

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016220.D
 Acq On : 27 May 2020 12:01
 Operator : SY/MD
 Sample : L2754-19
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	95961	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	93874	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	45781	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26489	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	23923	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.13	63	44860	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.94	46	70812	46.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.64%
24) Chloroform-d	4.38	84	57786	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.06	65	29013	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.08	84	103255	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.10	67	31743	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.34	98	100147	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
45) trans-1,3-Dichloropropene-	7.65	79	11467	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
48) 2-Hexanone-d5	8.12	63	49485	40.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.46%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22541	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	33048	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	29608	3.505	ug/L 99
5) Vinyl chloride	1.32	62	30942	3.682	ug/L 94
8) Chloroethane	1.60	64	64835	13.808	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	62865	10.616	ug/L 98
12) 1,1-Dichloroethene	2.14	96	12629	2.231	ug/L # 63
13) Acetone	2.21	43	128043	135.308	ug/L 90
15) Methyl Acetate	2.46	43	24475	10.121	ug/L 100
16) Methylene chloride	2.53	84	714	0.110	ug/L 86
18) trans-1,2-Dichloroethene	2.78	96	16516	2.667	ug/L 94
19) 1,1-Dichloroethane	3.21	63	25392	2.158	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	27508	3.755	ug/L 97
23) Bromochloromethane	4.28	128	13698	4.926	ug/L 94
25) Chloroform	4.41	83	96434	7.744	ug/L 99
27) 1,2-Dichloroethane	5.16	62	15507	1.905	ug/L 99
29) 1,1,1-Trichloroethane	4.64	97	20924	1.878	ug/L 99
31) Carbon tetrachloride	4.85	117	27249	2.886	ug/L 100
34) Trichloroethene	5.94	95	15218	2.162	ug/L 99

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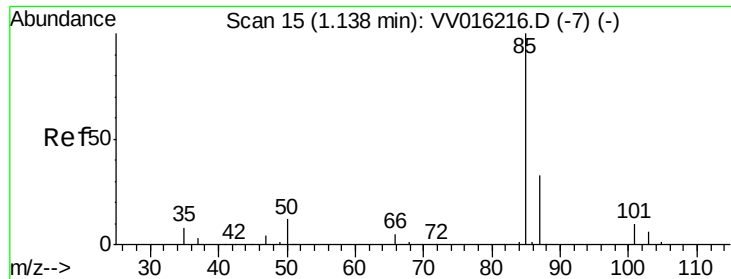
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

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

35) Methylcyclohexane	6.10	83	8088	0.681	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3775	0.570	ug/L #	88
39) cis-1,3-Dichloropropene	7.05	75	40705	4.338	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	229975	55.790	ug/L	99
43) 1,3,5-Trimethylbenzene	10.94	105	106967	3.988	ug/L	96
44) 1,2,4-Trimethylbenzene	10.94	105	106967	3.872	ug/L	99
46) trans-1,3-Dichloropropene	7.68	75	17931	2.300	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	8480	1.946	ug/L	96
49) Tetrachloroethene	8.00	164	15218	3.012	ug/L	98
50) 2-Hexanone	8.12	43	7924	2.756	ug/L #	75
51) Dibromochloromethane	8.00	129	14868	3.221	ug/L #	10
52) 1,2-Dibromoethane	8.38	107	19302	4.714	ug/L	99
53) Chlorobenzene	8.90	112	103146	5.666	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	7934	1.465	ug/L	98
62) Bromoform	9.76	173	5306	2.695	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	40661	2.910	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	26999	1.902	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.67	75	10008	11.733	ug/L #	9
68) 1,3,5-Trichlorobenzene	12.67	180	46328	4.686	ug/L	100
69) 1,2,4-trichlorobenzene	13.29	180	39177	4.512	ug/L	99
70) Naphthalene	13.53	128	2854	0.150	ug/L #	93
71) 1,2,3-Trichlorobenzene	13.77	180	20103	2.567	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 3.505 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :

MSVOA_V

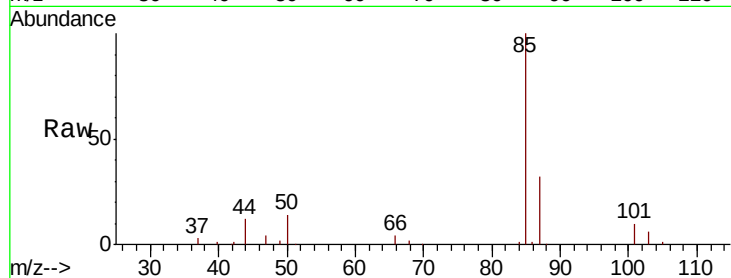
ClientSampleId :

Tot Ion: 85 Resp: 29608

Ion Ratio Lower Upper

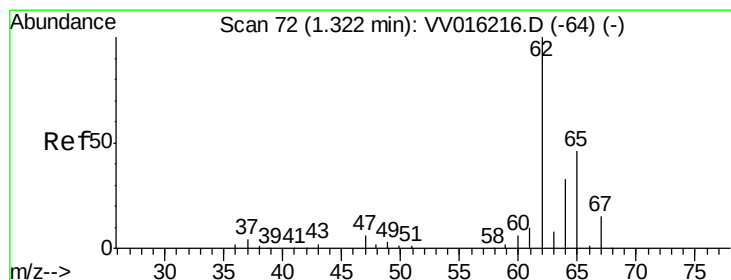
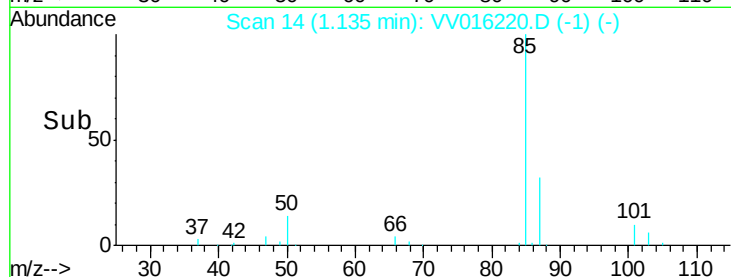
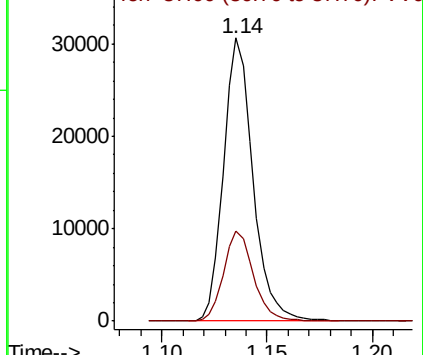
85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#5

