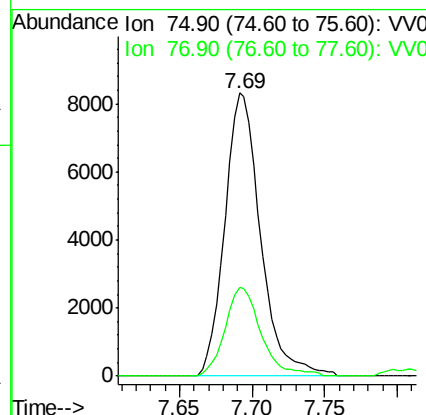
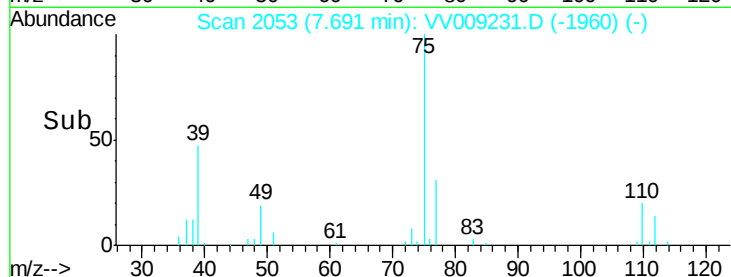
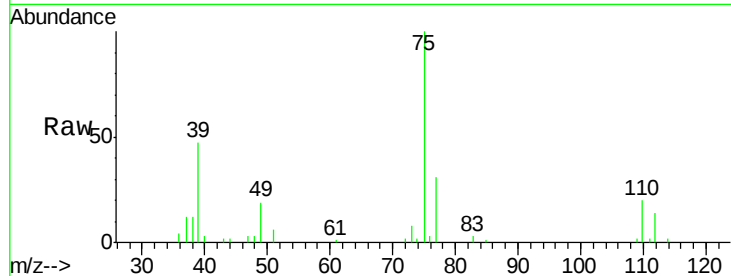
#53
t-1,3-Dichloropropene
Concen: 9.581 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 14265
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8

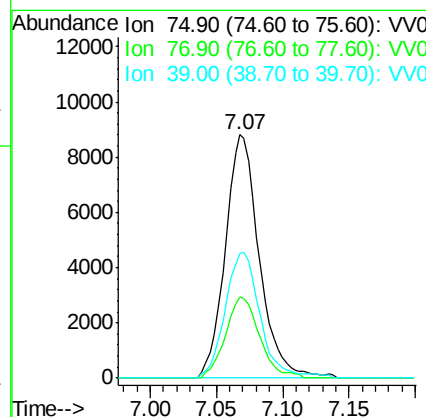
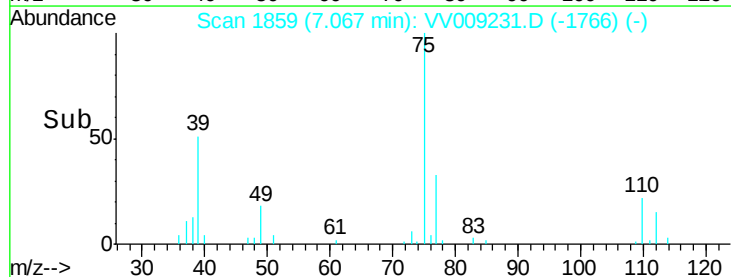
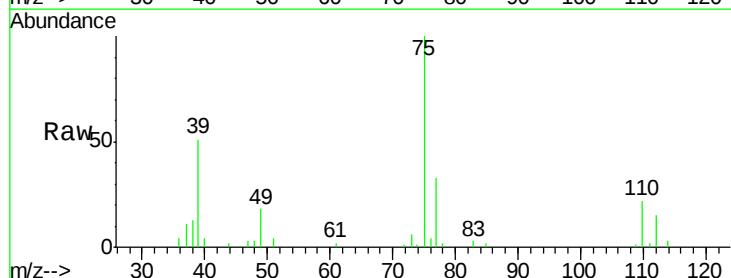
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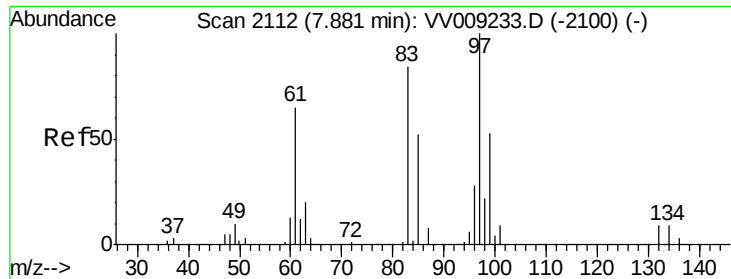
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 9.307 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion: 75 Resp: 15700
Ion Ratio Lower Upper
75 100
77 33.4 25.1 37.7
39 51.0 38.8 58.2





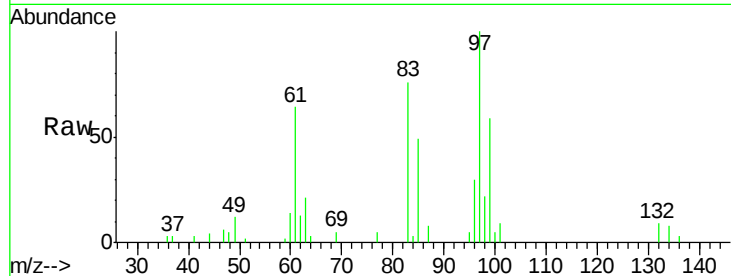
#55
 1,1,2-Trichloroethane
 Concen: 10.318 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

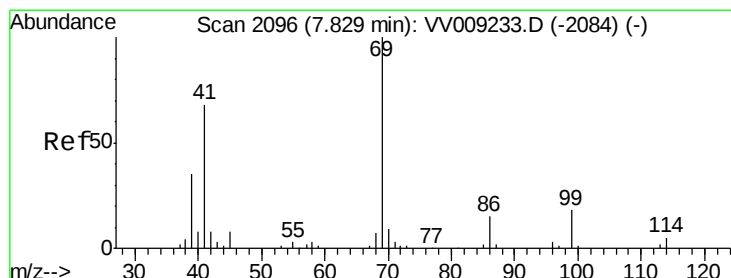
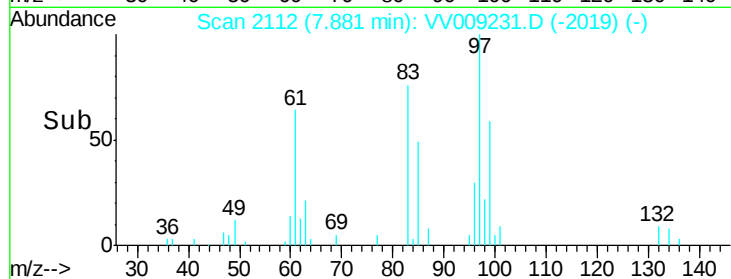
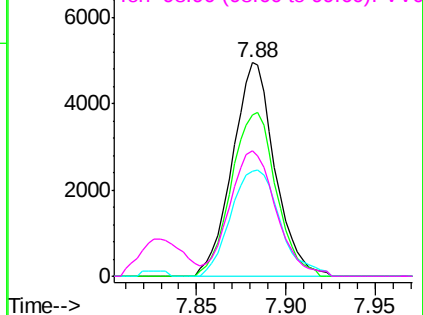
Tot Ion:	97	Resp:	8201
Ion	Ratio	Lower	Upper
97	100		
83	75.7	67.4	101.0
85	49.5	42.6	64.0
99	58.8	51.1	76.7

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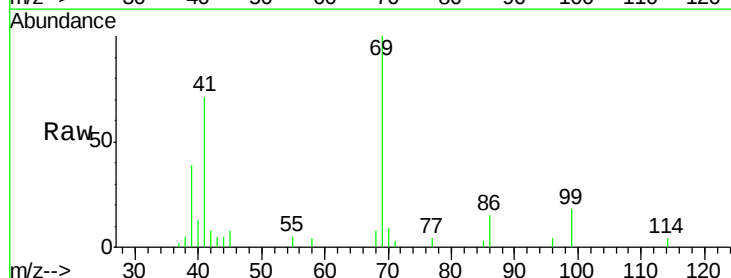


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

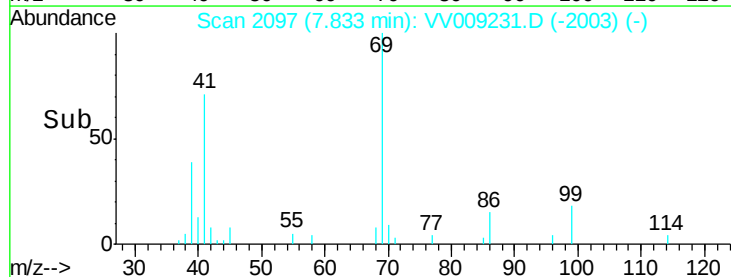
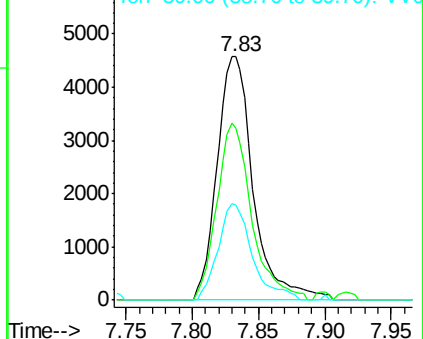


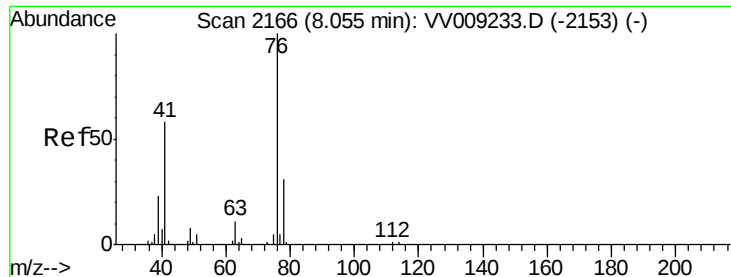
#56
 Ethyl methacrylate
 Concen: 9.004 ug/l
 RT: 7.83 min Scan# 2097
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Tgt Ion:	69	Resp:	8670
Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.0	81.0
39	37.3	26.8	40.2



Abundance Ion 69.00 (68.70 to 69.70): VV0
 Ion 41.00 (40.70 to 41.70): VV0
 Ion 39.00 (38.70 to 39.70): VV0





#57

1,3-Dichloropropane

Concen: 10.050 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 14725

Ion Ratio Lower Upper

76 100

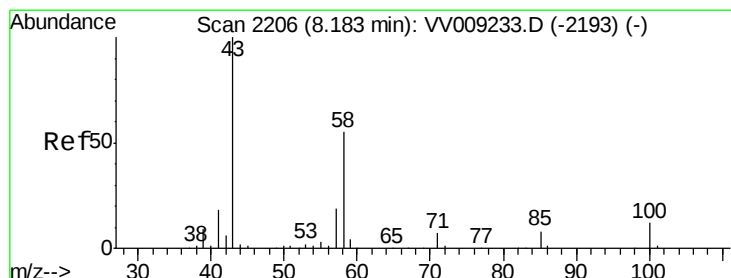
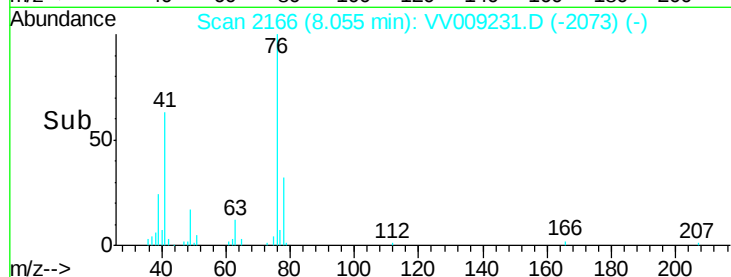
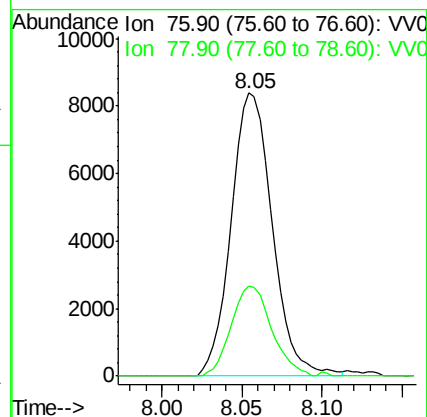
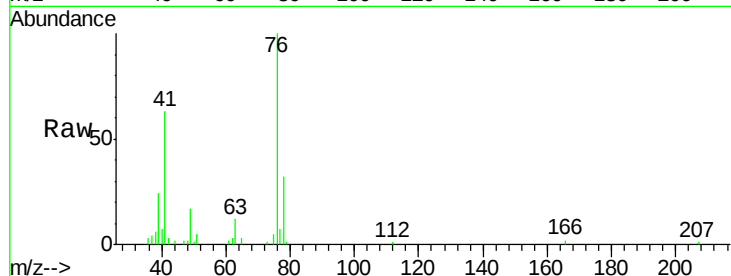
78 31.2 25.5 38.3

