

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015262.D
 Acq On : 30 Mar 2020 09:21
 Operator : SY/MD
 Sample : VSTD01065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 10:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 10:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	475608	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	444388	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	196975	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	49434	21.82	ug/L	0.00
7) Chloroethane-d5	1.58	69	45528	19.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	88145	16.77	ug/L	0.00
21) 2-Butanone-d5	3.95	46	14005	6.16	ug/L	0.00
24) Chloroform-d	4.38	84	80334	15.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	57491	16.78	ug/L	0.00
32) Benzene-d6	5.08	84	164339	19.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	51445	16.69	ug/L	0.00
41) Toluene-d8	7.34	98	157989	20.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	26992	16.35	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	46023	27.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	73152	14.15	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	56045	16.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20535	6.408 ug/L	95
3) Chloromethane	1.25	50	25196	6.814 ug/L	100
5) Vinyl chloride	1.32	62	26025	6.848 ug/L	98
6) Bromomethane	1.53	94	17457	7.121 ug/L	95
8) Chloroethane	1.59	64	19960	8.100 ug/L	100
9) Trichlorofluoromethane	1.76	101	38689	6.342 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	20534	6.370 ug/L #	88
12) 1,1-Dichloroethene	2.13	96	22510	7.021 ug/L	88
13) Acetone	2.21	43	5746	4.751 ug/L	97
14) Carbon disulfide	2.31	76	54180	6.802 ug/L	98
16) Methylene chloride	2.52	84	21275	6.784 ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	19902	7.219 ug/L	94
18) Methyl tert-butyl Ether	2.79	73	65741	6.984 ug/L	99
19) 1,1-Dichloroethane	3.21	63	36832	7.136 ug/L	94
23) Bromochloromethane	4.27	128	11031	7.045 ug/L	93
25) Chloroform	4.40	83	39688	7.176 ug/L	93
27) 1,2-Dichloroethane	5.16	62	28816	6.820 ug/L	99
29) Cyclohexane	4.70	56	30219	6.933 ug/L #	96
30) 1,1,1-Trichloroethane	4.63	97	35467	7.409 ug/L	97
31) Carbon tetrachloride	4.85	117	26990	6.706 ug/L	98
33) Benzene	5.13	78	78601	7.018 ug/L	100
34) Trichloroethene	5.94	95	21114	7.022 ug/L	91
35) Methylcyclohexane	6.15	83	30667	6.701 ug/L	98
37) 1,2-Dichloropropane	6.20	63	20872	7.423 ug/L #	95
38) Bromodichloromethane	6.53	83	29939	7.223 ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	32441	6.860 ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	60769	14.674 ug/L	97
42) Toluene	7.41	91	86026	6.952 ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	33325	7.318 ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	20434	7.190 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015262.D
 Acq On : 30 Mar 2020 09:21
 Operator : SY/MD
 Sample : VSTD01065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

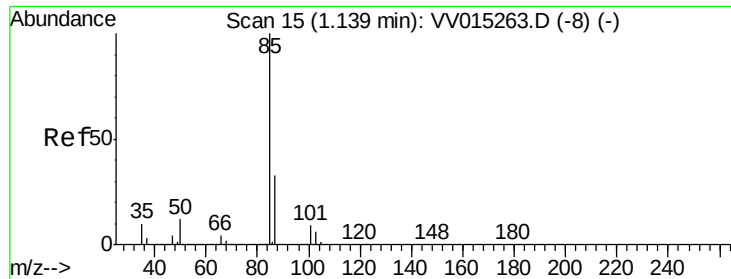
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 10:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 10:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) Tetrachloroethene	8.00	164	12899	6.682	ug/L	95
48) 2-Hexanone	8.17	43	43932	13.812	ug/L	98
49) Dibromochloromethane	8.27	129	21490	7.005	ug/L	99
50) 1,2-Dibromoethane	8.38	107	23050	7.603	ug/L #	99
51) Chlorobenzene	8.90	112	55208	6.842	ug/L	93
52) Ethylbenzene	9.04	91	92981	6.654	ug/L	98
53) m,p-Xylene	9.16	106	35067	6.522	ug/L	98
54) o-xylene	9.57	106	36644	6.819	ug/L	95
55) Styrene	9.59	104	59310	6.566	ug/L	98
56) Isopropylbenzene	9.95	105	87723	6.392	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.27	83	33666	7.186	ug/L	92
59) 1,2,3-Trichloropropane	10.30	75	28753	7.510	ug/L	99
61) Bromoform	9.76	173	12255	6.607	ug/L #	97
62) 1,3-Dichlorobenzene	11.21	146	37365	6.775	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	40198	7.257	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	39639	6.966	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	9397	7.929	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	22901	6.560	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	21156	6.518	ug/L	98
69) Naphthalene	13.53	128	86557	6.595	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	22093	6.624	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 6.408 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

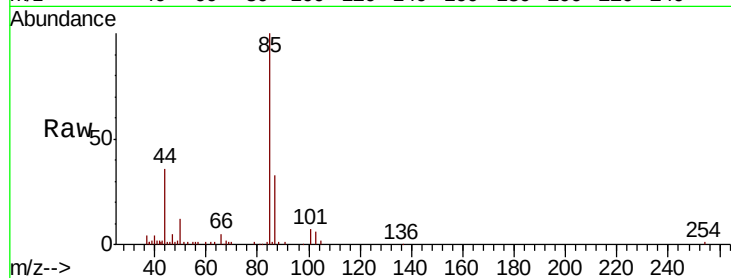
ClientSampleId :

Tot Ion: 85 Resp: 20535

Ion Ratio Lower Upper

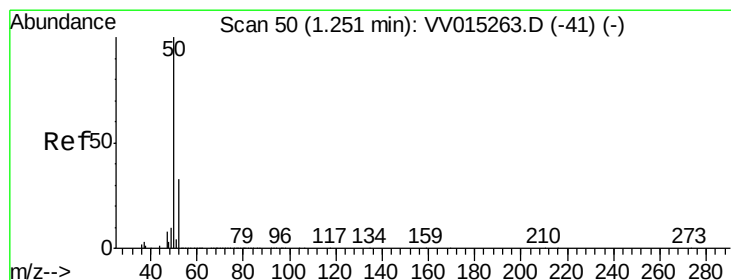
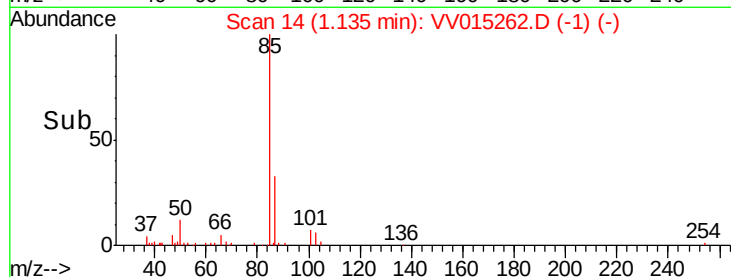
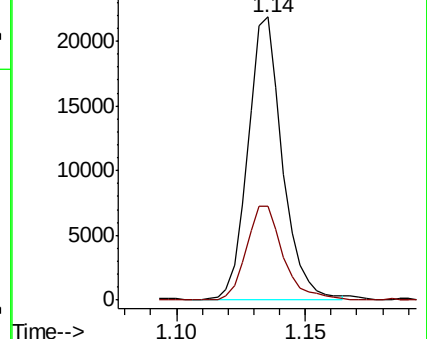
85 100

87 35.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 6.814 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015262.D

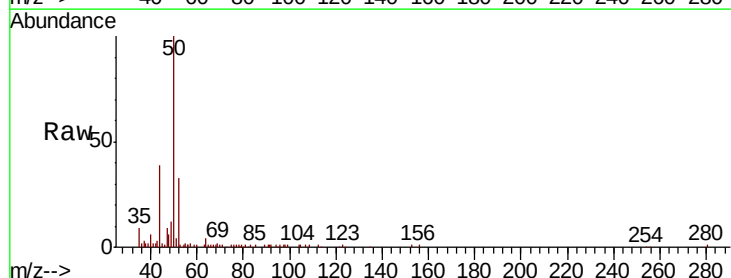
Acq: 30 Mar 2020 09:21

Tgt Ion: 50 Resp: 25196

Ion Ratio Lower Upper

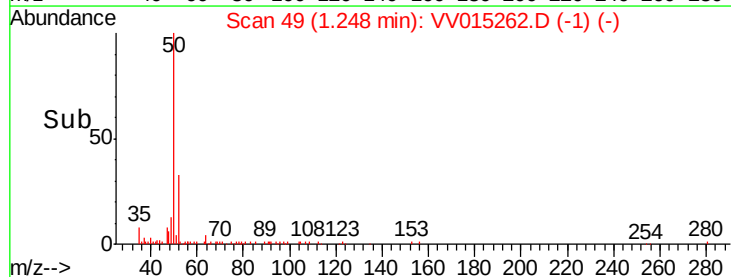
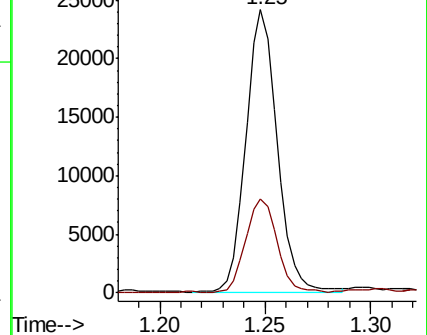
50 100

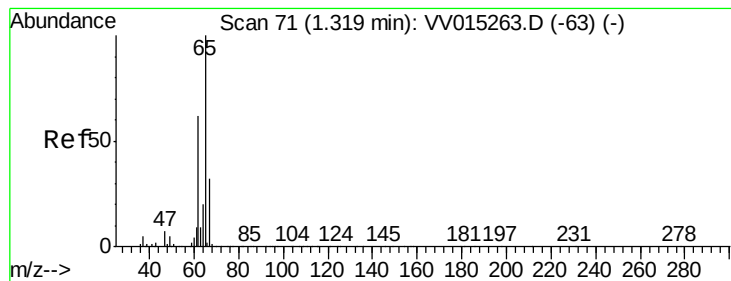
52 33.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 6.848 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

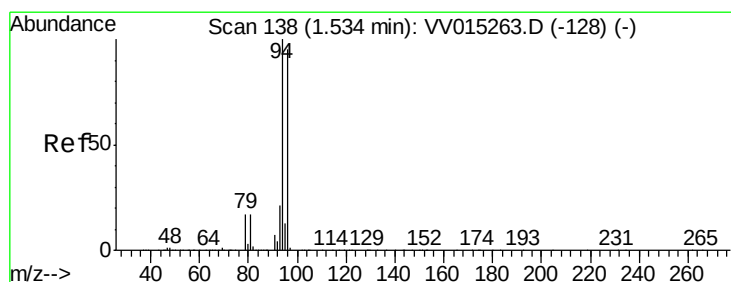
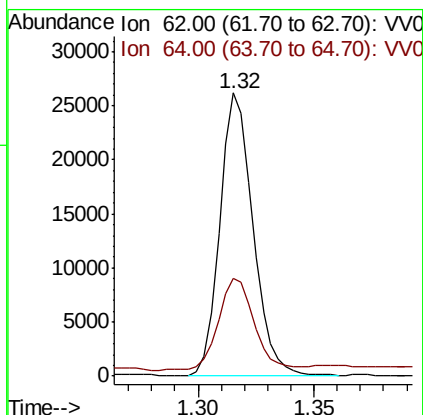
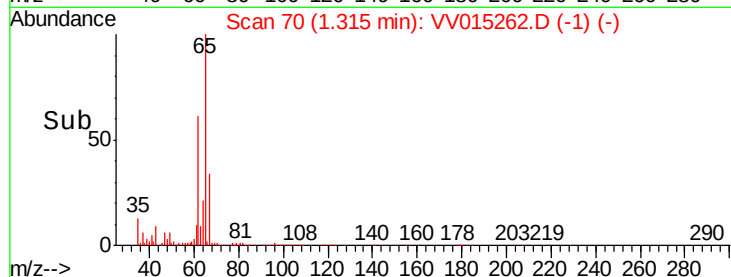
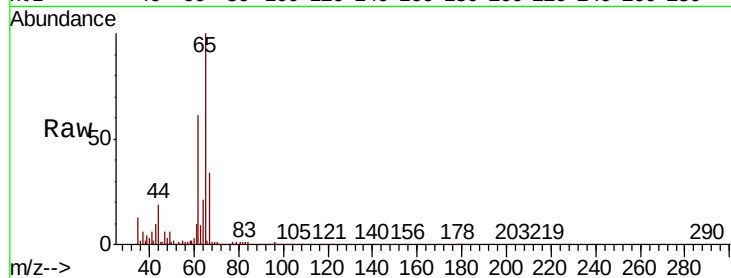
ClientSampleId :

Tot Ion: 62 Resp: 26025

Ion Ratio Lower Upper

62 100

64 34.5 23.2 43.2



#6

Bromomethane

Concen: 7.121 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV015262.D

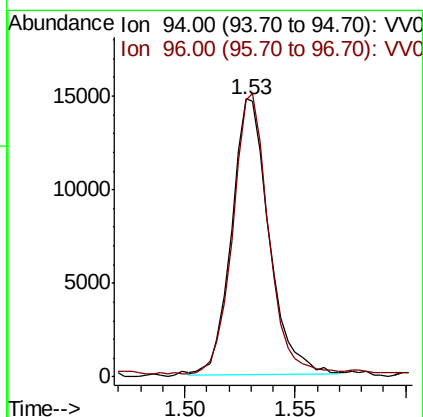
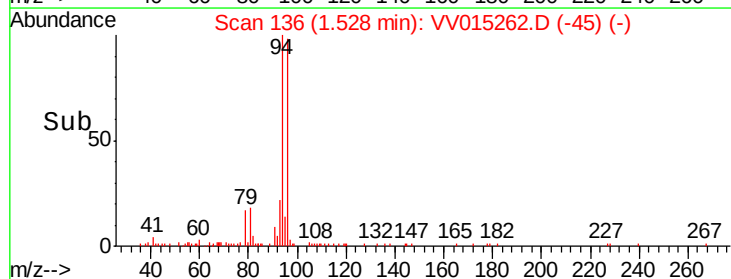
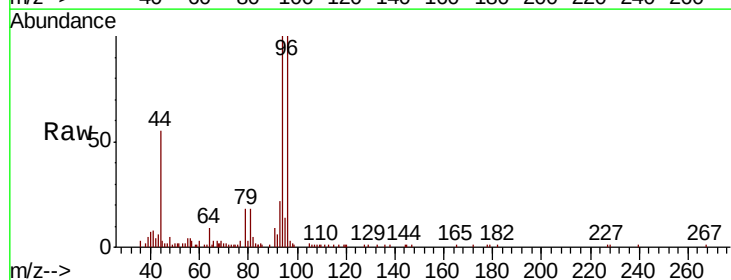
Acq: 30 Mar 2020 09:21

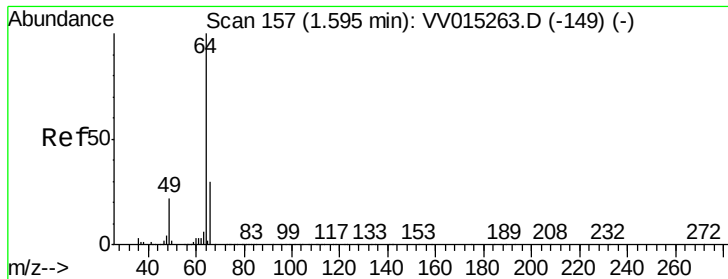
Tgt Ion: 94 Resp: 17457

Ion Ratio Lower Upper

94 100

96 99.6 66.2 123.0





#8

Chloroethane

Concen: 8.100 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

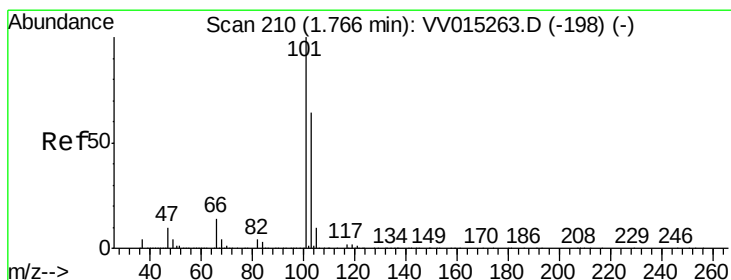
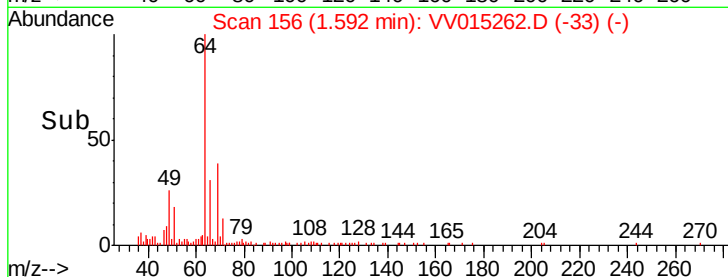
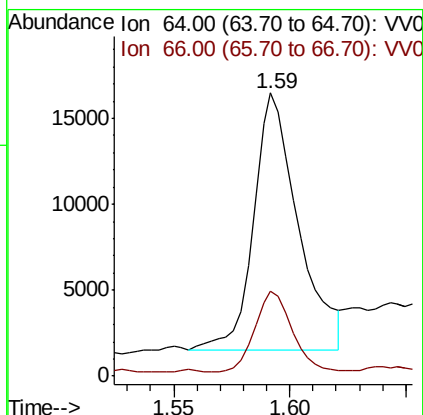
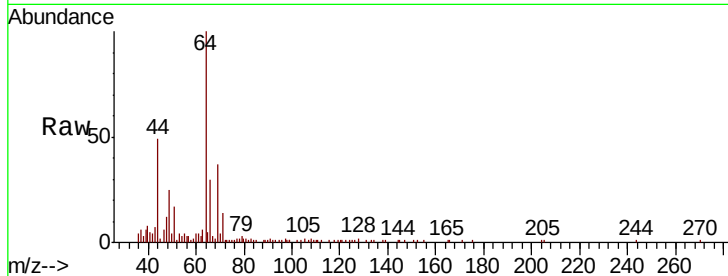
ClientSampled :