Vinyl chloride

Concen: 3.682 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016220.D

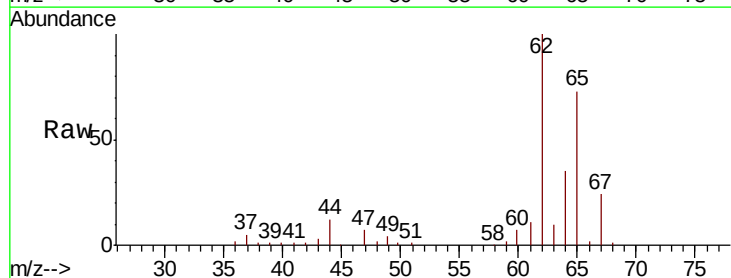
Acq: 27 May 2020 12:01

Tgt Ion: 62 Resp: 30942

Ion Ratio Lower Upper

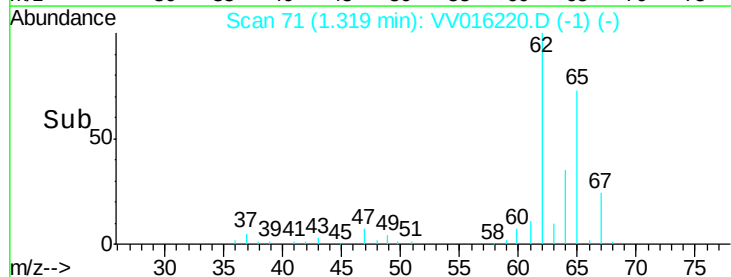
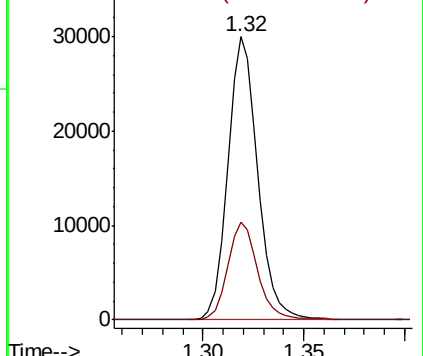
62 100

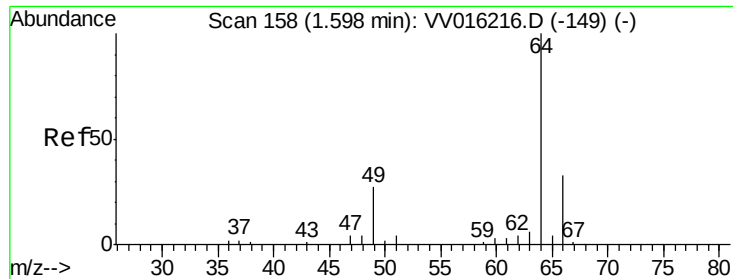
64 34.7 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

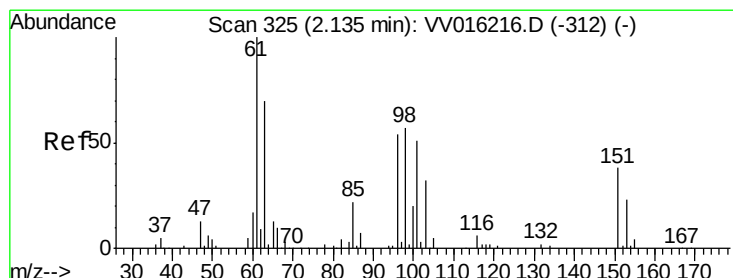
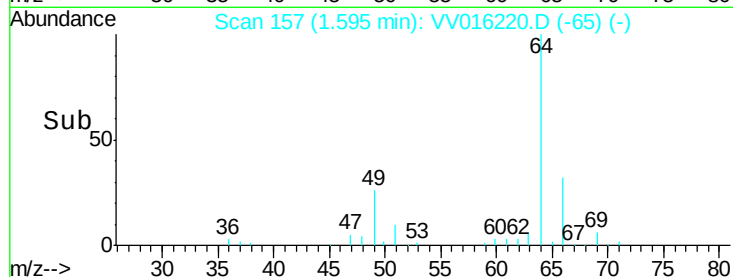
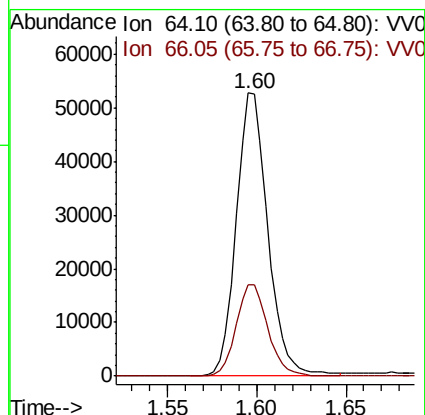
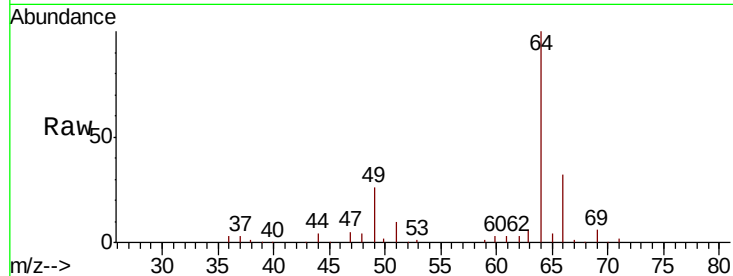




#8
Chloroethane
Concen: 13.808 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

