

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015135.D
 Acq On : 25 Mar 2020 11:21
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 13:20:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 13:17:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	406484	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	384690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	177274	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50266	15.01	ug/L	0.00
7) Chloroethane-d5	1.58	69	45324	13.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	93356	14.71	ug/L	0.00
21) 2-Butanone-d5	3.96	46	63136	24.53	ug/L	0.02
24) Chloroform-d	4.38	84	80934	13.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	54113	13.18	ug/L	0.00
32) Benzene-d6	5.08	84	163870	13.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	52871	13.34	ug/L	0.00
41) Toluene-d8	7.34	98	155591	14.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	27815	12.97	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	50106	24.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	76673	12.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	59986	14.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	37387	16.181	ug/L 99
3) Chloromethane	1.25	50	42136	10.916	ug/L 96
5) Vinyl chloride	1.32	62	40087	11.655	ug/L 96
6) Bromomethane	1.53	94	27096	10.957	ug/L 99
8) Chloroethane	1.60	64	32146	11.261	ug/L 92
9) Trichlorofluoromethane	1.77	101	59664	13.936	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	33936	16.053	ug/L 96
12) 1,1-Dichloroethene	2.13	96	29556	11.556	ug/L # 79
14) Carbon disulfide	2.31	76	87326	12.676	ug/L 99
16) Methylene chloride	2.53	84	31140	9.782	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	28709	11.495	ug/L 96
18) Methyl tert-butyl Ether	2.79	73	92595	9.157	ug/L 99
19) 1,1-Dichloroethane	3.22	63	51961	10.209	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	30227	9.973	ug/L # 93
23) Bromochloromethane	4.28	128	15987	9.673	ug/L 97
25) Chloroform	4.41	83	54847	10.393	ug/L 94
27) 1,2-Dichloroethane	5.16	62	41372	9.864	ug/L 95
29) Cyclohexane	4.70	56	46293	14.647	ug/L 97
30) 1,1,1-Trichloroethane	4.64	97	50040	12.232	ug/L 99
31) Carbon tetrachloride	4.86	117	42512	13.063	ug/L 98
33) Benzene	5.13	78	112260	10.236	ug/L 100
34) Trichloroethene	5.94	95	30168	11.723	ug/L 97
35) Methylcyclohexane	6.15	83	50053	15.678	ug/L 99
37) 1,2-Dichloropropane	6.20	63	30085	10.047	ug/L 98
38) Bromodichloromethane	6.54	83	41120	9.593	ug/L # 99
39) cis-1,3-Dichloropropene	7.05	75	46585	9.630	ug/L 97
40) 4-Methyl-2-pentanone	7.26	43	85563	17.057	ug/L 98
42) Toluene	7.41	91	126168	11.282	ug/L 96
44) trans-1,3-Dichloropropene	7.68	75	49594	10.222	ug/L 99
45) 1,1,2-Trichloroethane	7.86	97	30127	9.669	ug/L 99

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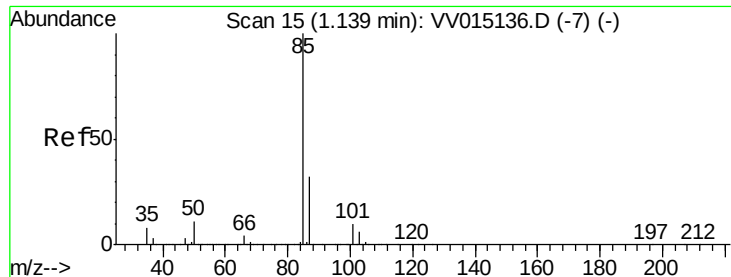
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 13:20:05 2020
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 13:17:35 2020
 Response via : Initial Calibration

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

46) Tetrachloroethene	8.00	164	20673	12.463	ug/L	98
48) 2-Hexanone	8.17	43	61255	16.622	ug/L	99
49) Dibromochloromethane	8.27	129	32258	9.224	ug/L	96
50) 1,2-Dibromoethane	8.38	107	31833	9.494	ug/L #	96
51) Chlorobenzene	8.90	112	83038	11.258	ug/L	98
52) Ethylbenzene	9.04	91	141368	12.300	ug/L	99
53) m,p-Xylene	9.16	106	54659	12.309	ug/L	93
54) o-xylene	9.57	106	55047	11.782	ug/L	96
55) Styrene	9.58	104	88603	10.784	ug/L	99
56) Isopropylbenzene	9.95	105	138190	12.761	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	49272	9.544	ug/L	94
59) 1,2,3-Trichloropropane	10.30	75	39184	9.395	ug/L	99
61) Bromoform	9.76	173	21665	8.520	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	58536	10.980	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	62278	11.492	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	61706	10.657	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	13688	9.245	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	38042	11.270	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	36138	10.593	ug/L	100
69) Naphthalene	13.53	128	141586	9.337	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	35818	10.042	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 16.181 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

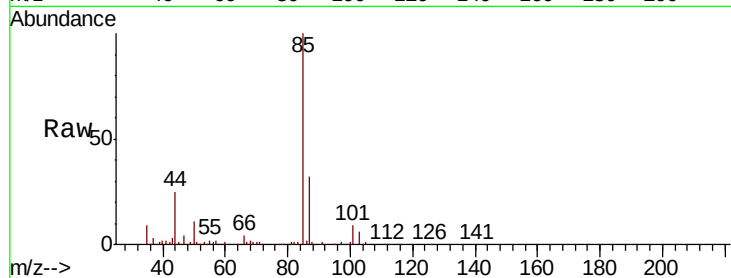
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 37387

Ion Ratio Lower Upper

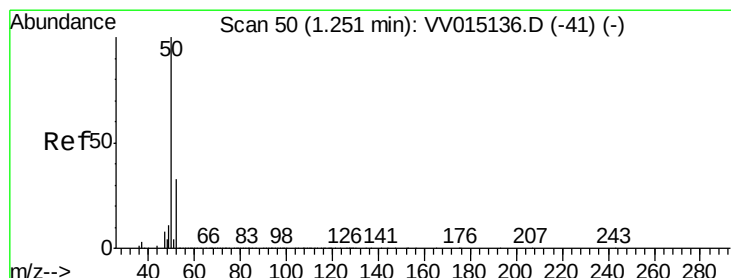
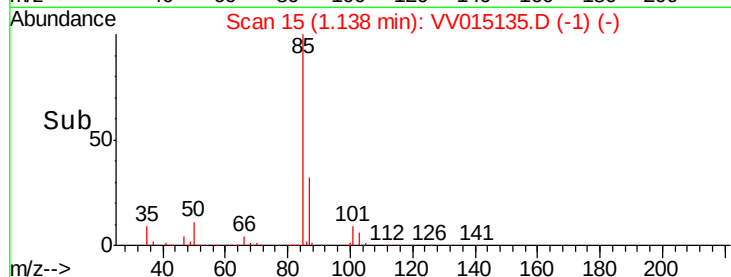
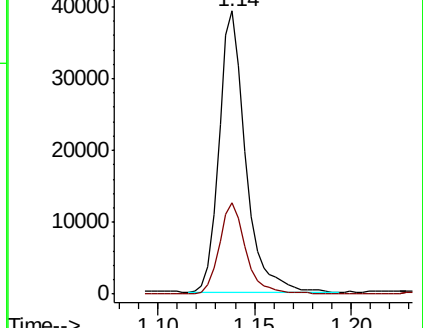
85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV015135.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV015135.D (-7) (-)



#3

Chloromethane

Concen: 10.916 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV015135.D

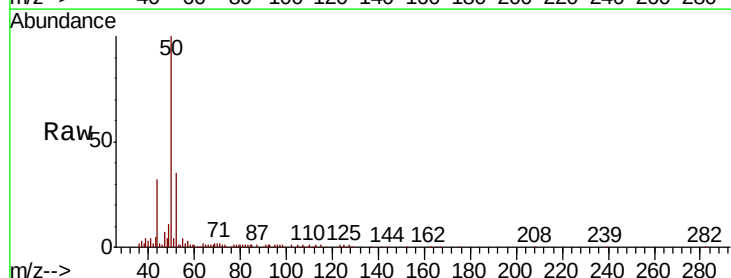
Acq: 25 Mar 2020 11:21

Tgt Ion: 50 Resp: 42136

Ion Ratio Lower Upper

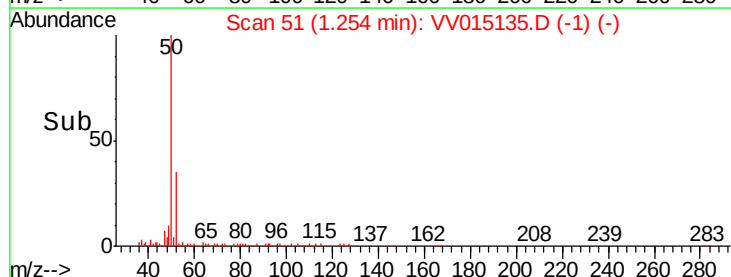
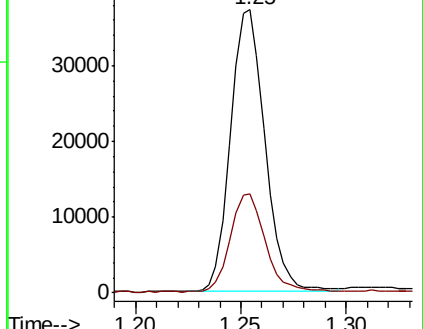
50 100

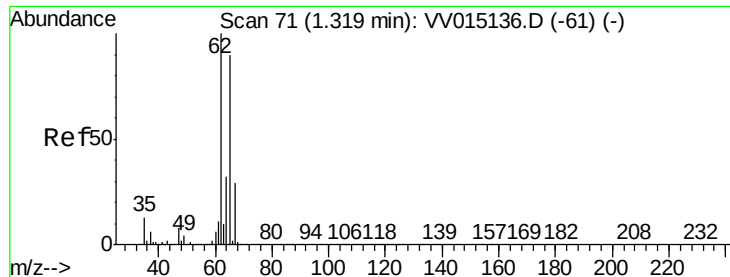
52 35.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV015135.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015135.D (-41) (-)





#5

Vinyl chloride

Concen: 11.655 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_V

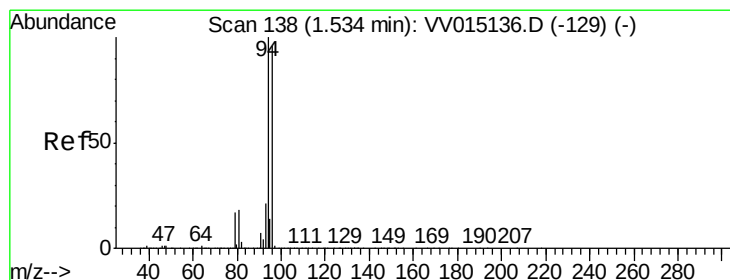
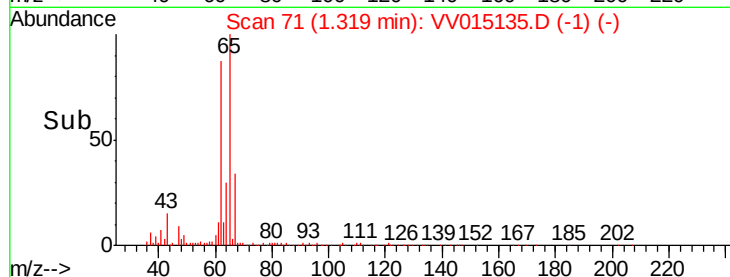
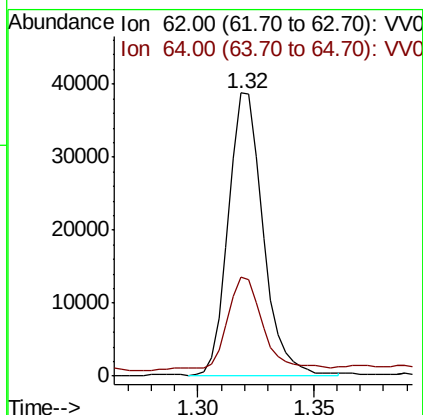
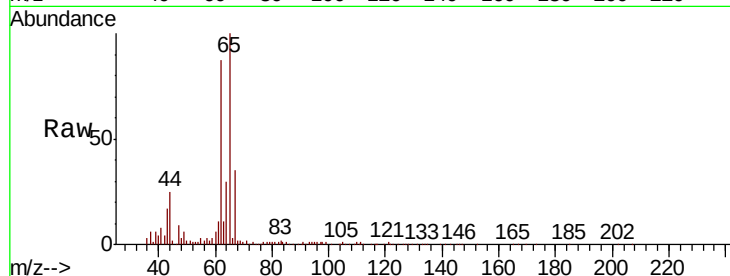
ClientSampleId :

Tot Ion: 62 Resp: 40087

Ion Ratio Lower Upper

62 100

64 34.9 22.8 42.4



#6

Bromomethane

Concen: 10.957 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV015135.D

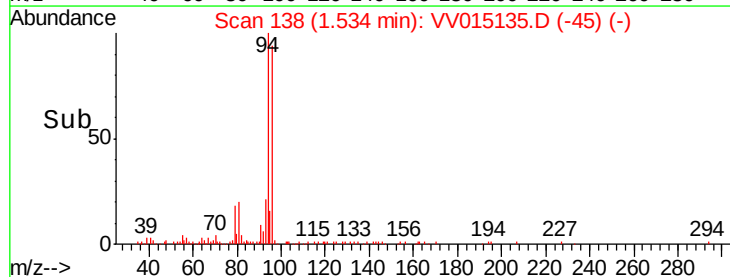
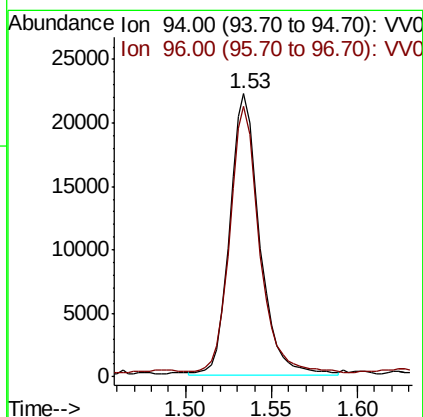
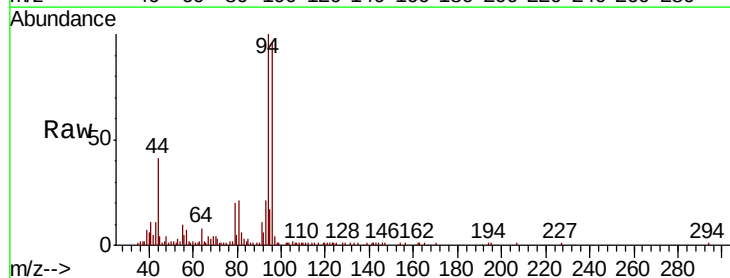
Acq: 25 Mar 2020 11:21

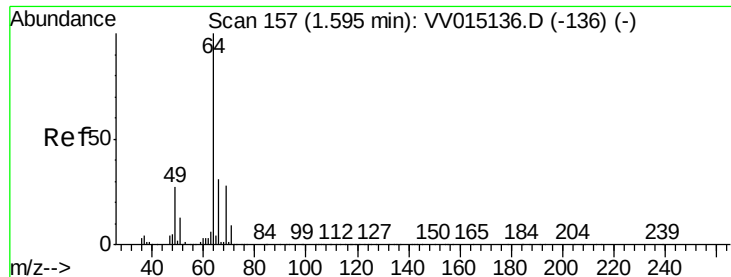
Tgt Ion: 94 Resp: 27096

Ion Ratio Lower Upper

94 100

96 95.6 67.7 125.7

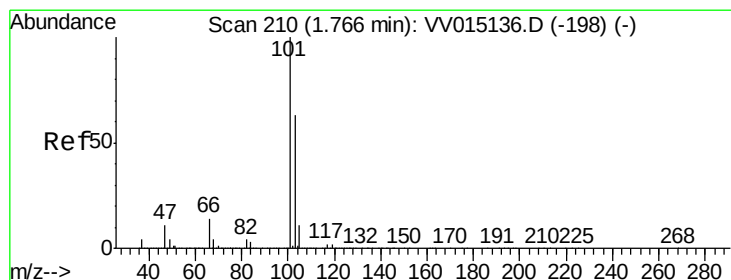
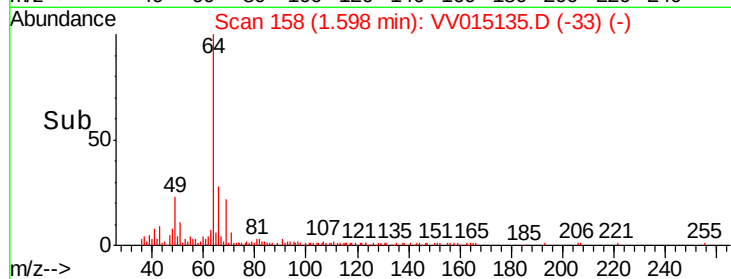
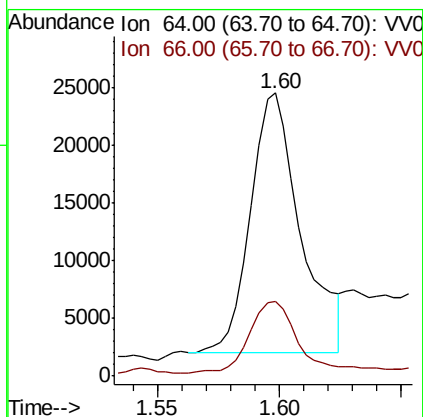
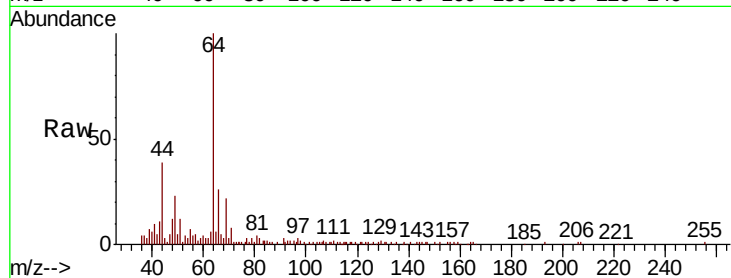