Tot Ion: 64 Resp: 19960

Ion Ratio Lower Upper

64 100

66 29.9 21.1 39.3



#9

Trichlorofluoromethane

Concen: 6.342 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015262.D

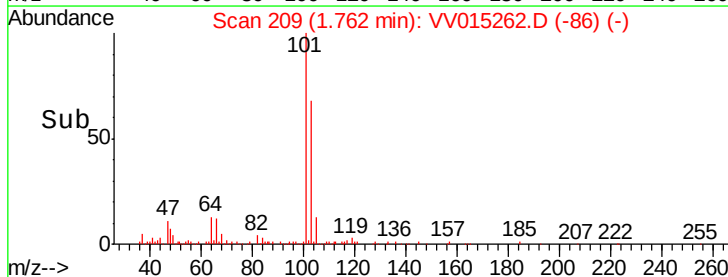
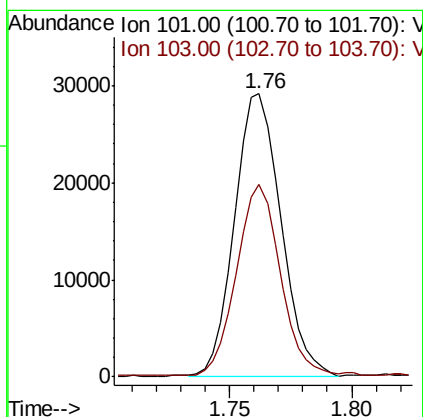
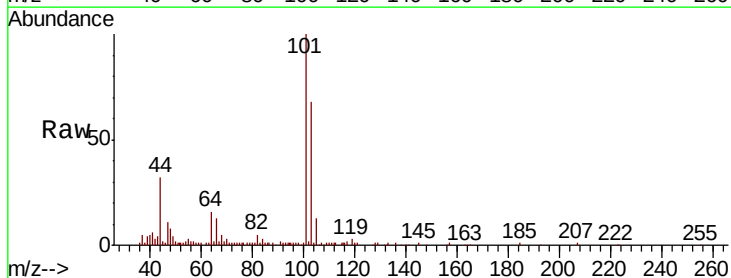
Acq: 30 Mar 2020 09:21

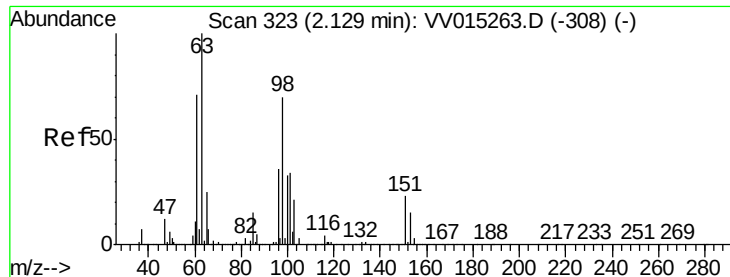
Tgt Ion: 101 Resp: 38689

Ion Ratio Lower Upper

101 100

103 63.4 50.7 76.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 6.370 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

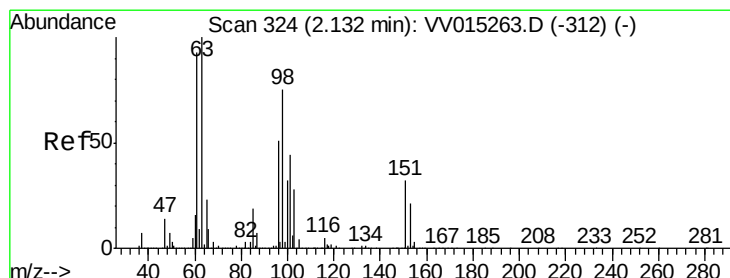
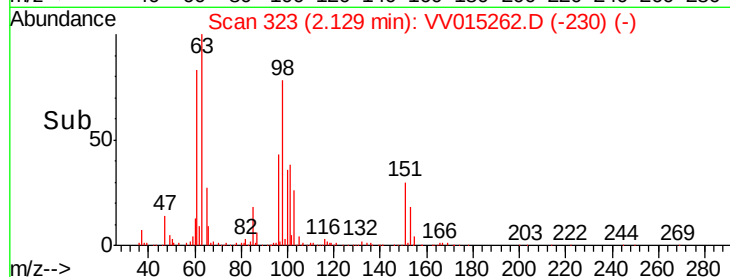
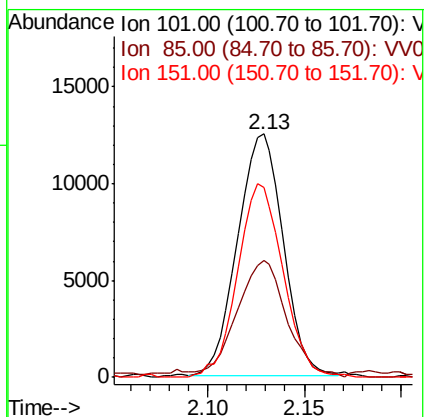
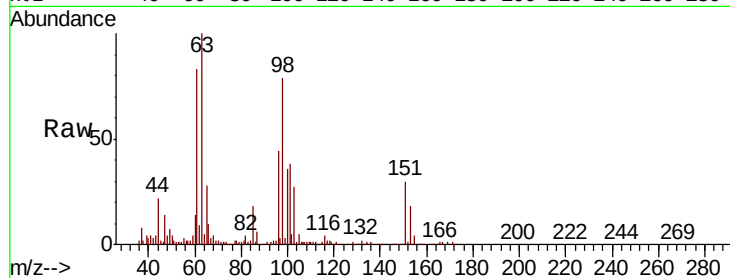
Tot Ion:101 Resp: 20534

Ion Ratio Lower Upper

101 100

85 53.4 35.4 53.0#

151 79.2 56.6 84.8



#12

1,1-Dichloroethene

Concen: 7.021 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

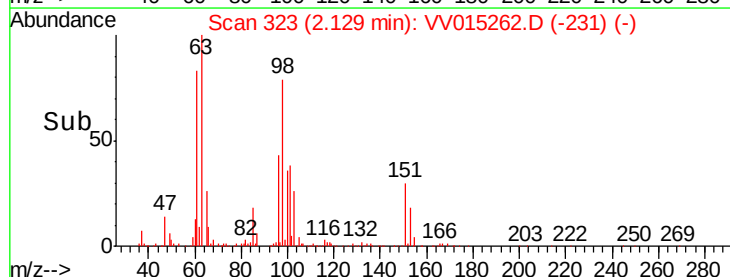
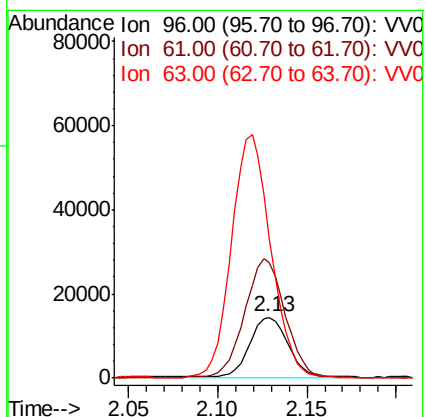
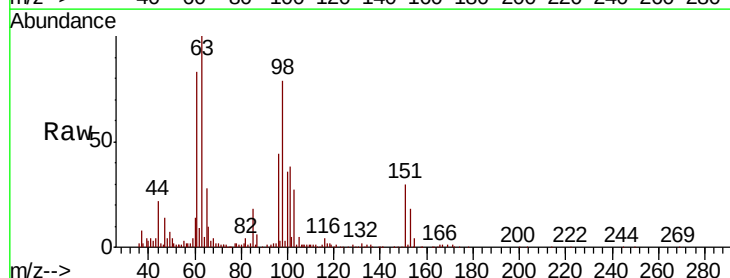
Tgt Ion: 96 Resp: 22510

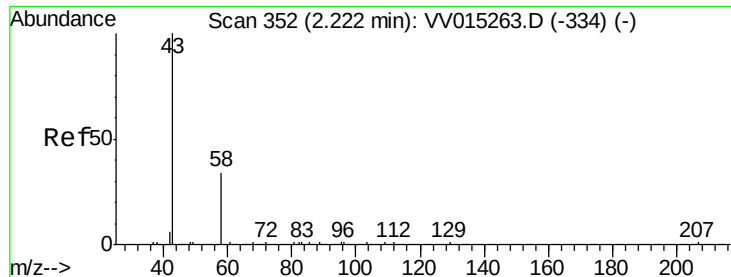
Ion Ratio Lower Upper

96 100

61 190.2 128.2 238.2

63 229.8 140.3 260.5





#13

Acetone

Concen: 4.751 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

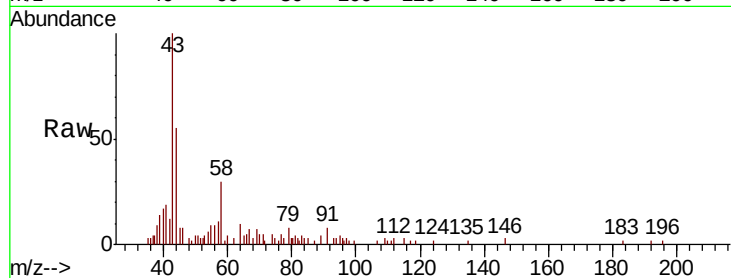
ClientSampleId :

Tot Ion: 43 Resp: 5746

Ion Ratio Lower Upper

43 100

58 20.3 0.0 37.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.21

6000

5000

4000

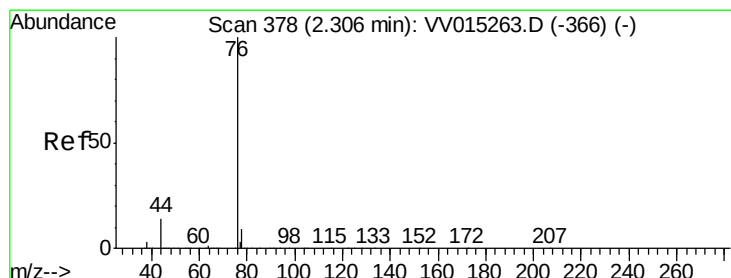
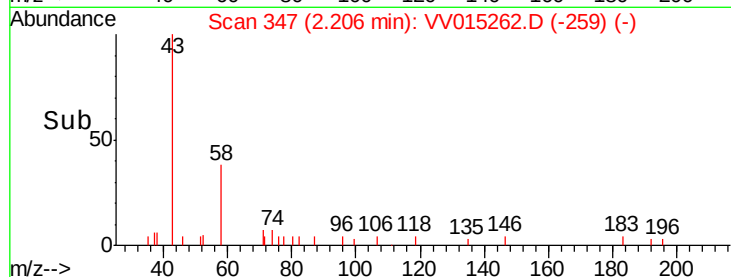
3000

2000

1000

0

Time-->



#14

Carbon disulfide

Concen: 6.802 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015262.D

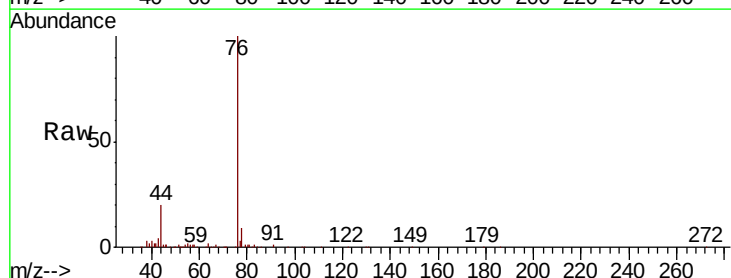
Acq: 30 Mar 2020 09:21

Tgt Ion: 76 Resp: 54180

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

40000

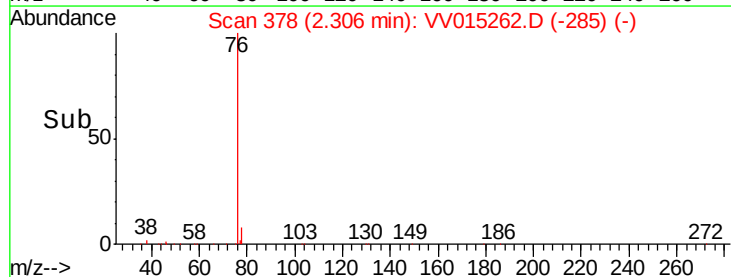
30000

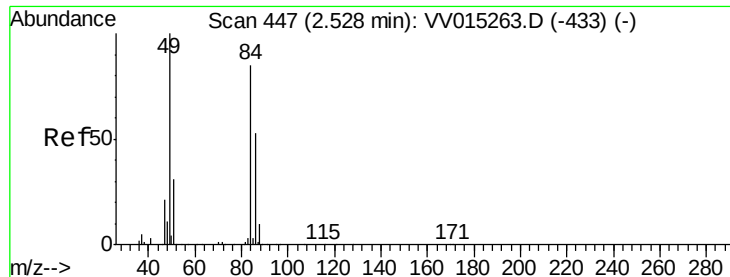
20000

10000

0

Time-->

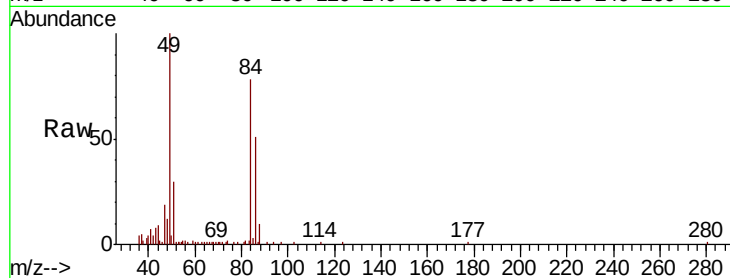




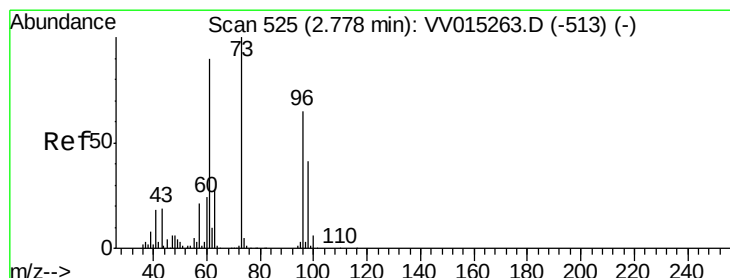
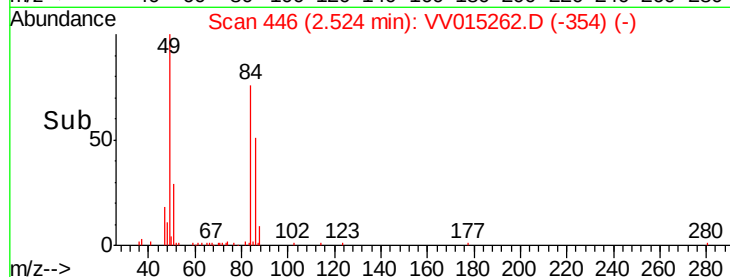
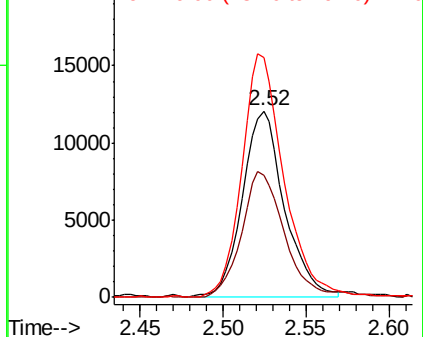
#16
Methylene chloride
Concen: 6.784 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 21275
Ion Ratio Lower Upper
84 100
86 65.8 43.9 81.5
49 129.0 82.4 153.0

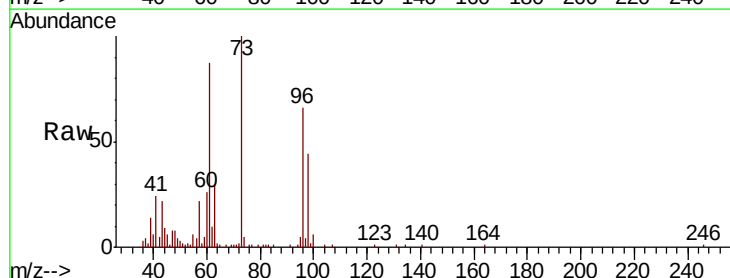


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

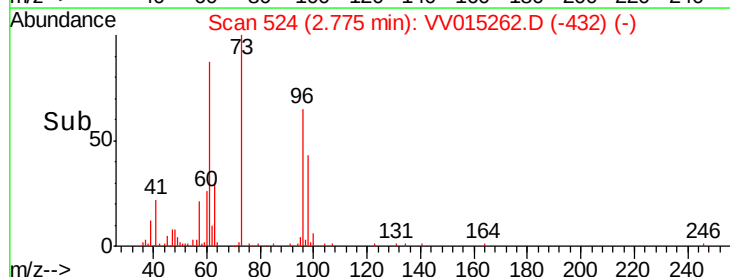
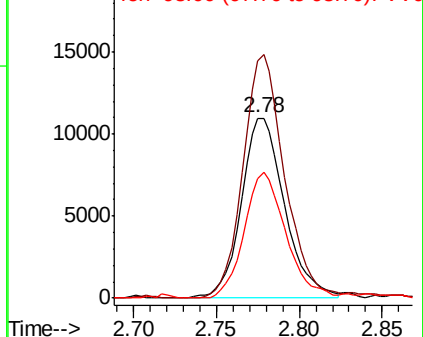