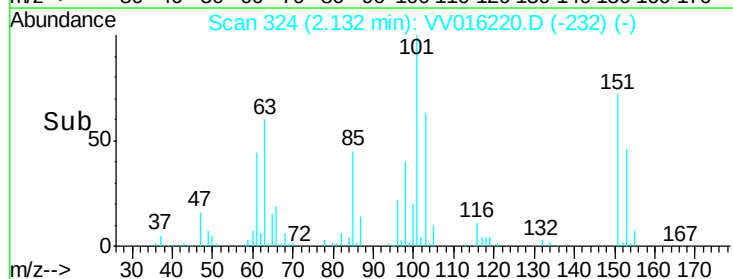
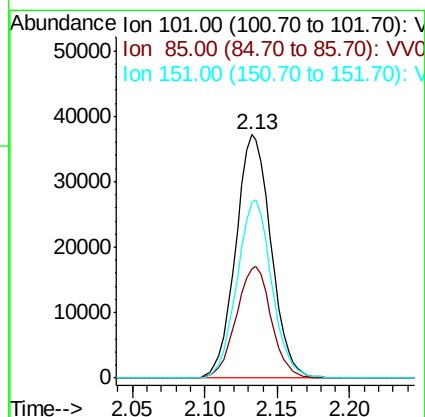
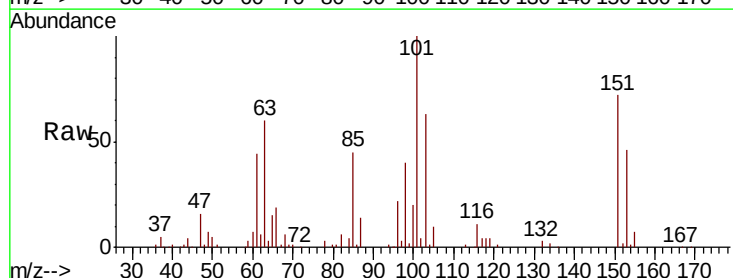
Instrument :
MSVOA_V
ClientSampled :

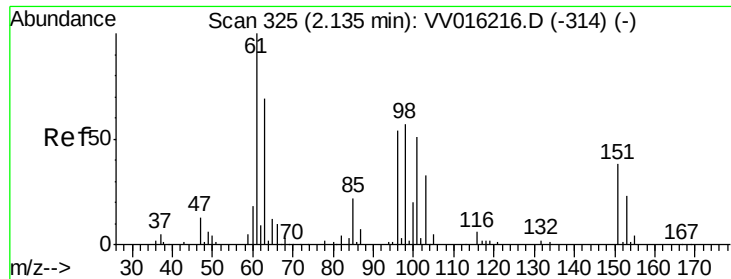
Tot Ion: 64 Resp: 64835
Ion Ratio Lower Upper
64 100
66 32.5 22.9 42.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.616 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

Tgt Ion: 101 Resp: 62865
Ion Ratio Lower Upper
101 100
85 45.3 35.0 52.6
151 72.2 56.3 84.5

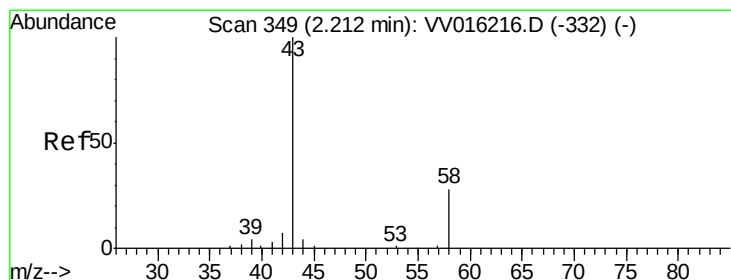
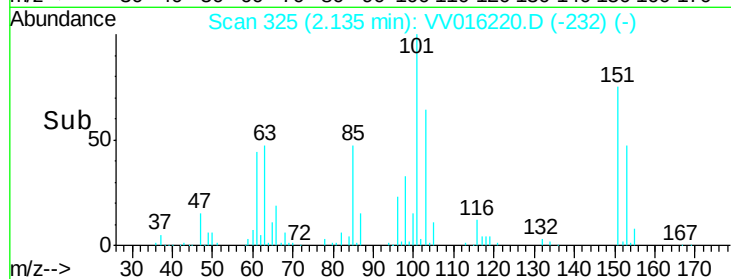
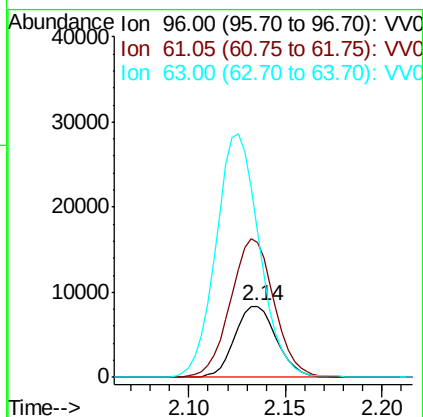
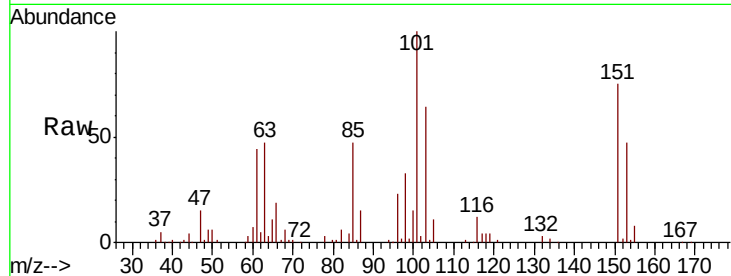




#12
 1,1-Dichloroethene
 Concen: 2.231 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

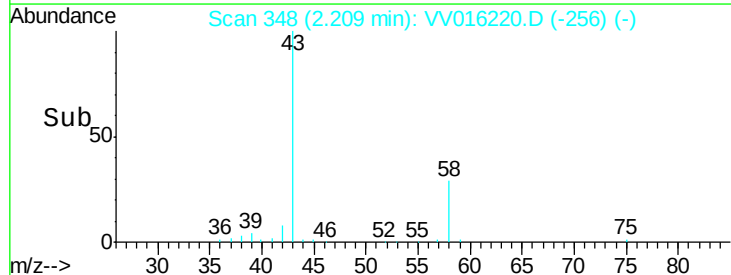
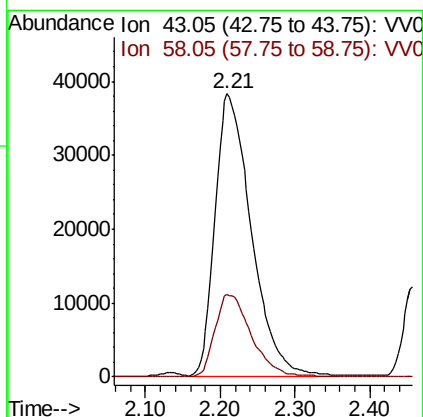
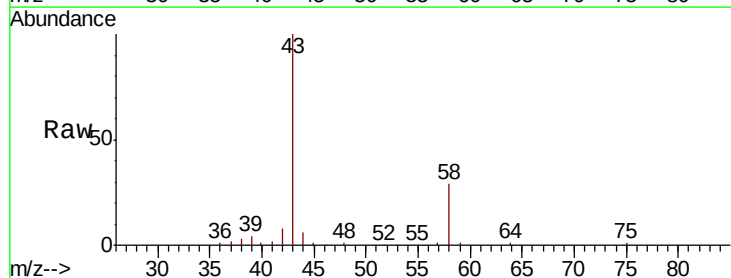
Instrument :
 MSVOA_V
 ClientSampleId :