#8
Chloroethane
Concen: 11.261 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

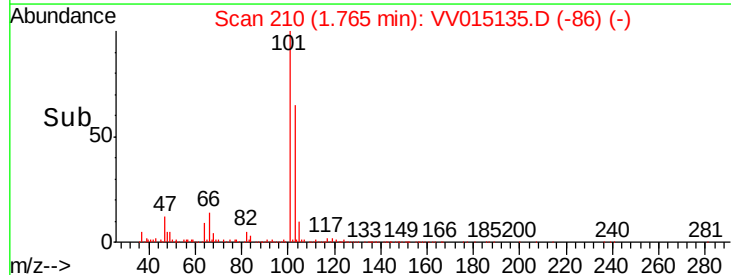
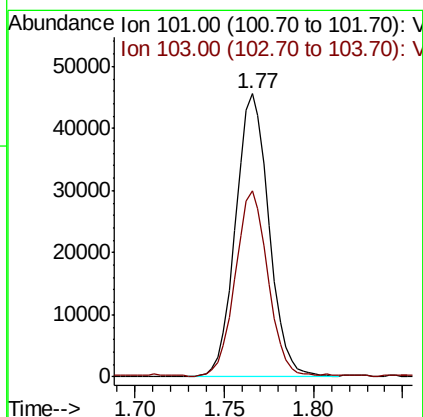
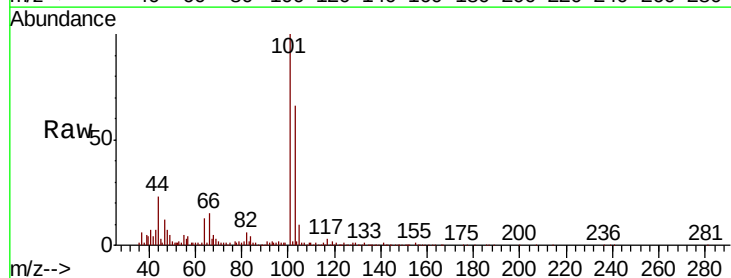
Instrument :
MSVOA_V
ClientSampled :

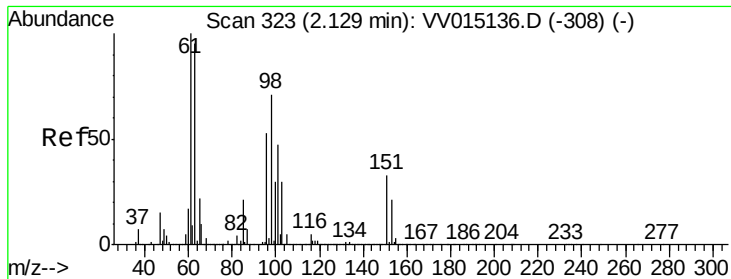
Tot Ion: 64 Resp: 32146
Ion Ratio Lower Upper
64 100
66 26.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 13.936 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 101 Resp: 59664
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.0





#10

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

Concen: 16.053 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_V

ClientSampled :

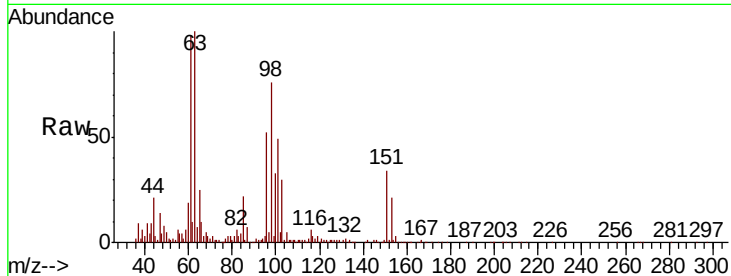
Tot Ion:101 Resp: 33936

Ion Ratio Lower Upper

101 100

85 42.3 36.0 54.0

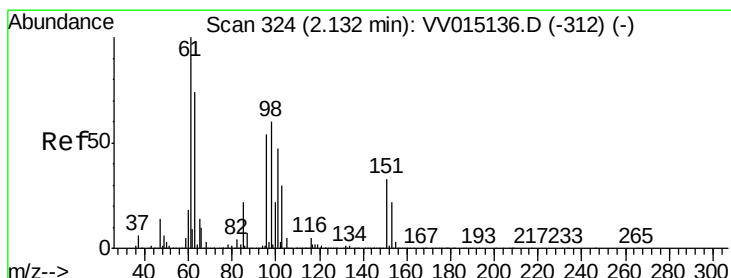
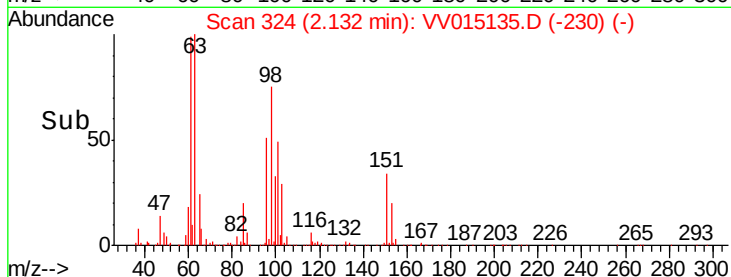
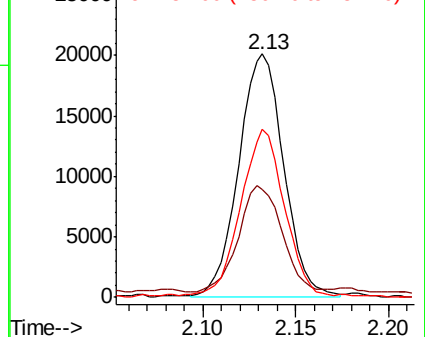
151 67.4 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 11.556 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

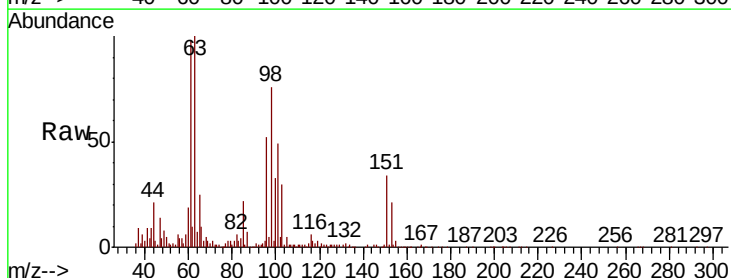
Tgt Ion: 96 Resp: 29556

Ion Ratio Lower Upper

96 100

61 189.3 128.6 238.8

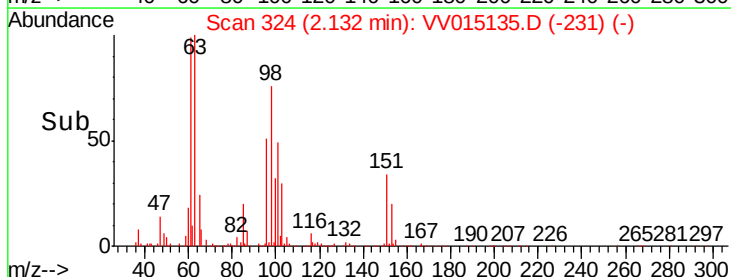
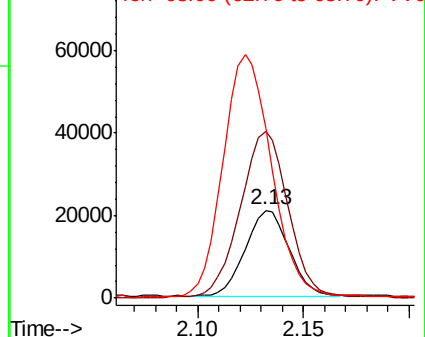
63 192.3 97.5 181.1#

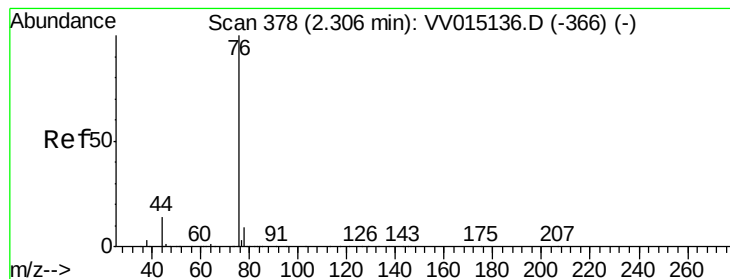


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 12.676 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_V

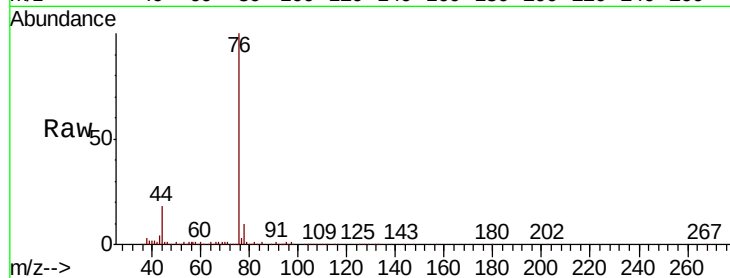
ClientSampleId :

Tot Ion: 76 Resp: 87326

Ion Ratio Lower Upper

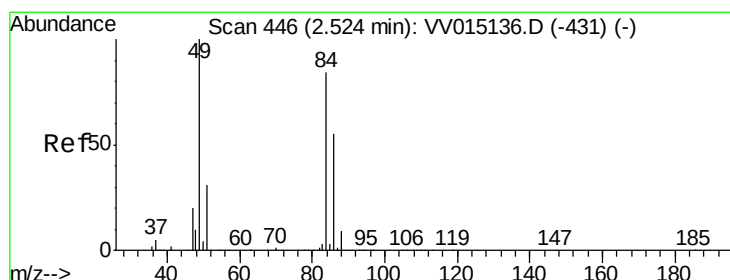
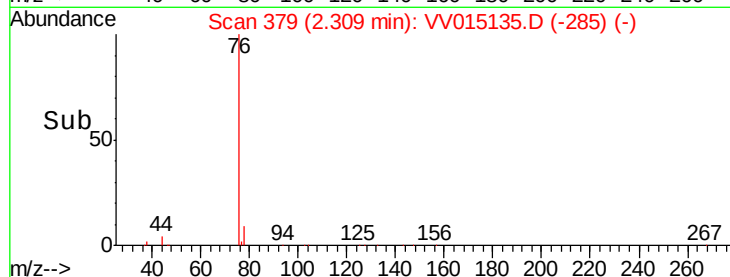
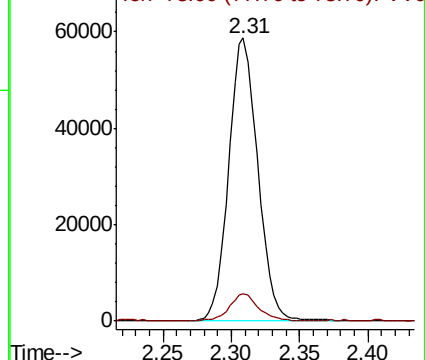
76 100

78 9.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 9.782 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

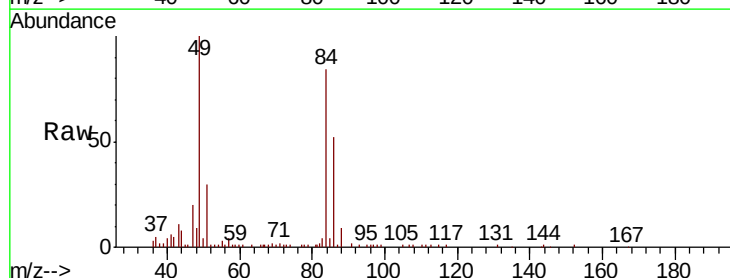
Tgt Ion: 84 Resp: 31140

Ion Ratio Lower Upper

84 100

86 62.0 45.8 85.2

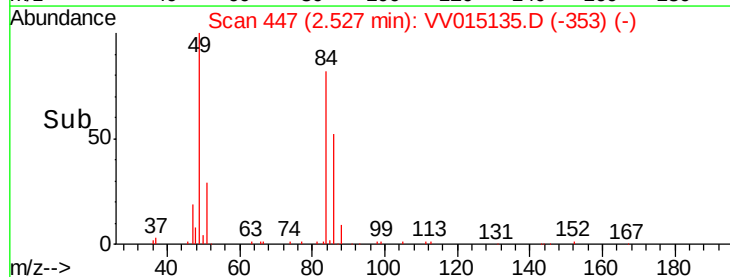
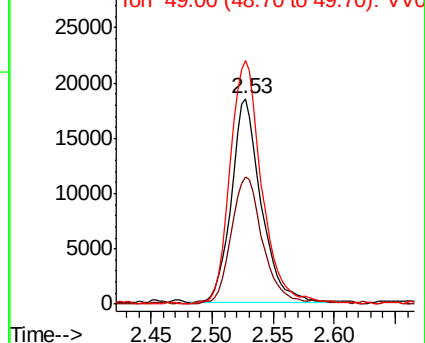
49 118.5 83.3 154.7

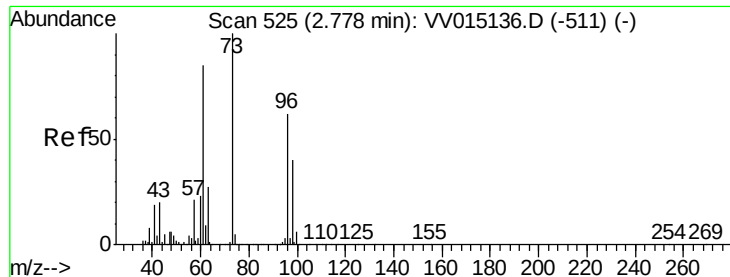


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 11.495 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_V
ClientSampled :

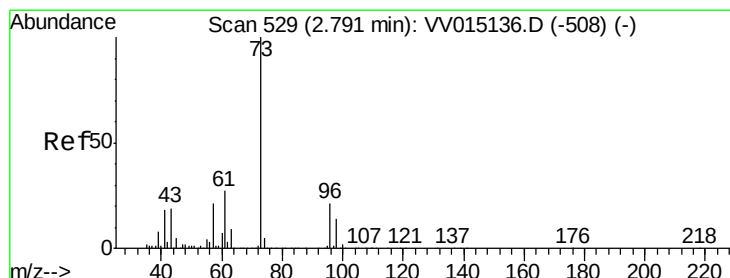
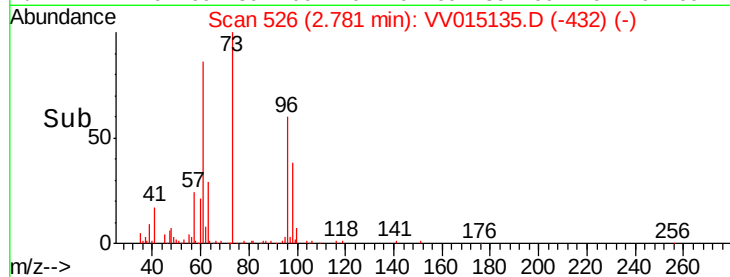
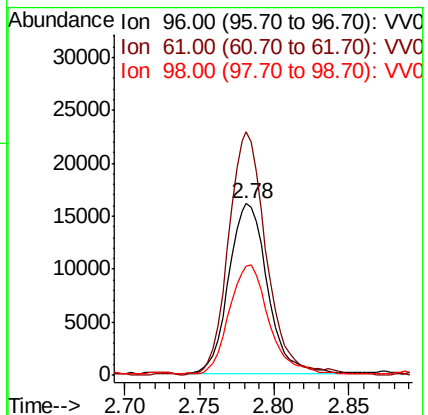
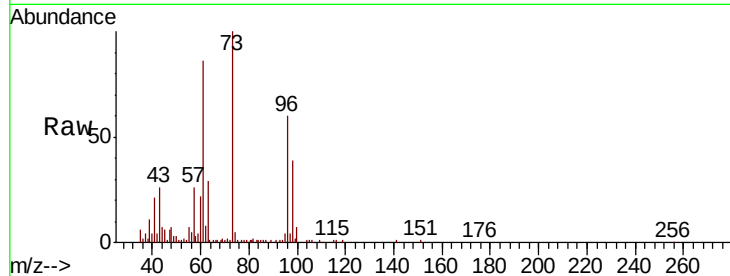
Tot Ion: 96 Resp: 28709

Ion Ratio Lower Upper

96 100

61 141.9 94.8 176.0

98 64.0 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 9.157 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