Manual Integrations

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#59

2-Hexanone

Concen: 47.660 ug/l

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV009231.D

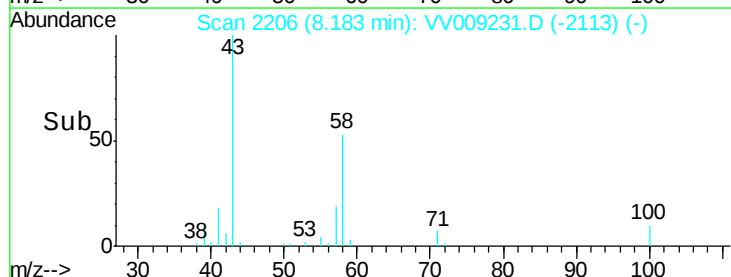
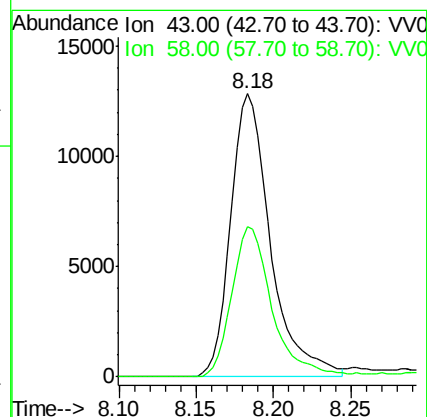
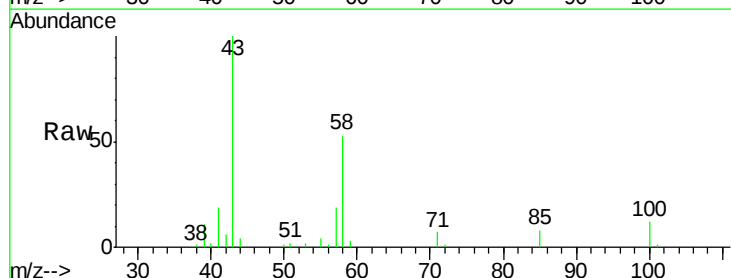
Acq: 22 Jan 2019 12:26

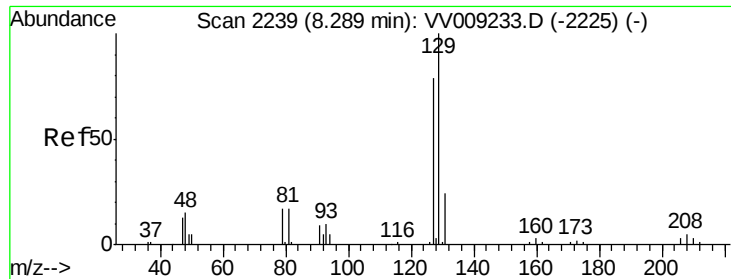
Tgt Ion: 43 Resp: 22940

Ion Ratio Lower Upper

43 100

58 53.3 27.5 82.5





#60

Dibromochloromethane

Concen: 9.447 ug/l

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion:129 Resp: 8941

Ion Ratio Lower Upper

129 100

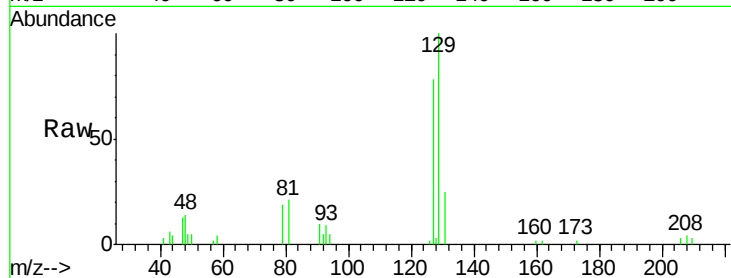
127 77.8 38.8 116.4

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.29

6000

5000

4000

3000

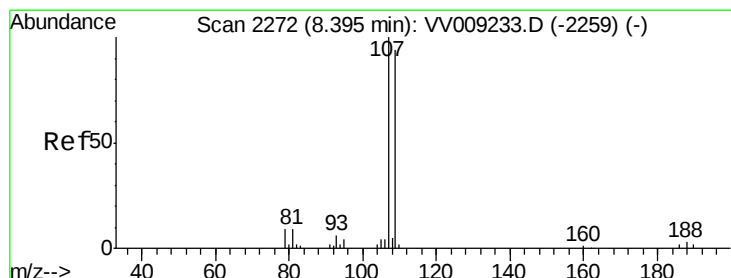
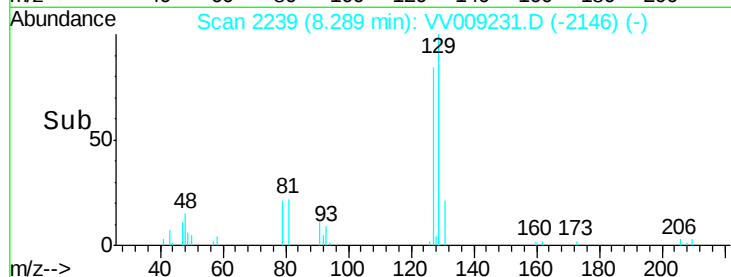
2000

1000

0

8.25 8.30 8.35

Time-->



#61

1,2-Dibromoethane

Concen: 9.899 ug/l

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV009231.D

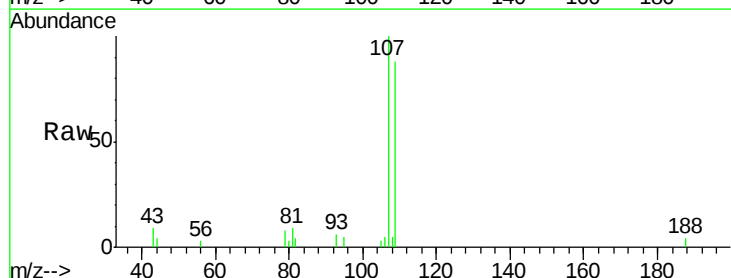
Acq: 22 Jan 2019 12:26

Tgt Ion:107 Resp: 7797

Ion Ratio Lower Upper

107 100

109 91.9 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.39

5000

4000

3000

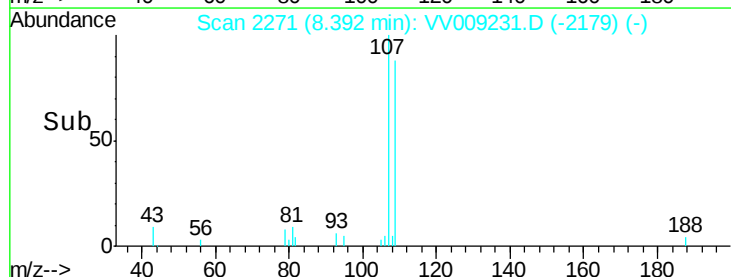
2000

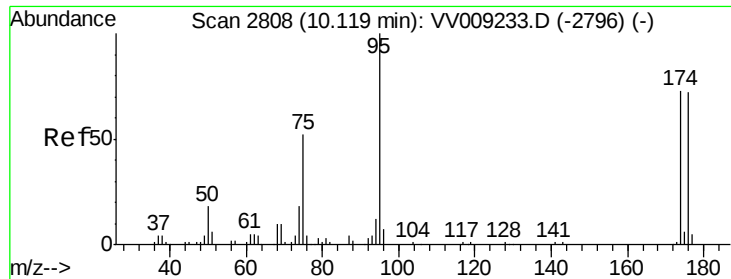
1000

0

8.35 8.40 8.45

Time-->





#62

4-Bromofluorobenzene

Concen: 9.773 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

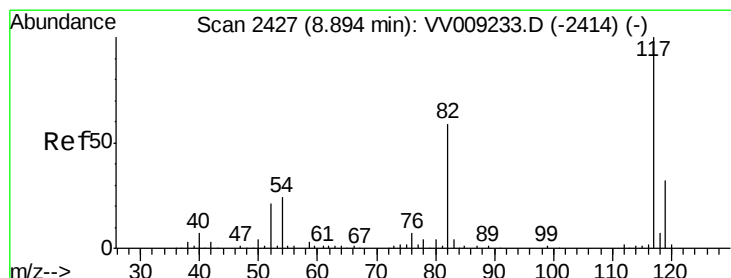
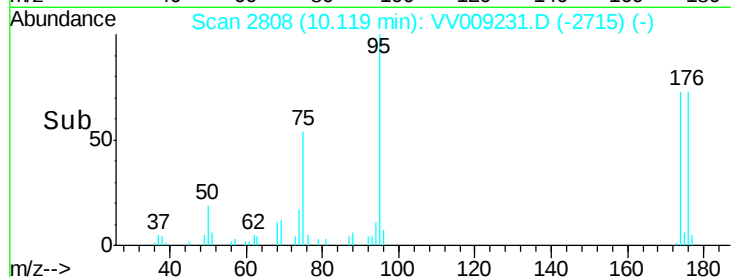
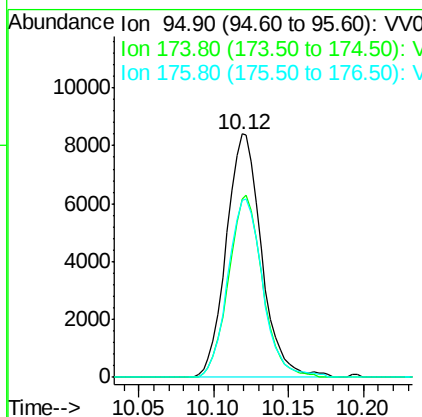
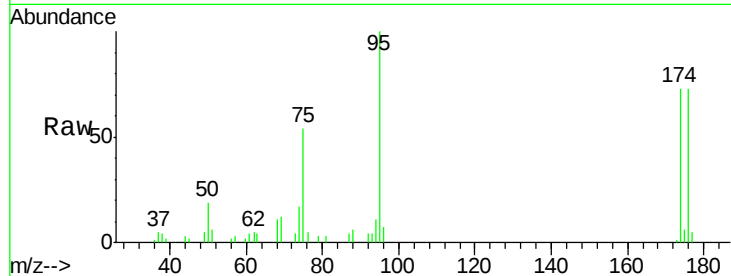
ClientSampleId :

VSTDIC010

Tot Ion:	95	Resp:	13832
Ion Ratio	Lower	Upper	
95	100		
174	71.7	0.0	148.2
176	72.6	0.0	143.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

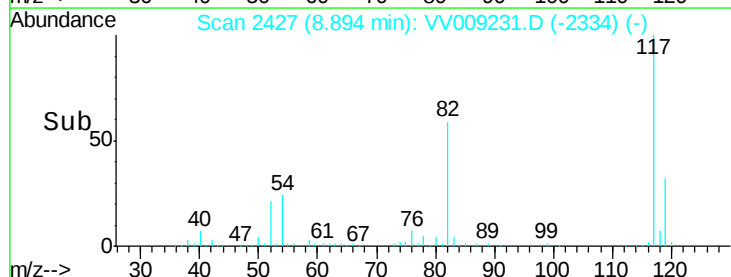
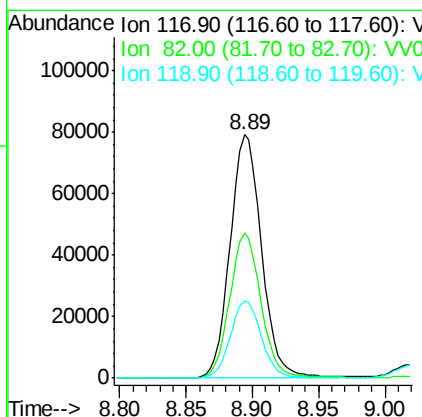
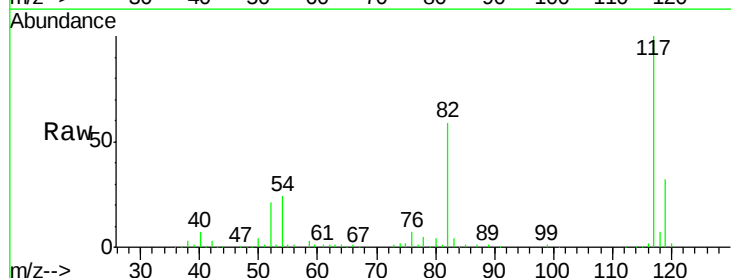
RT: 8.89 min Scan# 2427

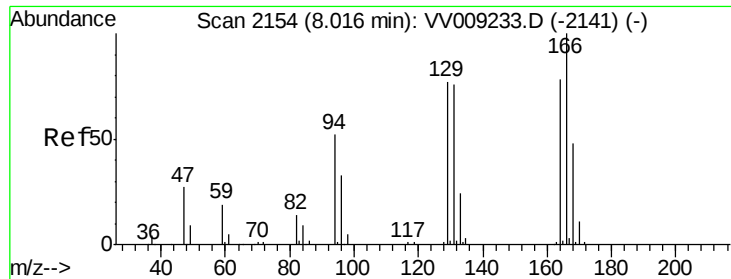
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion:	117	Resp:	131011
Ion Ratio	Lower	Upper	
117	100		
82	59.3	47.0	70.6
119	31.9	25.4	38.2





#64

Tetrachloroethene

Concen: 10.470 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleID :

VSTDIC010

Tot Ion:164 Resp: 9336

Ion Ratio Lower Upper

164 100

166 125.6 102.1 153.1

129 102.2 78.1 117.1

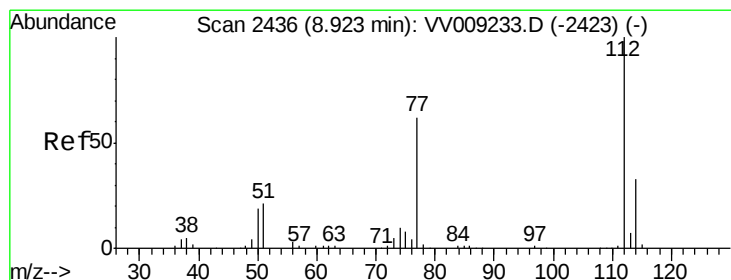
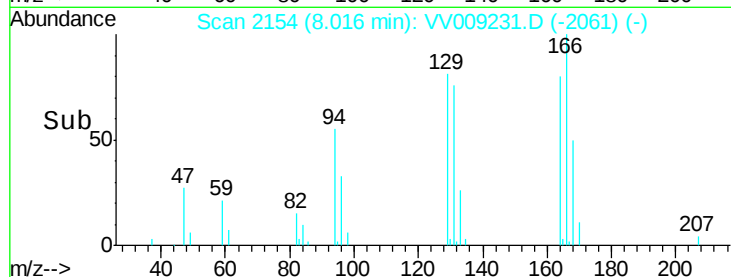
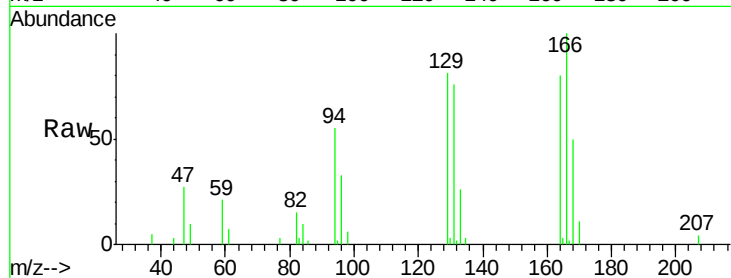
131 95.9 78.0 117.0