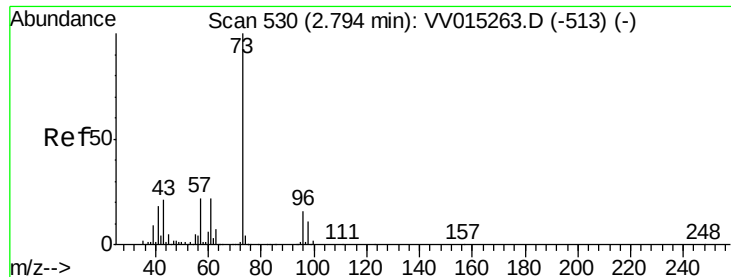
#17
trans-1,2-Dichloroethene
Concen: 7.219 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

Tgt Ion: 96 Resp: 19902
Ion Ratio Lower Upper
96 100
61 131.5 97.6 181.2
98 66.6 44.5 82.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#18

Methyl tert-butyl Ether

Concen: 6.984 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

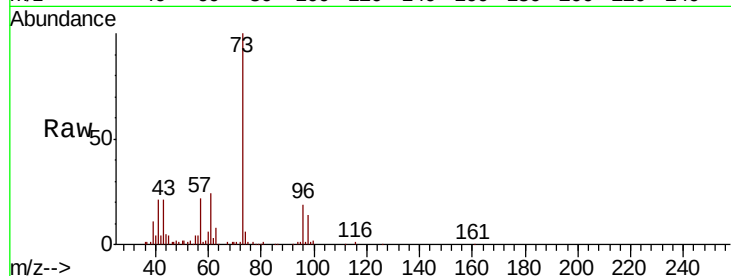
Tot Ion: 73 Resp: 65741

Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

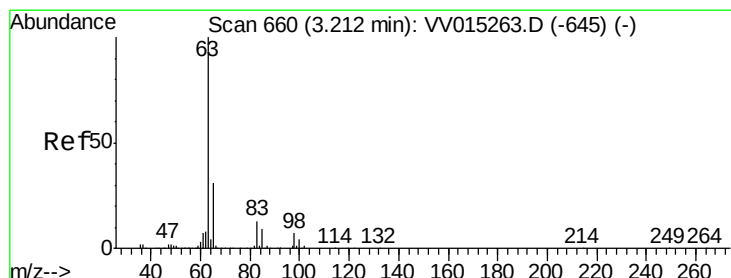
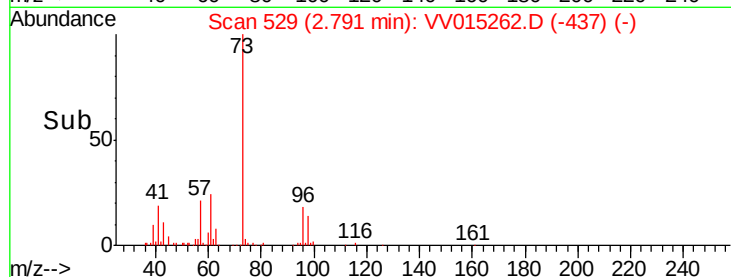
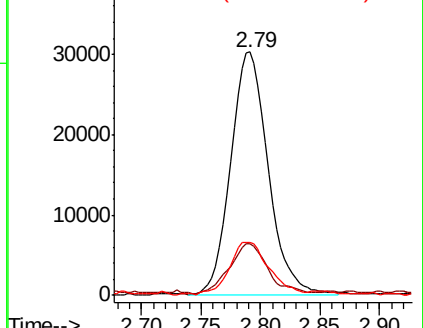
57 22.4 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VV015263.D (-513) (-)

Ion 43.00 (42.70 to 43.70): VV015263.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VV015263.D (-513) (-)



#19

1,1-Dichloroethane

Concen: 7.136 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

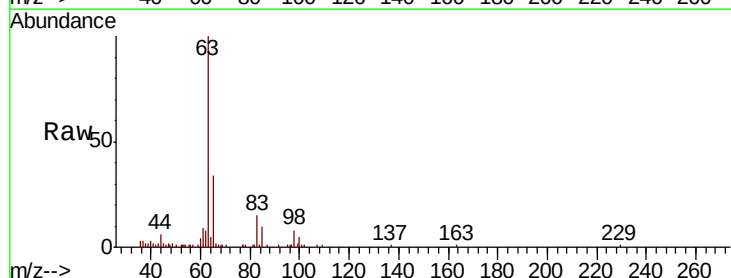
Tgt Ion: 63 Resp: 36832

Ion Ratio Lower Upper

63 100

65 34.1 21.5 39.9

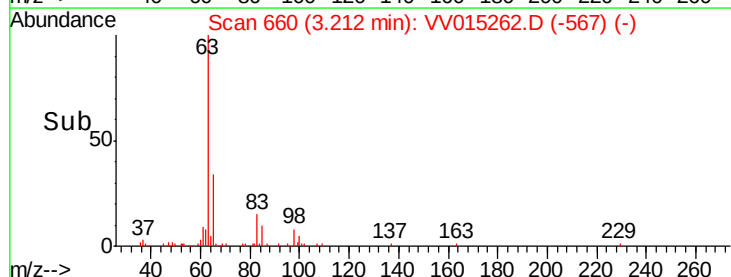
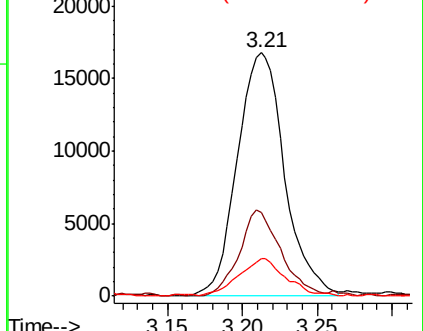
83 15.2 9.4 17.6

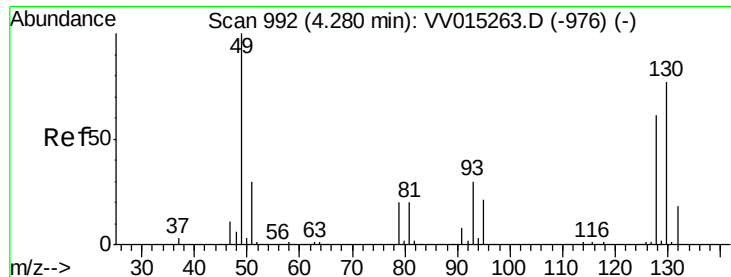


Abundance Ion 63.00 (62.70 to 63.70): VV015263.D (-645) (-)

Ion 65.00 (64.70 to 65.70): VV015263.D (-645) (-)

Ion 83.00 (82.70 to 83.70): VV015263.D (-645) (-)





#23

Bromochloromethane

Concen: 7.045 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.01 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 11031

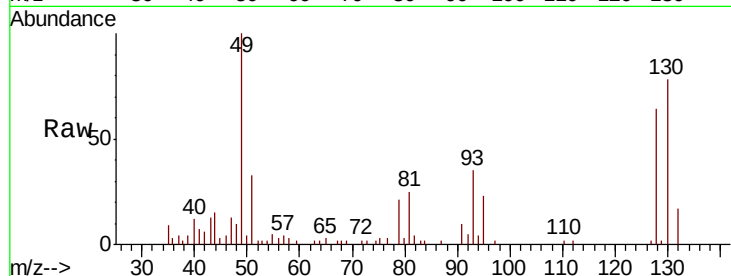
Ion Ratio Lower Upper

128 100

49 151.9 114.7 213.1

130 118.4 88.1 163.5

51 50.2 39.7 59.5

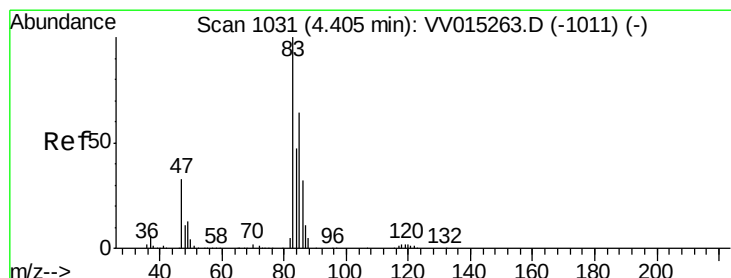
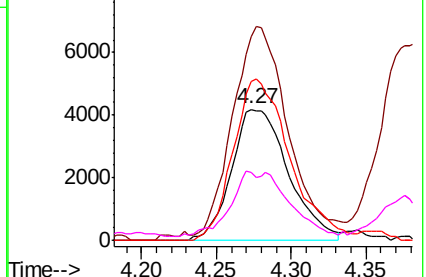
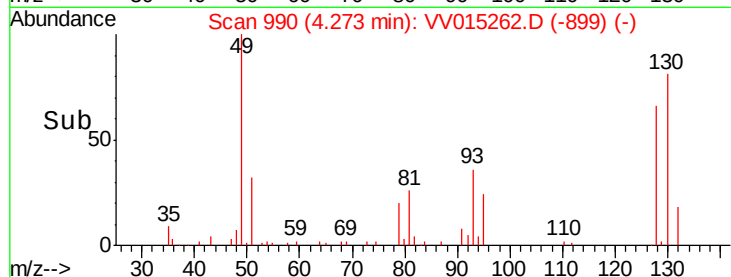


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 7.176 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015262.D

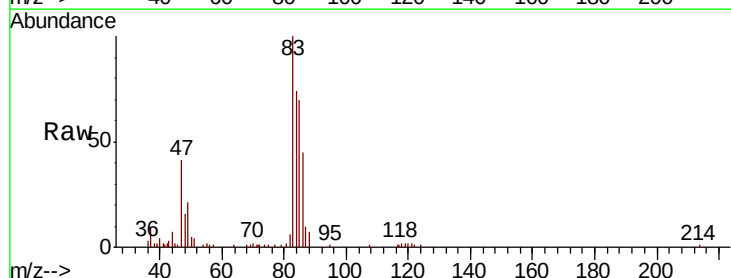
Acq: 30 Mar 2020 09:21

Tgt Ion: 83 Resp: 39688

Ion Ratio Lower Upper

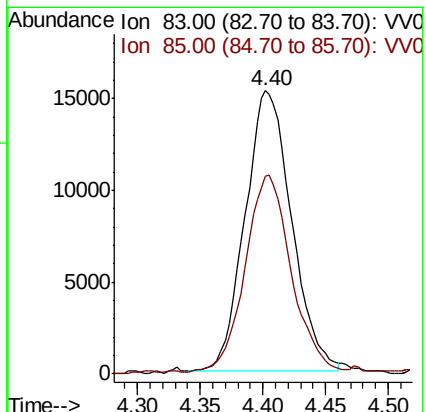
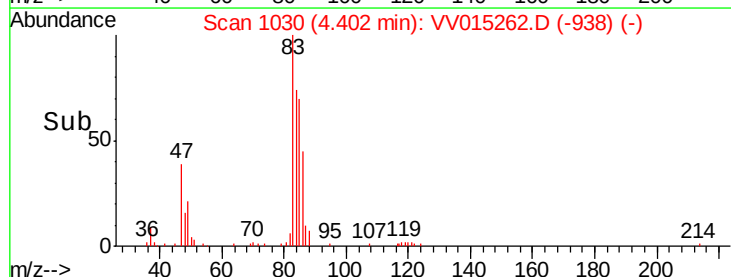
83 100

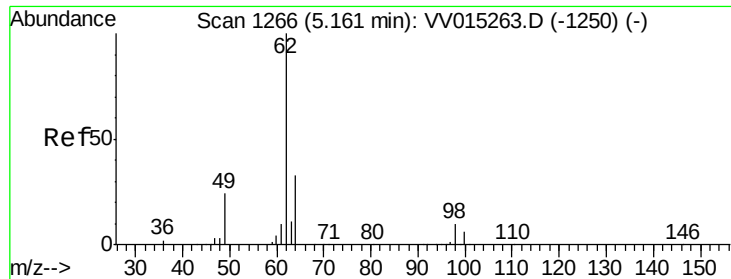
85 69.7 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

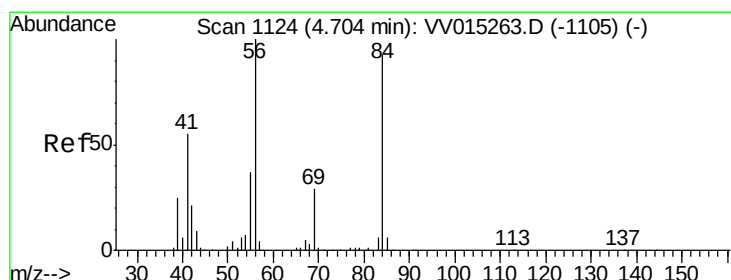
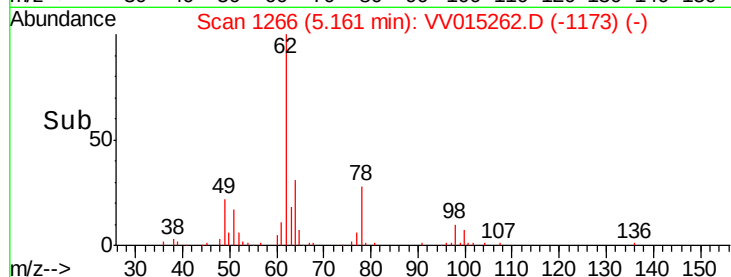
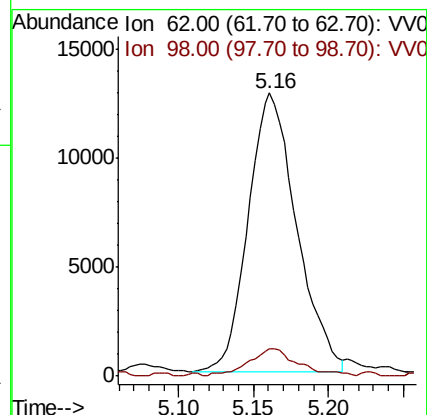
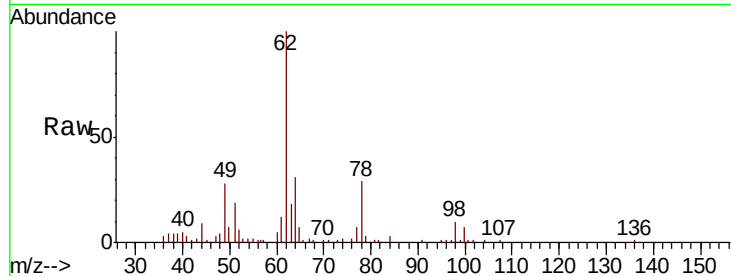




#27
 1,2-Dichloroethane
 Concen: 6.820 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VV015262.D
 Acq: 30 Mar 2020 09:21

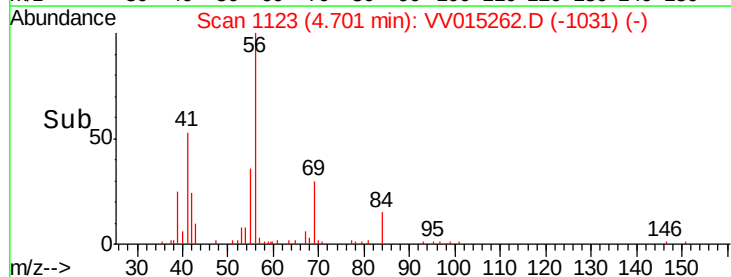
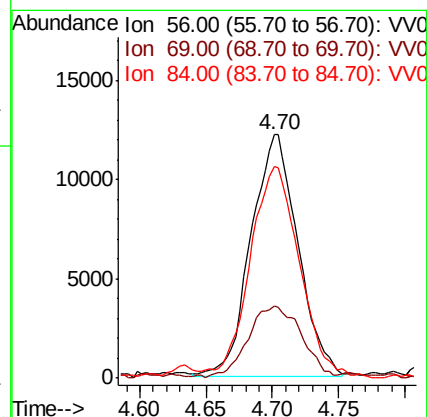
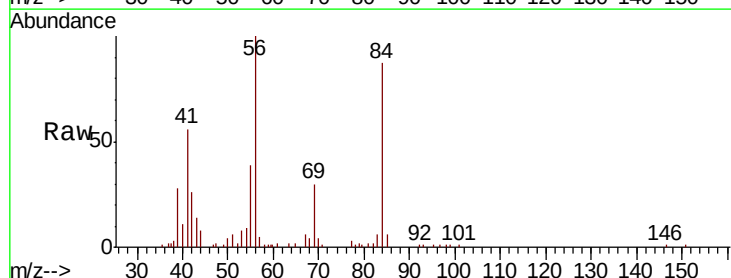
Instrument :
 MSVOA_V
 ClientSampled :

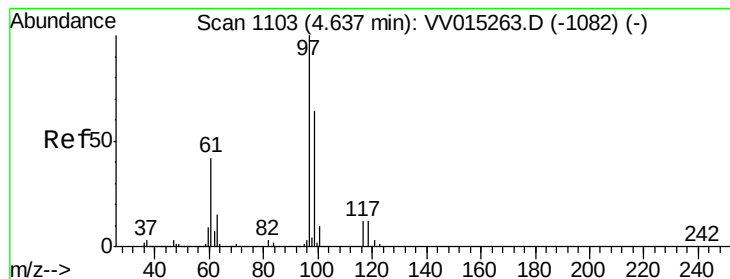
Tot Ion: 62 Resp: 28816
 Ion Ratio Lower Upper
 62 100
 98 9.7 7.6 11.4



#29
 Cyclohexane
 Concen: 6.933 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV015262.D
 Acq: 30 Mar 2020 09:21