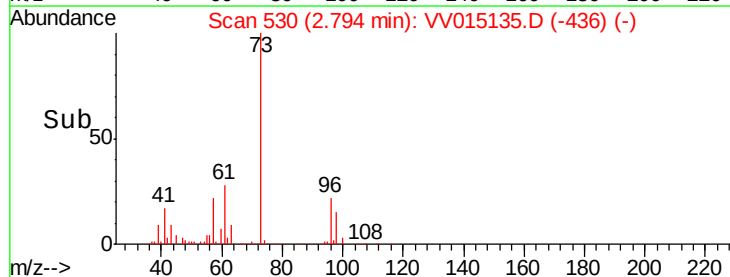
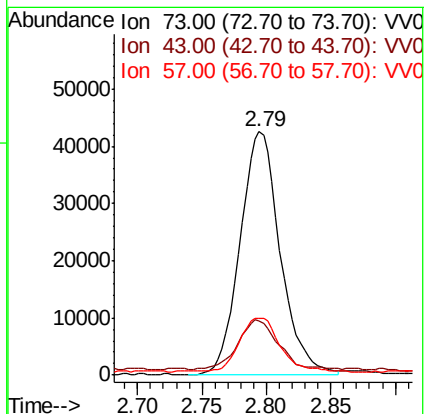
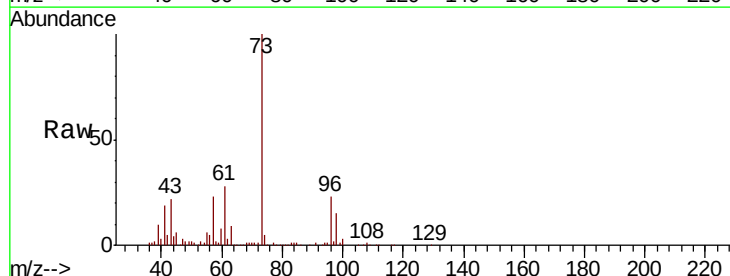
Tgt Ion: 73 Resp: 92595

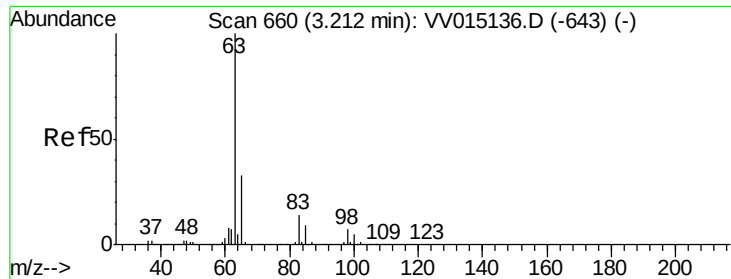
Ion Ratio Lower Upper

73 100

43 19.6 15.4 23.0

57 21.2 17.0 25.6

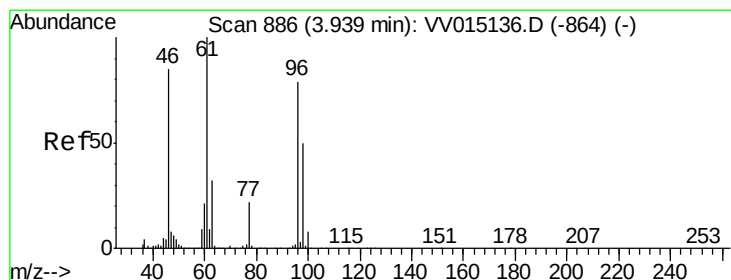
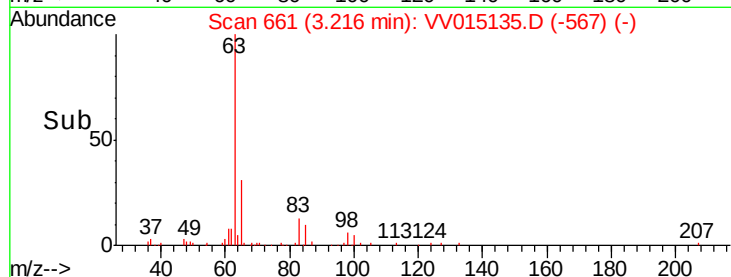
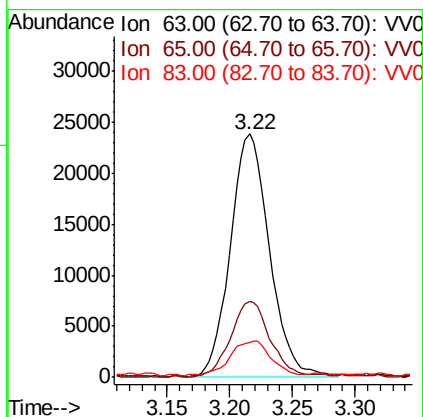
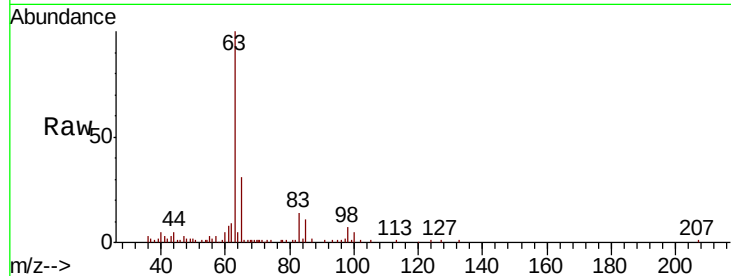




#19
 1,1-Dichloroethane
 Concen: 10.209 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

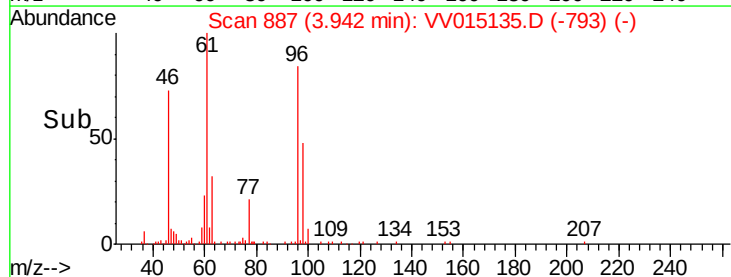
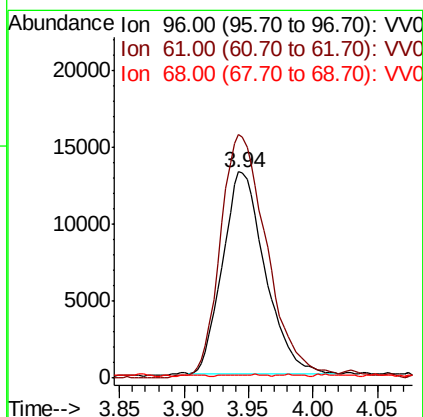
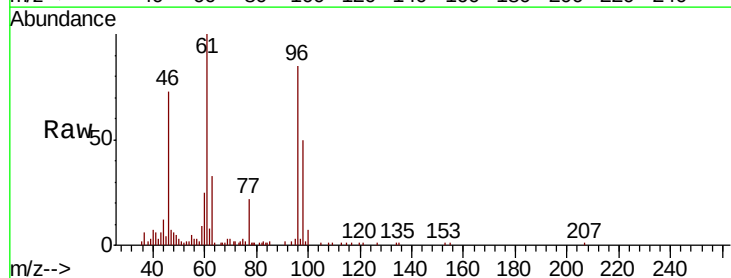
Instrument :
 MSVOA_V
 ClientSampleId :

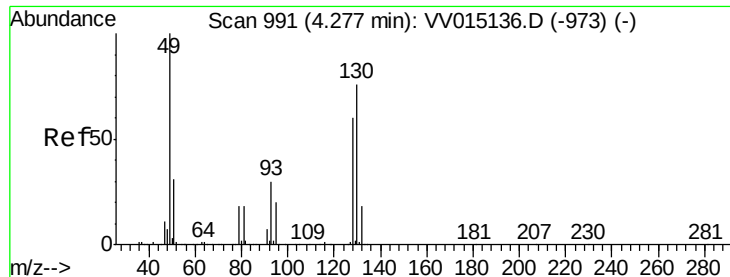
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.8	42.4
83	14.3	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 9.973 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.9	88.3	163.9
68	1.3	0.1	0.3

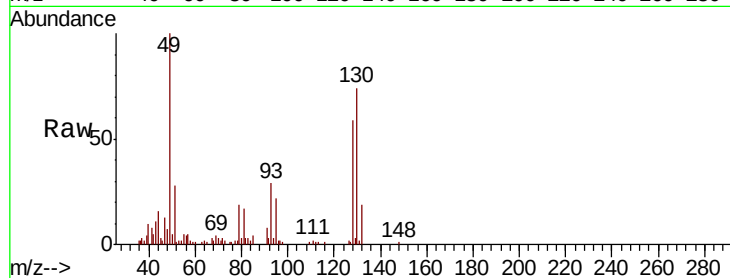




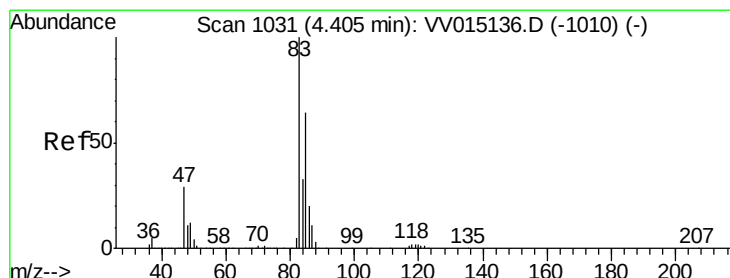
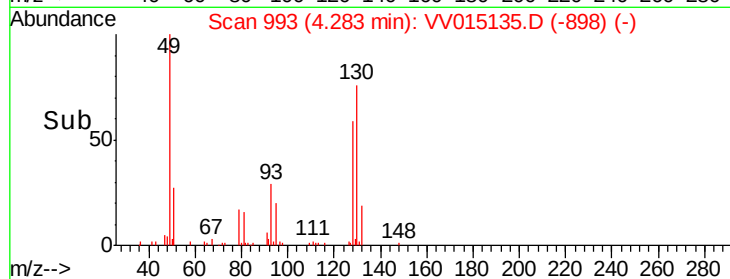
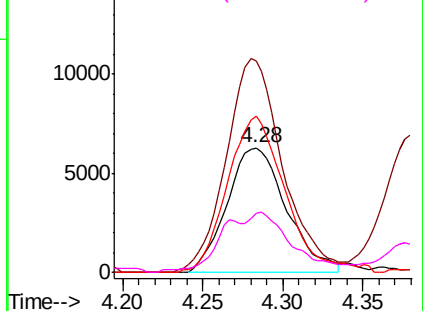
#23
Bromochloromethane
Concen: 9.673 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	128	Resp:	15987
Ion	Ratio	Lower	Upper
128	100		
49	169.6	117.1	217.5
130	125.6	89.5	166.1
51	47.6	42.2	63.4

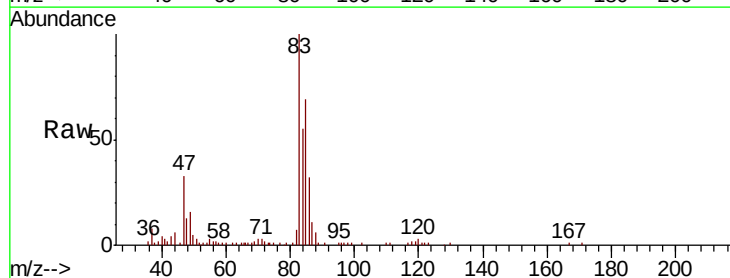


Abundance Ion 128.00 (127.70 to 128.70): VV015135.D (-998) (-)
Ion 49.00 (48.70 to 49.70): VV015135.D (-998) (-)
Ion 130.00 (129.70 to 130.70): VV015135.D (-998) (-)
Ion 51.00 (50.70 to 51.70): VV015135.D (-998) (-)

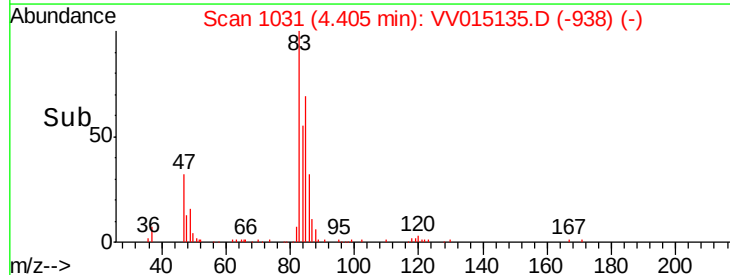
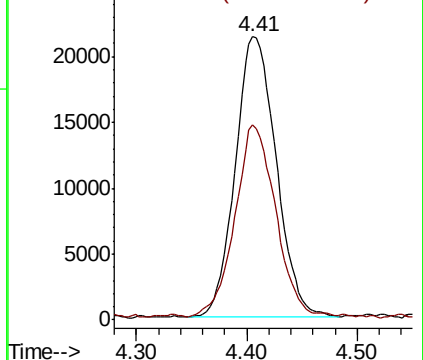


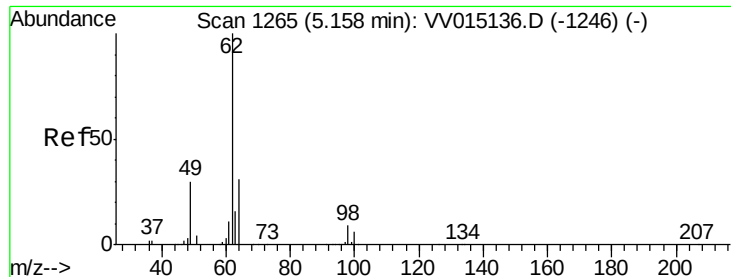
#25
Chloroform
Concen: 10.393 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Tgt Ion:	83	Resp:	54847
Ion	Ratio	Lower	Upper
83	100		
85	69.0	44.8	83.2



Abundance Ion 83.00 (82.70 to 83.70): VV015135.D (-938) (-)
Ion 85.00 (84.70 to 85.70): VV015135.D (-938) (-)

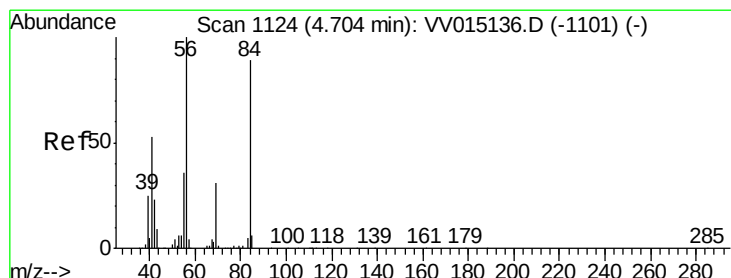
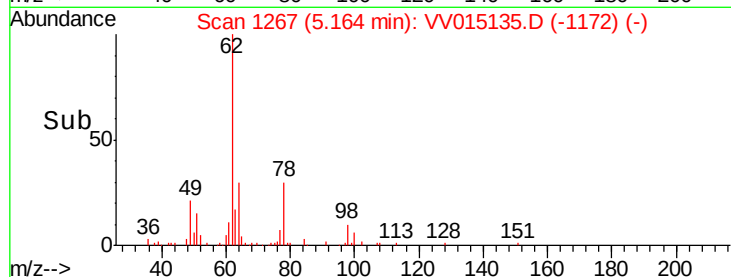
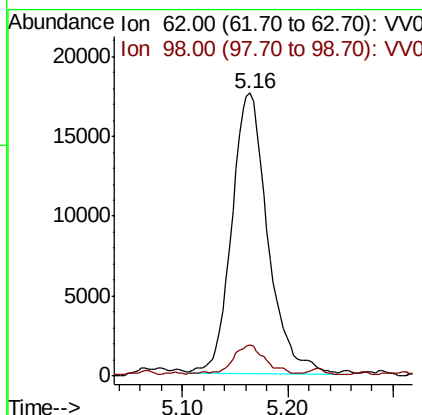
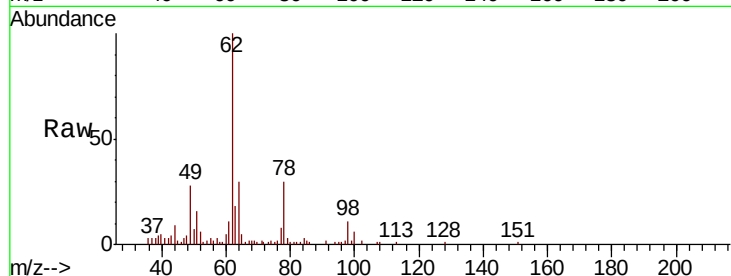




#27
 1,2-Dichloroethane
 Concen: 9.864 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

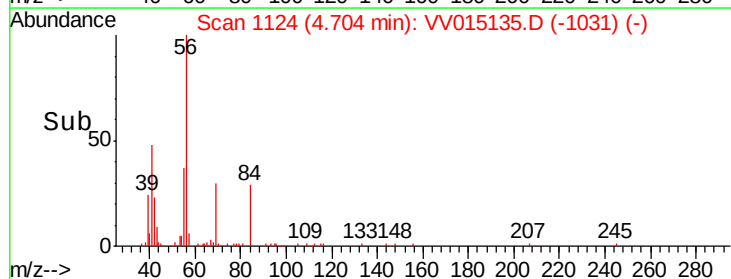
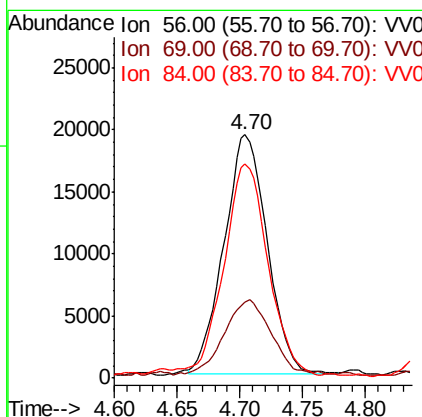
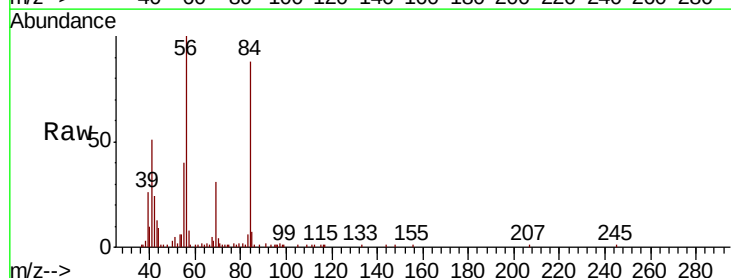
Instrument :
 MSVOA_V
 ClientSampleId :