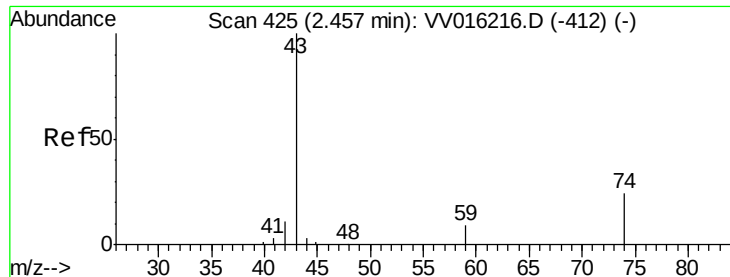
Tot Ion: 96 Resp: 12629
 Ion Ratio Lower Upper
 96 100
 61 189.9 124.9 231.9
 63 203.3 80.4 149.2#



#13
 Acetone
 Concen: 135.308 ug/L
 RT: 2.21 min Scan# 348
 Delta R.T. -0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

Tgt Ion: 43 Resp: 128043
 Ion Ratio Lower Upper
 43 100
 58 29.5 0.0 48.8





#15

Methvl Acetate

Concen: 10.121 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :

MSVOA_V

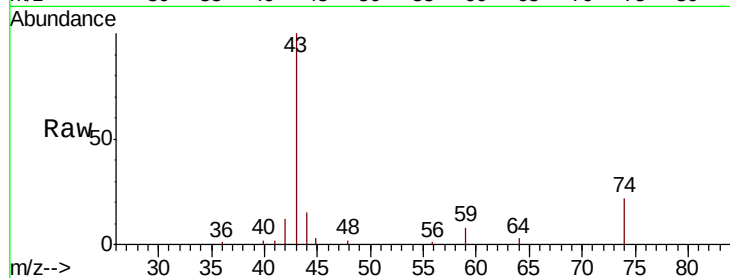
ClientSampled :

Tot Ion: 43 Resp: 24475

Ion Ratio Lower Upper

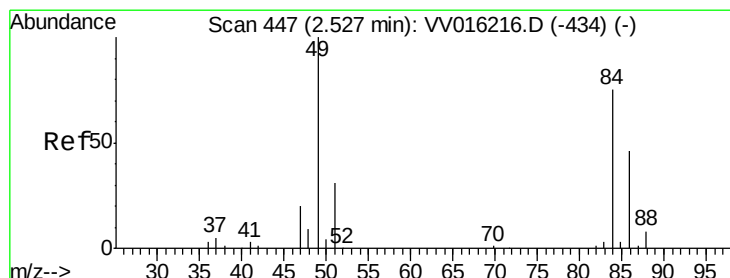
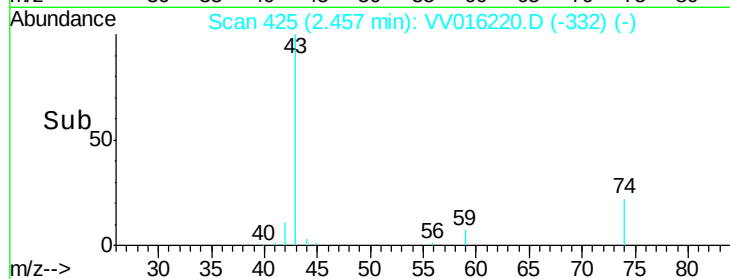
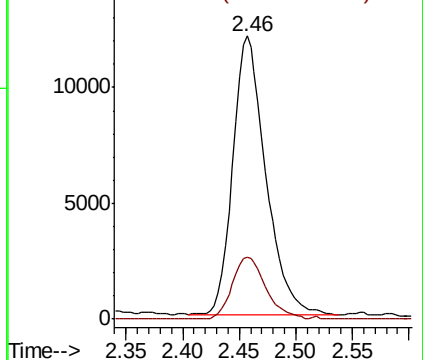
43 100

74 22.5 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.110 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

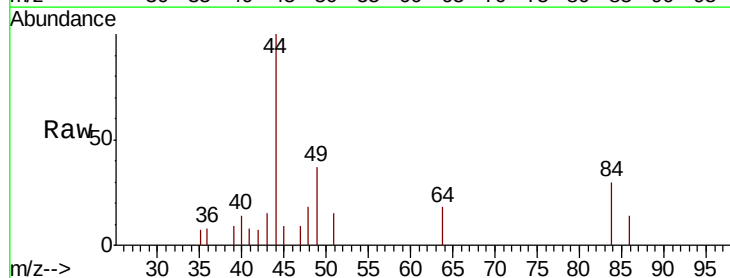
Tgt Ion: 84 Resp: 714

Ion Ratio Lower Upper

84 100

86 47.0 44.9 83.5

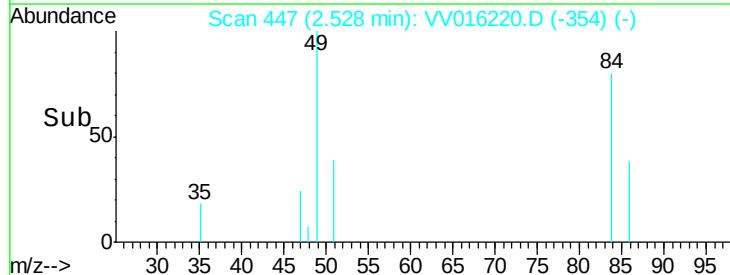
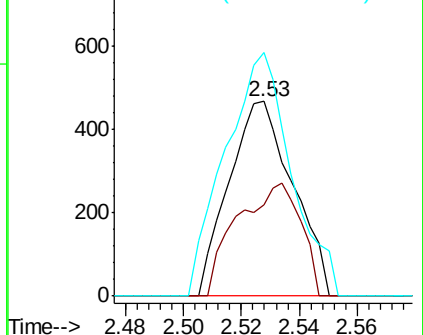
49 125.0 96.7 179.7