Tgt Ion: 56 Resp: 30219
 Ion Ratio Lower Upper
 56 100
 69 12.8 13.8 20.6#
 84 89.2 73.4 110.0





#30

1,1,1-Trichloroethane

Concen: 7.409 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

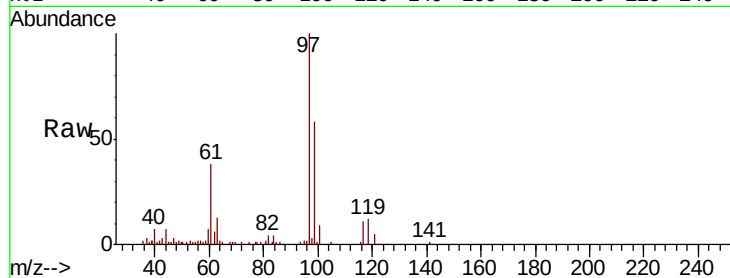
Tot Ion: 97 Resp: 35467

Ion Ratio Lower Upper

97 100

99 61.9 50.8 76.2

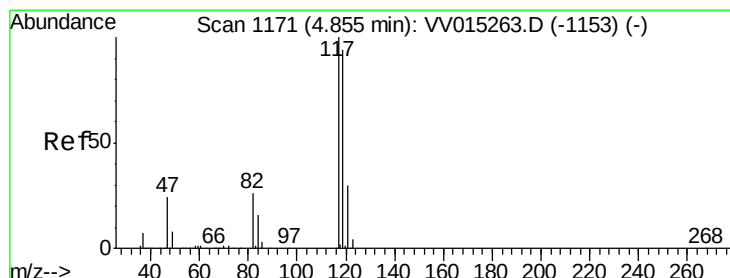
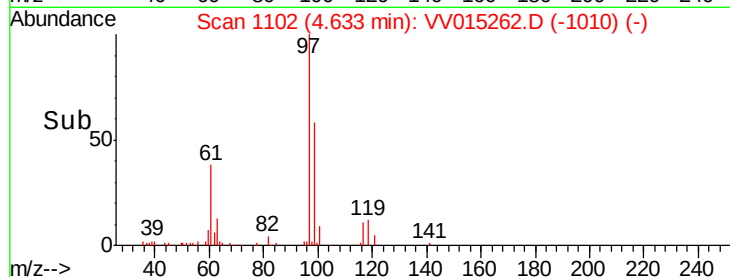
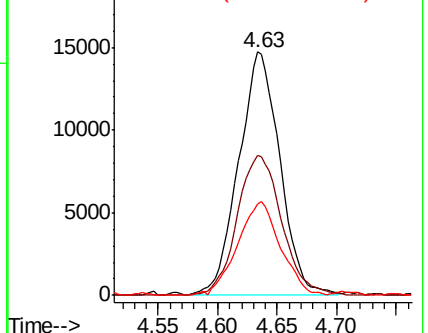
61 39.6 34.2 51.4



Abundance Ion 97.00 (96.70 to 97.70): VV015263.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV015263.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV015263.D (-1082) (-)



#31

Carbon tetrachloride

Concen: 6.706 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015262.D

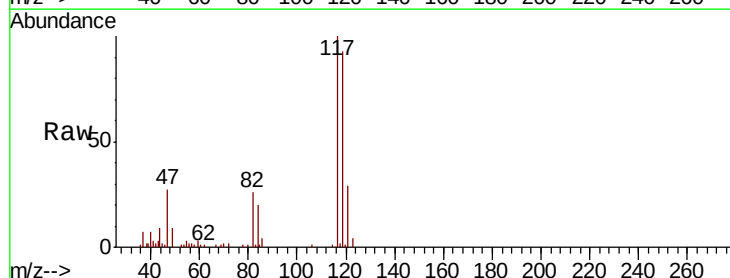
Acq: 30 Mar 2020 09:21

Tgt Ion: 117 Resp: 26990

Ion Ratio Lower Upper

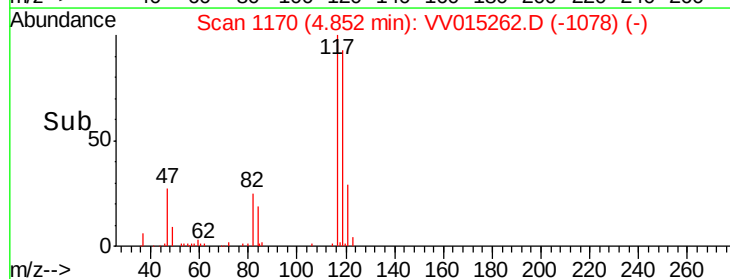
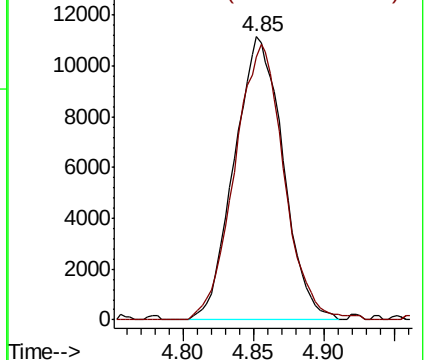
117 100

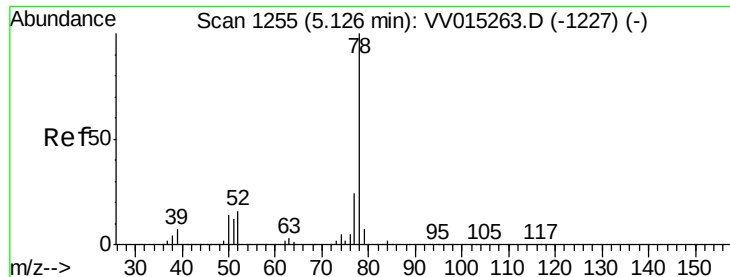
119 98.5 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): VV015263.D (-1153) (-)

Ion 119.00 (118.70 to 119.70): VV015263.D (-1153) (-)





#33

Benzene

Concen: 7.018 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015262.D

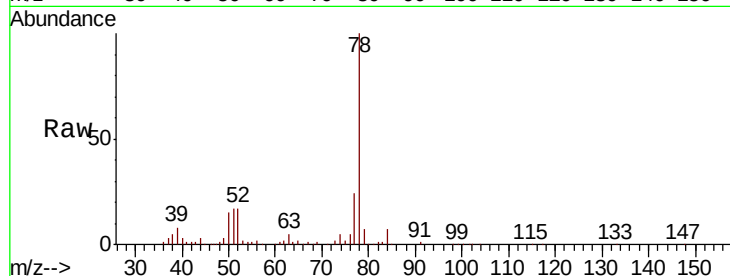
Acq: 30 Mar 2020 09:21

Instrument :

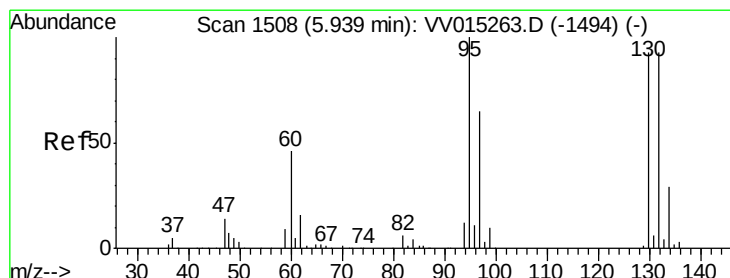
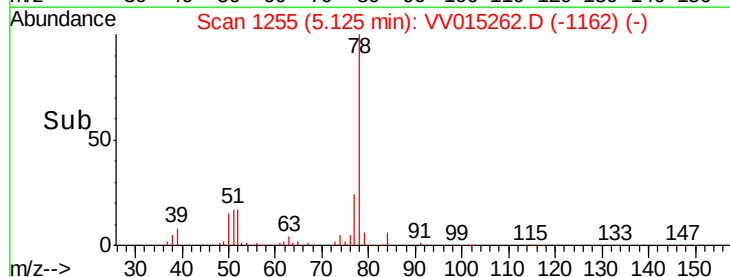
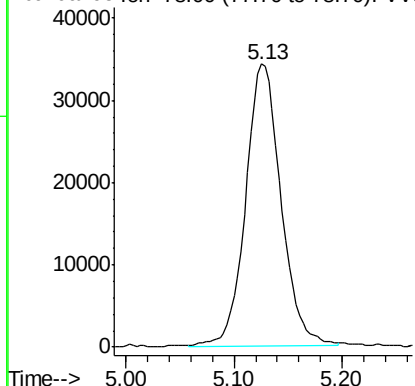
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 78601



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 7.022 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Tgt Ion: 95 Resp: 21114

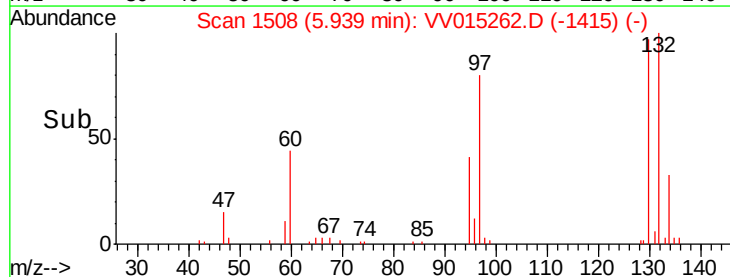
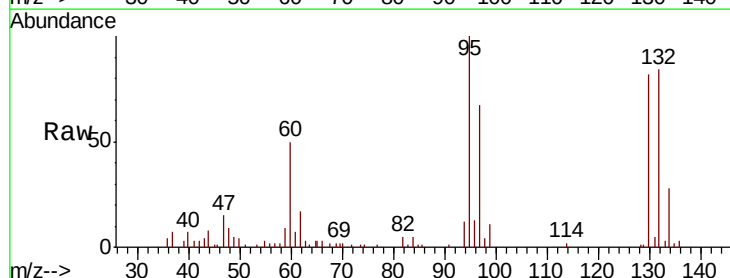
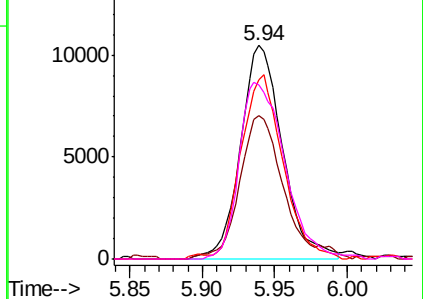
Ion	Ratio	Lower	Upper
95	100		
97	67.2	45.4	84.4
132	83.7	64.8	120.4
130	81.5	65.1	120.9

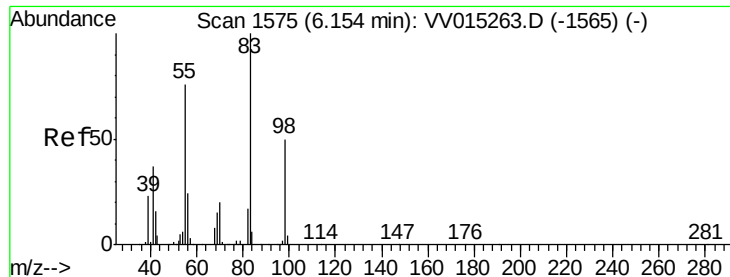
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

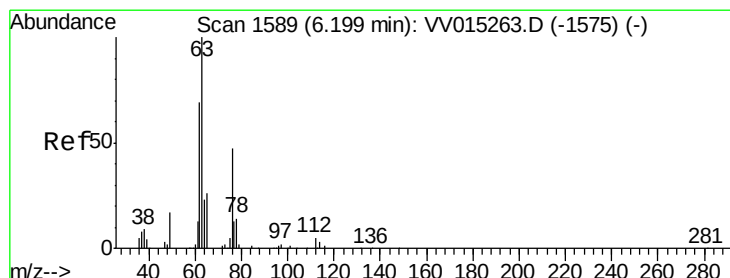
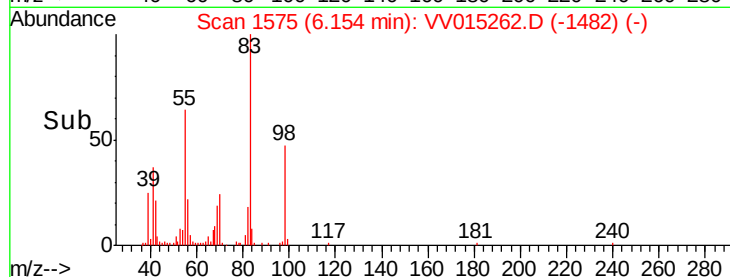
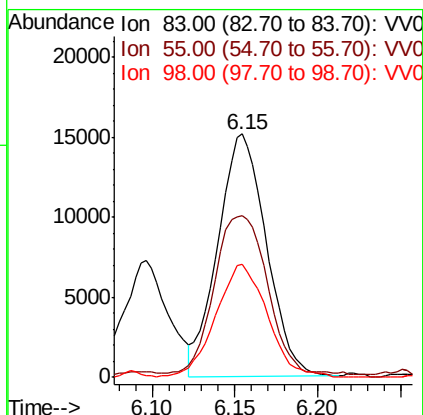
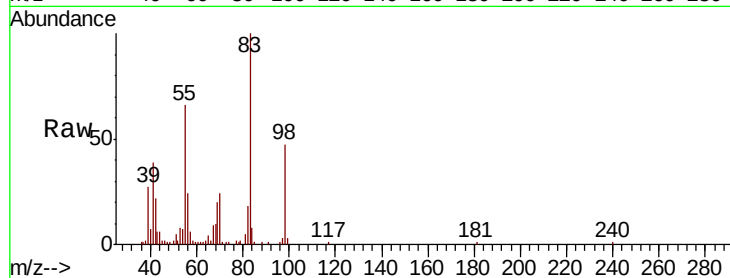




#35
Methylvlcyclohexane
Concen: 6.701 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

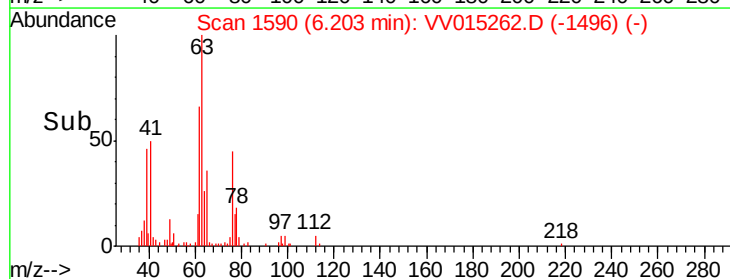
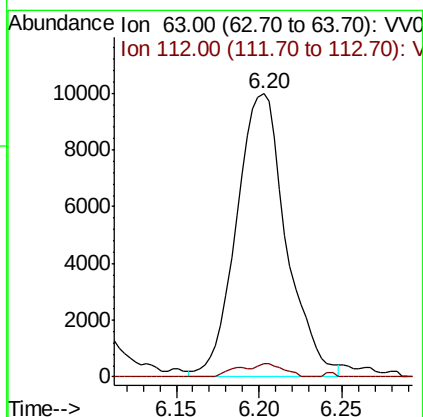
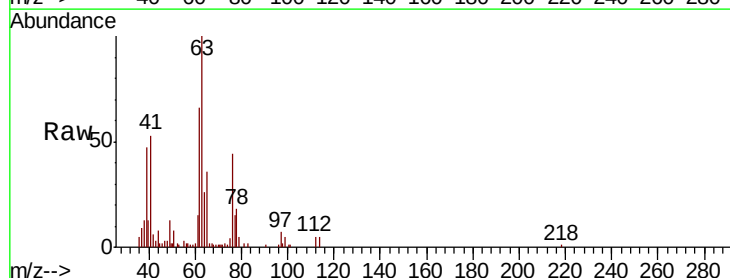
Instrument :
MSVOA_V
ClientSampleId :

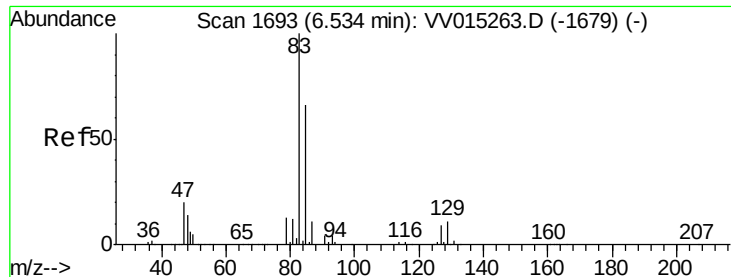
Tot Ion: 83 Resp: 30667
Ion Ratio Lower Upper
83 100
55 71.4 58.4 87.6
98 49.9 39.0 58.4



#37
1,2-Dichloropropane
Concen: 7.423 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