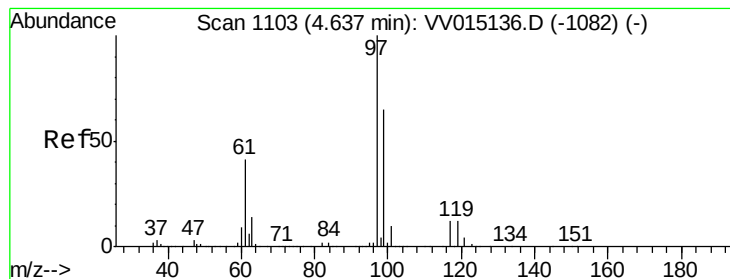
Tot Ion: 62 Resp: 41372
 Ion Ratio Lower Upper
 62 100
 98 11.1 7.5 11.3



#29
 Cyclohexane
 Concen: 14.647 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

Tgt Ion: 56 Resp: 46293
 Ion Ratio Lower Upper
 56 100
 69 33.8 25.4 38.2
 84 89.8 74.0 111.0





#30

1,1,1-Trichloroethane

Concen: 12.232 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_V
ClientSampled :

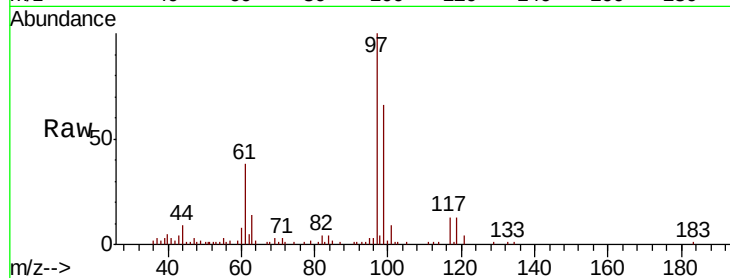
Tot Ion: 97 Resp: 50040

Ion Ratio Lower Upper

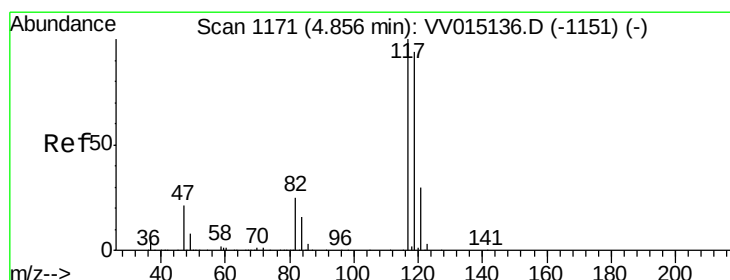
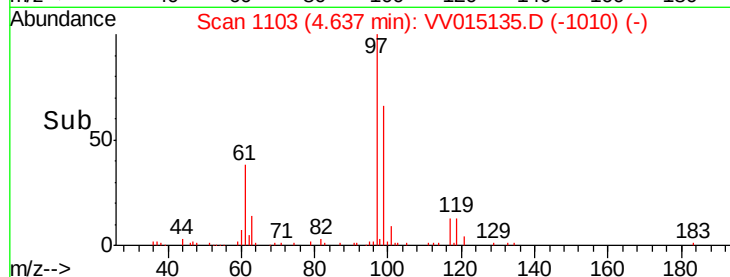
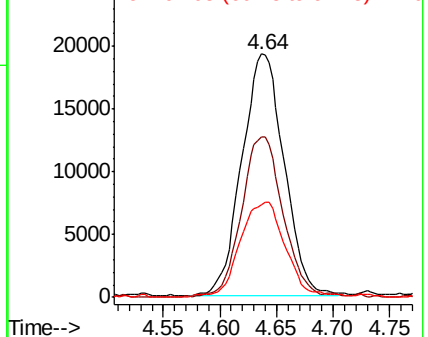
97 100

99 65.0 52.5 78.7

61 42.3 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0



#31

Carbon tetrachloride

Concen: 13.063 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV015135.D

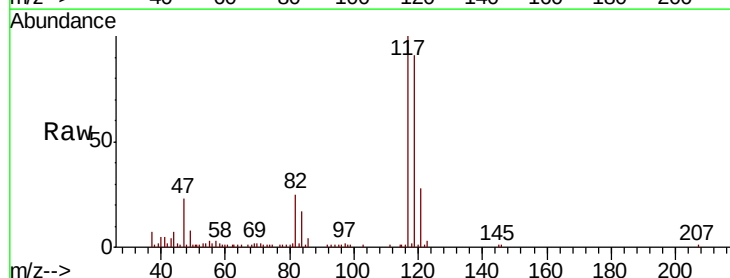
Acq: 25 Mar 2020 11:21

Tgt Ion: 117 Resp: 42512

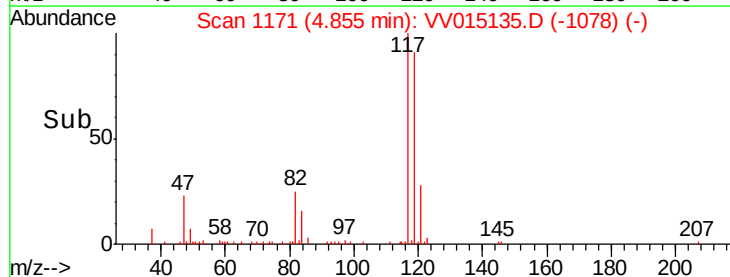
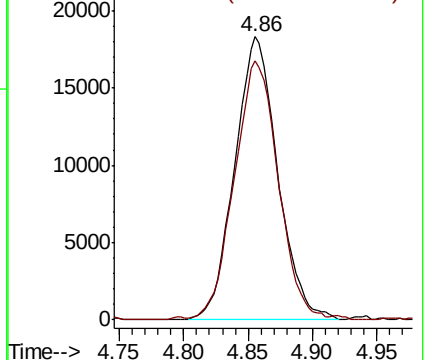
Ion Ratio Lower Upper

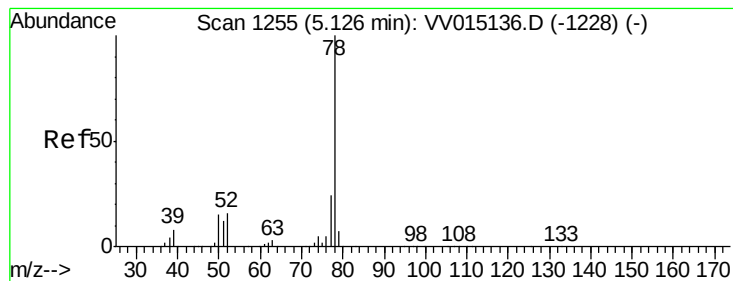
117 100

119 93.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 10.236 ug/L

RT: 5.13 min Scan# 1256

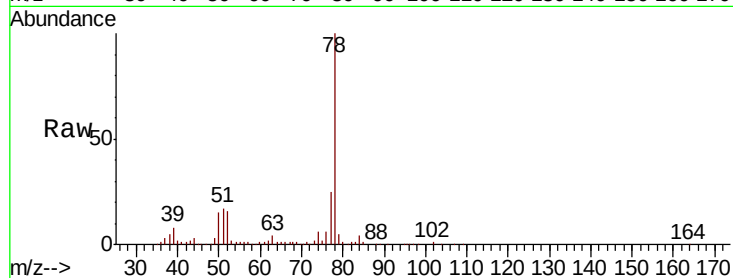
Delta R.T. 0.00 min

Lab File: VV015135.D

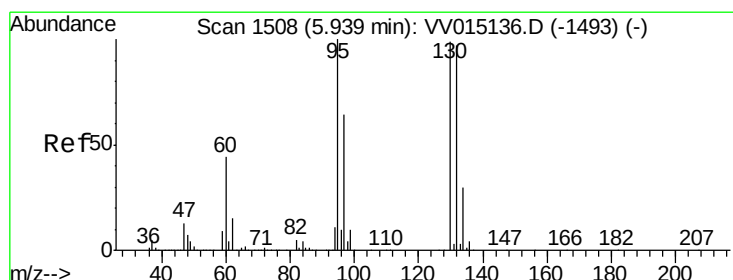
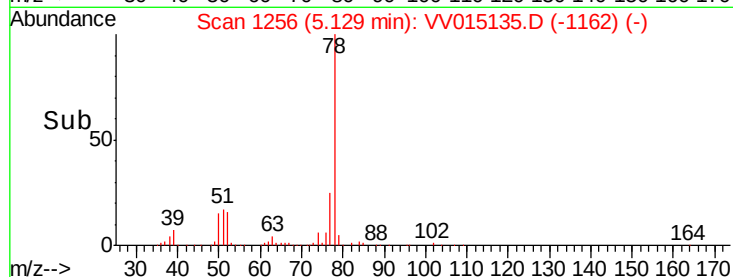
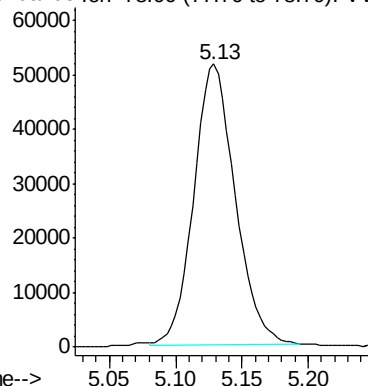
Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 112260



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 11.723 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Tgt Ion: 95 Resp: 30168

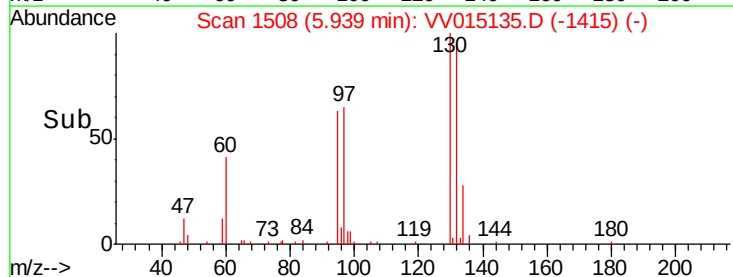
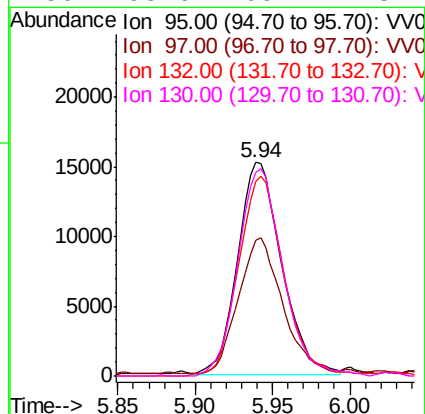
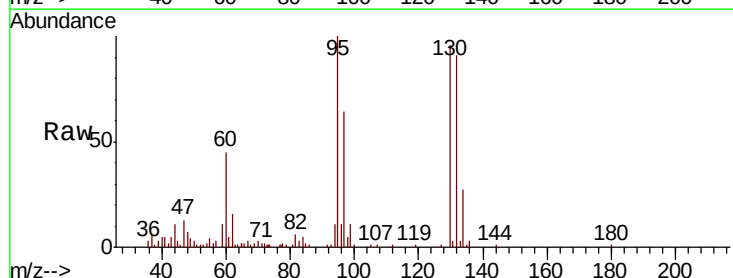
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.4	82.4
132	90.9	67.6	125.6
130	95.6	69.2	128.4

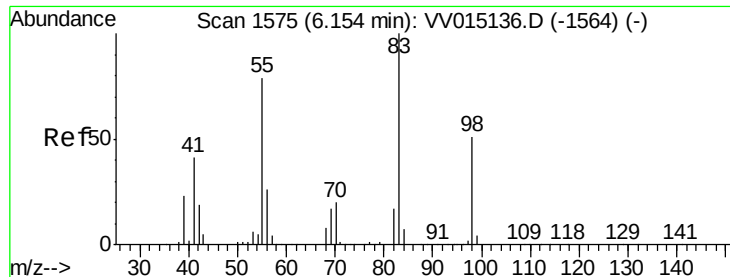
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

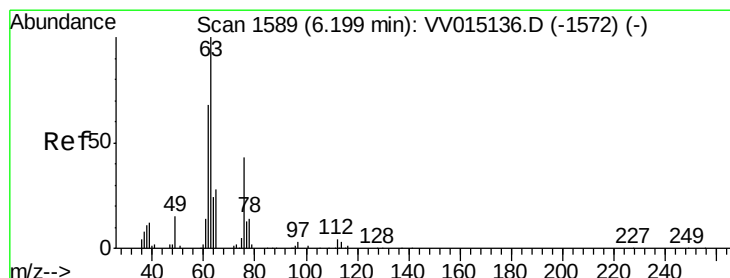
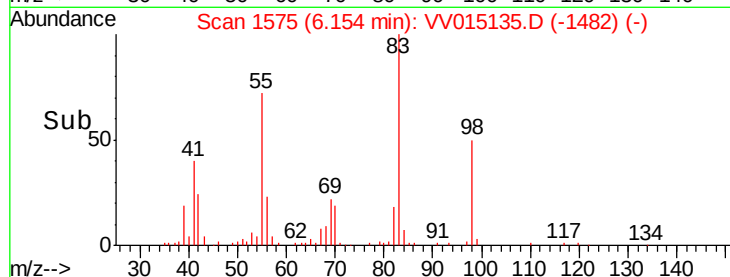
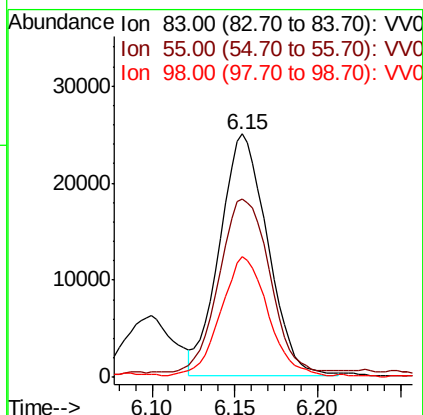
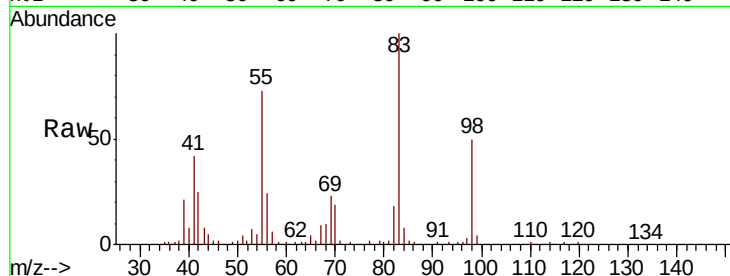




#35
Methvlcvclohexane
Concen: 15.678 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

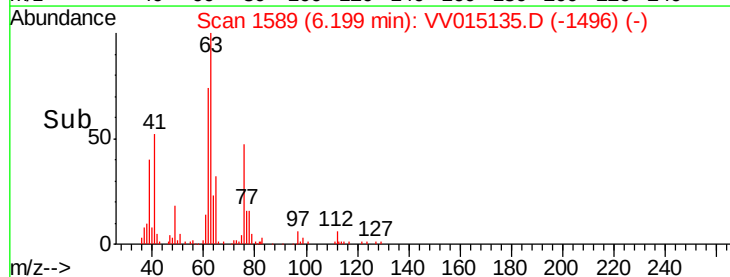
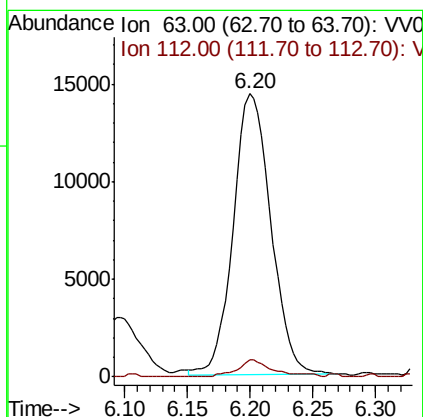
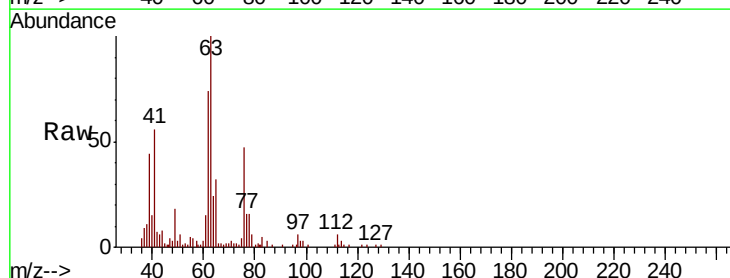
Instrument :
MSVOA_V
ClientSampled :

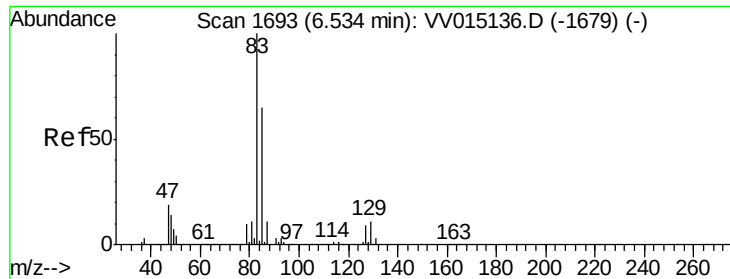
Tot Ion: 83 Resp: 50053
Ion Ratio Lower Upper
83 100
55 74.3 59.5 89.3
98 47.9 39.1 58.7



#37
1,2-Dichloropropane
Concen: 10.047 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 63 Resp: 30085
Ion Ratio Lower Upper
63 100
112 5.2 3.8 5.6