Manual Integrations

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#65

Chlorobenzene

Concen: 10.626 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV009231.D

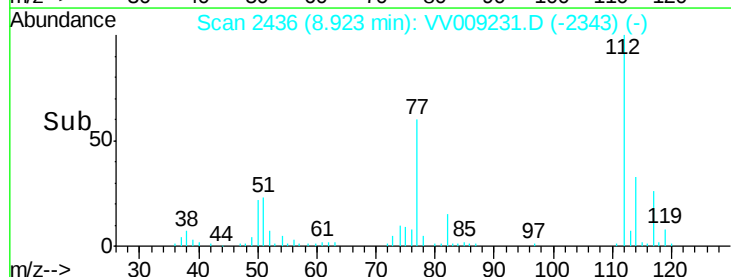
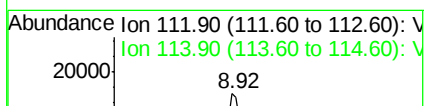
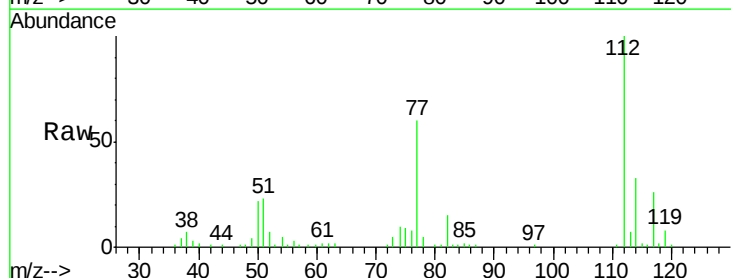
Acq: 22 Jan 2019 12:26

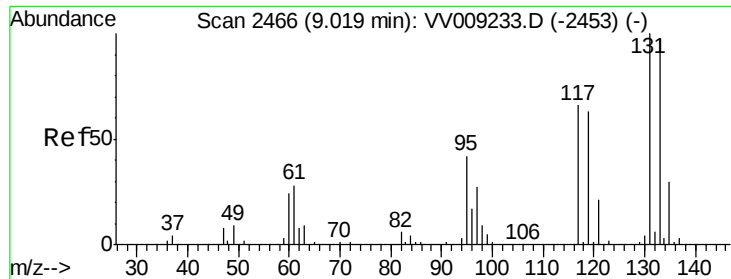
Tgt Ion:112 Resp: 31792

Ion Ratio Lower Upper

112 100

114 33.5 26.0 39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 10.394 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

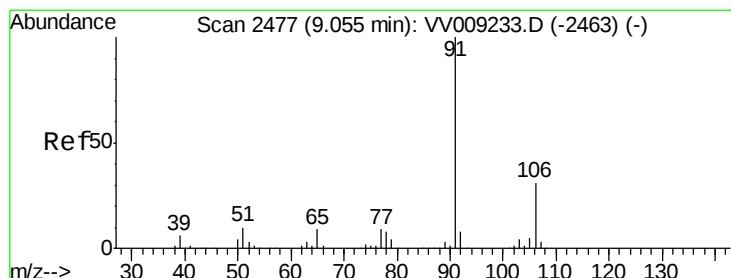
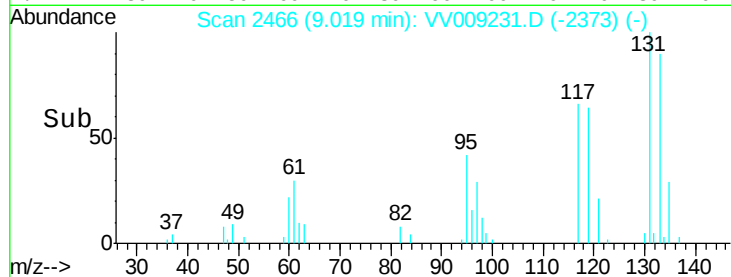
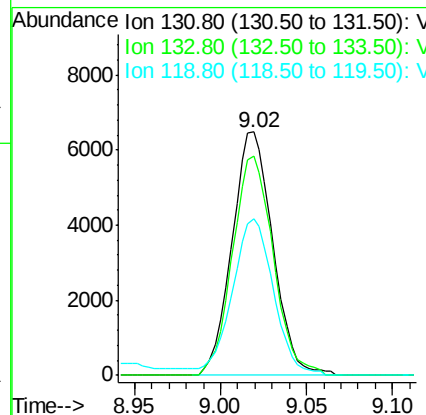
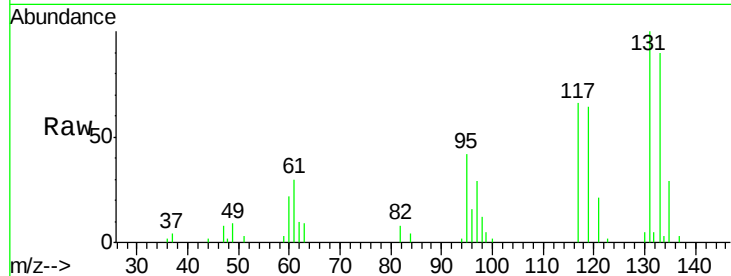
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
131	100		
133	89.9	48.3	144.9
119	65.2	31.2	93.6

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#67

Ethyl Benzene

Concen: 10.161 ug/l

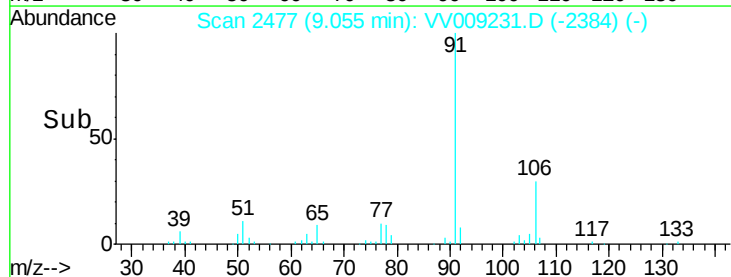
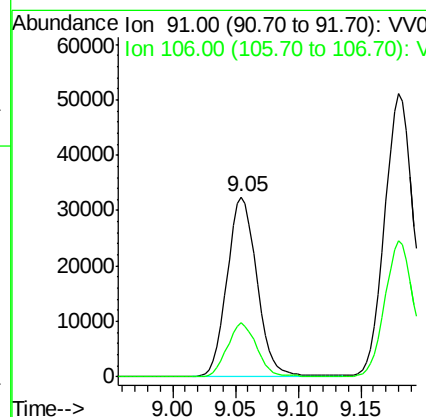
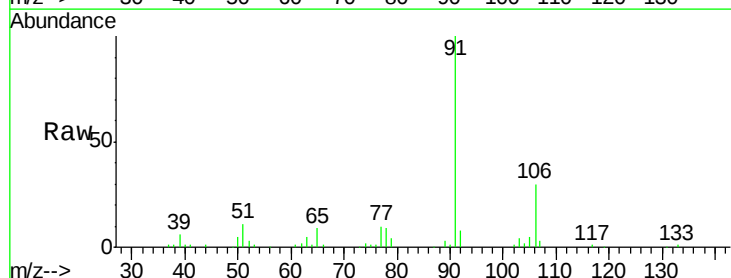
RT: 9.05 min Scan# 2477

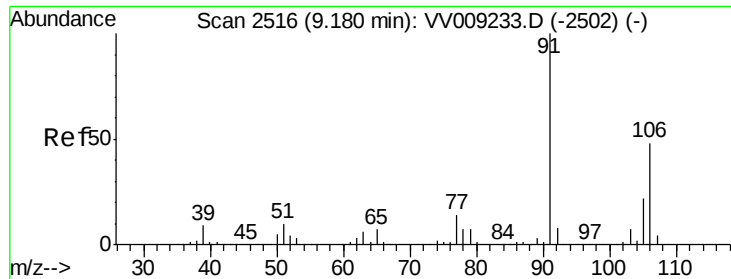
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.6	37.0





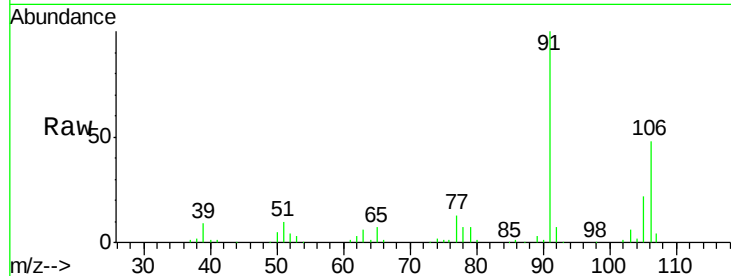
#68
m/p-Xylenes
Concen: 20.601 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

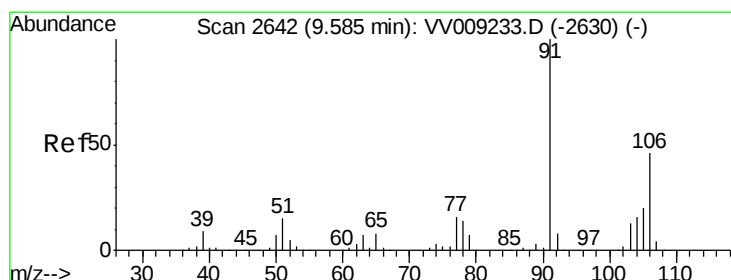
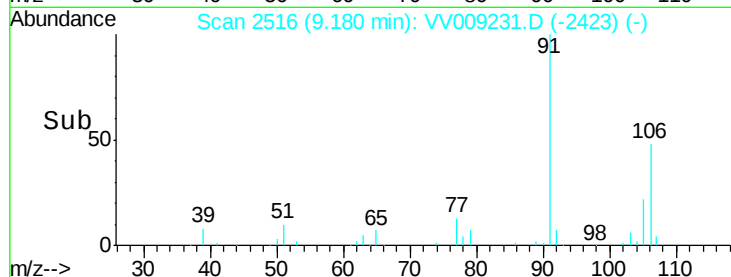
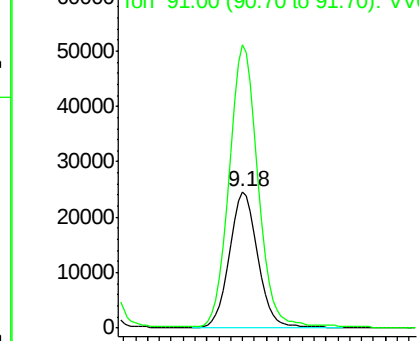
Tot Ion:106 Resp: 41082
Ion Ratio Lower Upper
106 100
91 205.4 167.1 250.7

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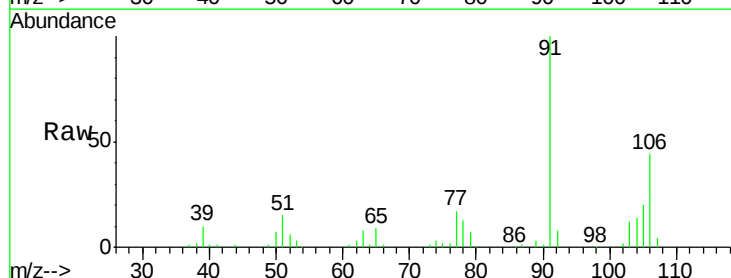


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

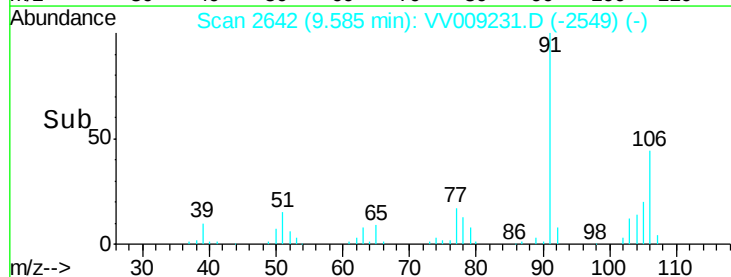
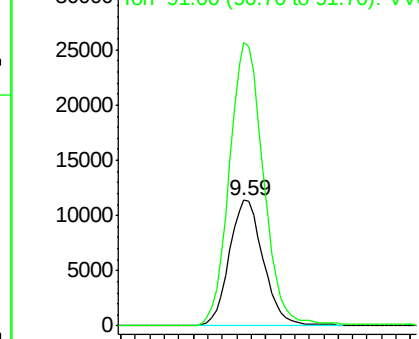


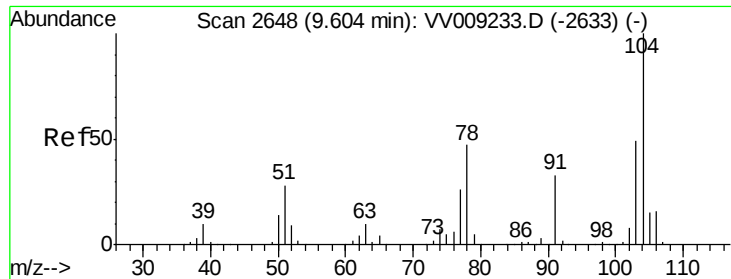
#69
o-Xylene
Concen: 10.026 ug/l
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion:106 Resp: 18628
Ion Ratio Lower Upper
106 100
91 225.4 109.3 327.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