Tgt Ion: 63 Resp: 20872
Ion Ratio Lower Upper
63 100
112 2.4 3.3 4.9#

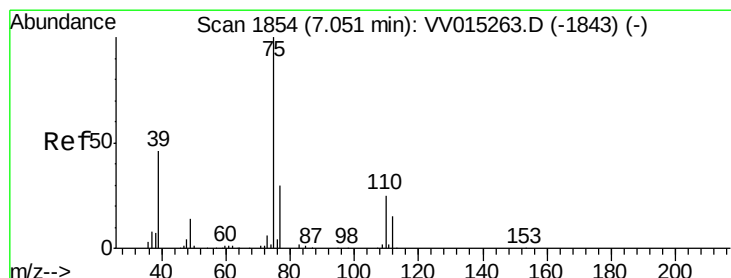
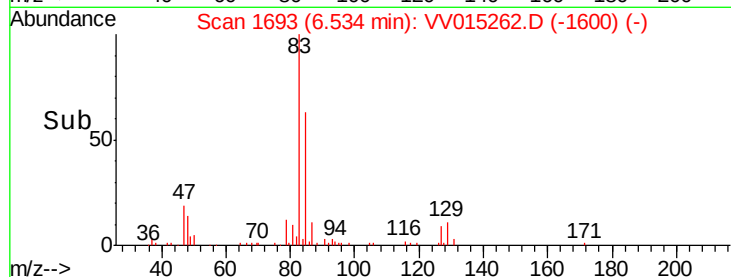
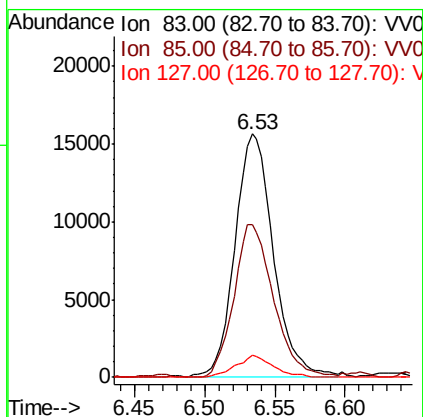
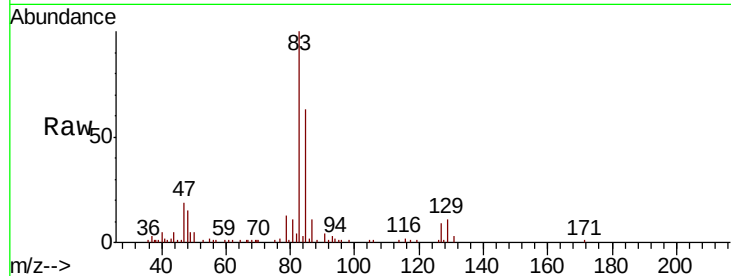




#38
 Bromodichloromethane
 Concen: 7.223 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015262.D
 Acq: 30 Mar 2020 09:21

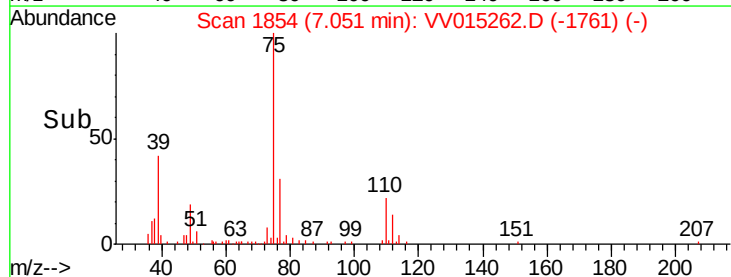
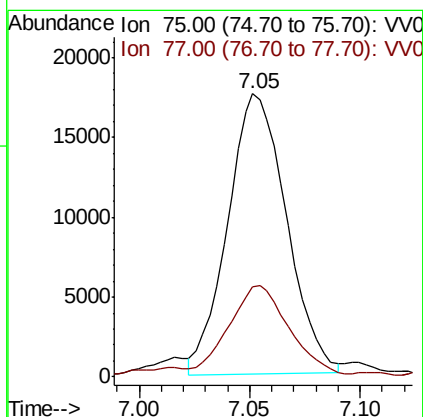
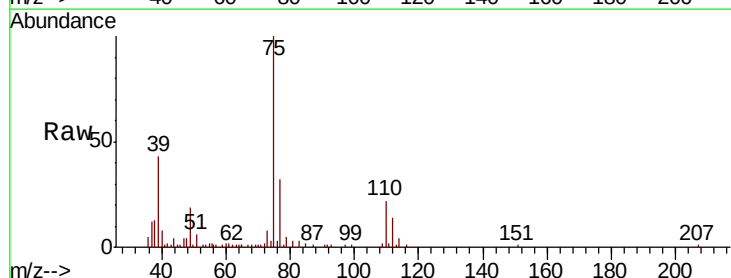
Instrument :
 MSVOA_V
 ClientSampleId :

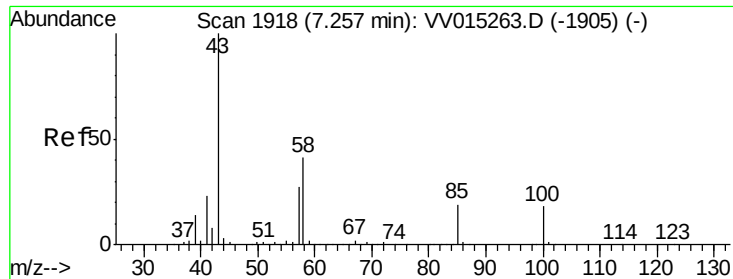
Tot Ion	83	Resp	29939
Ion Ratio	Lower	Upper	
83	100		
85	62.9	46.3	85.9
127	8.9	6.8	10.2



#39
 cis-1,3-Dichloropropene
 Concen: 6.860 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV015262.D
 Acq: 30 Mar 2020 09:21

Tgt Ion	75	Resp	32441
Ion Ratio	Lower	Upper	
75	100		
77	31.7	22.0	40.8

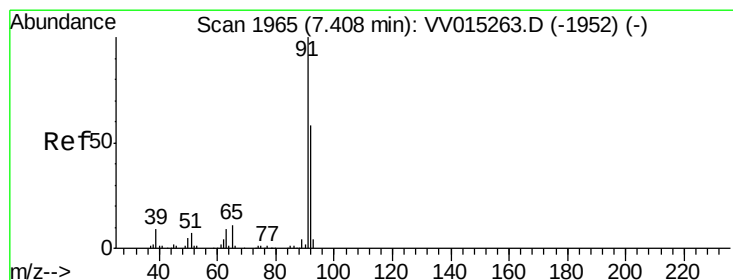
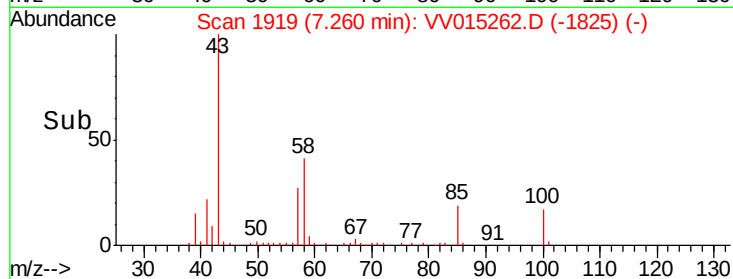
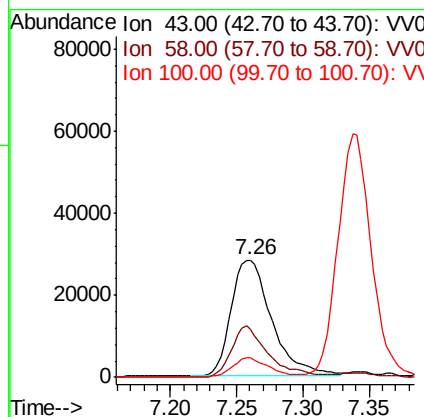
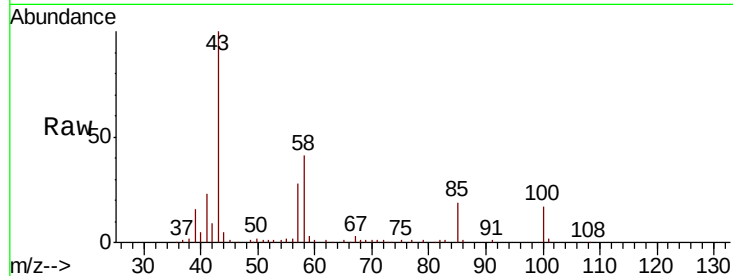




#40
4-Methyl-2-pentanone
Concen: 14.674 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

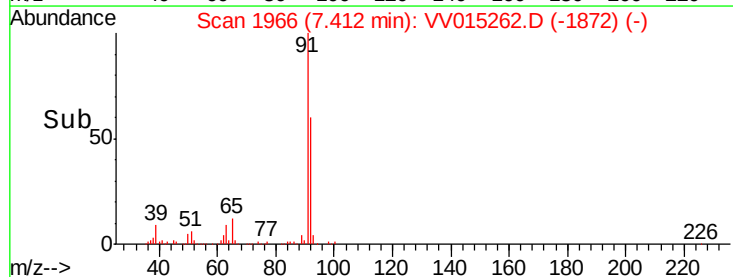
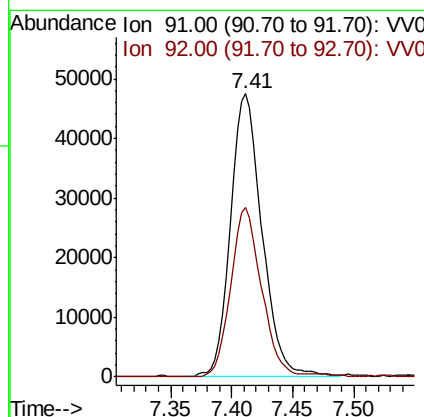
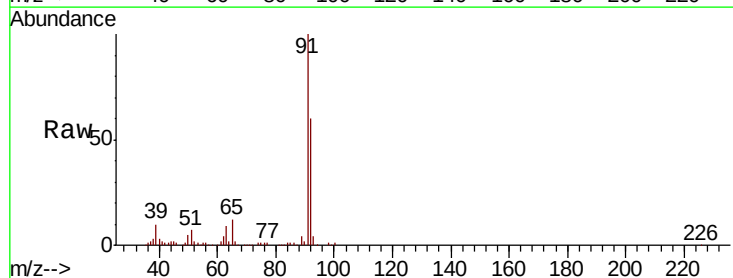
Instrument :
MSVOA_V
ClientSampleId :

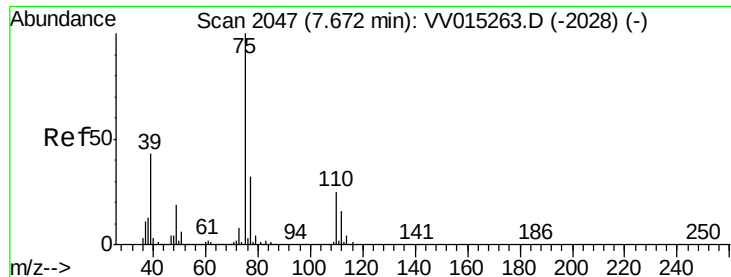
Tot Ion: 43 Resp: 60769
Ion Ratio Lower Upper
43 100
58 39.9 33.0 49.6
100 14.5 13.5 20.3



#42
Toluene
Concen: 6.952 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

Tgt Ion: 91 Resp: 86026
Ion Ratio Lower Upper
91 100
92 59.7 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 7.318 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

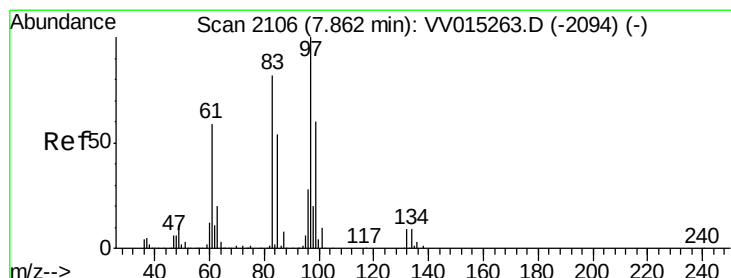
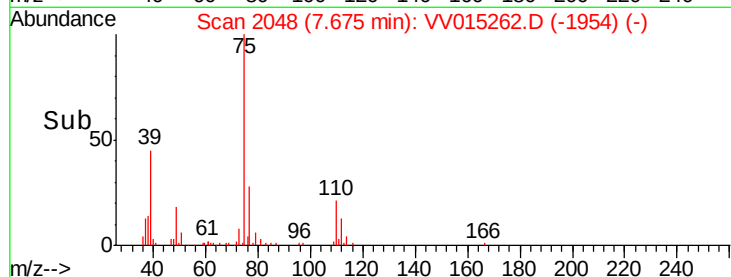
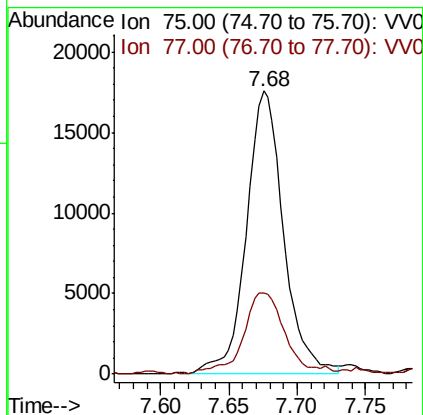
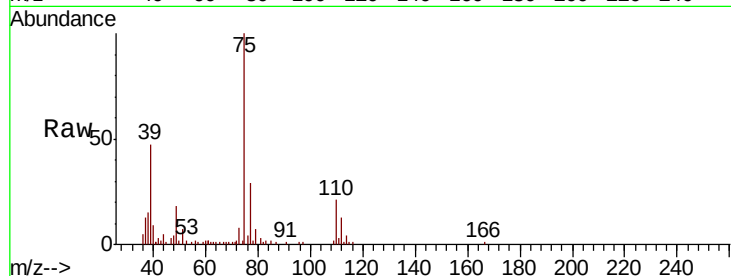
ClientSampleId :

Tot Ion: 75 Resp: 33325

Ion Ratio Lower Upper

75 100

77 28.5 22.3 41.3



#45

1,1,2-Trichloroethane

Concen: 7.190 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Tgt Ion: 97 Resp: 20434

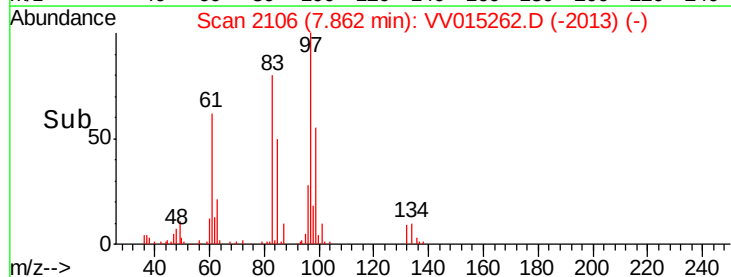
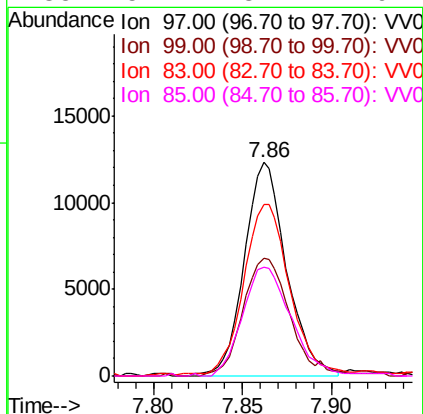
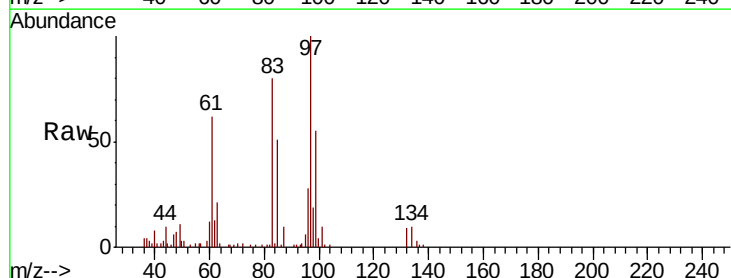
Ion Ratio Lower Upper

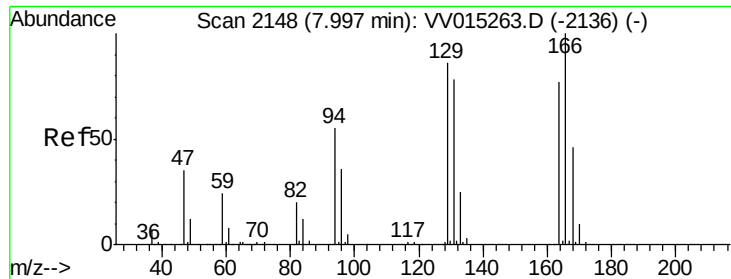
97 100

99 55.4 41.6 77.3

83 82.8 57.7 107.1

85 51.2 37.7 70.1





#46

Tetrachloroethene

Concen: 6.682 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 12899

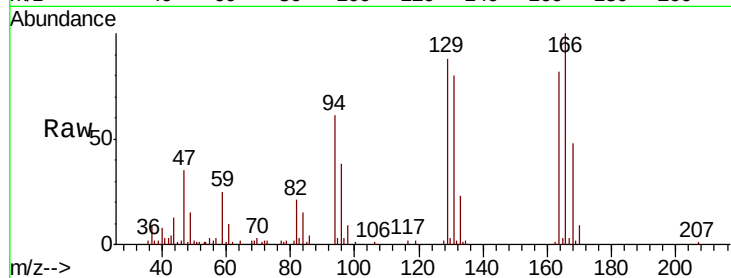
Ion Ratio Lower Upper

164 100

129 107.6 78.0 144.9

131 97.8 71.3 132.3

166 122.4 90.9 168.7



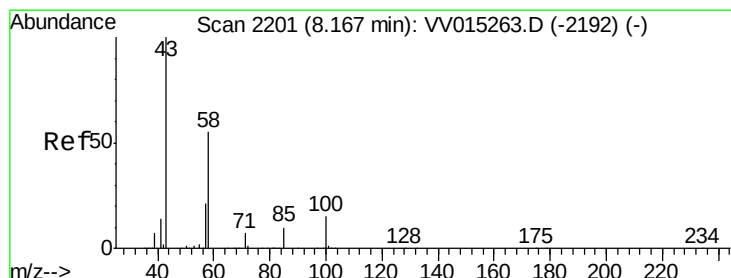
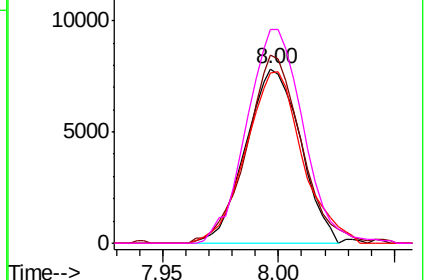
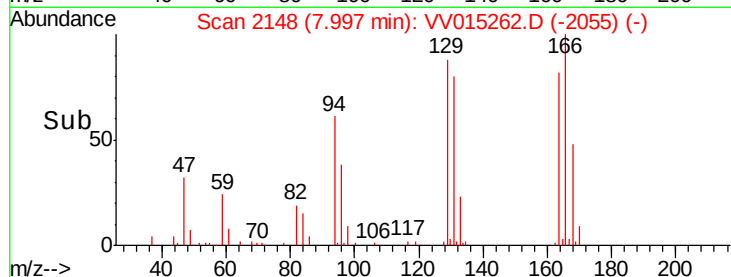
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 13.812 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Tgt Ion: 43 Resp: 43932