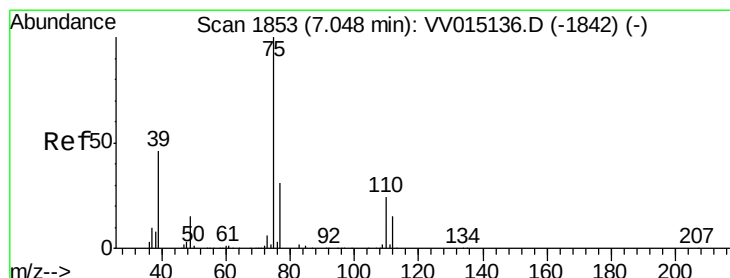
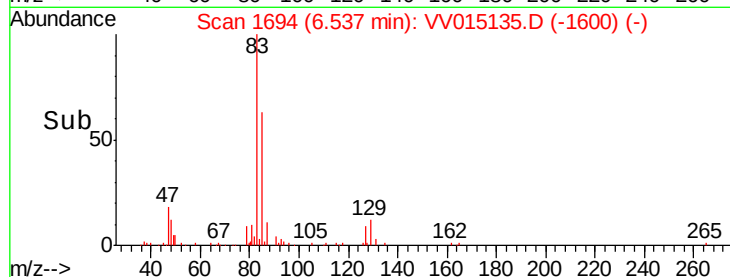
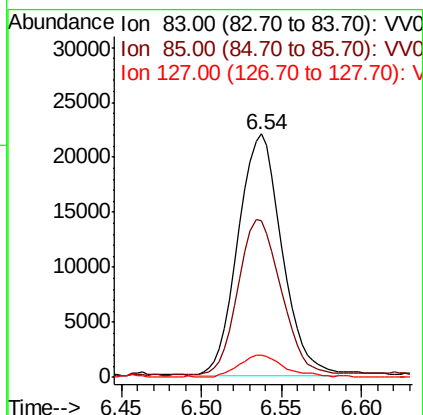
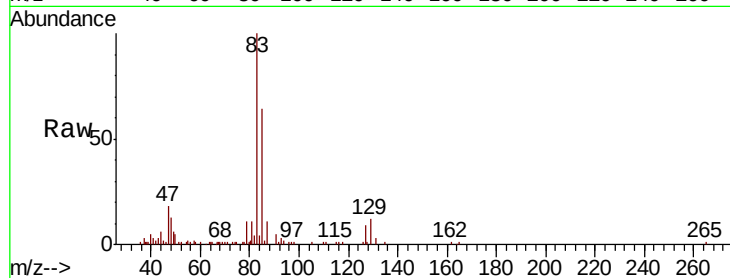




#38
Bromodichloromethane
Concen: 9.593 ug/L
RT: 6.54 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

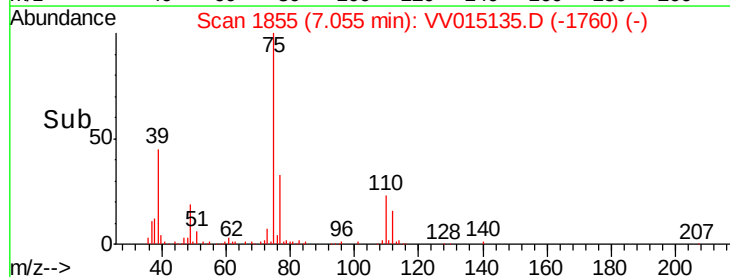
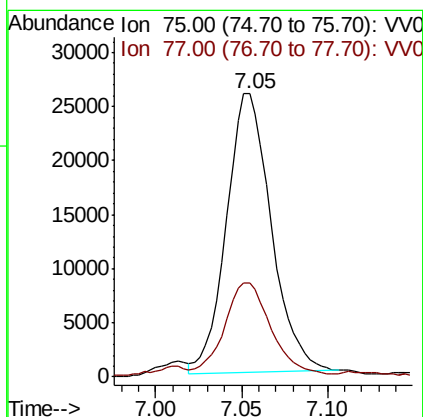
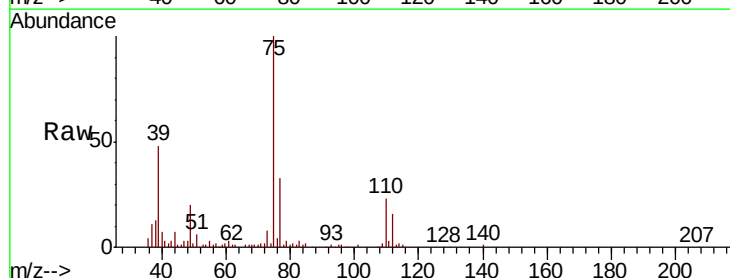
Instrument :
MSVOA_V
ClientSampleId :

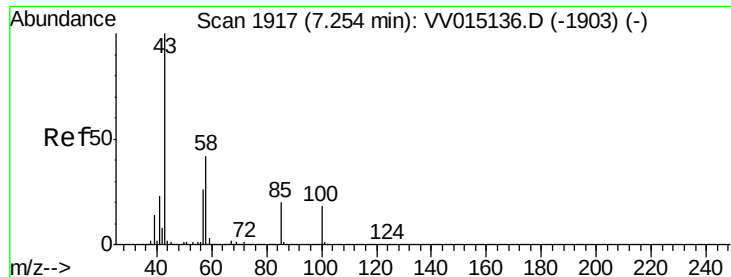
Tot Ion: 83 Resp: 41120
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4
127 10.5 6.9 10.3#



#39
cis-1,3-Dichloropropene
Concen: 9.630 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 75 Resp: 46585
Ion Ratio Lower Upper
75 100
77 33.3 22.1 41.1

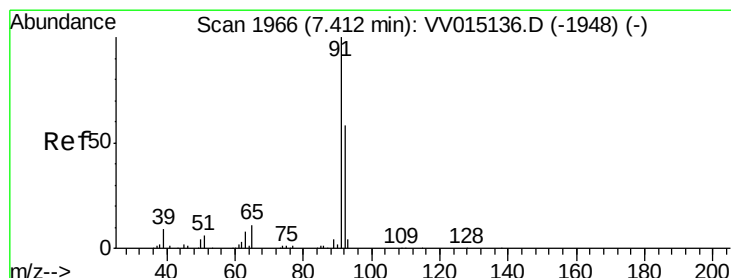
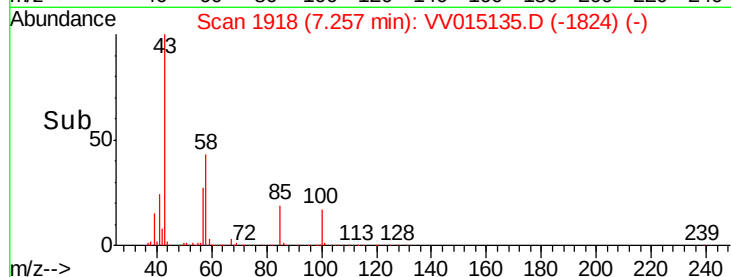
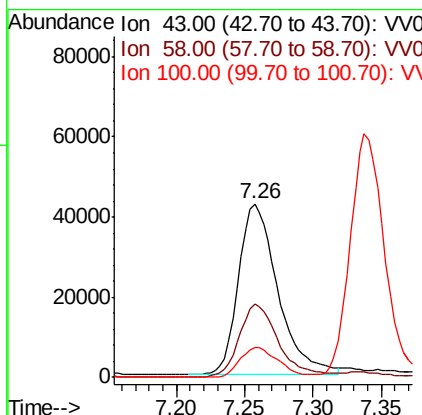
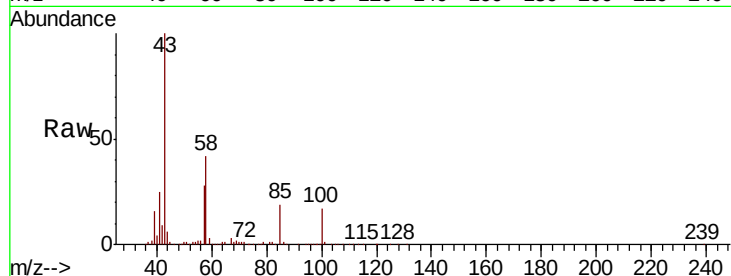




#40
4-Methyl-2-pentanone
Concen: 17.057 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

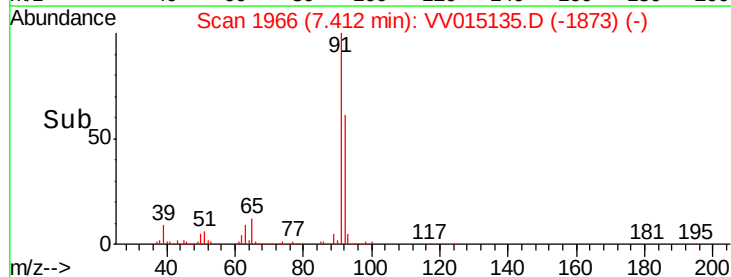
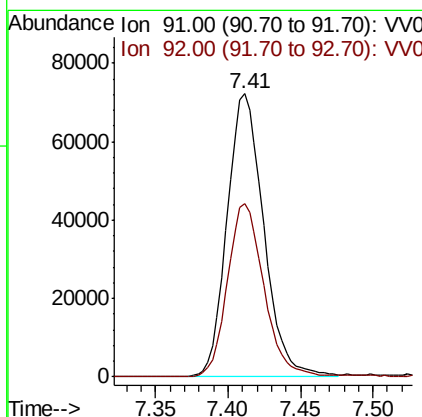
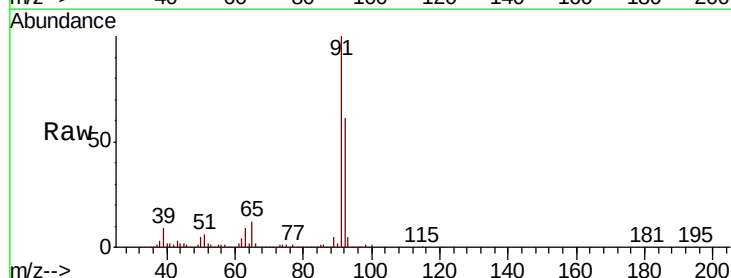
Instrument :
MSVOA_V
ClientSampled :

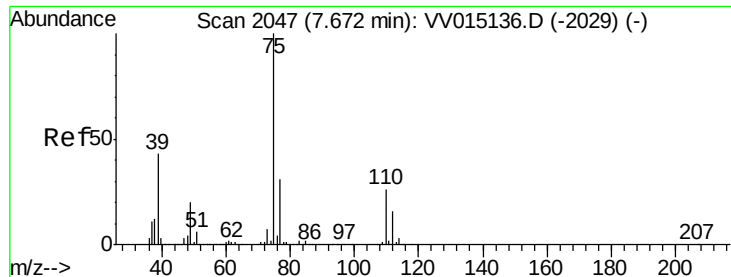
Tot Ion: 43 Resp: 85563
Ion Ratio Lower Upper
43 100
58 42.1 32.5 48.7
100 17.5 13.8 20.8



#42
Toluene
Concen: 11.282 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Tgt Ion: 91 Resp: 126168
Ion Ratio Lower Upper
91 100
92 61.3 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 10.222 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_V

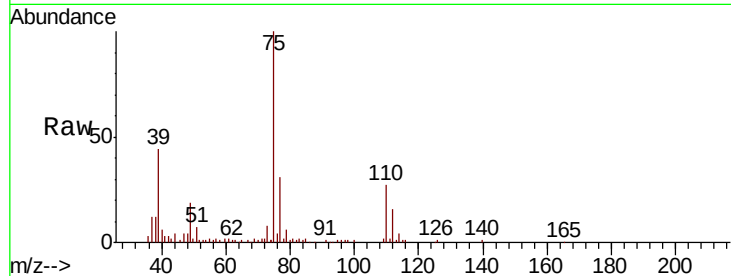
ClientSampleId :

Tot Ion: 75 Resp: 49594

Ion Ratio Lower Upper

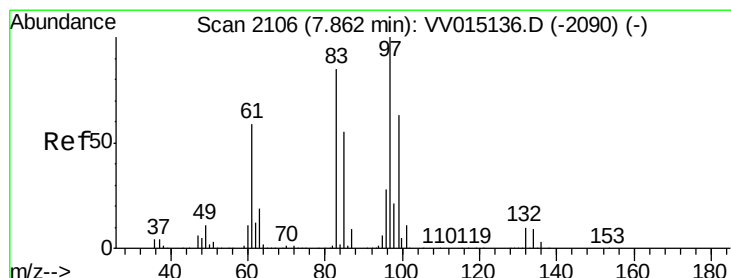
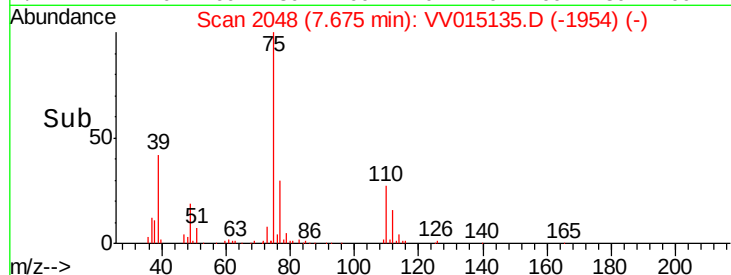
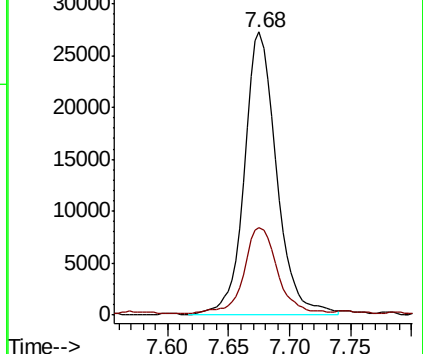
75 100

77 31.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 9.669 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Tgt Ion: 97 Resp: 30127

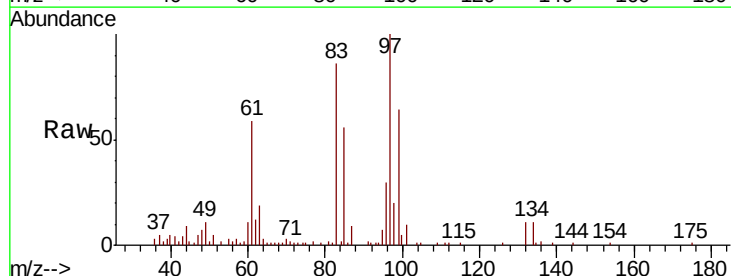
Ion Ratio Lower Upper

97 100

99 63.9 44.2 82.2

83 85.8 59.9 111.3

85 55.6 38.6 71.8

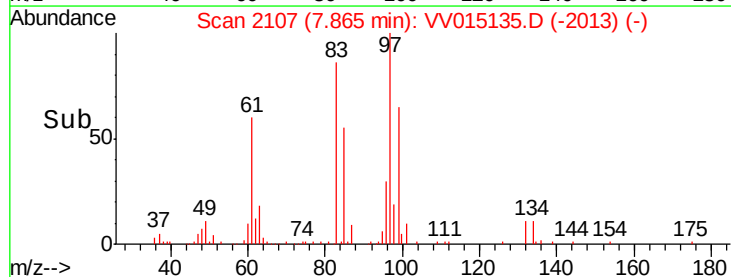
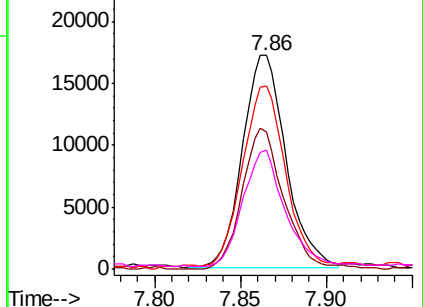


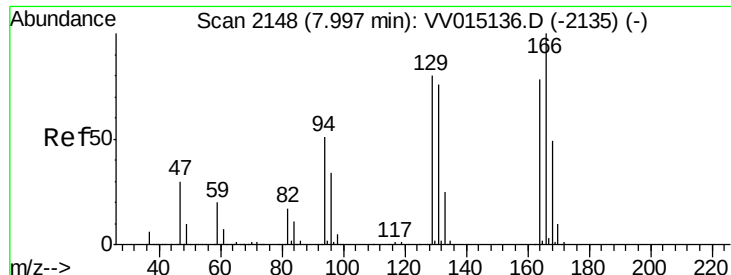
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 12.463 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 20673

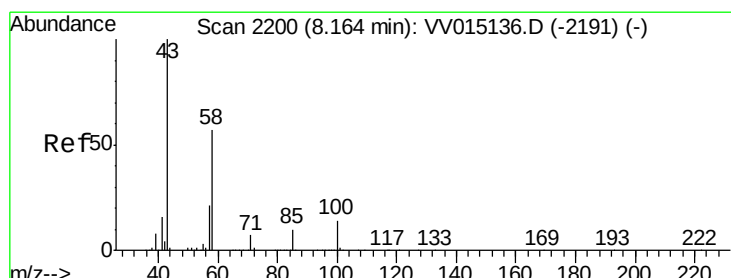
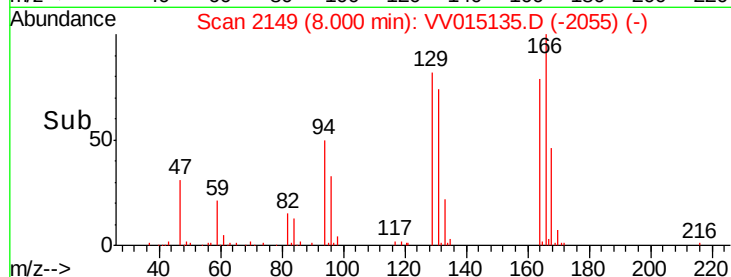
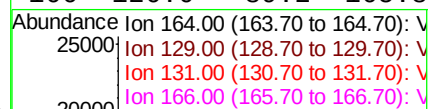
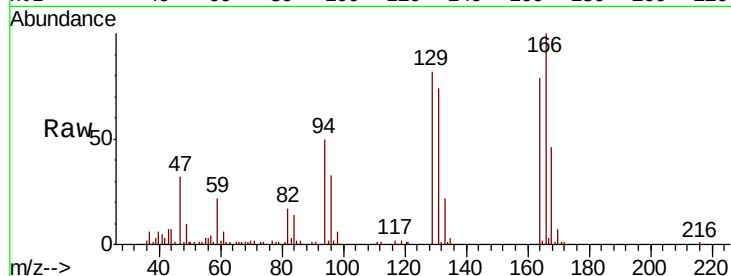
Ion Ratio Lower Upper