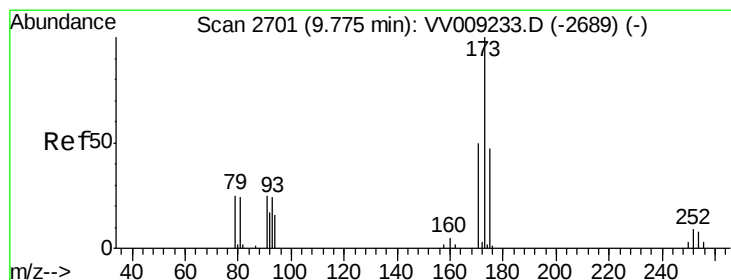
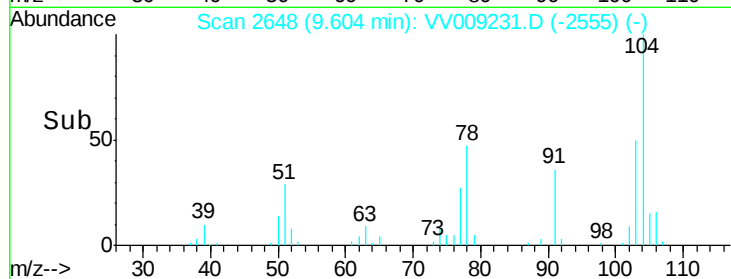
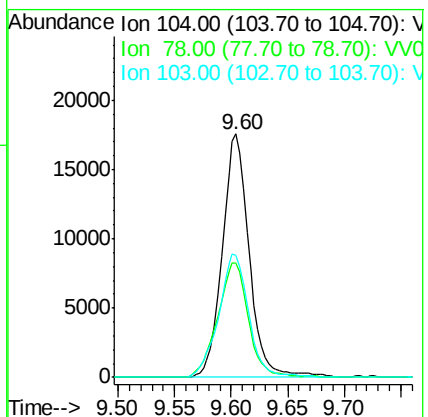
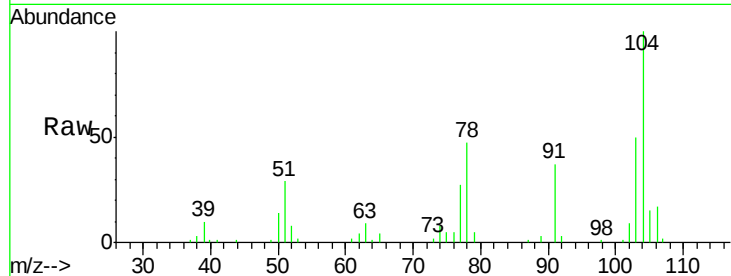
#70
Stvrene
Concen: 9.591 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.1	64.7
103	56.6	43.8	65.8

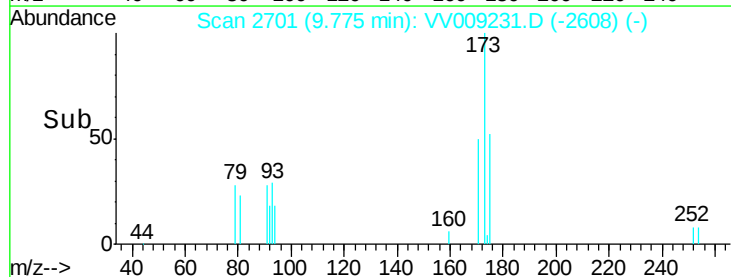
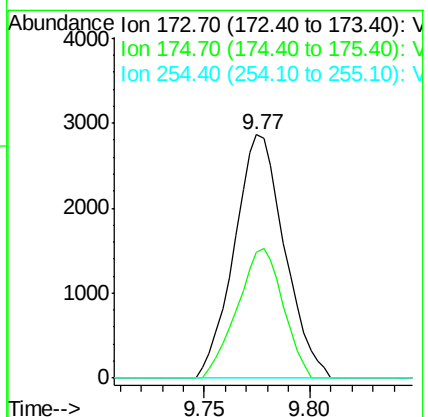
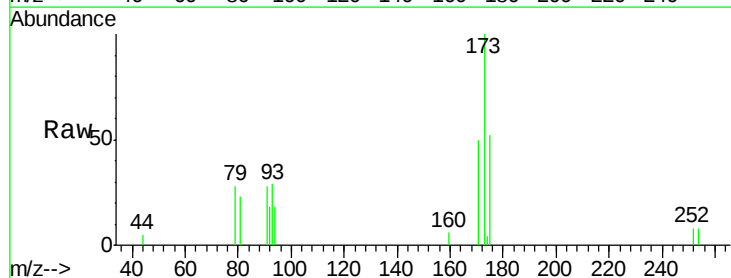
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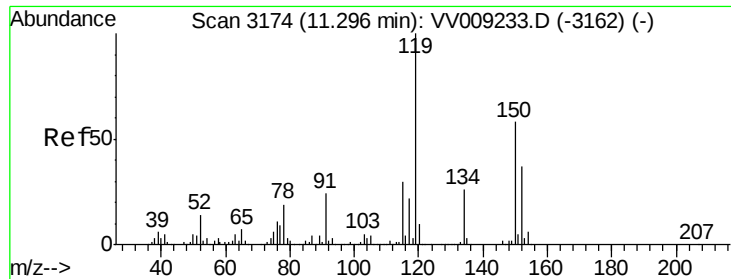
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#71
Bromoform
Concen: 9.429 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.0
254	0.0	0.0	0.0





#72

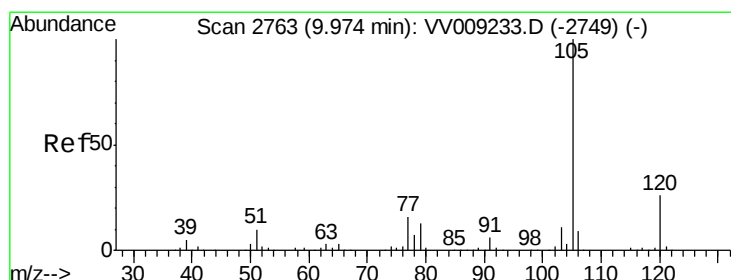
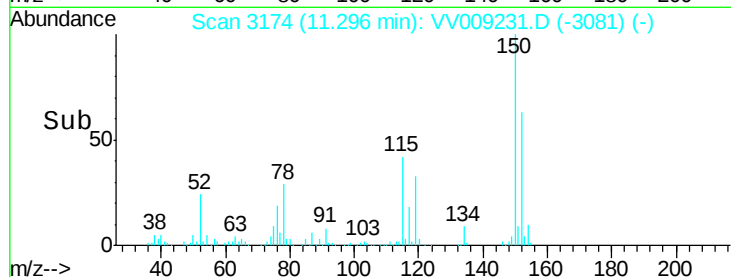
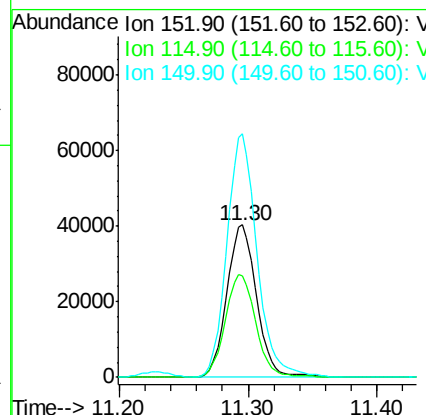
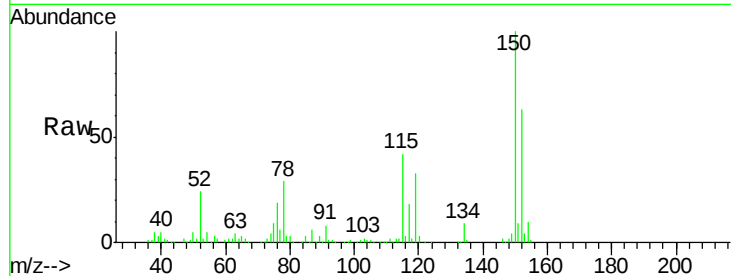
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
152	100		
115	69.7	45.0	134.8
150	162.5	0.0	346.4

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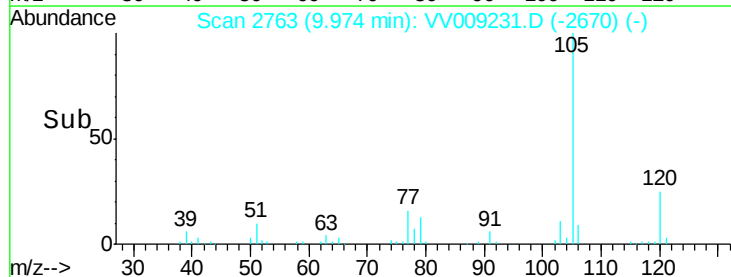
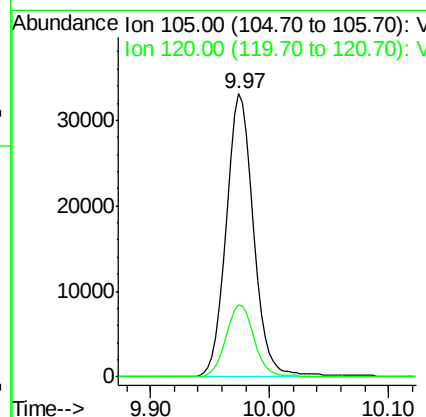
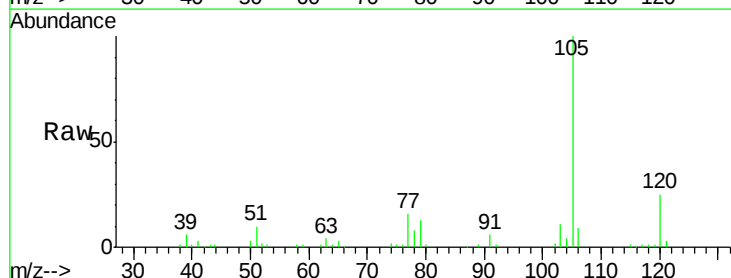
MMDadoda
1/24/2019 11:43:43 AM

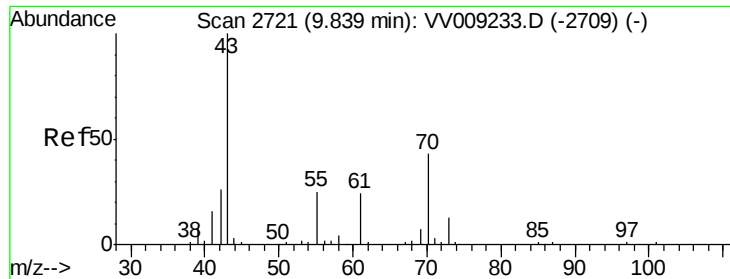


#73

Isopropylbenzene
Concen: 10.390 ug/l
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7





#74

N-amyl acetate

Concen: 8.932 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

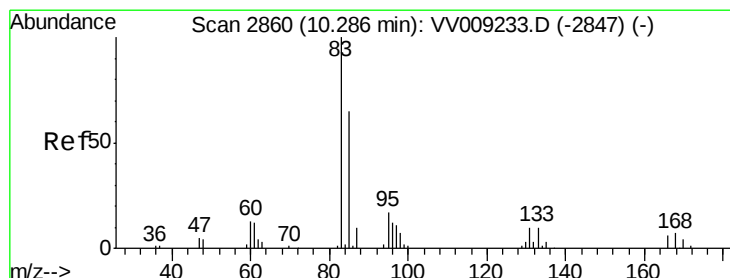
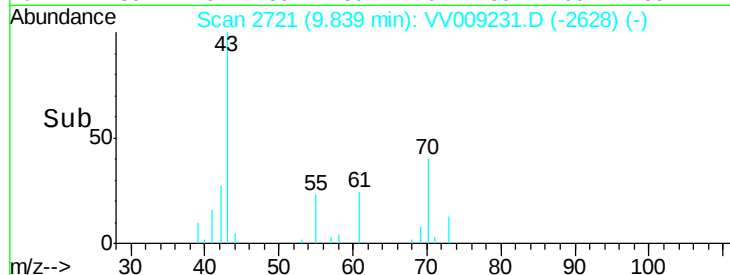
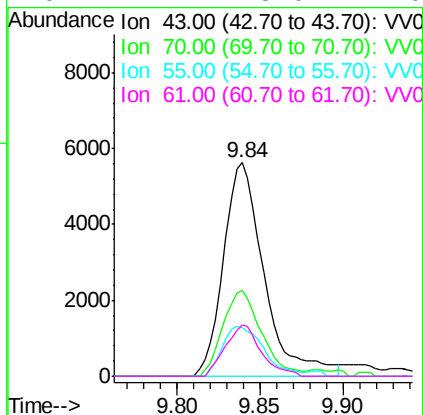
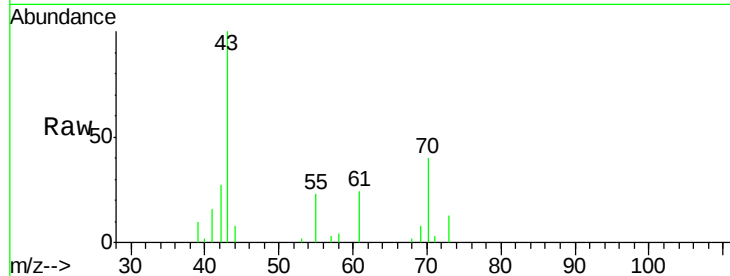
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	9607
Ion	Ratio	Lower	Upper
43	100		
70	37.9	33.0	49.6
55	23.7	18.7	28.1
61	21.2	18.0	27.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 10.418 ug/l

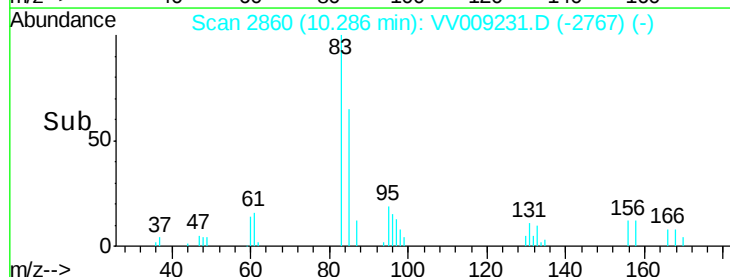
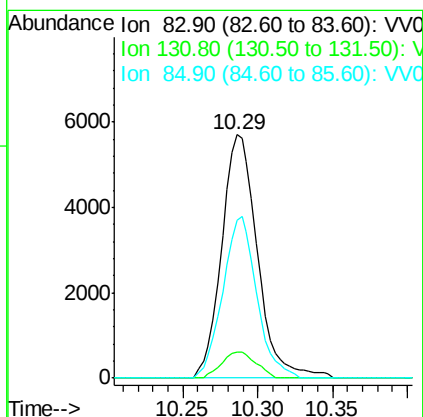
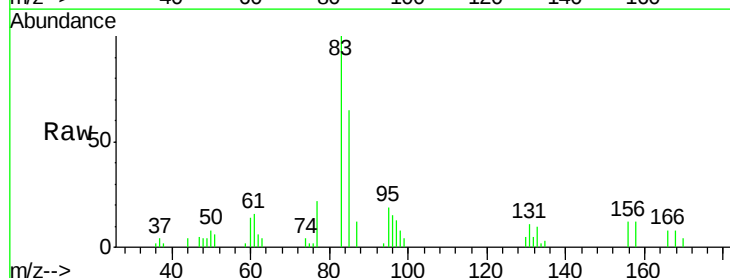
RT: 10.29 min Scan# 2860