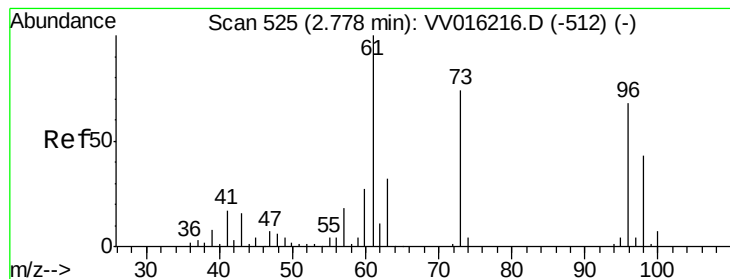


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 2.667 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :
MSVOA_V
ClientSampleId :

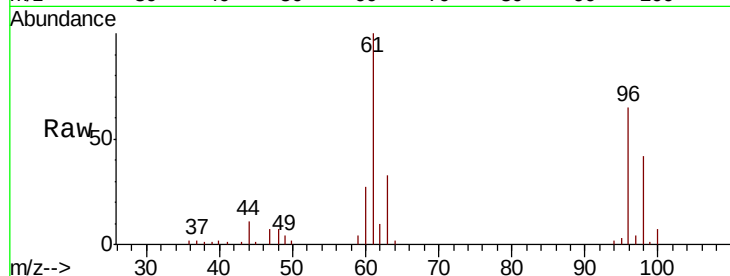
Tot Ion: 96 Resp: 16516

Ion Ratio Lower Upper

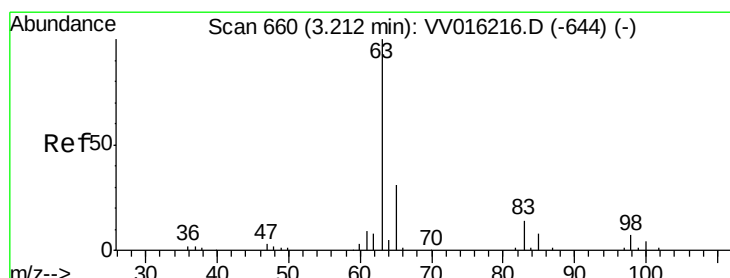
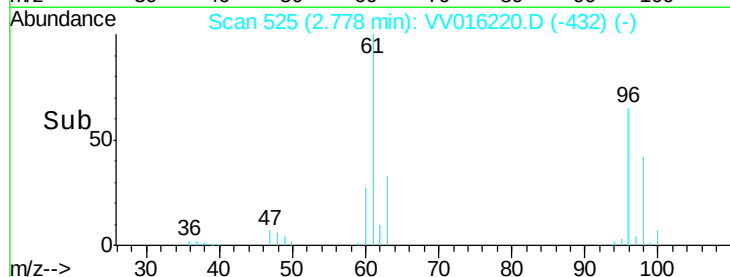
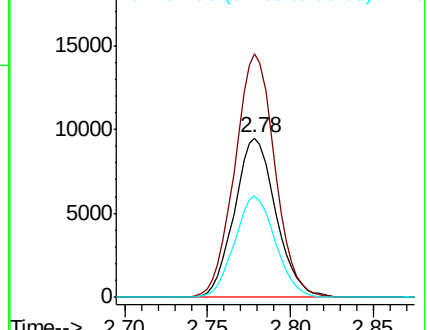
96 100

61 152.8 99.8 185.4

98 63.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 2.158 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

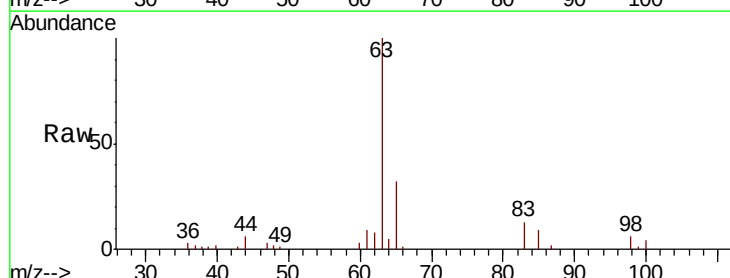
Tgt Ion: 63 Resp: 25392

Ion Ratio Lower Upper

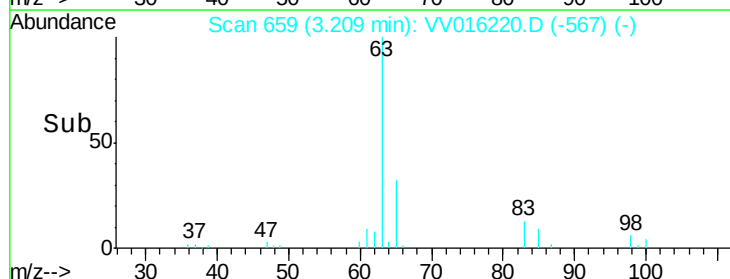
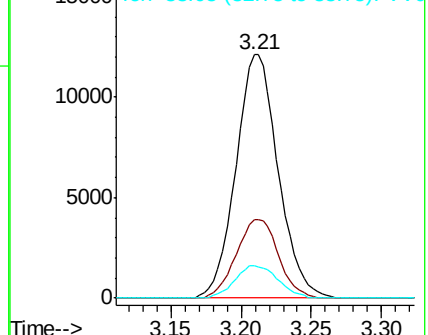
63 100