164 100

129 102.9 71.2 132.2

131 93.5 67.8 125.8

166 126.0 89.2 165.8



#48

2-Hexanone

Concen: 16.622 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Tgt Ion: 43 Resp: 61255

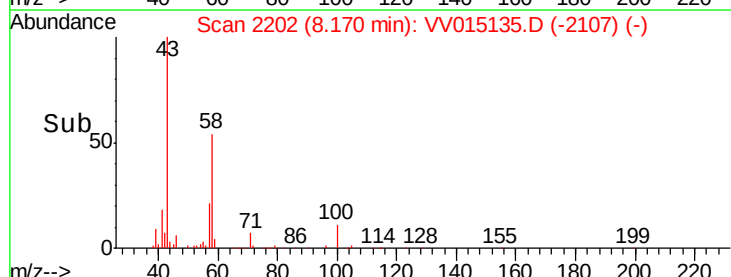
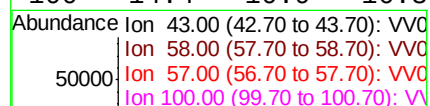
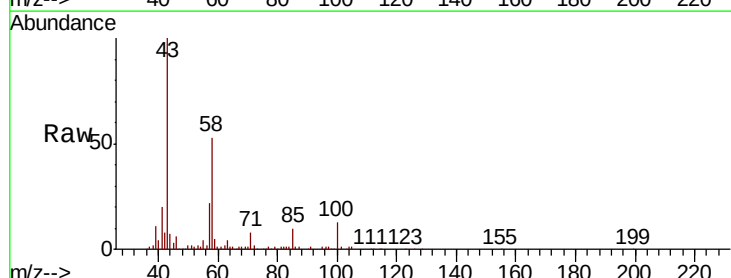
Ion Ratio Lower Upper

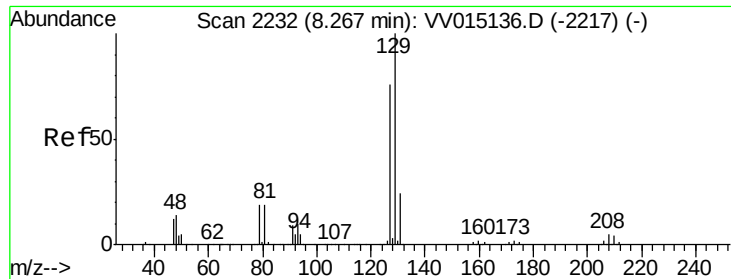
43 100

58 59.0 47.0 70.6

57 20.2 16.5 24.7

100 14.4 10.9 16.3





#49

Dibromochloromethane

Concen: 9.224 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

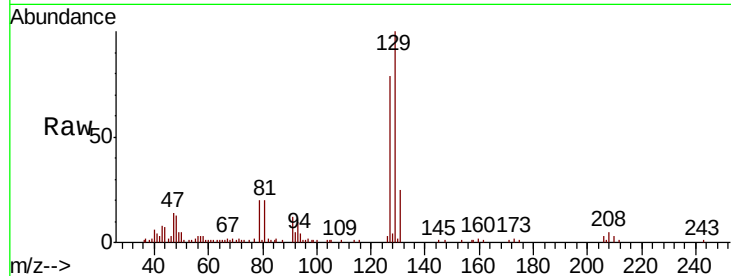
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 32258

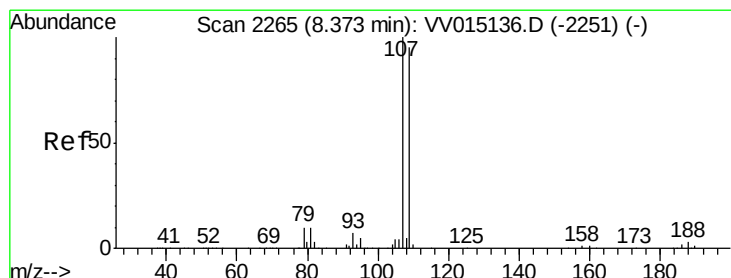
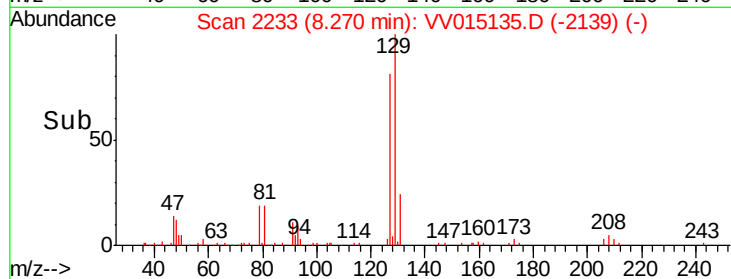
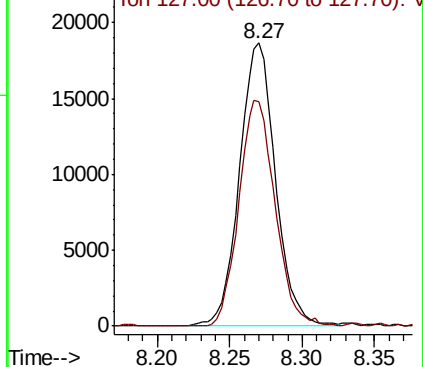
Ion Ratio Lower Upper

129 100

127 79.4 53.4 99.2



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



#50

1,2-Dibromoethane

Concen: 9.494 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

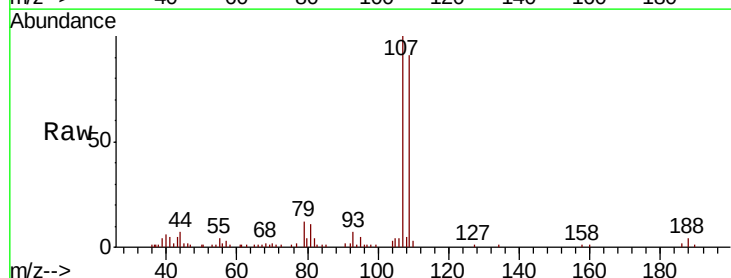
Tgt Ion:107 Resp: 31833

Ion Ratio Lower Upper

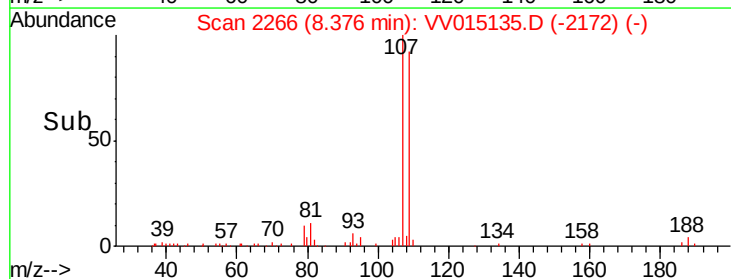
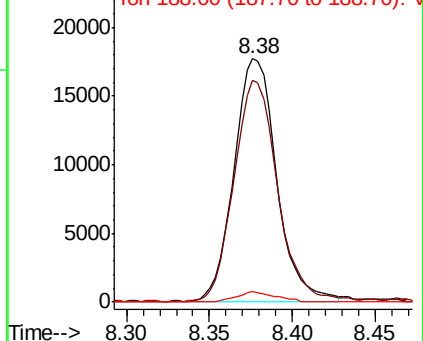
107 100

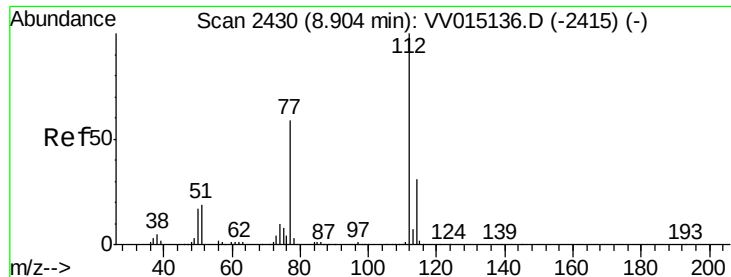
109 91.0 66.6 123.6

188 4.3 2.5 3.7#



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

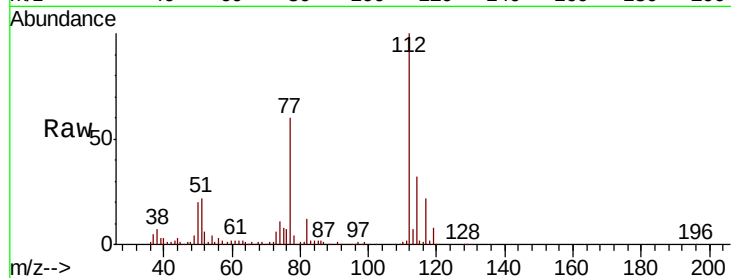




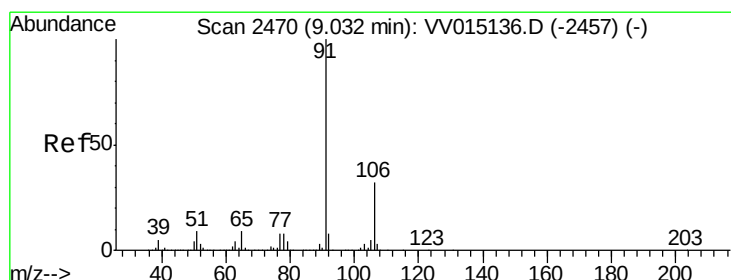
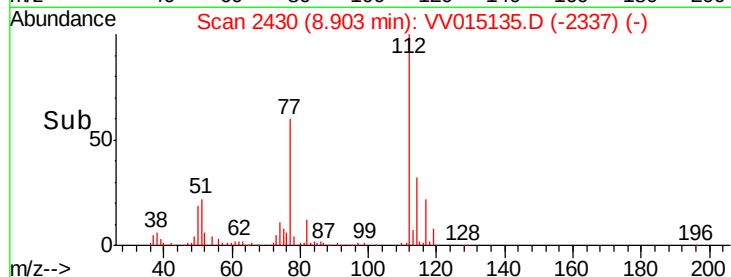
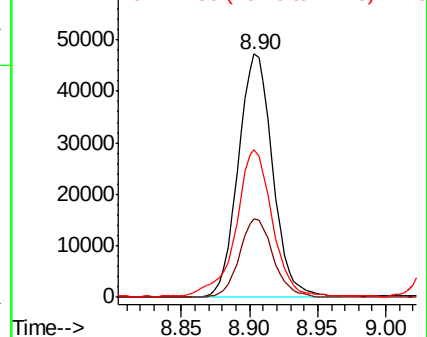
#51
Chlorobenzene
Concen: 11.258 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.0	40.8
77	60.4	47.2	70.8

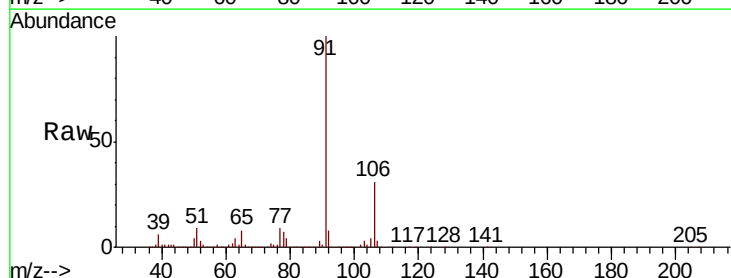


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

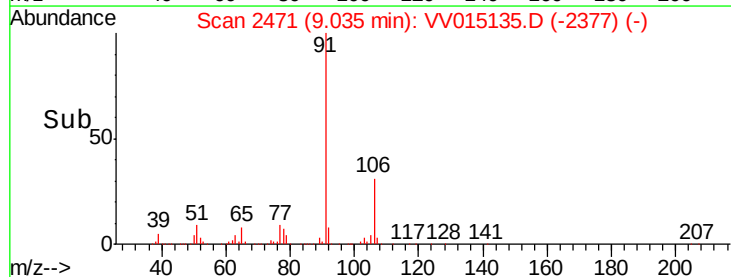
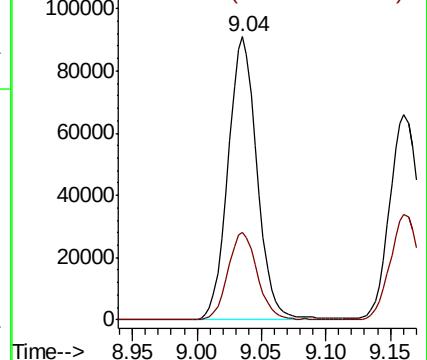


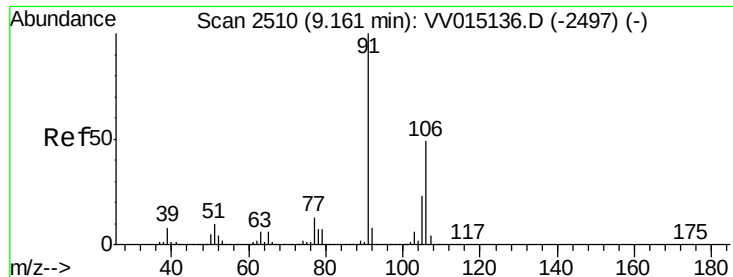
#52
Ethylbenzene
Concen: 12.300 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015135.D
Acq: 25 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	22.2	41.2



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





#53

m,p-Xylene

Concen: 12.309 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

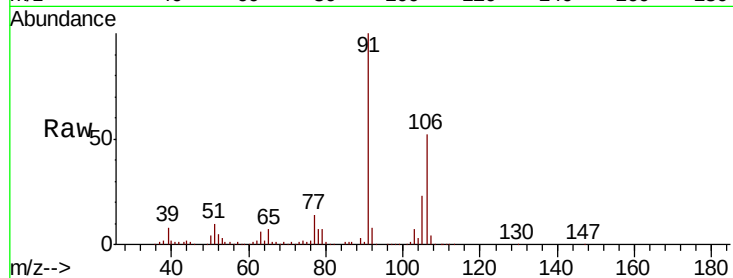
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 54659

Ion Ratio Lower Upper

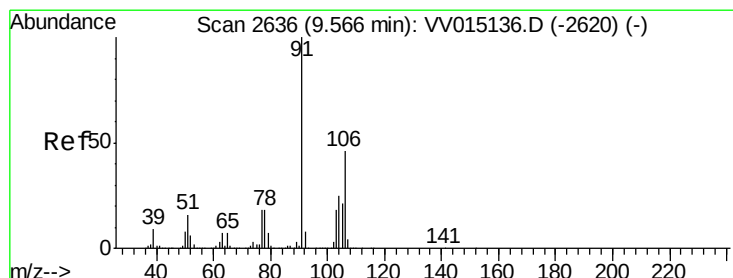
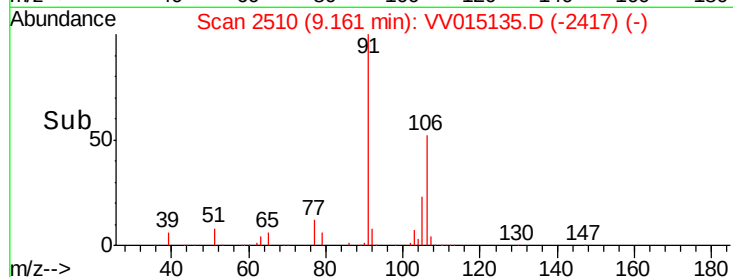
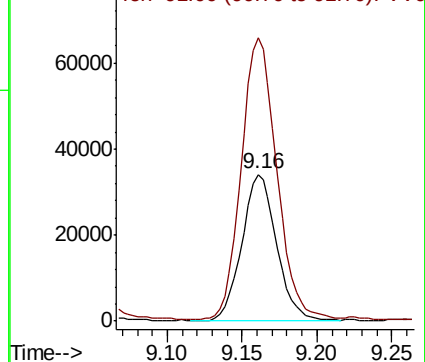
106 100

91 193.3 143.3 266.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 11.782 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015135.D