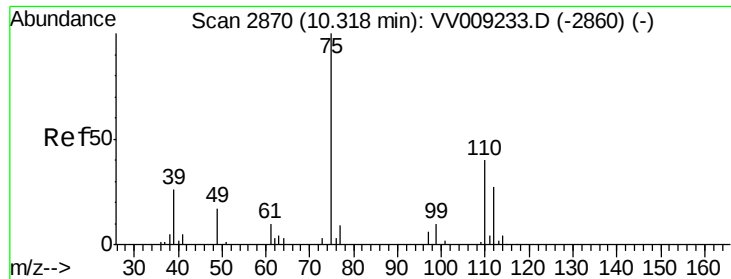
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion:	83	Resp:	9500
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	62.9	32.6	98.0





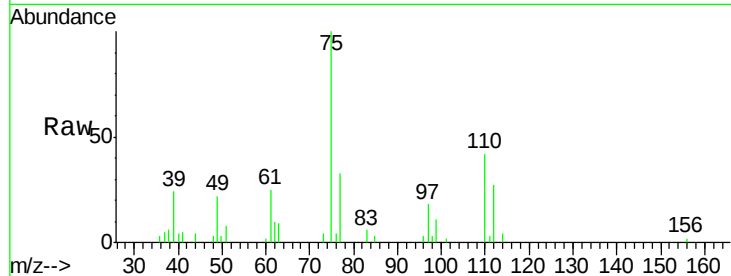
#76
1,2,3-Trichloropropane
Concen: 10.762 ug/l m
RT: 10.32 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

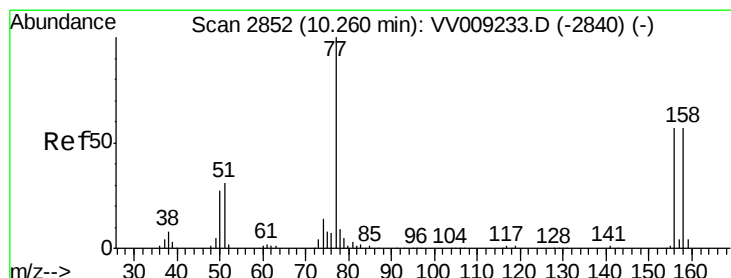
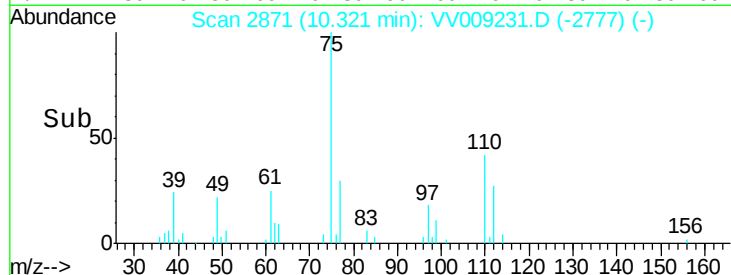
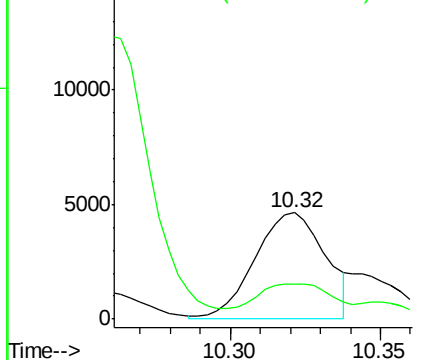
Tot Ion: 75 Resp: 7636
Ion Ratio Lower Upper
75 100
77 9.8 24.6 73.8#

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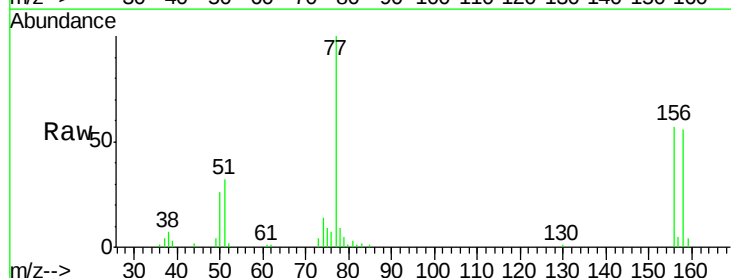


Abundance Ion 74.90 (74.60 to 75.60): VV009233.D (-2860) (-)
Ion 77.00 (76.70 to 77.70): VV009231.D (-2777) (-)

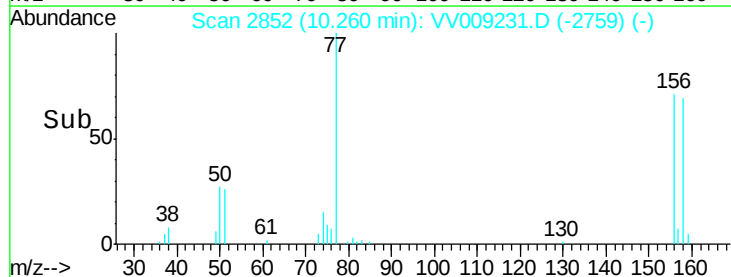
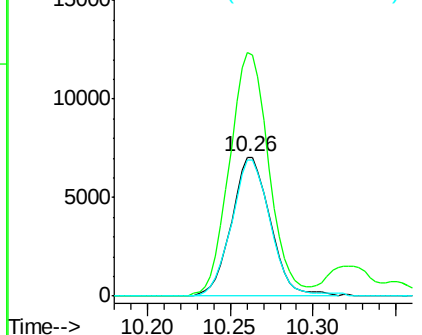


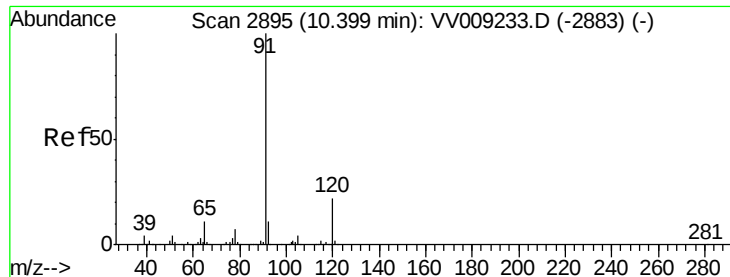
#77
Bromobenzene
Concen: 10.165 ug/l
RT: 10.26 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion: 156 Resp: 11492
Ion Ratio Lower Upper
156 100
77 178.0 86.0 258.0
158 97.6 49.8 149.3



Abundance Ion 155.80 (155.50 to 156.50): VV009233.D (-2840) (-)
Ion 77.00 (76.70 to 77.70): VV009231.D (-2777) (-)
Ion 157.80 (157.50 to 158.50): VV009231.D (-2759) (-)





#78

n-propylbenzene

Concen: 10.379 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 62623

Ion Ratio Lower Upper

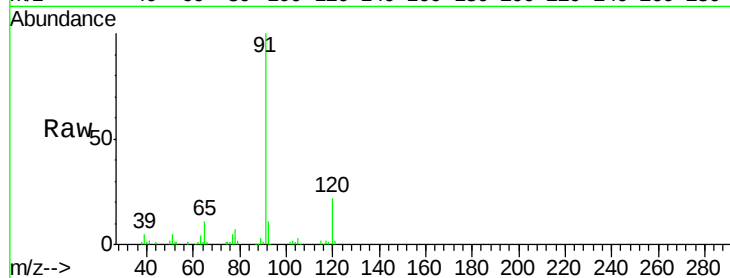
91 100

120 22.3 11.5 34.4

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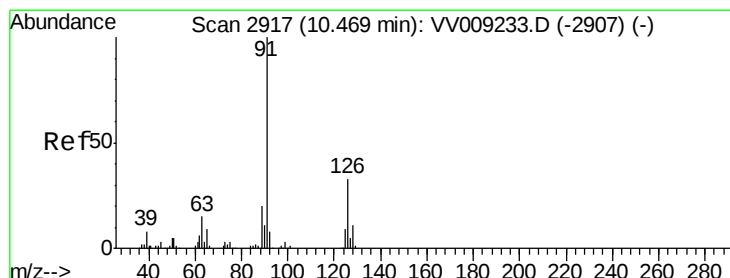
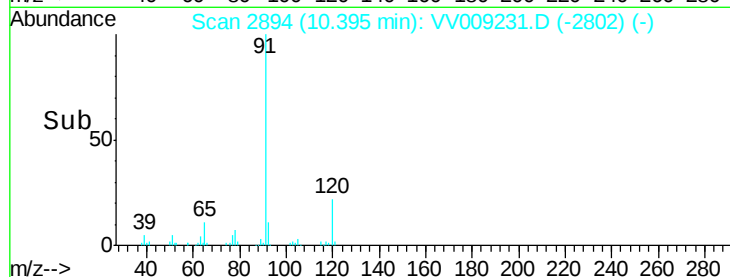


Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2883) (-)

Ion 120.00 (119.70 to 120.70): VV009233.D (-2883) (-)

Time-->

10.35 10.40 10.45



#79

2-Chlorotoluene

Concen: 10.413 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009231.D

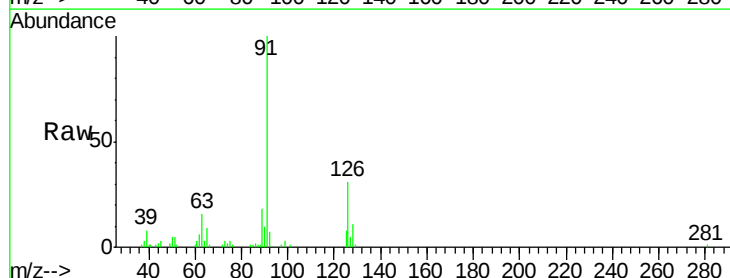
Acq: 22 Jan 2019 12:26

Tgt Ion: 91 Resp: 38759

Ion Ratio Lower Upper

91 100

126 31.2 16.2 48.6

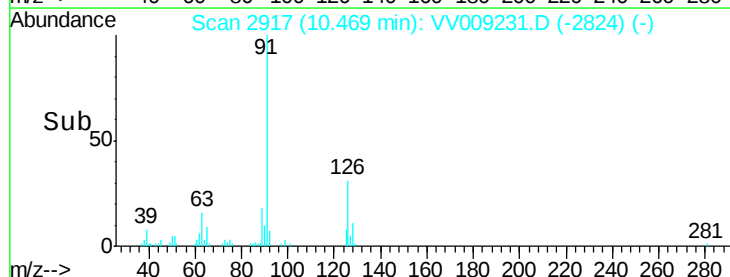


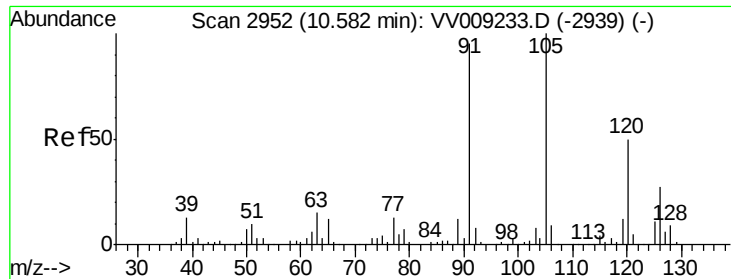
Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2907) (-)

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

Time-->

10.40 10.45 10.50 10.55





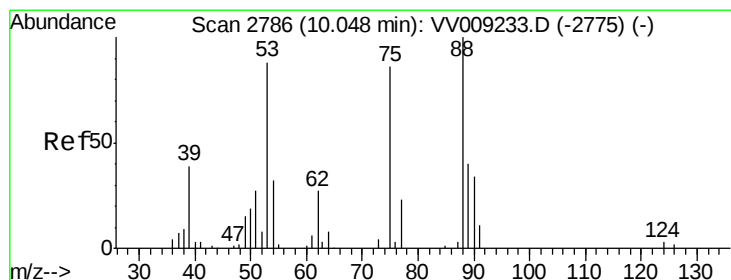
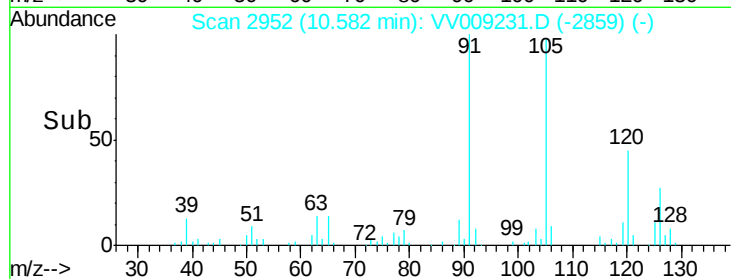
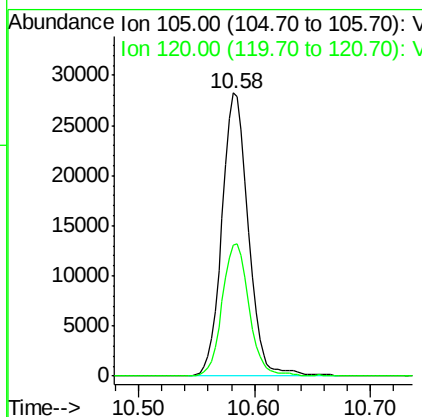
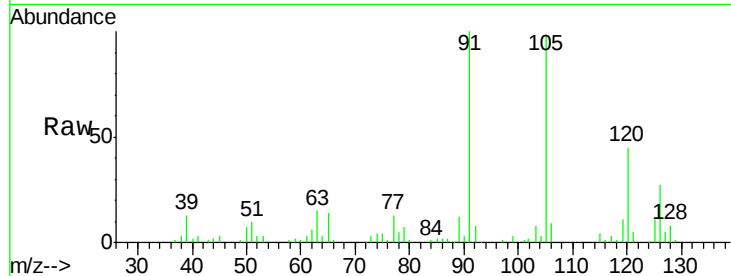
#80
 1,3,5-Trimethylbenzene
 Concen: 10.326 ug/l
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion:105 Resp: 44556
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.3 73.0