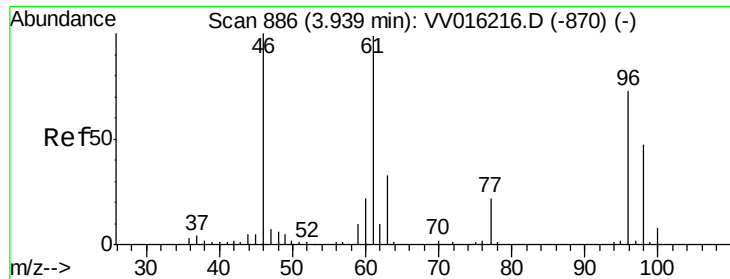
65 32.2 22.3 41.5

83 13.4 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 3.755 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :
MSVOA_V
ClientSampleId :

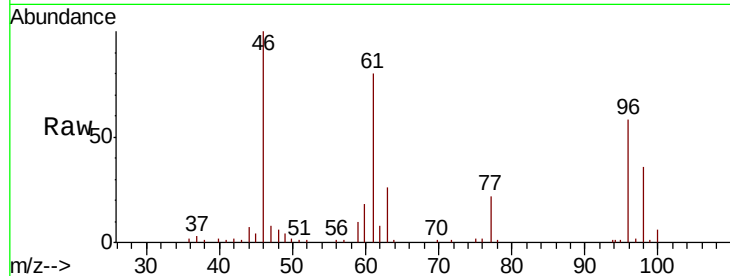
Tot Ion: 96 Resp: 27508

Ion Ratio Lower Upper

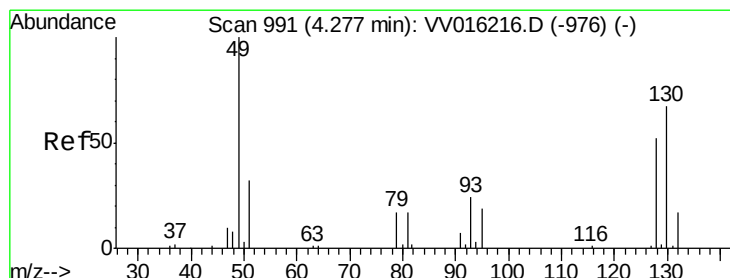
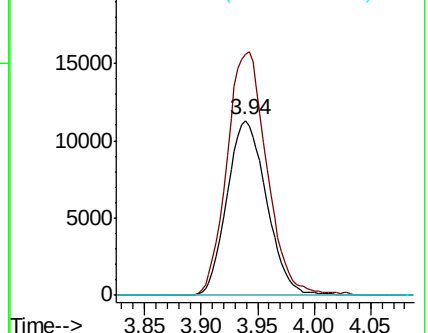
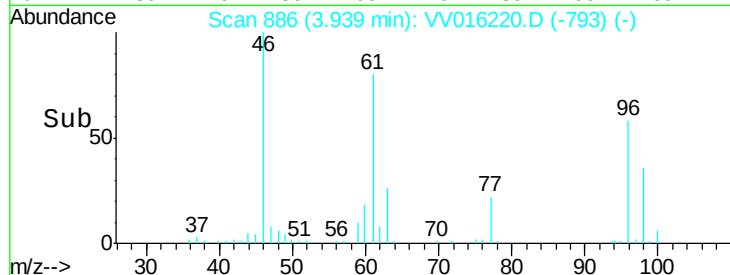
96 100

61 138.4 99.7 185.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016220.D (-793) (-)



#23

Bromochloromethane

Concen: 4.926 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Tgt Ion: 128 Resp: 13698

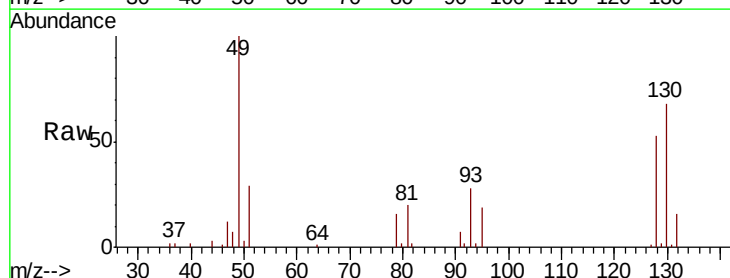
Ion Ratio Lower Upper

128 100

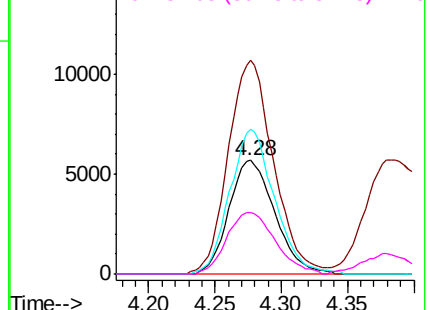
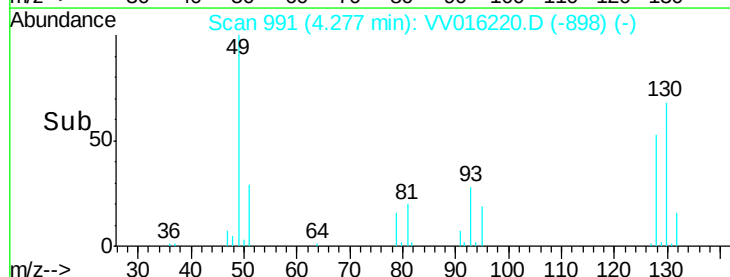
49 188.2 125.5 233.1

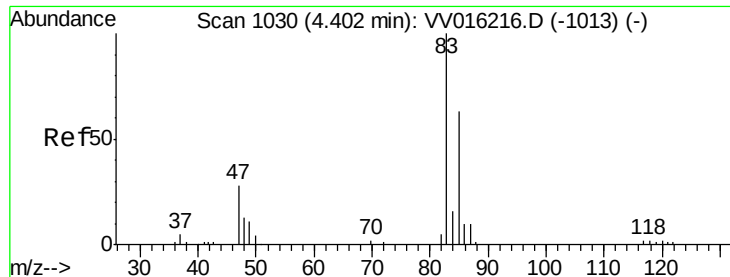
130 127.7 83.0 154.2

51 54.2 42.9 64.3



Abundance Ion 127.90 (127.60 to 128.60): VV016220.D (-898) (-)