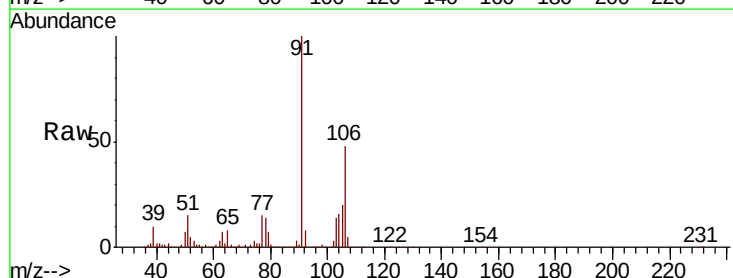
Acq: 25 Mar 2020 11:21

Tgt Ion:106 Resp: 55047

Ion Ratio Lower Upper

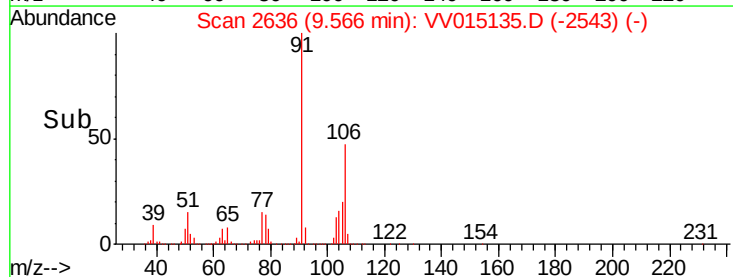
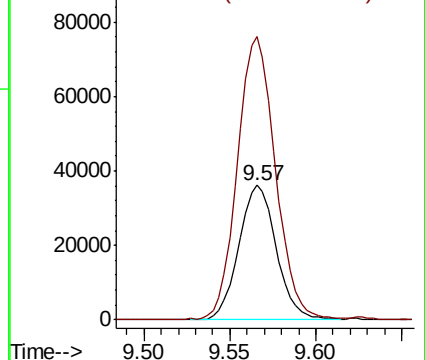
106 100

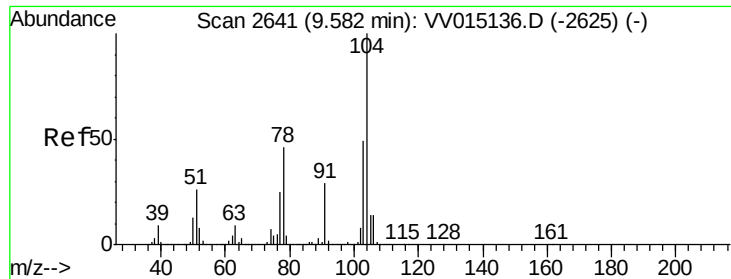
91 210.1 151.5 281.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 10.784 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

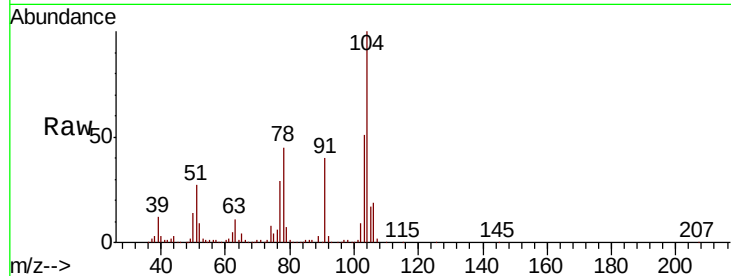
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 88603

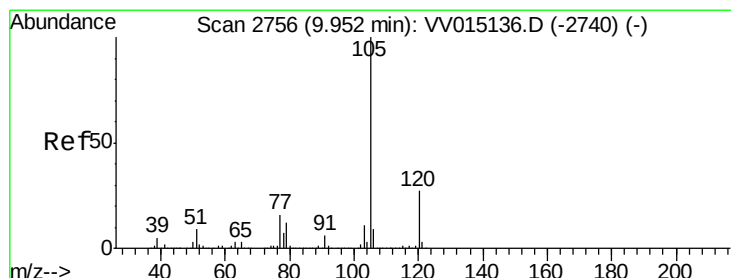
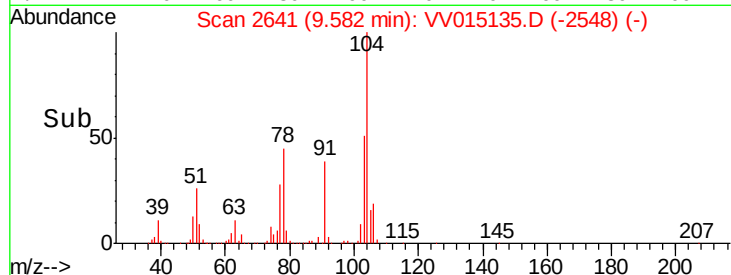
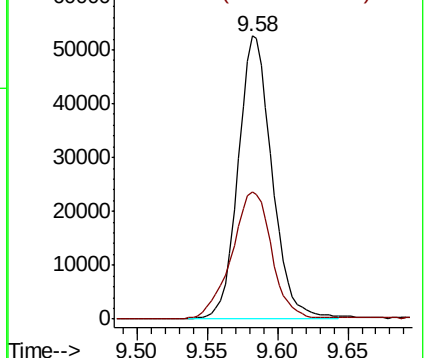
Ion Ratio Lower Upper

104 100

78 45.0 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 12.761 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

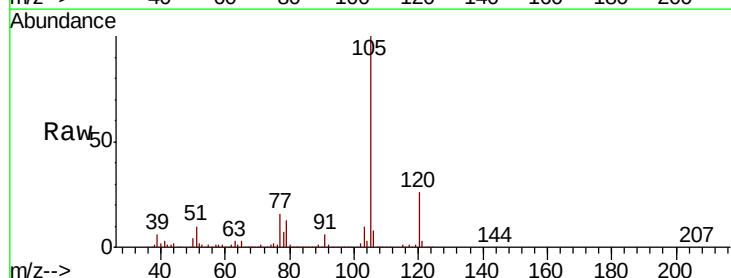
Tgt Ion:105 Resp: 138190

Ion Ratio Lower Upper

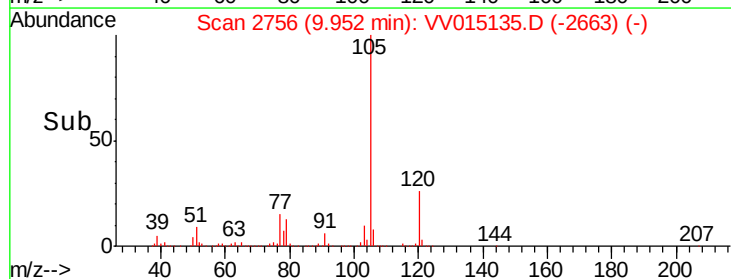
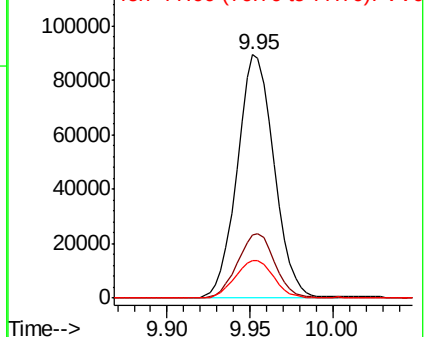
105 100

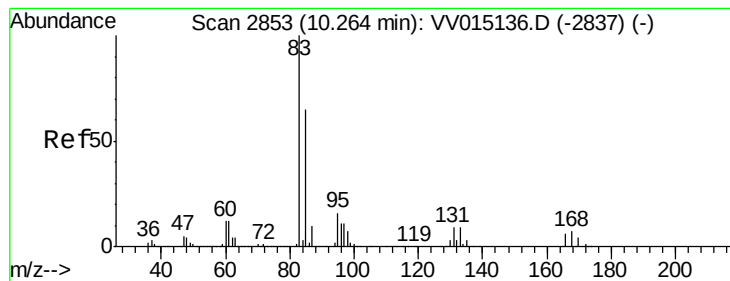
120 26.9 21.4 32.2

77 16.2 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 9.544 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

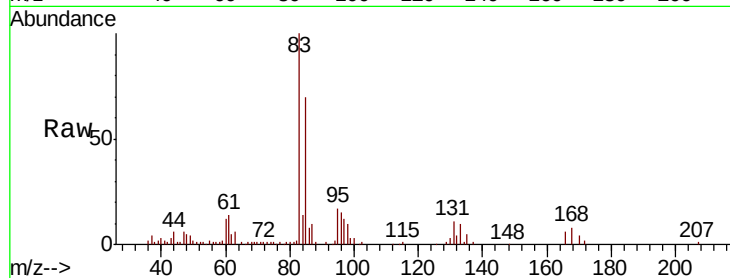
Tot Ion: 83 Resp: 49272

Ion Ratio Lower Upper

83 100

85 70.4 45.8 85.2

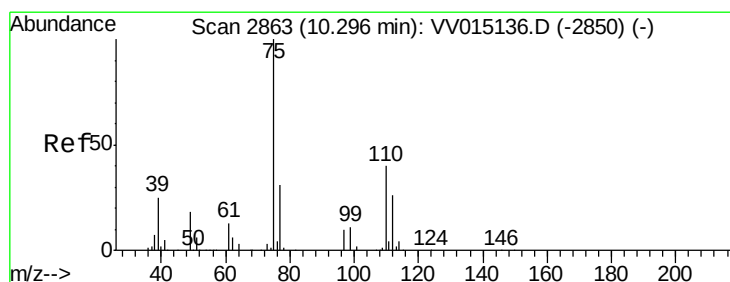
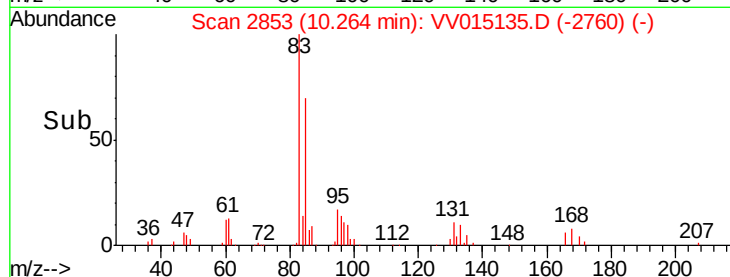
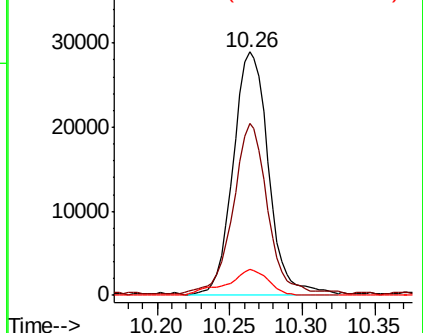
131 10.7 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV015135.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015135.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV015135.D (-2760) (-)



#59

1,2,3-Trichloropropane

Concen: 9.395 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015135.D

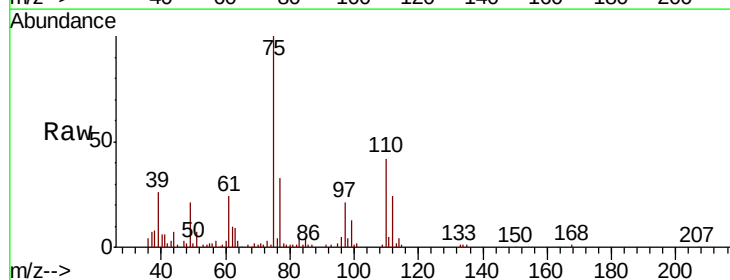
Acq: 25 Mar 2020 11:21

Tgt Ion: 75 Resp: 39184

Ion Ratio Lower Upper

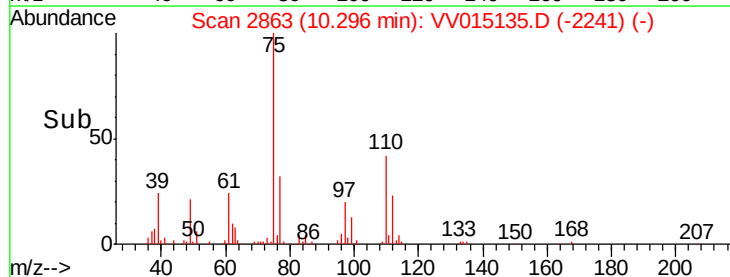
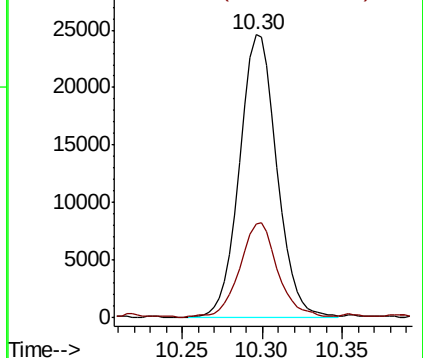
75 100

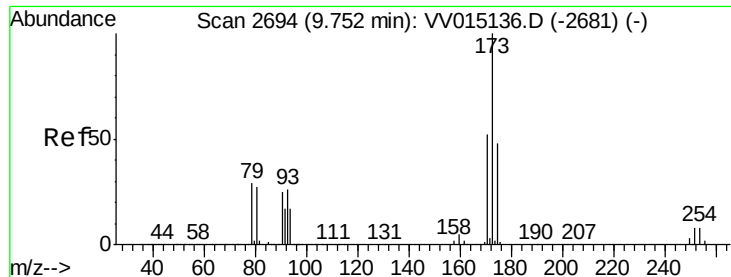
77 32.7 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV015135.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015135.D (-2241) (-)





#61

Bromoform

Concen: 8.520 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :
MSVOA_V
ClientSampleId :

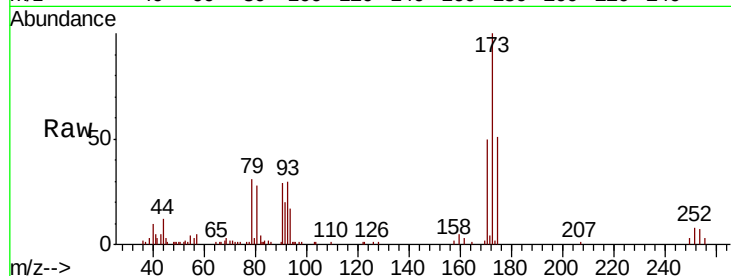
Tot Ion:173 Resp: 21665

Ion Ratio Lower Upper

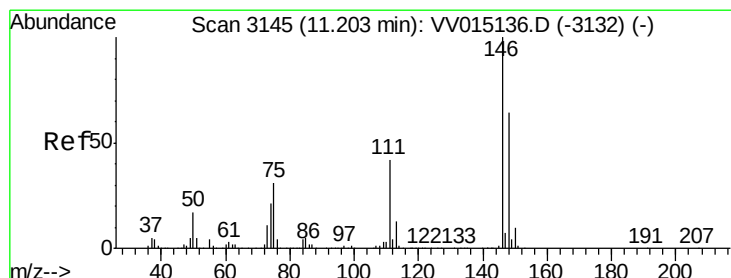
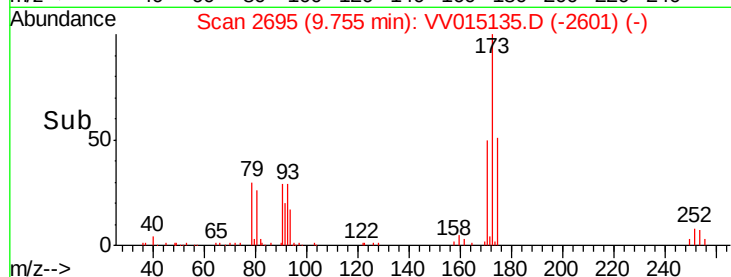
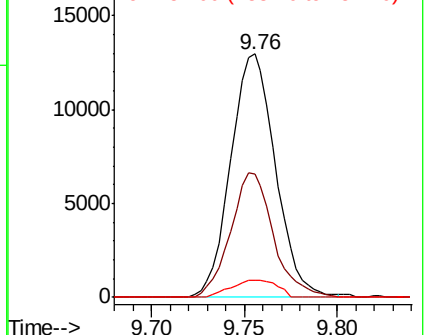
173 100

175 48.9 37.8 56.8

254 7.3 6.1 9.1



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: 10.980 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

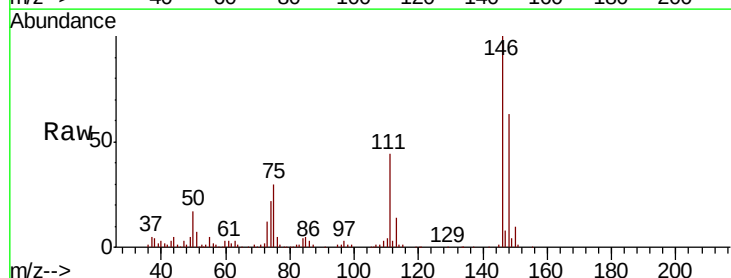
Tgt Ion:146 Resp: 58536

Ion Ratio Lower Upper

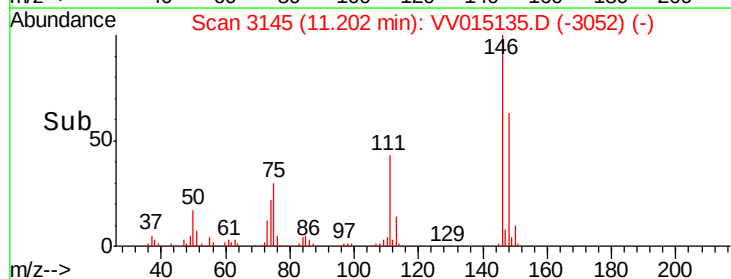
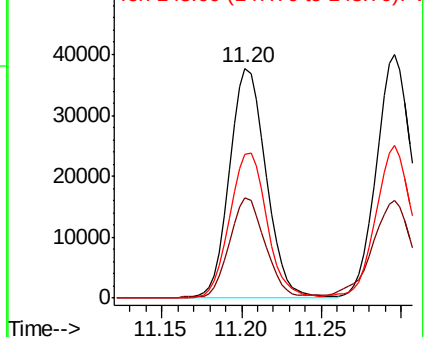
146 100