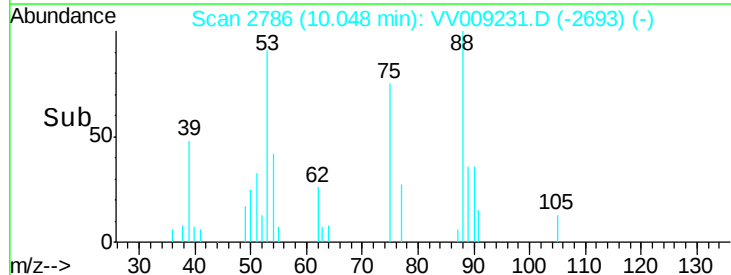
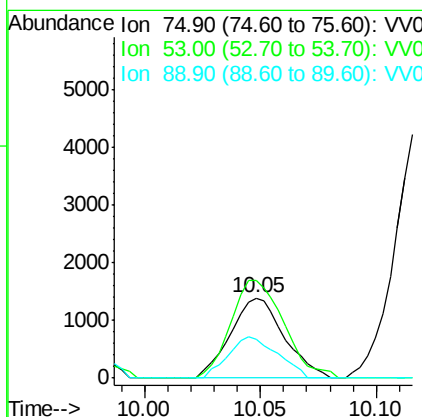
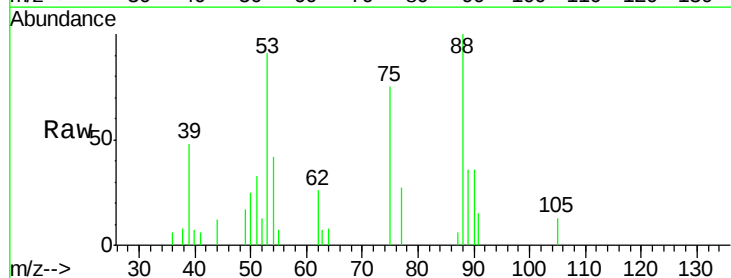
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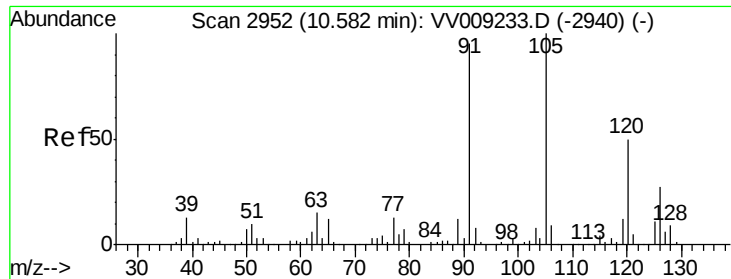
MMDadoda
 1/24/2019 11:43:43 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 8.680 ug/l
 RT: 10.05 min Scan# 2786
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Tgt Ion: 75 Resp: 2221
 Ion Ratio Lower Upper
 75 100
 53 120.9 82.1 123.1
 89 47.1 36.2 54.4





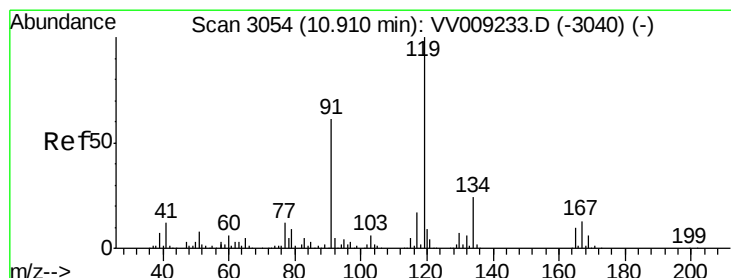
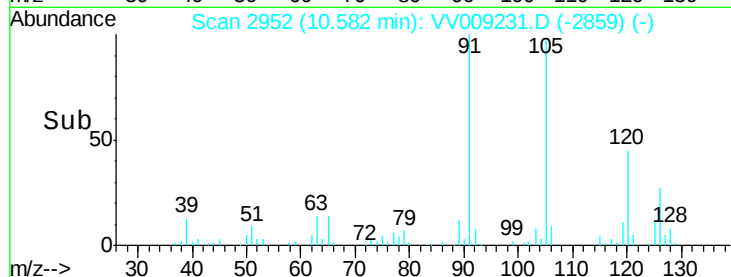
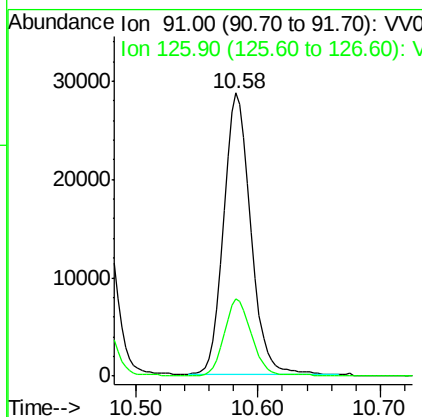
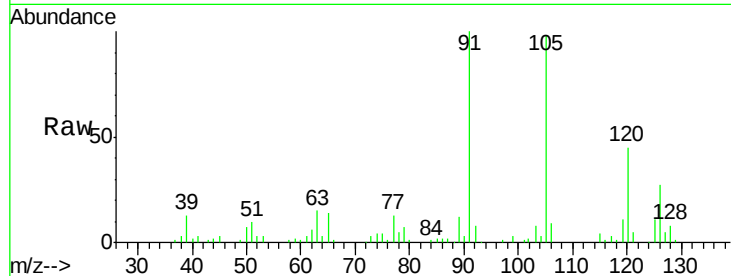
#82
4-Chlorotoluene
Concen: 10.124 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 44884
Ion Ratio Lower Upper
91 100
126 27.7 14.3 42.9

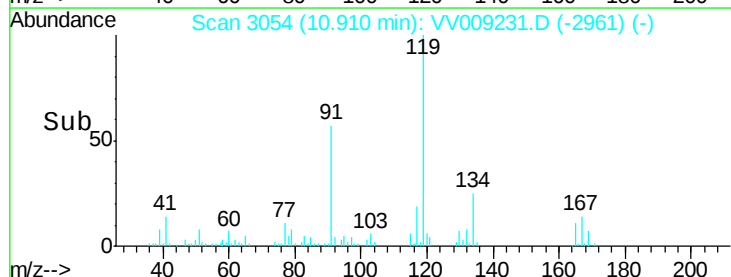
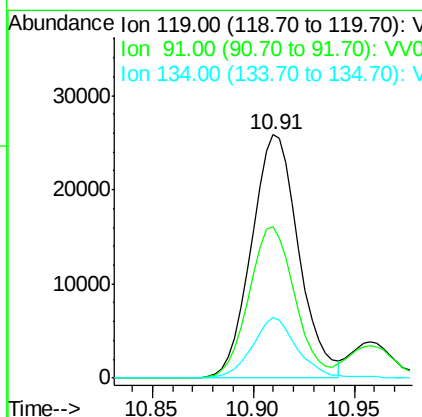
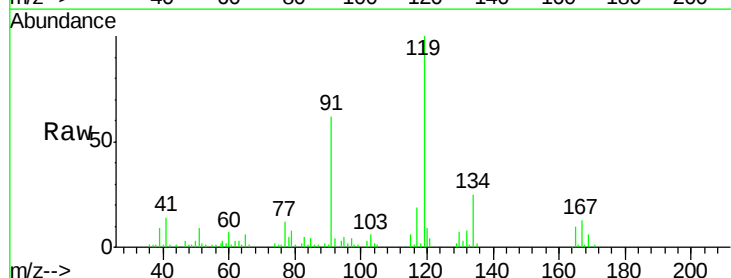
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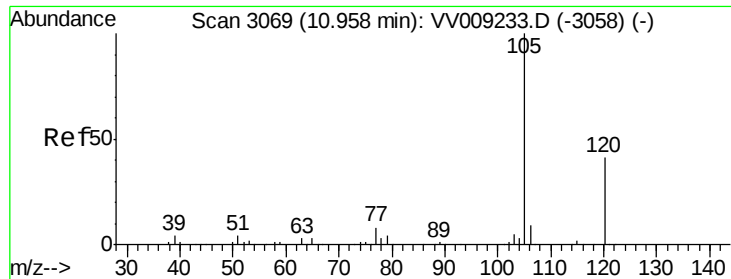
MMDadoda
1/24/2019 11:43:43 AM



#83
tert-Butylbenzene
Concen: 10.326 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion: 119 Resp: 42366
Ion Ratio Lower Upper
119 100
91 60.5 30.0 90.1
134 23.4 11.9 35.7





#84

1,2,4-Trimethylbenzene

Concen: 10.068 ug/l

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 44773

Ion Ratio Lower Upper

105 100

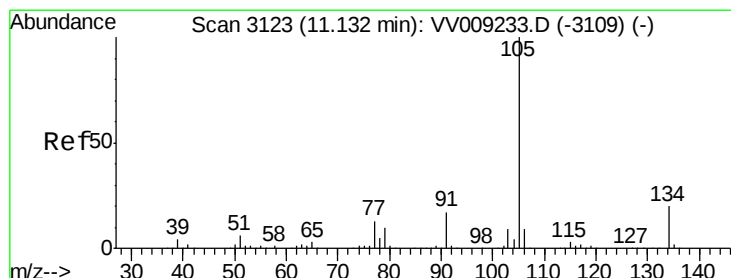
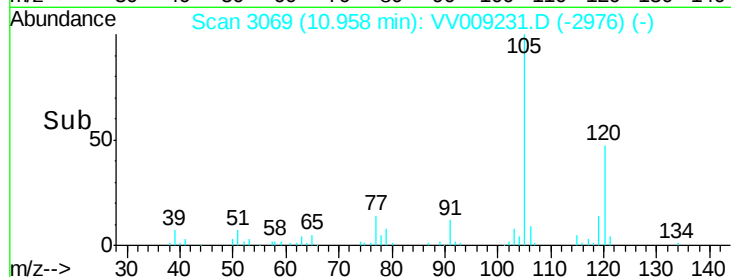
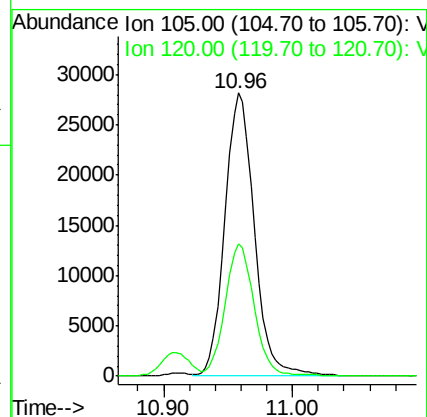
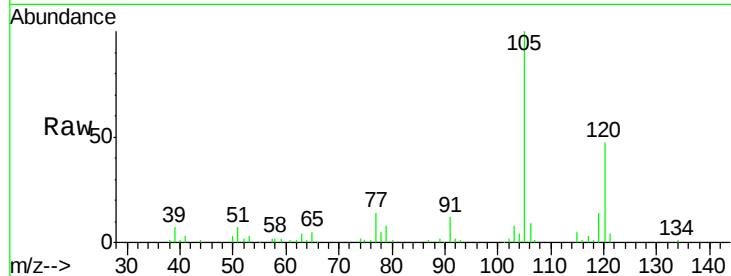
120 46.2 22.6 67.7

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#85

sec-Butylbenzene

Concen: 10.691 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VV009231.D

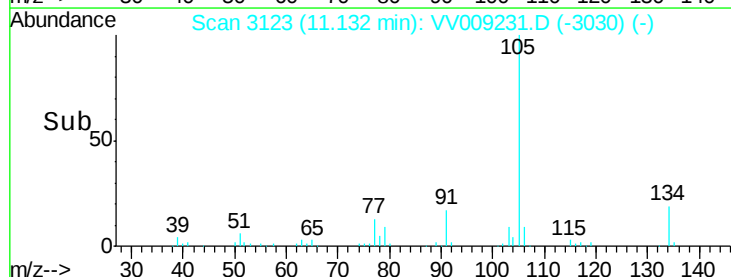
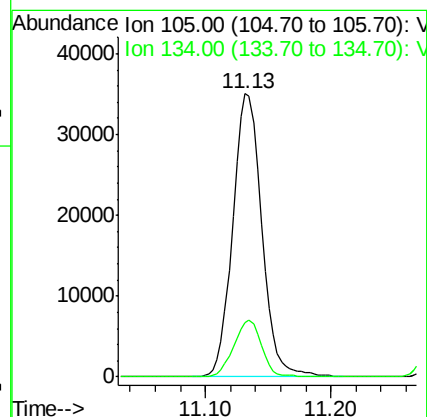
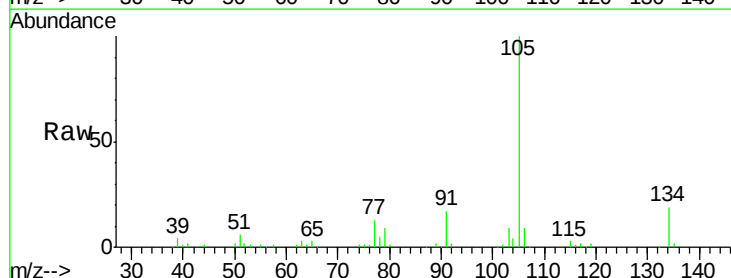
Acq: 22 Jan 2019 12:26