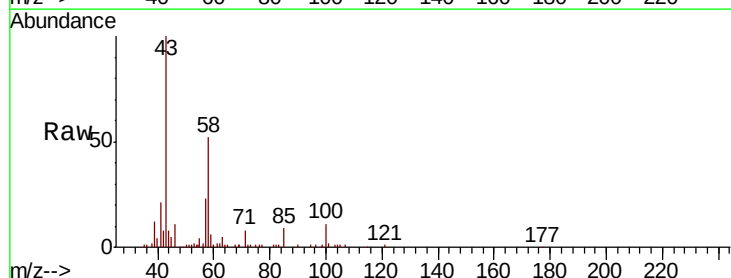
Ion Ratio Lower Upper

43 100

58 57.3 45.7 68.5

57 22.1 15.0 22.4

100 14.0 11.1 16.7



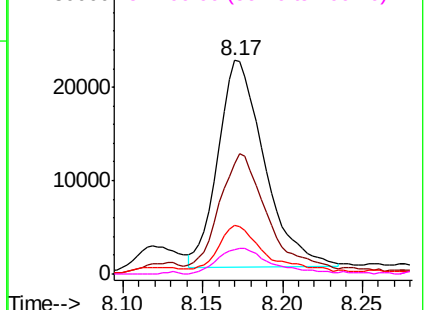
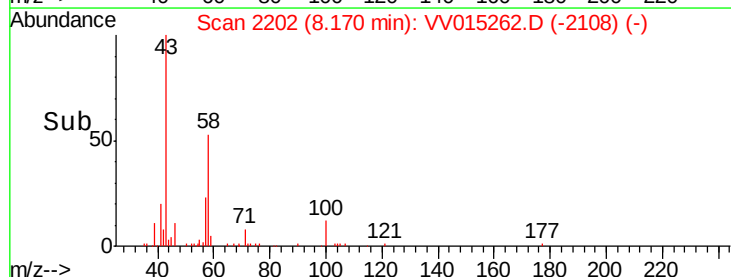
Abundance

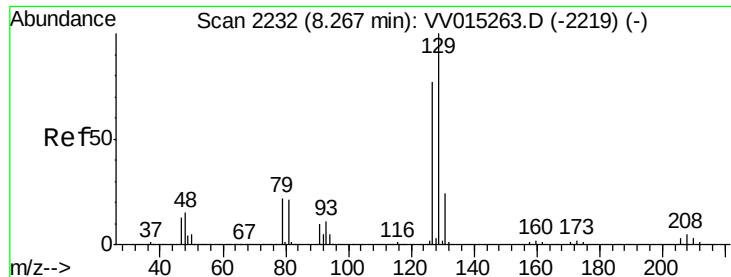
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 7.005 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

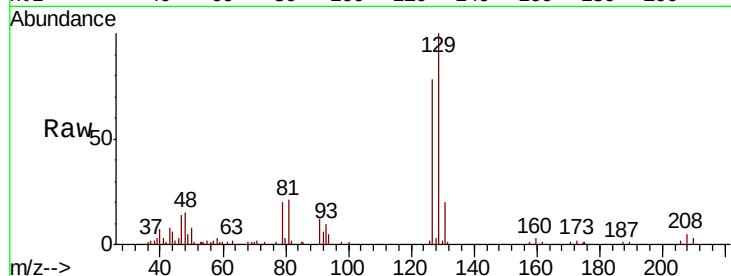
ClientSampled :

Tot Ion:129 Resp: 21490

Ion Ratio Lower Upper

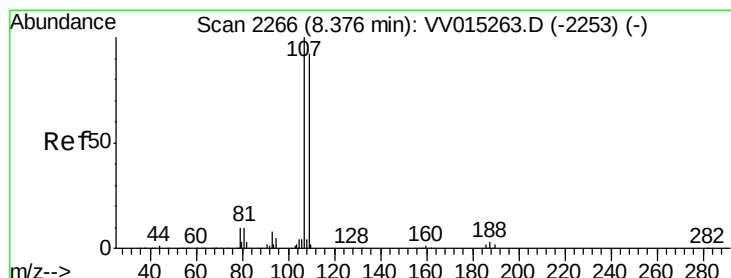
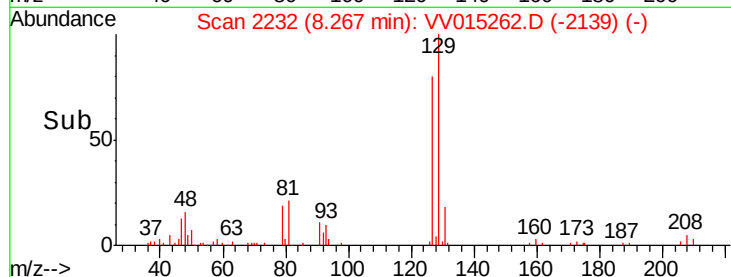
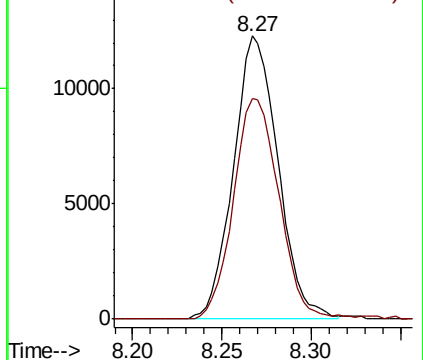
129 100

127 78.1 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 7.603 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

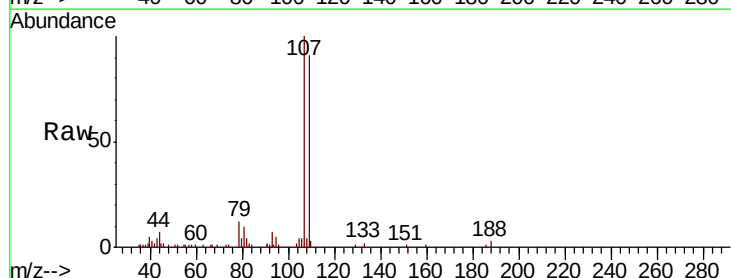
Tgt Ion:107 Resp: 23050

Ion Ratio Lower Upper

107 100

109 90.7 64.3 119.3

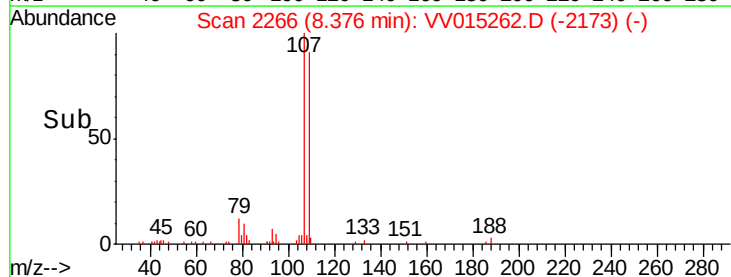
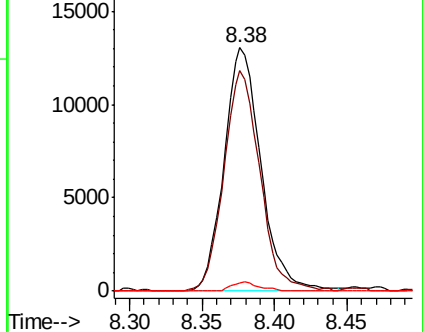
188 3.3 2.2 3.2#

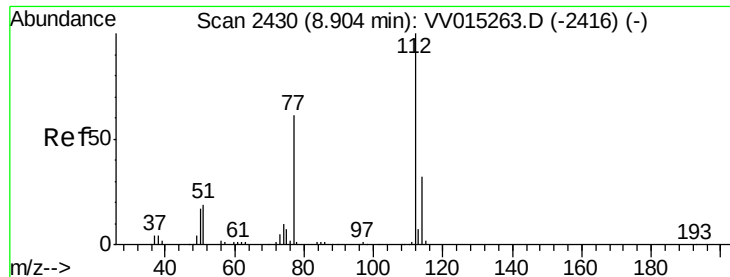


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

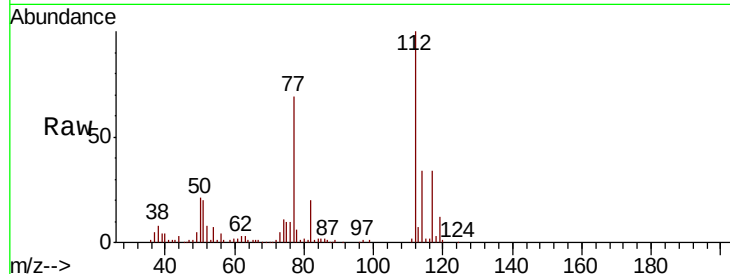




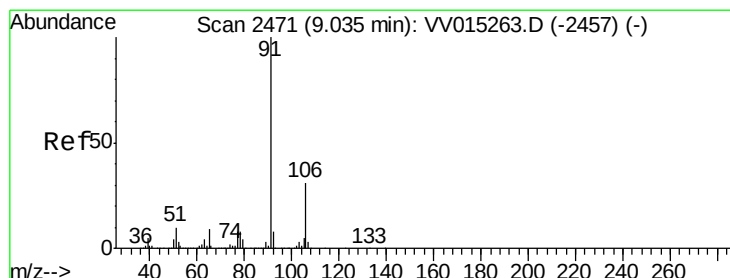
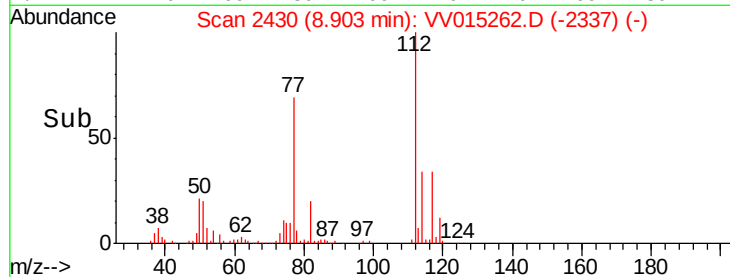
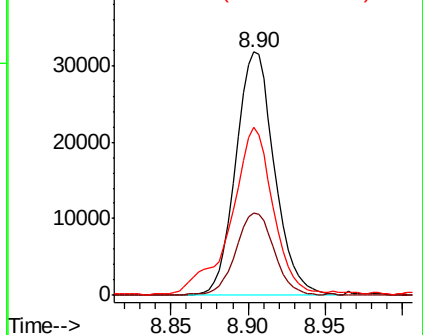
#51
Chlorobenzene
Concen: 6.842 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 55208
Ion Ratio Lower Upper
112 100
114 34.0 22.7 42.3
77 69.1 49.7 74.5

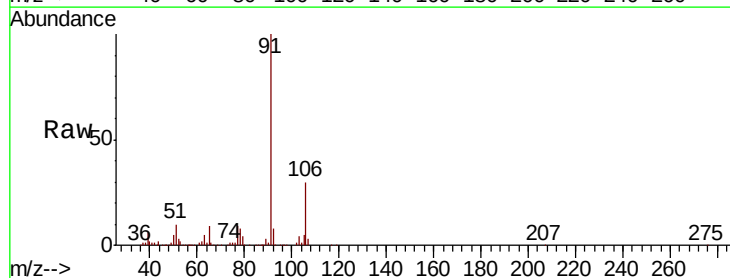


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

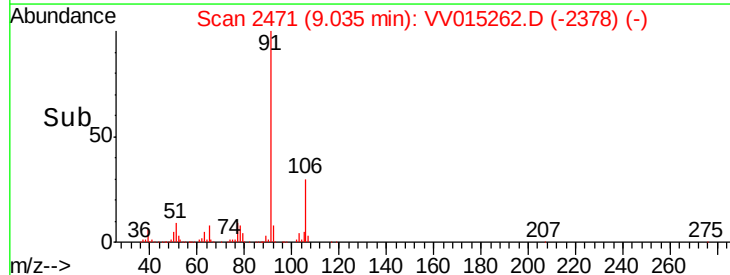
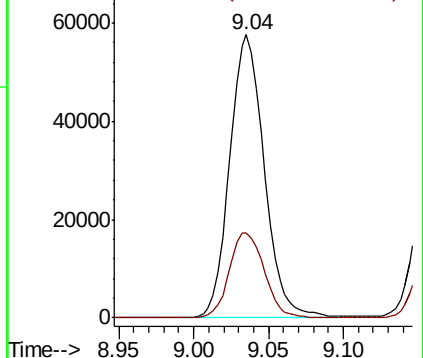


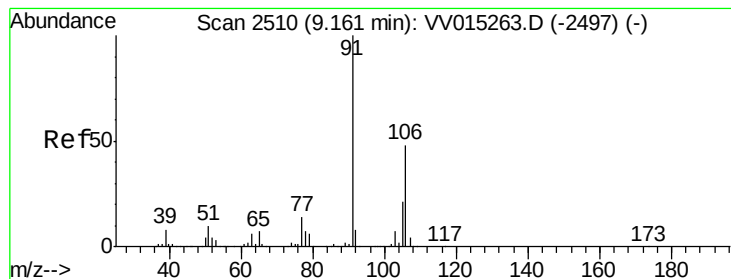
#52
Ethylbenzene
Concen: 6.654 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

Tgt Ion: 91 Resp: 92981
Ion Ratio Lower Upper
91 100
106 30.2 21.8 40.6



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





#53

m,p-Xylene

Concen: 6.522 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

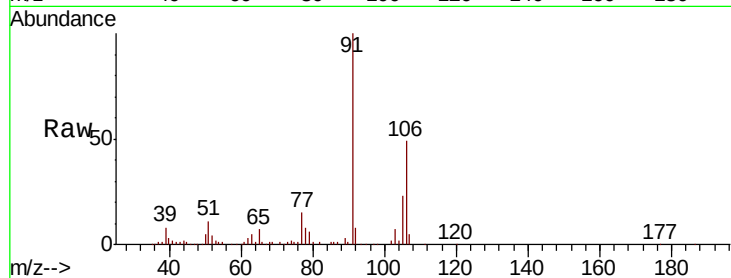
ClientSampled :

Tot Ion:106 Resp: 35067

Ion Ratio Lower Upper

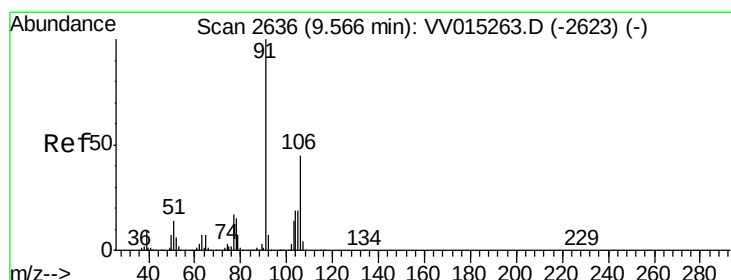
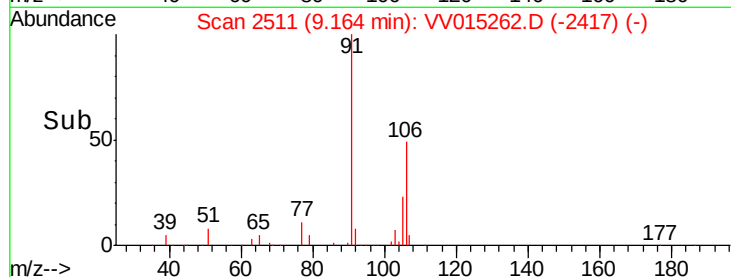
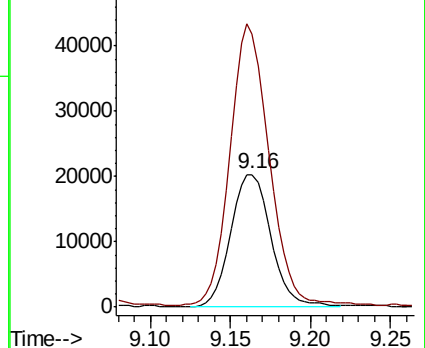
106 100

91 205.2 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 6.819 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015262.D