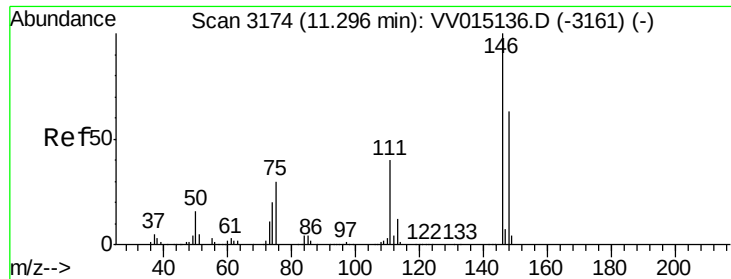
111 43.8 29.3 54.5

148 62.8 44.7 82.9



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

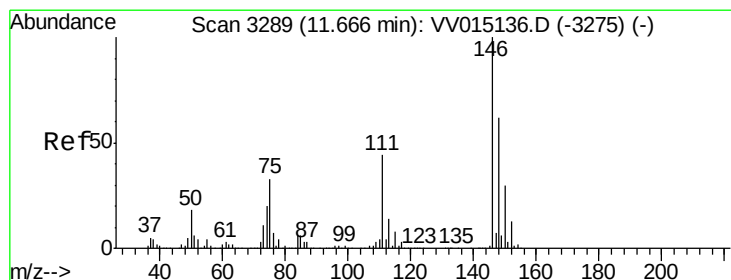
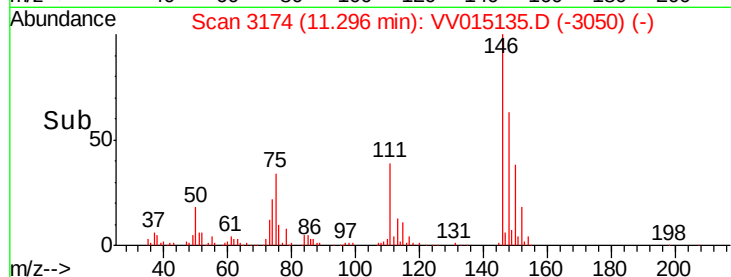
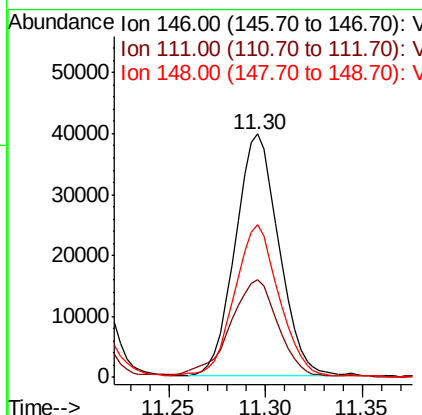
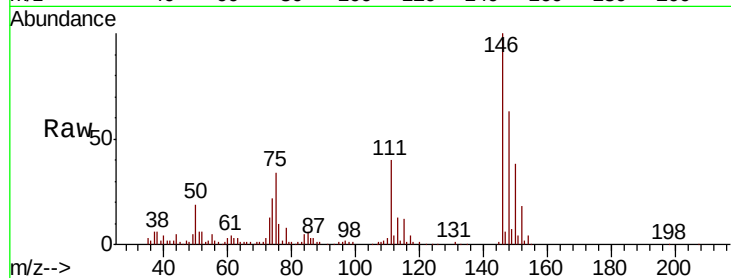




#63
 1,4-Dichlorobenzene
 Concen: 11.492 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

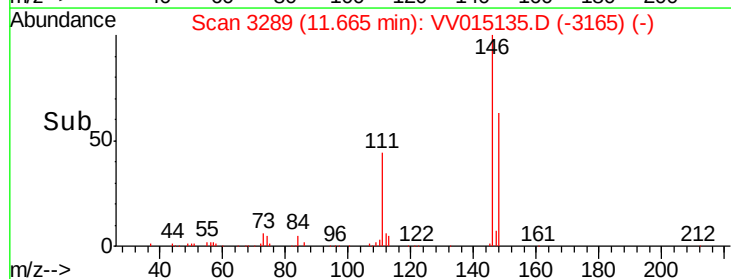
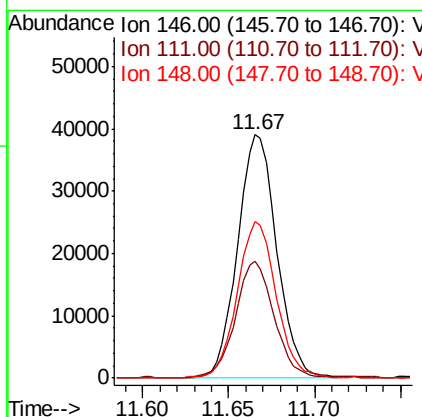
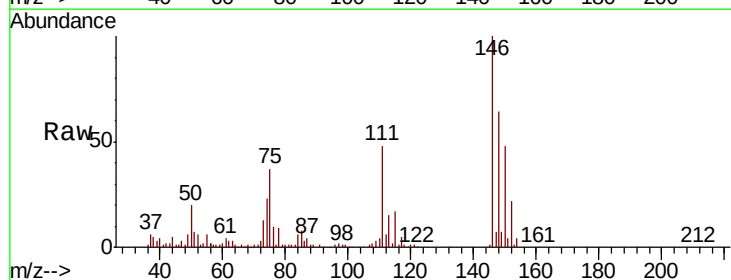
Instrument :
 MSVOA_V
 ClientSampled :

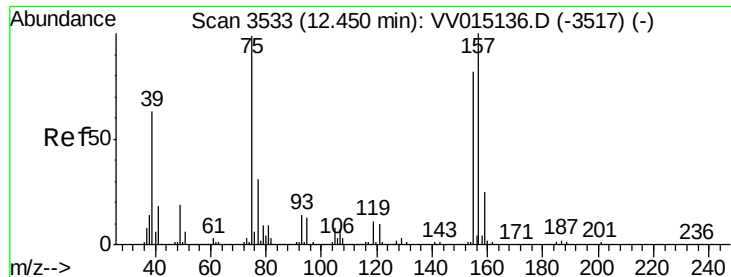
Tot Ion:146 Resp: 62278
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.4 52.8
 148 62.7 44.0 81.8



#65
 1,2-Dichlorobenzene
 Concen: 10.657 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

Tgt Ion:146 Resp: 61706
 Ion Ratio Lower Upper
 146 100
 111 48.1 35.4 53.2
 148 64.2 49.7 74.5

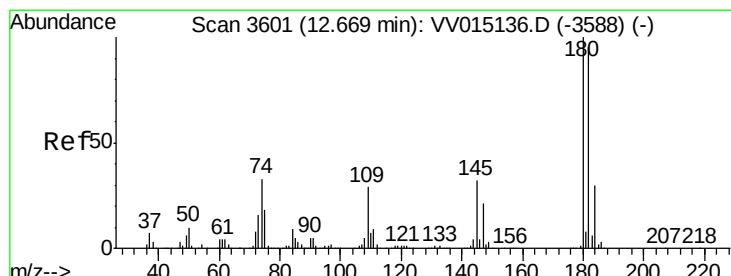
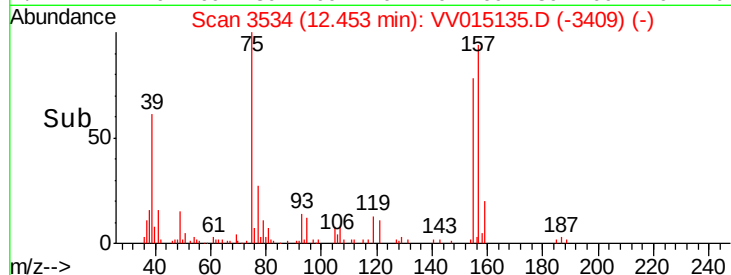
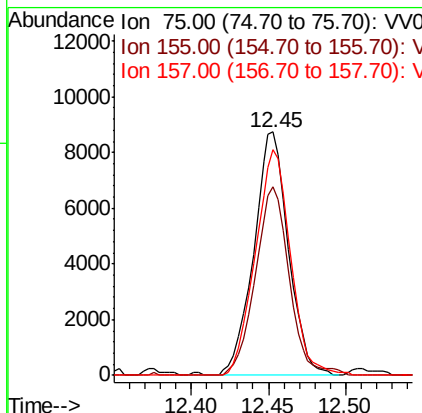
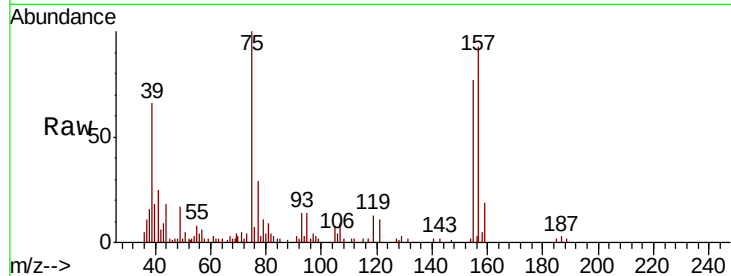




#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.245 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

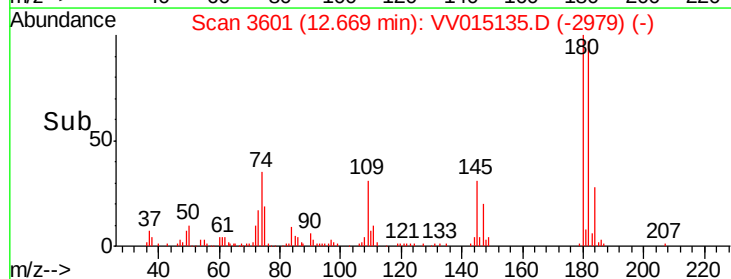
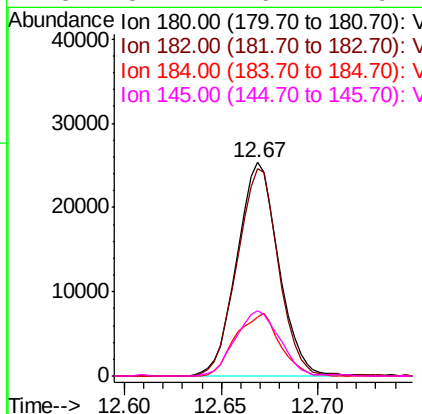
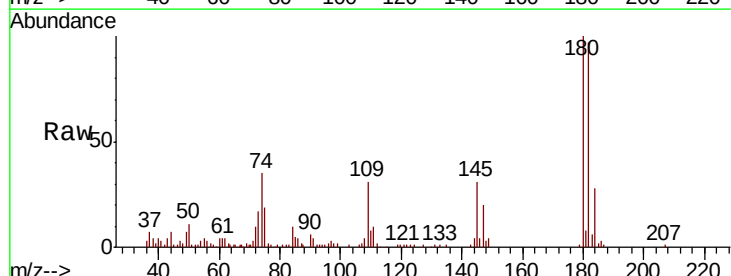
Instrument :
 MSVOA_V
 ClientSampleId :

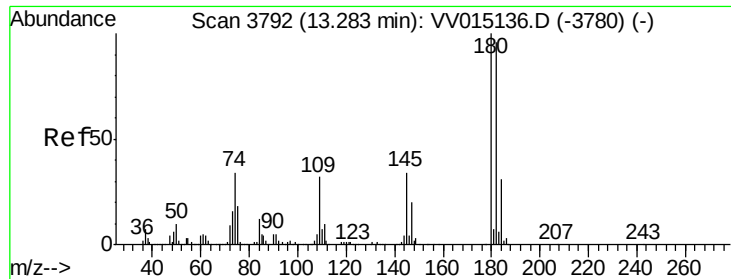
Tot Ion: 75 Resp: 13688
 Ion Ratio Lower Upper
 75 100
 155 77.4 66.2 99.4
 157 92.6 81.1 121.7



#67
 1,3,5-Trichlorobenzene
 Concen: 11.270 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

Tgt Ion: 180 Resp: 38042
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 31.0 24.4 36.6
 145 32.7 26.7 40.1

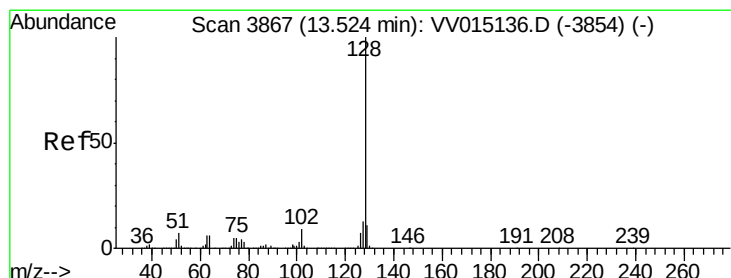
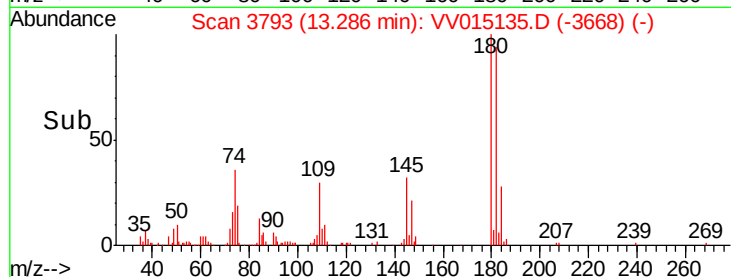
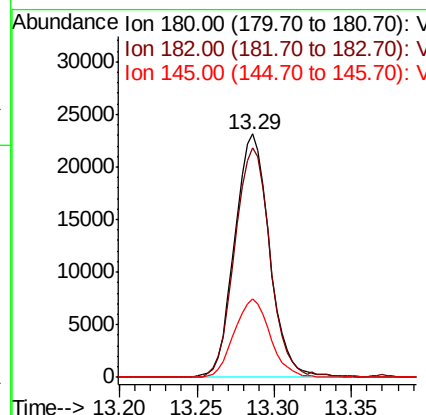
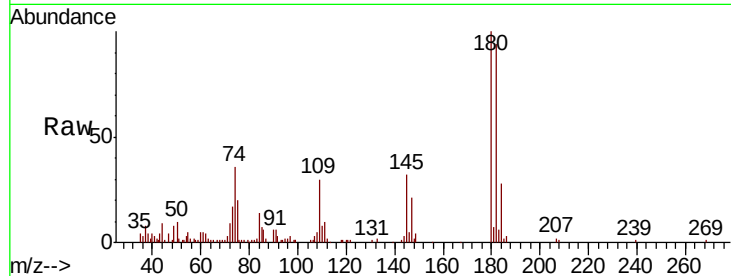




#68
 1,2,4-trichlorobenzene
 Concen: 10.593 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

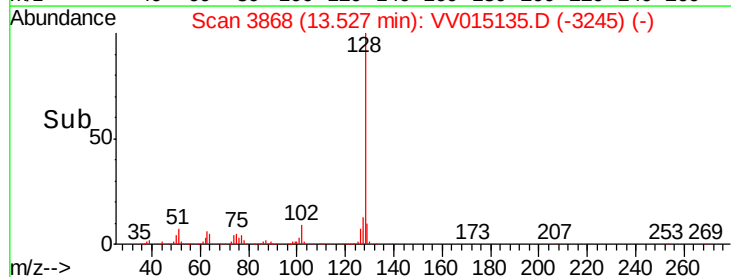
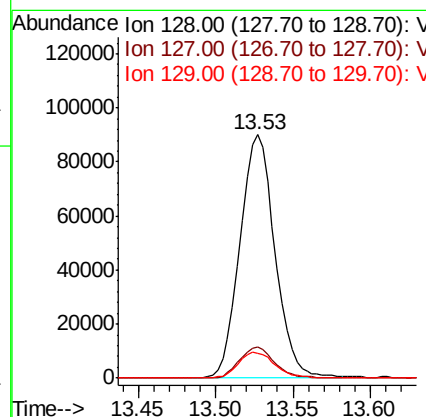
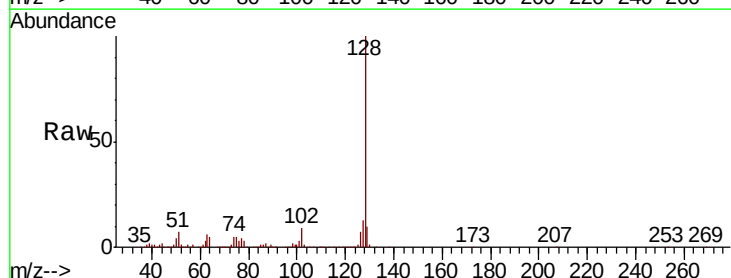
Instrument :
 MSVOA_V
 ClientSampleId :

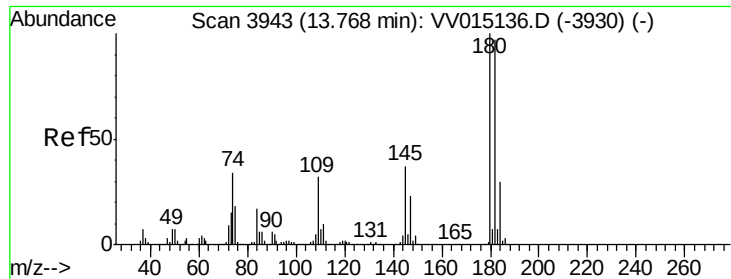
Tot Ion	180	Resp	36138
Ion Ratio	100		
Lower	76.1		
Upper	114.1		
182	94.8		
145	32.9		
	26.6		
	40.0		



#69
 Naphthalene
 Concen: 9.337 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV015135.D
 Acq: 25 Mar 2020 11:21

Tgt Ion	128	Resp	141586
Ion Ratio	100		
Lower	10.3		
Upper	15.5		
127	12.4		
129	11.1		
	8.6		
	12.8		





#70

1,2,3-Trichlorobenzene

Concen: 10.042 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015135.D

Acq: 25 Mar 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 35818

Ion Ratio Lower Upper

180 100

182 98.8 76.3 114.5

145 37.7 29.6 44.4