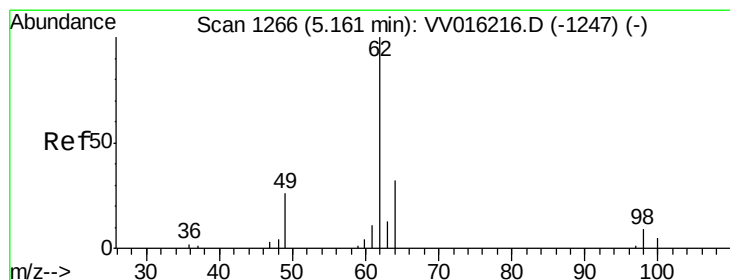
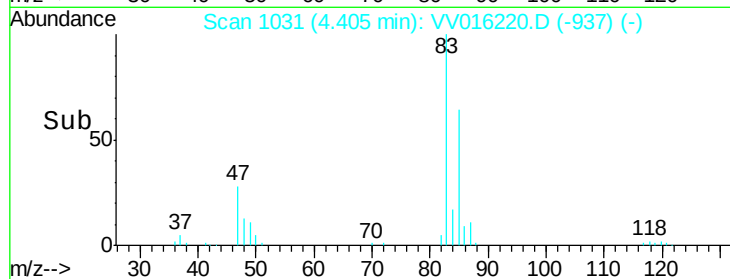
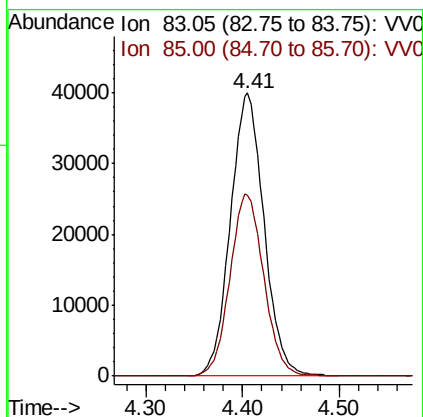
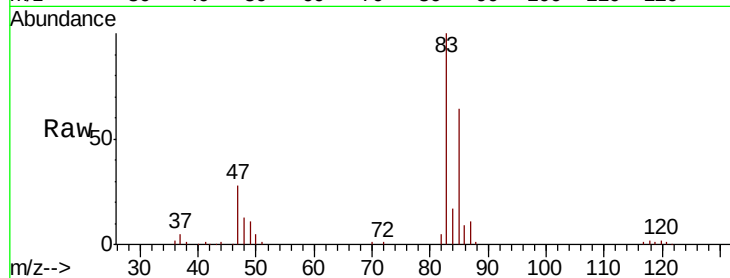




#25
Chloroform
Concen: 7.744 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

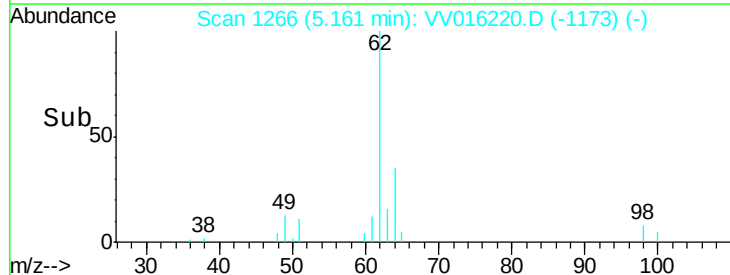
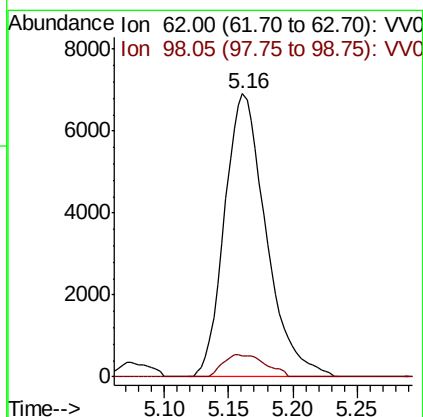
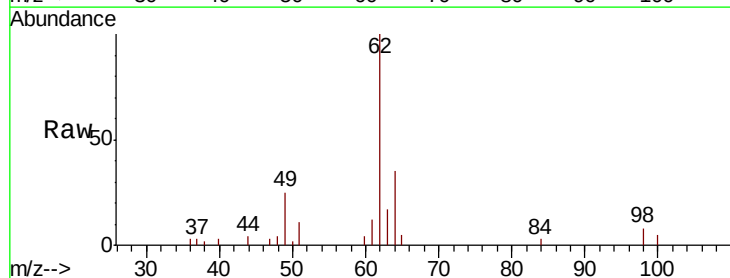
Instrument :
MSVOA_V
ClientSampleId :

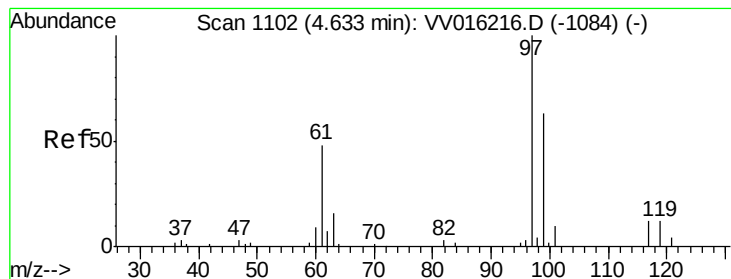
Tot Ion: 83 Resp: 96434
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.7



#27
1,2-Dichloroethane
Concen: 1.905 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

Tgt Ion: 62 Resp: 15507
Ion Ratio Lower Upper
62 100
98 7.6 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 1.878 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :
MSVOA_V
ClientSampleId :