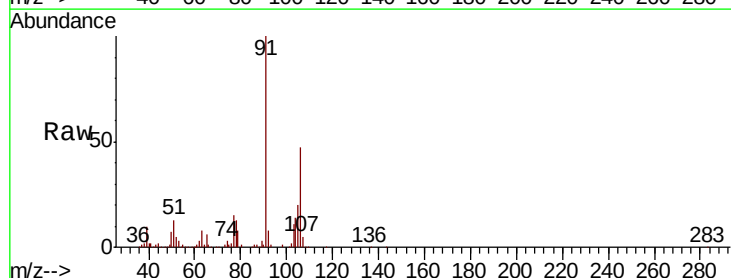
Acq: 30 Mar 2020 09:21

Tgt Ion:106 Resp: 36644

Ion Ratio Lower Upper

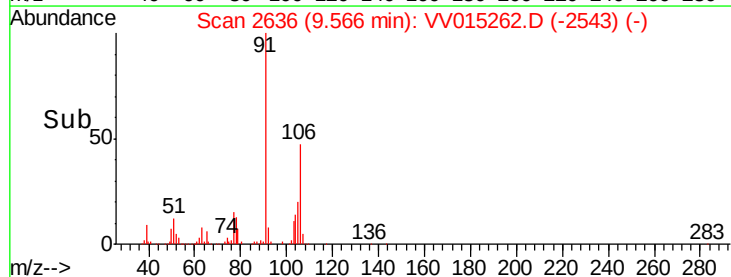
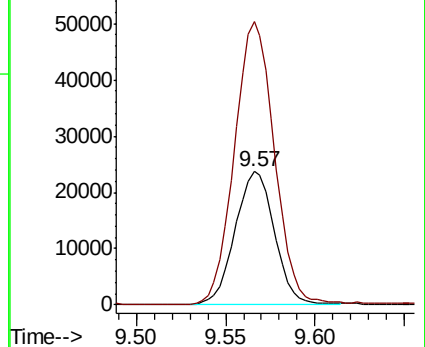
106 100

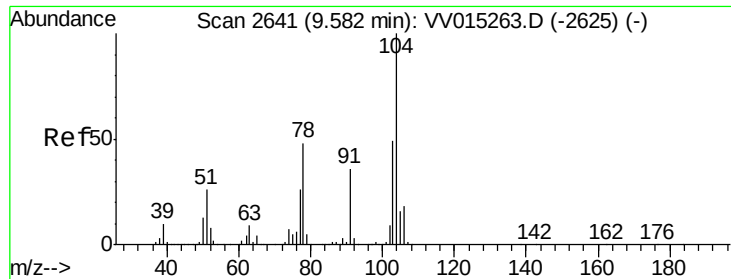
91 212.7 154.0 286.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

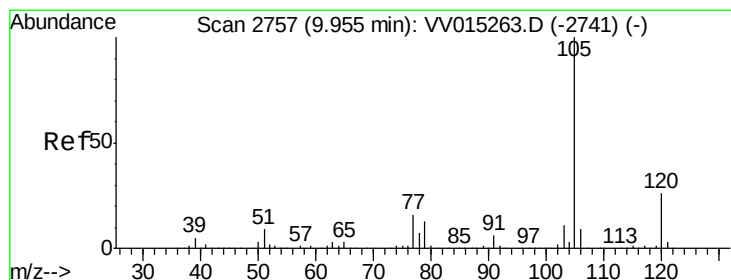
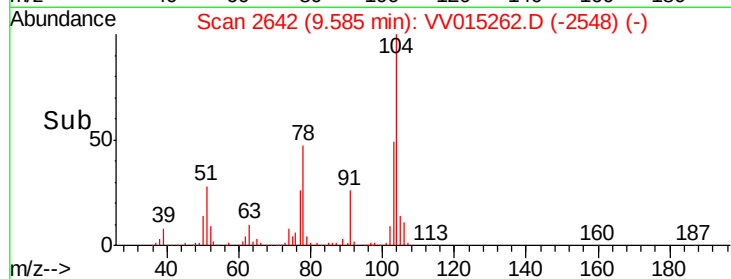
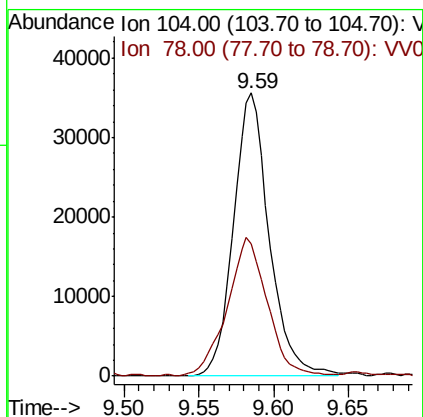
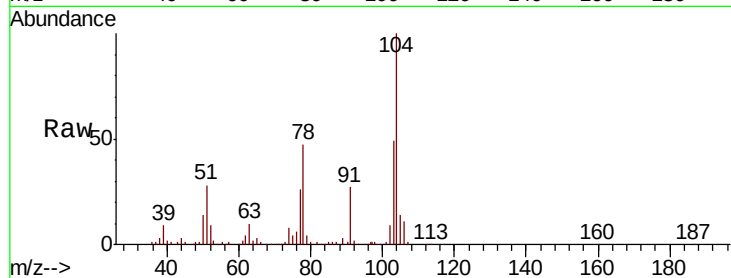




#55
Stvrene
Concen: 6.566 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

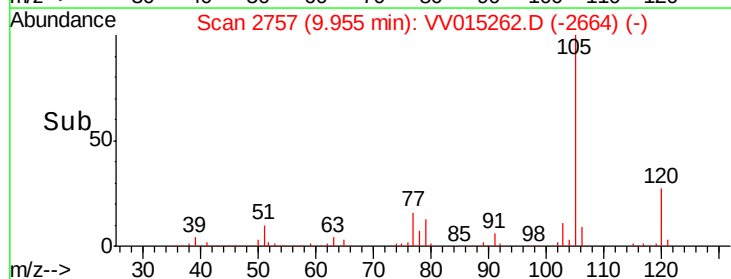
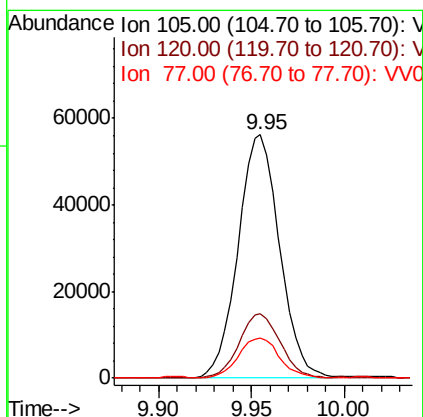
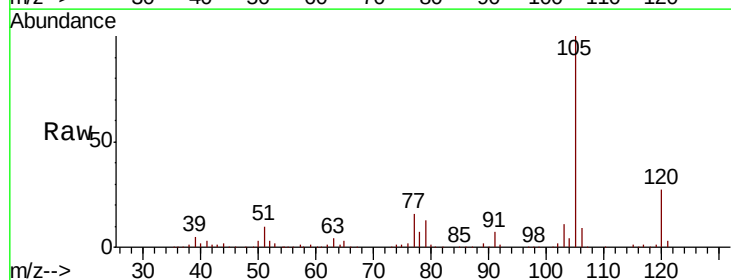
Instrument :
MSVOA_V
ClientSampleId :

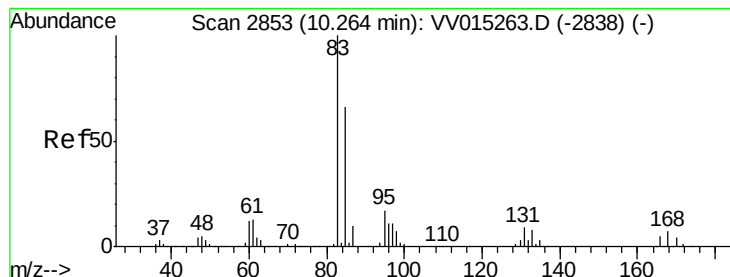
Tot Ion:104 Resp: 59310
Ion Ratio Lower Upper
104 100
78 46.8 33.7 62.7



#56
Isopropylbenzene
Concen: 6.392 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VV015262.D
Acq: 30 Mar 2020 09:21

Tgt Ion:105 Resp: 87723
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 16.4 13.0 19.6





#58

1,1,2,2-Tetrachloroethane

Concen: 7.186 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

ClientSampled :

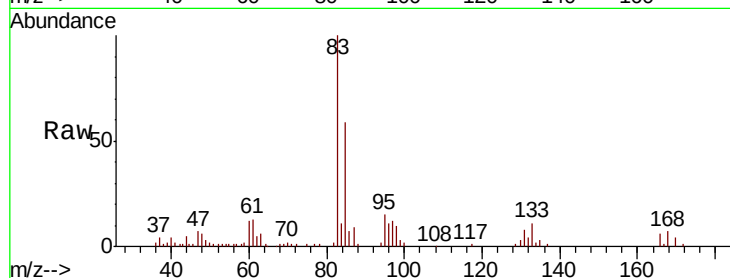
Tot Ion: 83 Resp: 33666

Ion Ratio Lower Upper

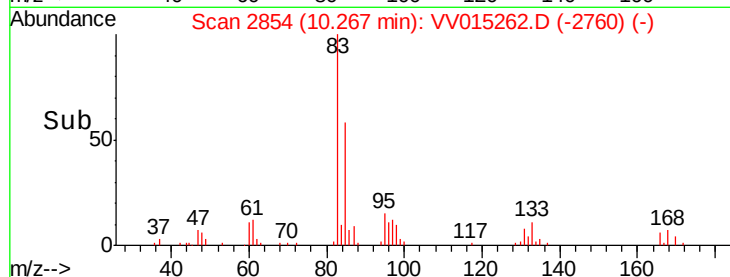
83 100

85 59.3 46.3 85.9

131 7.9 7.4 11.0



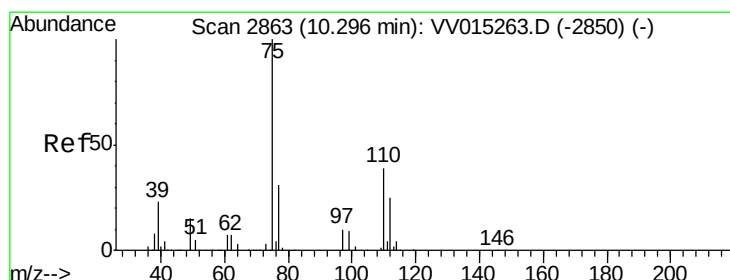
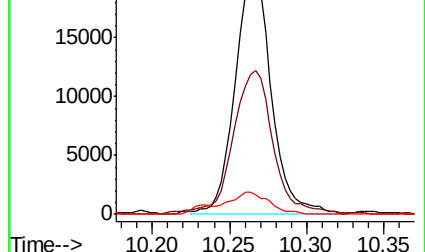
Abundance Ion 83.00 (82.70 to 83.70): VV015262.D (-2760) (-)



Ion 85.00 (84.70 to 85.70): VV015262.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV015262.D (-2760) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 7.510 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV015262.D

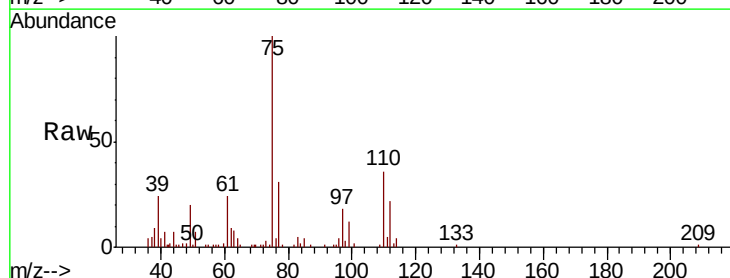
Acq: 30 Mar 2020 09:21

Tgt Ion: 75 Resp: 28753

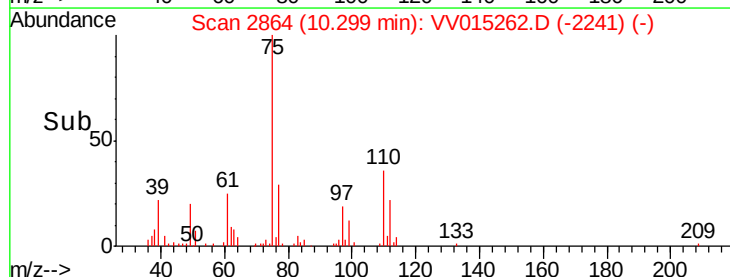
Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9

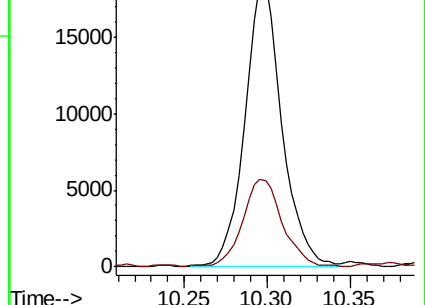


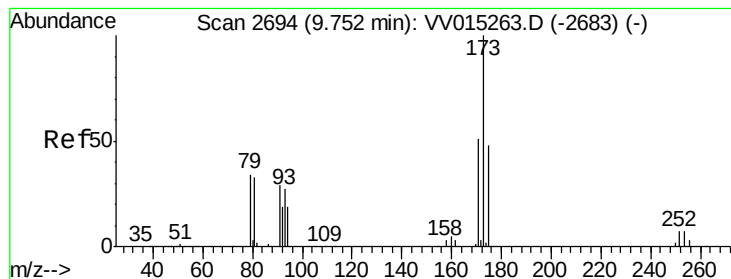
Abundance Ion 75.00 (74.70 to 75.70): VV015262.D (-2241) (-)



Ion 77.00 (76.70 to 77.70): VV015262.D (-2241) (-)

Time-->





#61

Bromoform

Concen: 6.607 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :
MSVOA_V
ClientSampled :

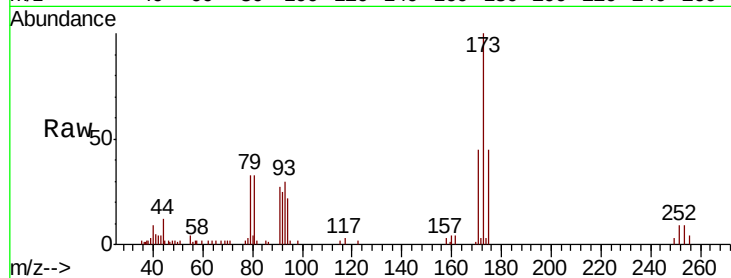
Tot Ion:173 Resp: 12255

Ion Ratio Lower Upper

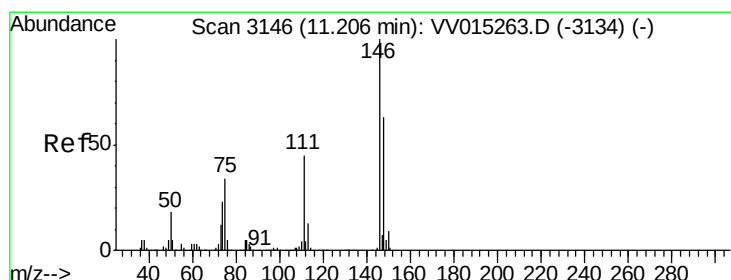
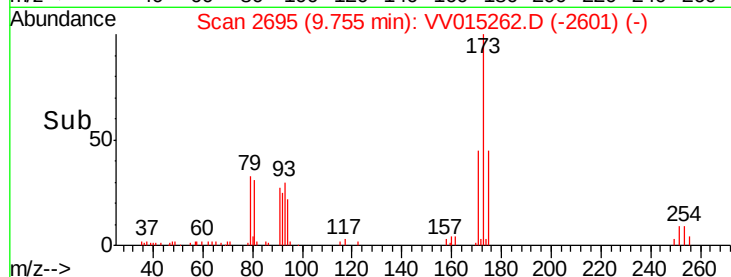
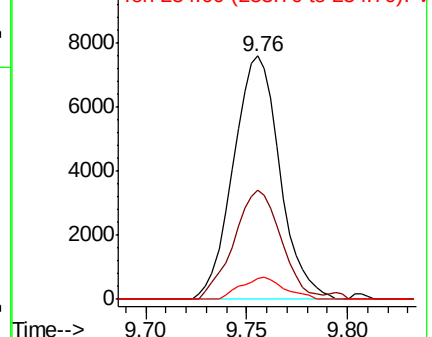
173 100

175 45.7 38.1 57.1

254 8.4 4.7 7.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 6.775 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

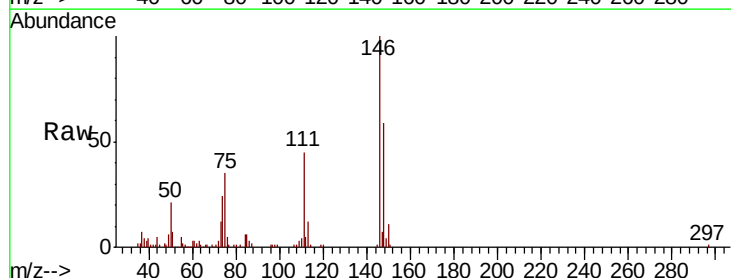
Tgt Ion:146 Resp: 37365

Ion Ratio Lower Upper

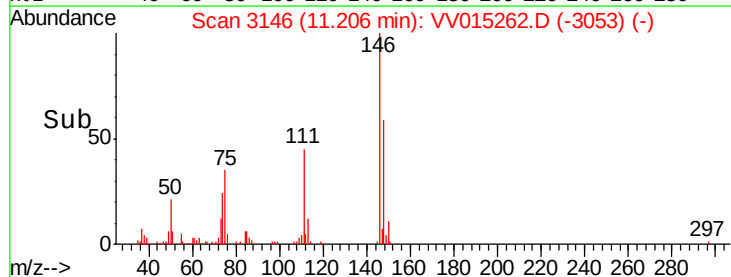
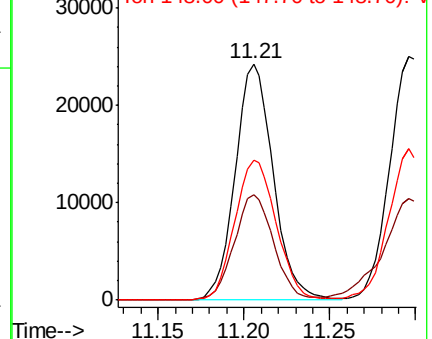
146 100