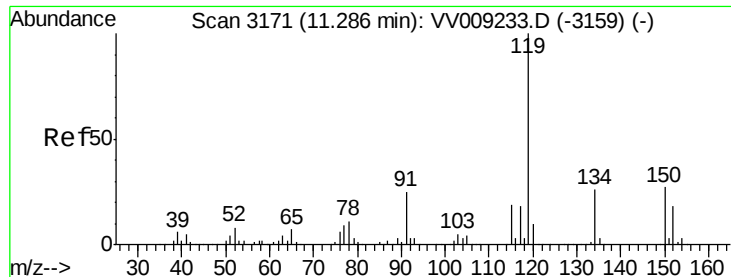
Tgt Ion:105 Resp: 56380

Ion Ratio Lower Upper

105 100

134 19.0 10.1 30.3





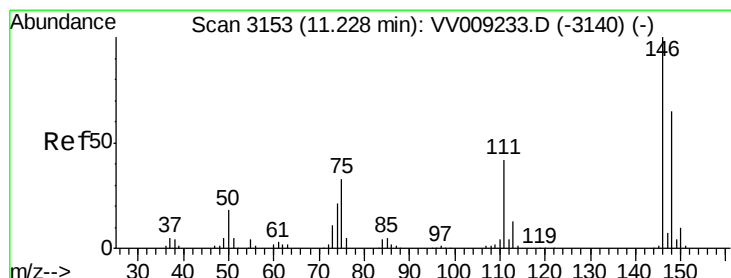
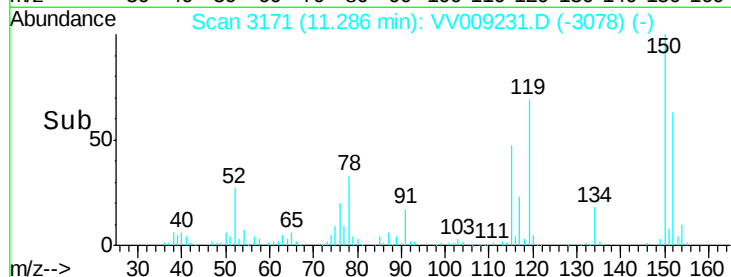
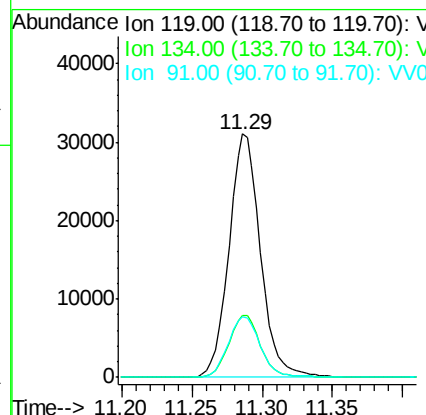
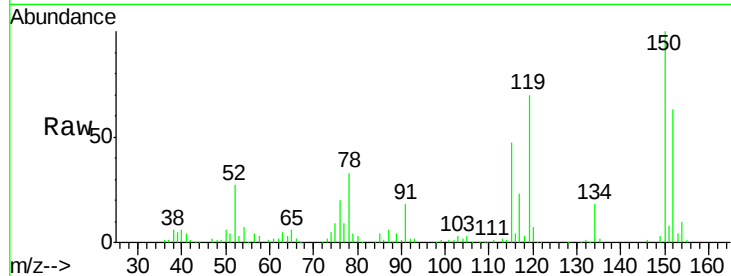
#86
 p-Isopropyltoluene
 Concen: 10.304 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	48178		
134	25.6		13.0	38.9
91	25.7		12.4	37.2

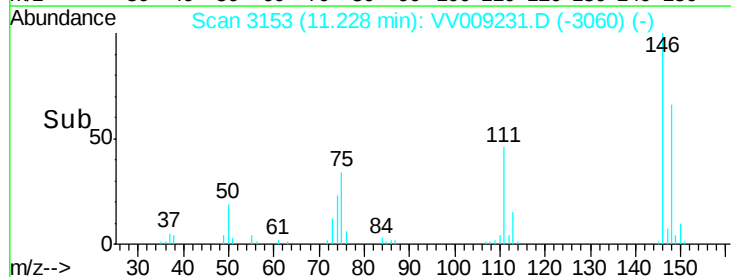
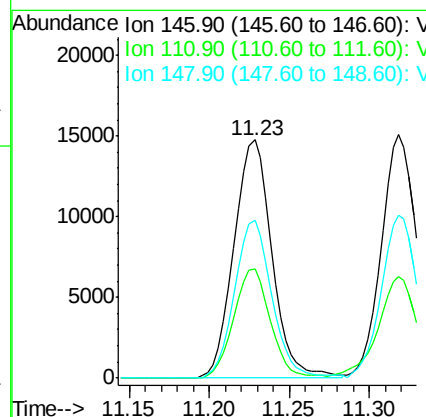
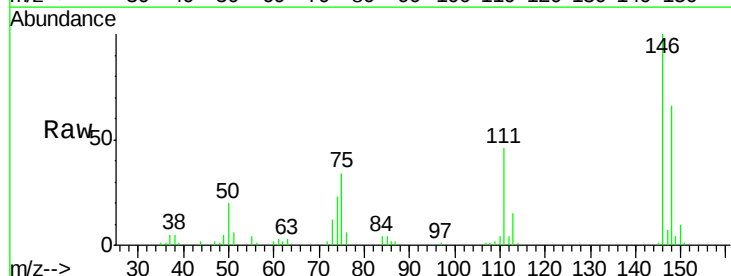
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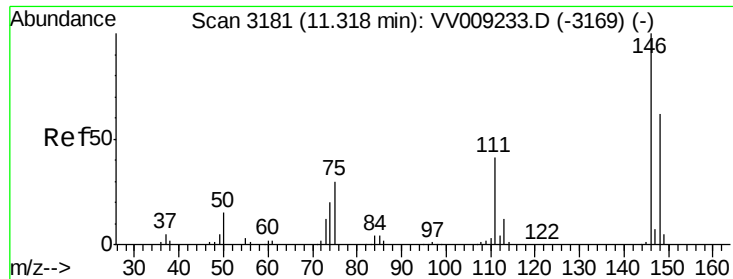
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#87
 1,3-Dichlorobenzene
 Concen: 10.345 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	23896		
111	44.1		21.1	63.4
148	64.4		32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 10.355 ug/l

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

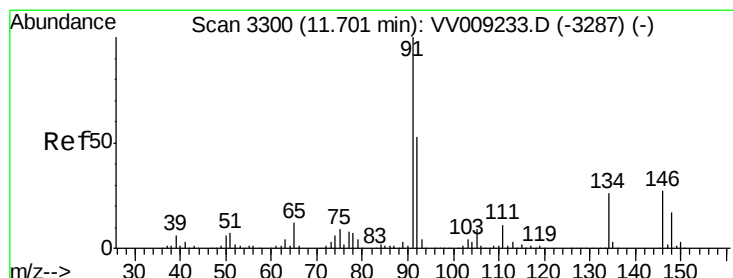
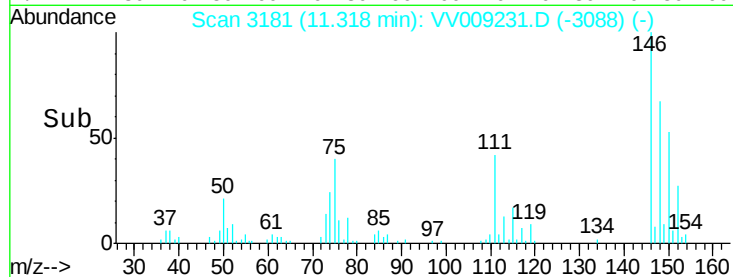
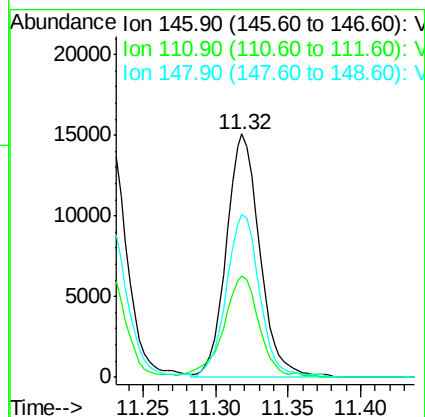
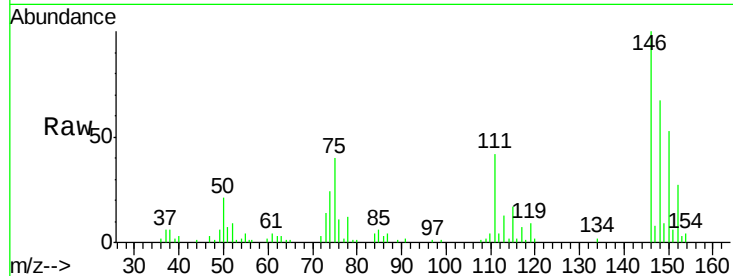
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	24272
Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.5	61.5
148	66.2	31.4	94.3

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#89

n-Butylbenzene

Concen: 10.129 ug/l

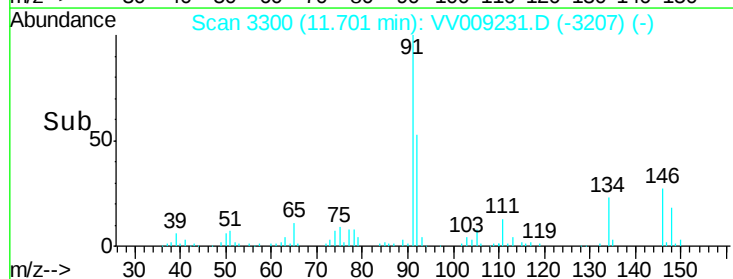
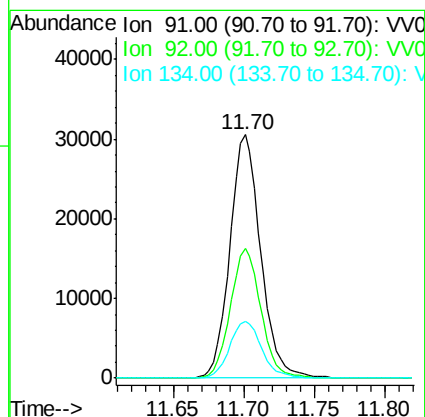
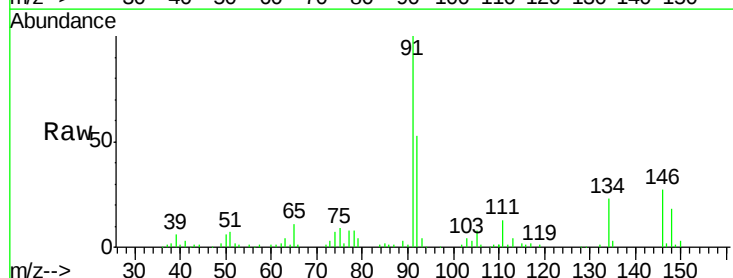
RT: 11.70 min Scan# 3300

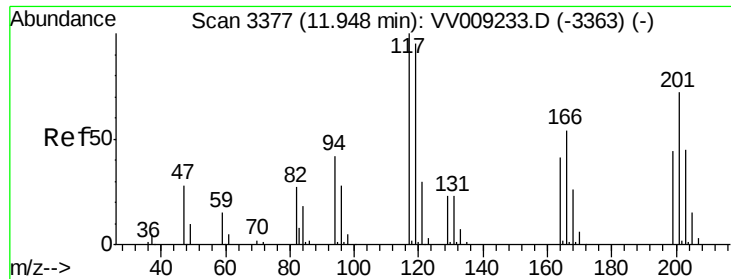
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion:	91	Resp:	46644
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.5
134	24.4	12.6	37.8





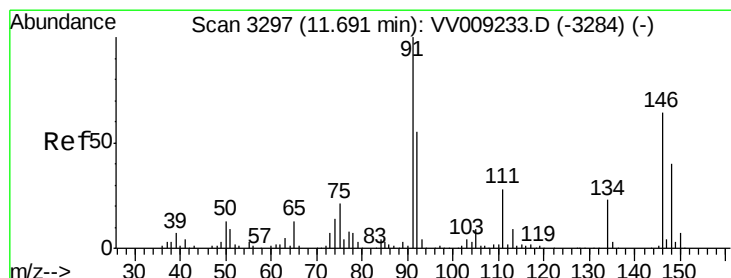
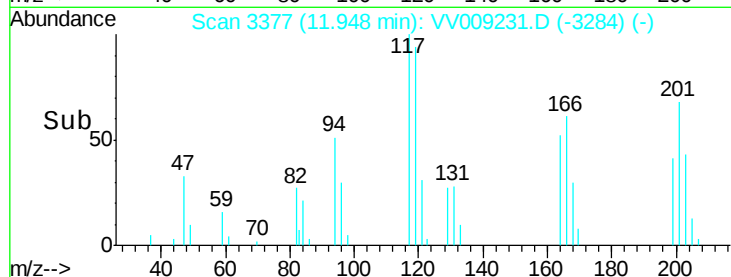
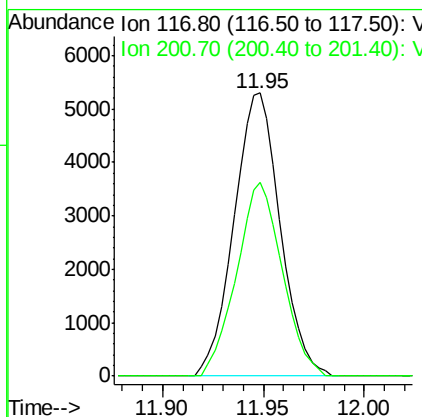
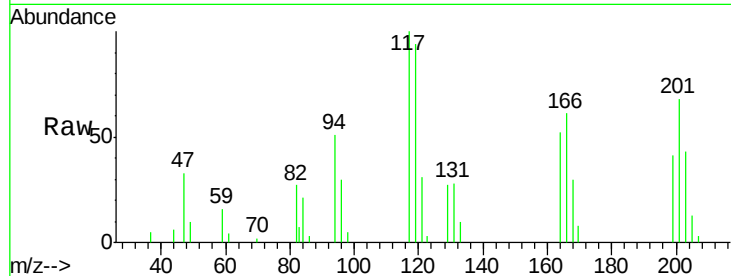
#90
Hexachloroethane
Concen: 10.060 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 8484
Ion Ratio Lower Upper
117 100
201 67.8 35.2 105.6