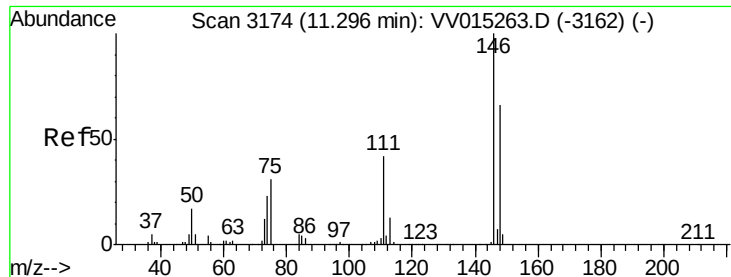
111 44.8 31.4 58.4

148 59.1 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 7.257 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015262.D

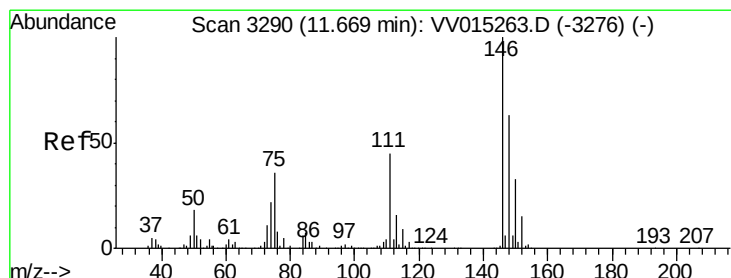
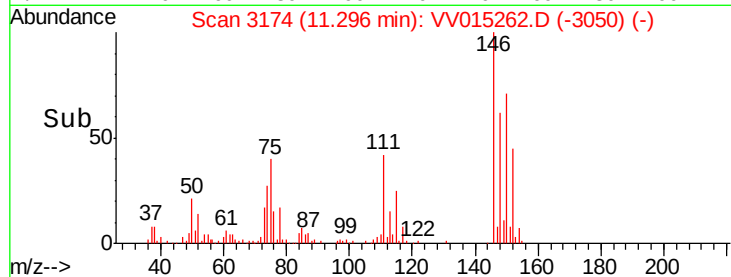
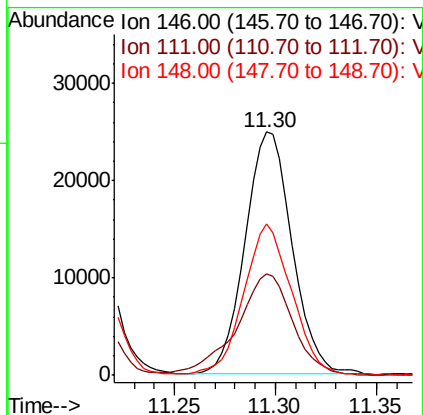
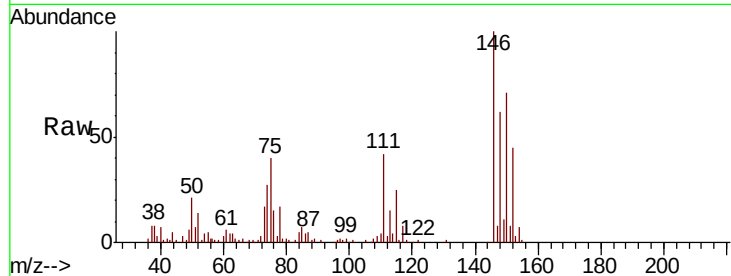
Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	40198
Ion	Ratio	Lower Upper
146	100	
111	41.7	30.0 55.6
148	62.0	46.2 85.8



#65

1,2-Dichlorobenzene

Concen: 6.966 ug/L

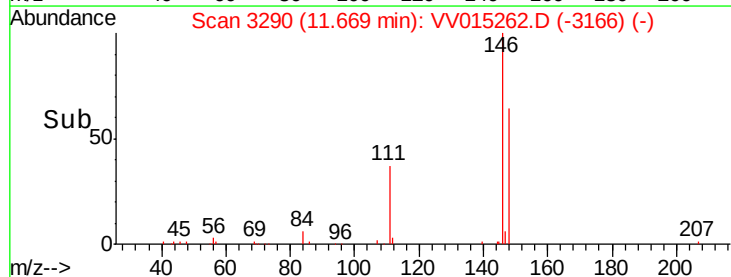
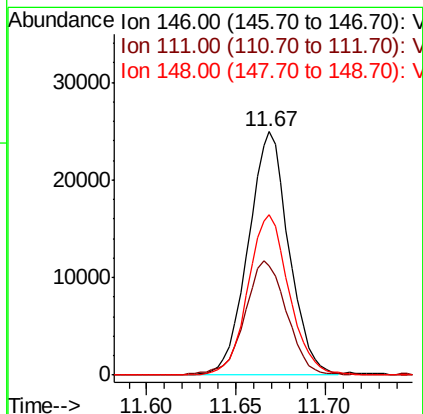
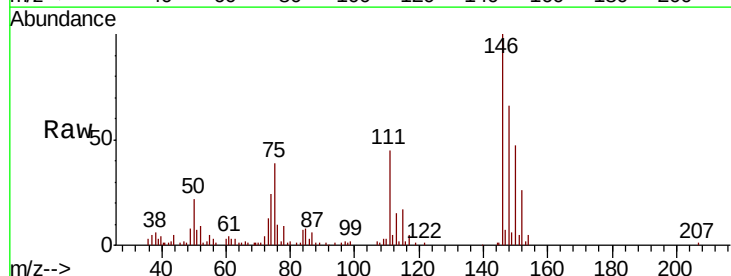
RT: 11.67 min Scan# 3290

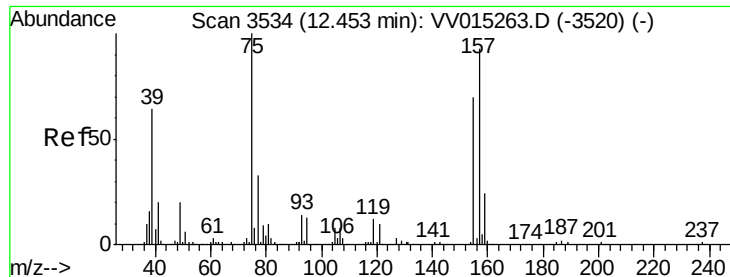
Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Tgt Ion:146	Resp:	39639
Ion	Ratio	Lower Upper
146	100	
111	45.0	35.8 53.8
148	65.7	50.1 75.1





#66

1,2-Dibromo-3-chloropropane

Concen: 7.929 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Instrument :

MSVOA_V

ClientSampleId :

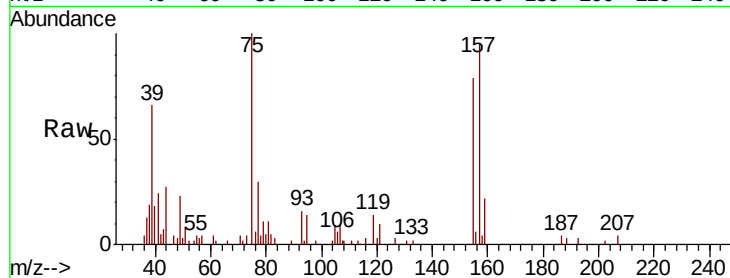
Tot Ion: 75 Resp: 9397

Ion Ratio Lower Upper

75 100

155 78.9 56.0 84.0

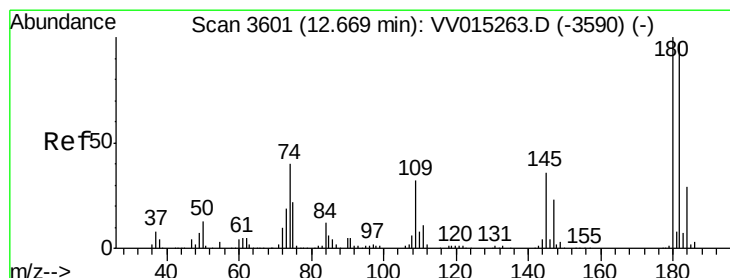
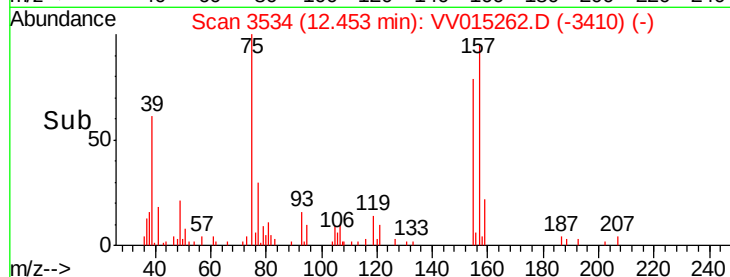
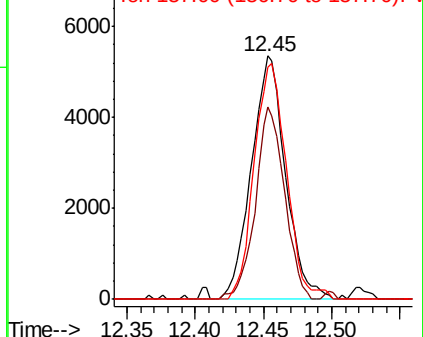
157 95.3 74.5 111.7



Abundance Ion 75.00 (74.70 to 75.70): VV015263.D (-3520) (-)

Ion 155.00 (154.70 to 155.70): VV015263.D (-3520) (-)

Ion 157.00 (156.70 to 157.70): VV015263.D (-3520) (-)



#67

1,3,5-Trichlorobenzene

Concen: 6.560 ug/L

RT: 12.67 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VV015262.D

Acq: 30 Mar 2020 09:21

Tgt Ion: 180 Resp: 22901

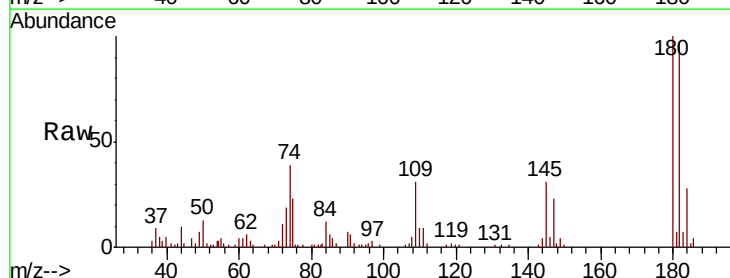
Ion Ratio Lower Upper

180 100

182 93.8 75.0 112.6

184 29.9 23.7 35.5

145 31.5 28.0 42.0

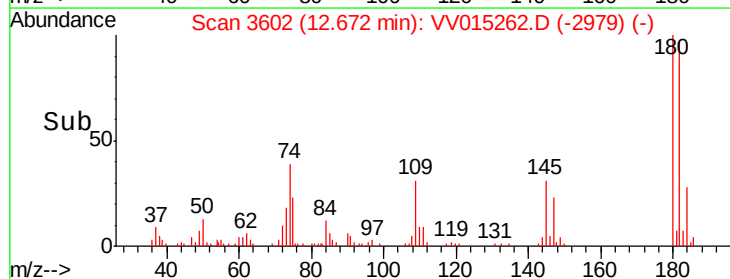
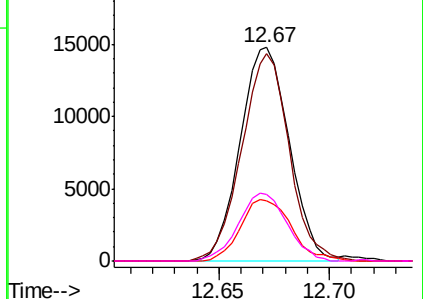


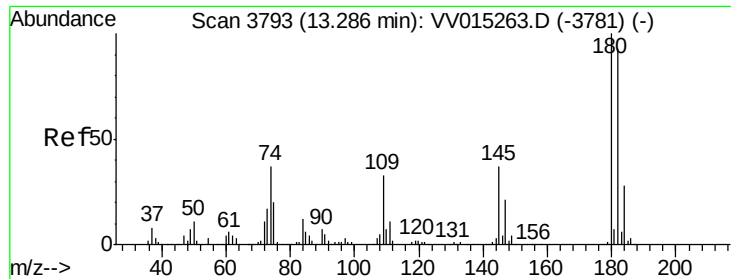
Abundance Ion 180.00 (179.70 to 180.70): VV015263.D (-3590) (-)

Ion 182.00 (181.70 to 182.70): VV015263.D (-3590) (-)

Ion 184.00 (183.70 to 184.70): VV015263.D (-3590) (-)

Ion 145.00 (144.70 to 145.70): VV015263.D (-3590) (-)

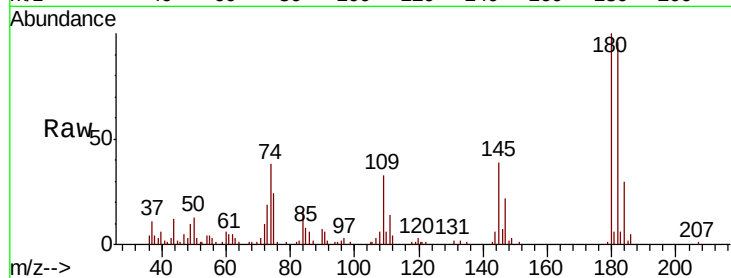




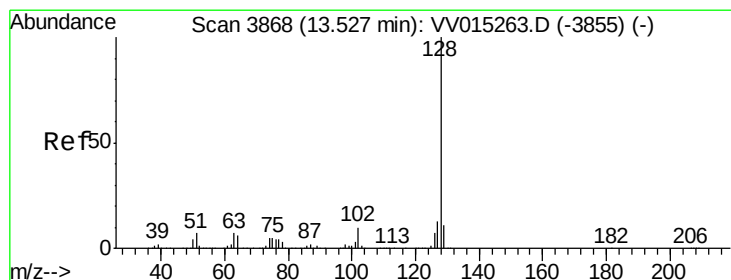
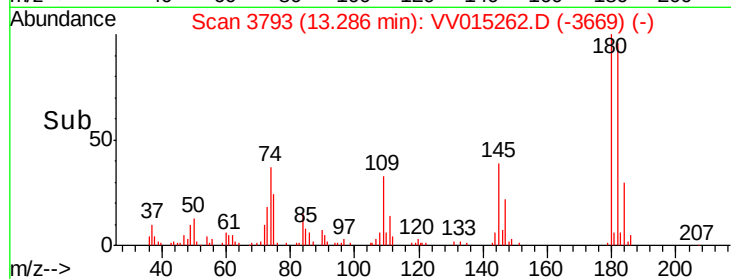
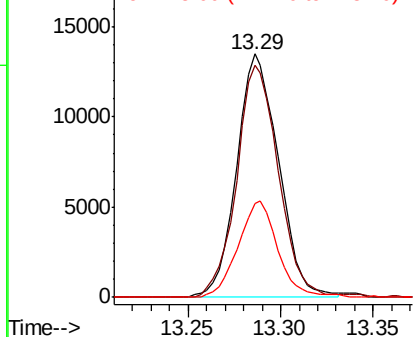
#68
 1,2,4-trichlorobenzene
 Concen: 6.518 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015262.D
 Acq: 30 Mar 2020 09:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.5	111.7
145	37.6	28.6	42.8

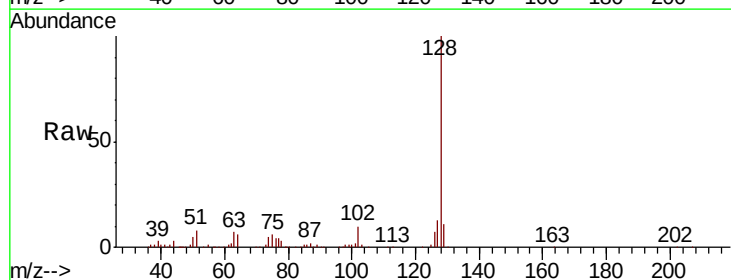


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

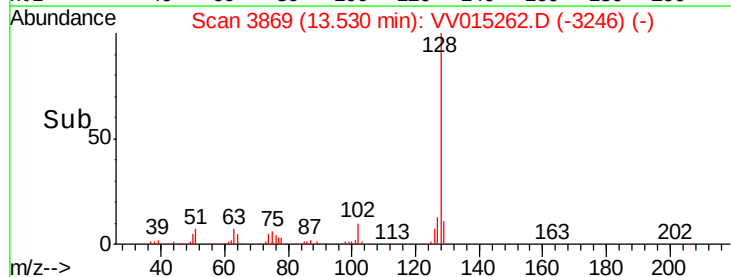
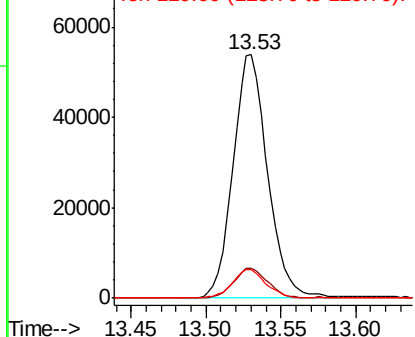


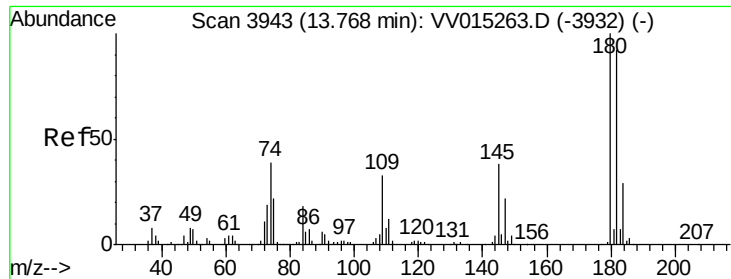
#69
 Naphthalene
 Concen: 6.595 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.00 min
 Lab File: VV015262.D
 Acq: 30 Mar 2020 09:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.4	15.6
129	11.3	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 6.624 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015262.D
 Acq: 30 Mar 2020 09:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	22093
Ion	Ratio	Lower	Upper
180	100		
182	95.8	73.9	110.9
145	40.9	30.2	45.2