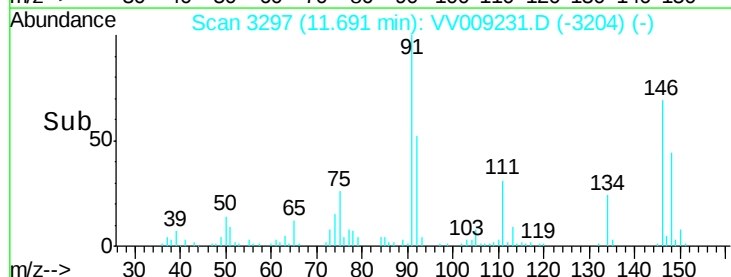
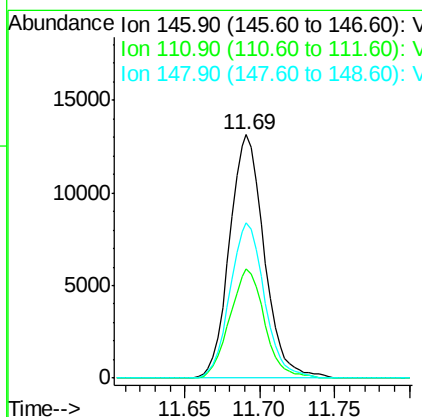
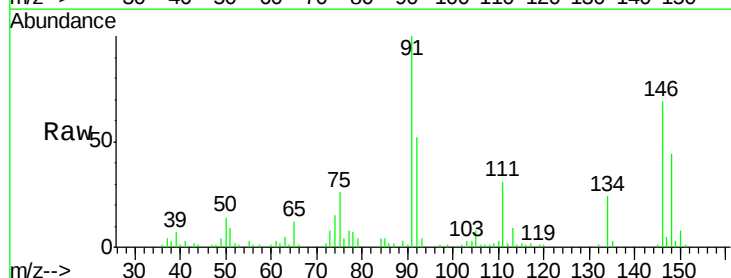
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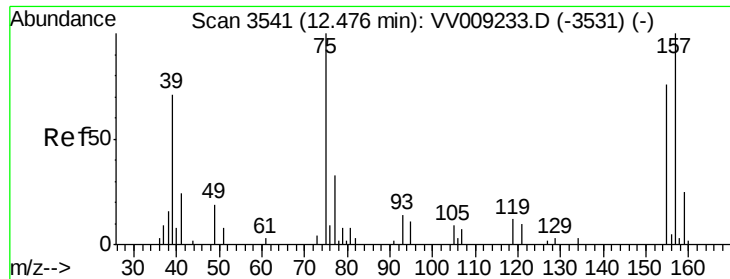
MMDadoda
1/24/2019 11:43:43 AM



#91
1,2-Dichlorobenzene
Concen: 10.254 ug/l
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV009231.D
Acq: 22 Jan 2019 12:26

Tgt Ion:146 Resp: 21181
Ion Ratio Lower Upper
146 100
111 45.0 21.9 65.8
148 63.7 31.6 95.0





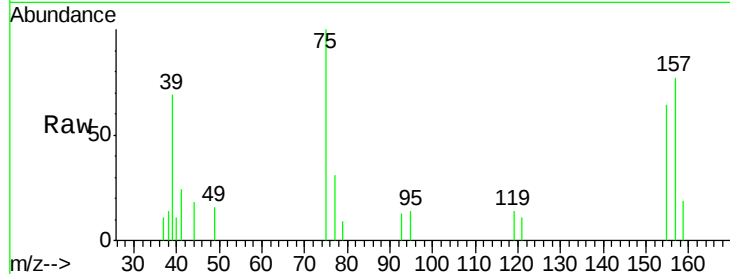
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.376 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

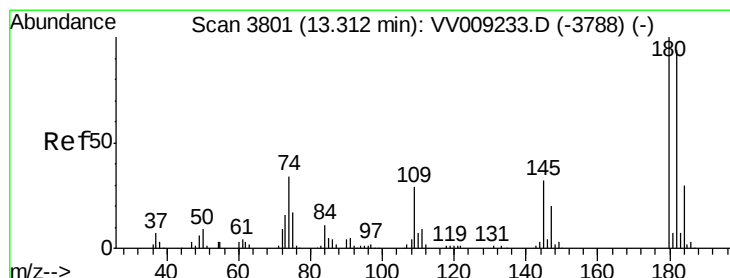
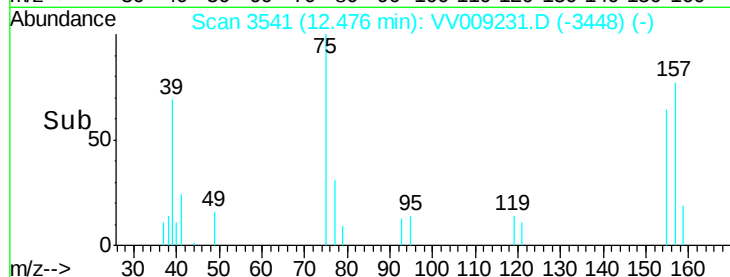
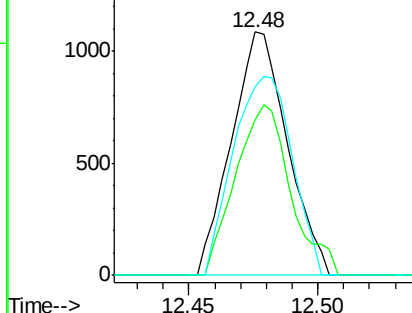
Tot Ion: 75 Resp: 1639
 Ion Ratio Lower Upper
 75 100
 155 69.2 38.0 114.0
 157 86.6 50.8 152.4

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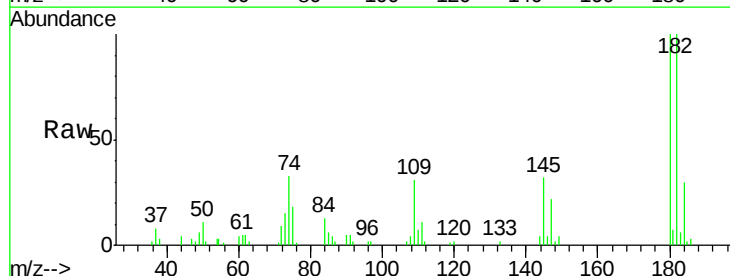


Abundance Ion 74.90 (74.60 to 75.60): VV009233.D (-3531) (-)
 Ion 154.80 (154.50 to 155.50): VV009233.D (-3531) (-)
 Ion 156.80 (156.50 to 157.50): VV009233.D (-3531) (-)

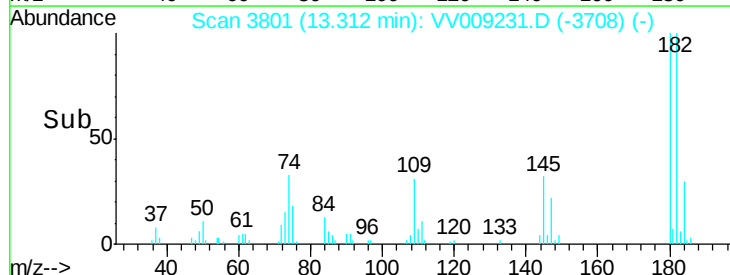
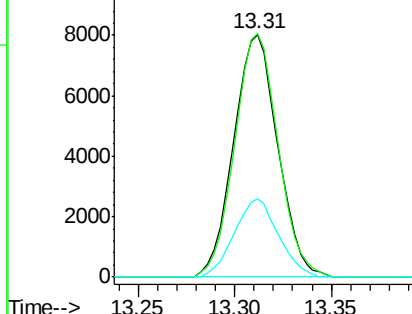


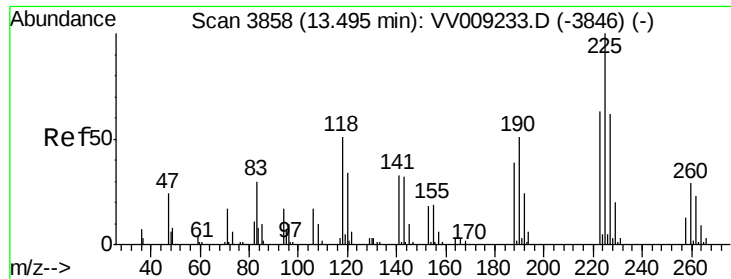
#93
 1,2,4-Trichlorobenzene
 Concen: 9.018 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Tgt Ion: 180 Resp: 12704
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.1 141.4
 145 32.3 16.0 48.0



Abundance Ion 179.80 (179.50 to 180.50): VV009233.D (-3788) (-)
 Ion 181.80 (181.50 to 182.50): VV009233.D (-3788) (-)
 Ion 144.80 (144.50 to 145.50): VV009233.D (-3788) (-)





#94

Hexachlorobutadiene

Concen: 10.631 ug/l

RT: 13.49 min Scan# 3858

Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Instrument :

MSVOA_V

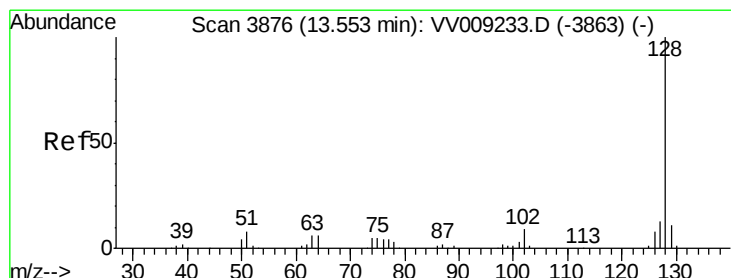
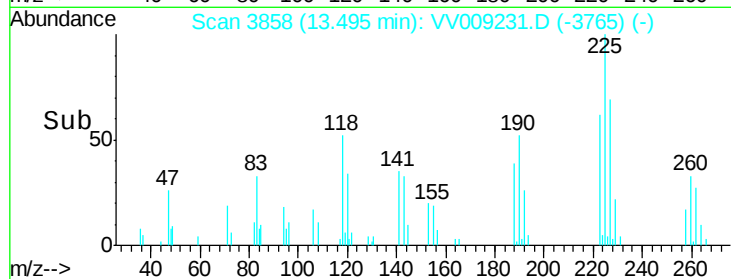
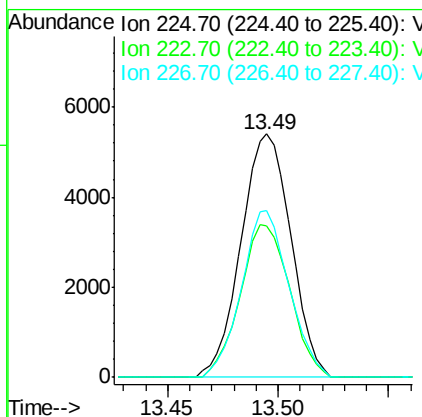
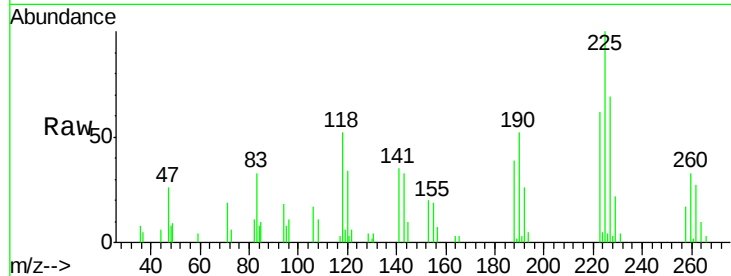
ClientSampleId :

VSTDIC010

Tot Ion:	225	Resp:	8456
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.7	95.1
227	65.3	31.6	95.0

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#95

Naphthalene

Concen: 8.558 ug/l

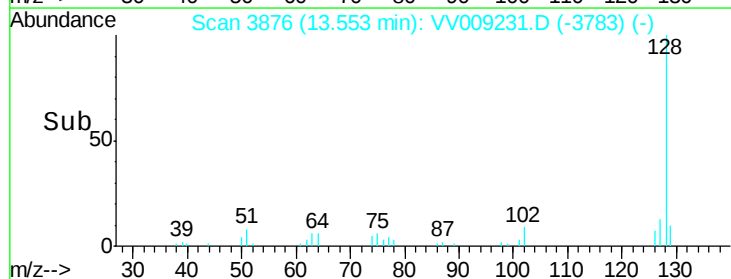
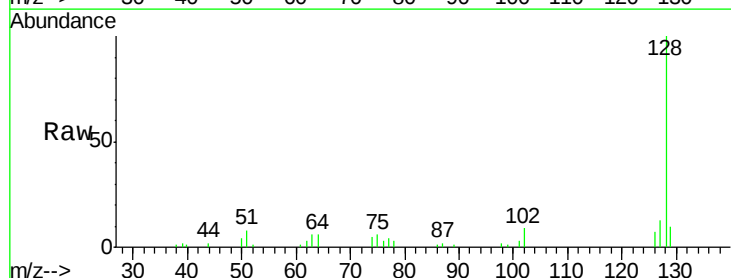
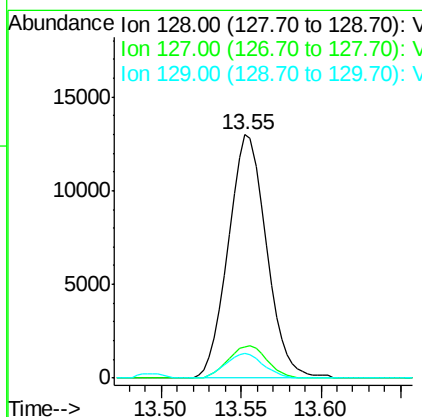
RT: 13.55 min Scan# 3876

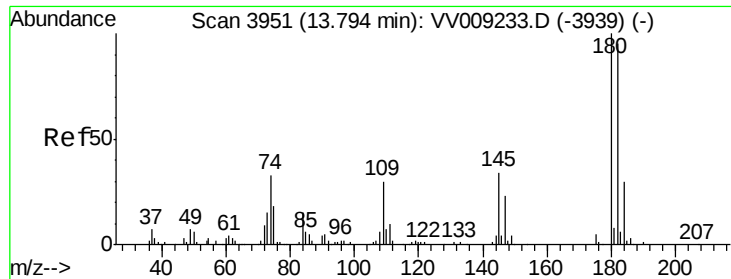
Delta R.T. 0.00 min

Lab File: VV009231.D

Acq: 22 Jan 2019 12:26

Tgt Ion:	128	Resp:	21157
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	10.1	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 9.389 ug/l
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009231.D
 Acq: 22 Jan 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	34.3	17.2	51.5

Manual Integrations
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