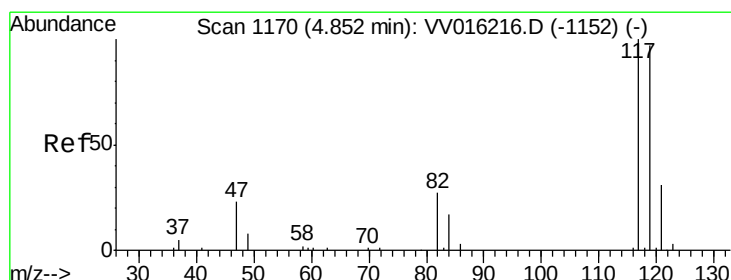
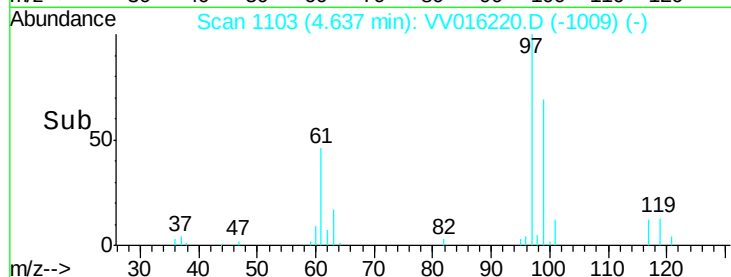
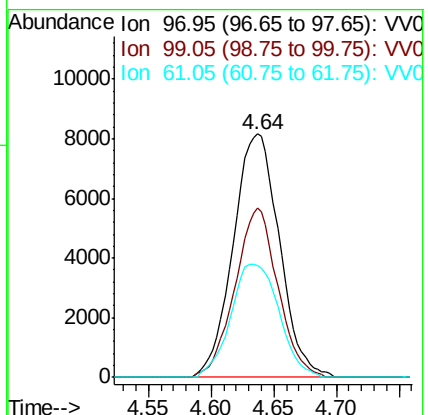
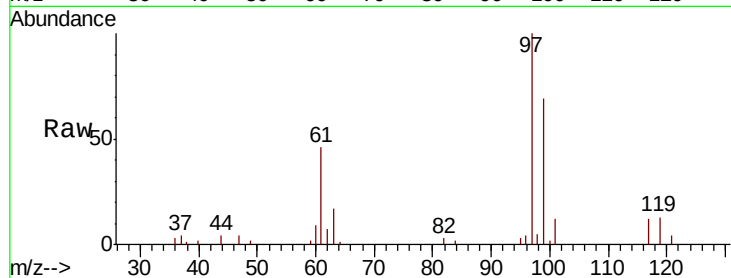
Tot Ion: 97 Resp: 20924

Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 48.5 38.6 57.8



#31

Carbon tetrachloride

Concen: 2.886 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016220.D

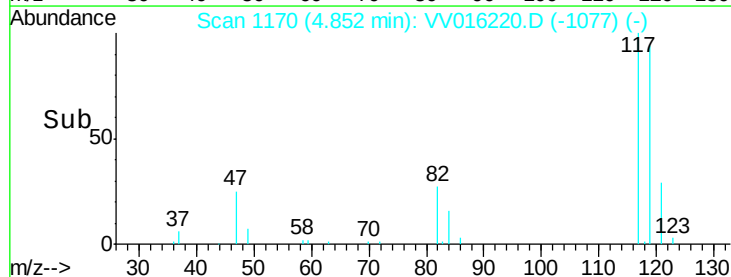
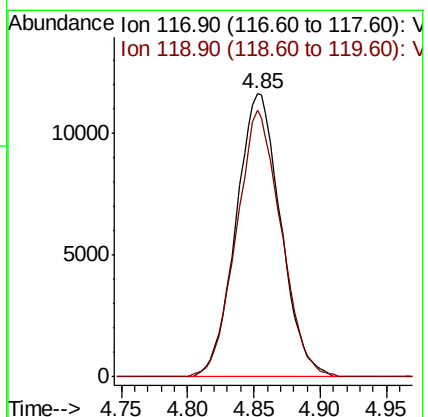
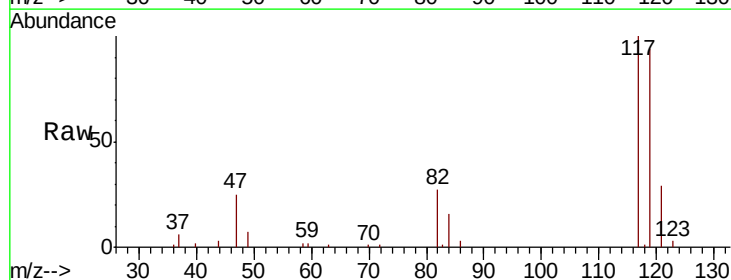
Acq: 27 May 2020 12:01

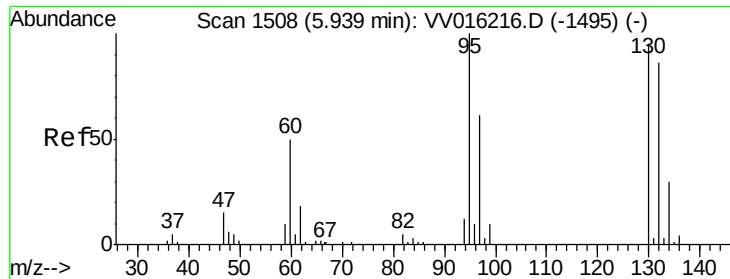
Tgt Ion: 117 Resp: 27249

Ion Ratio Lower Upper

117 100

119 94.2 75.2 112.8





#34

Trichloroethene

Concen: 2.162 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 15218

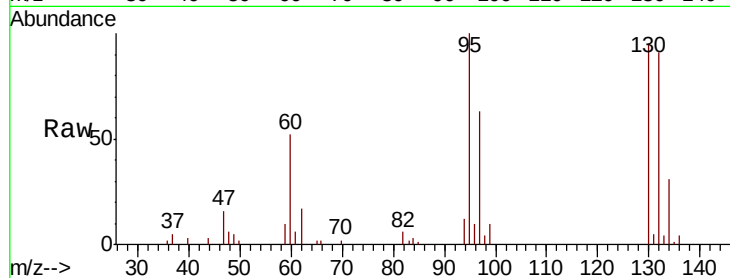
Ion Ratio Lower Upper

95 100

97 63.0 43.6 81.0

132 90.9 63.9 118.7

130 95.0 65.2 121.0

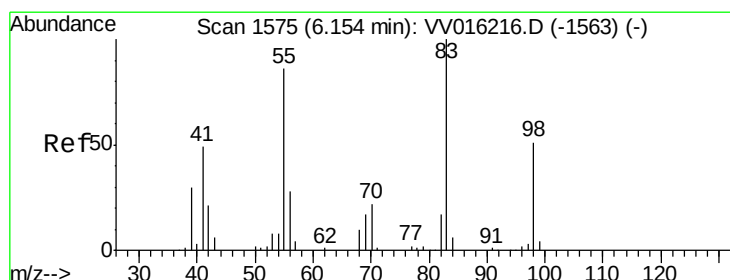
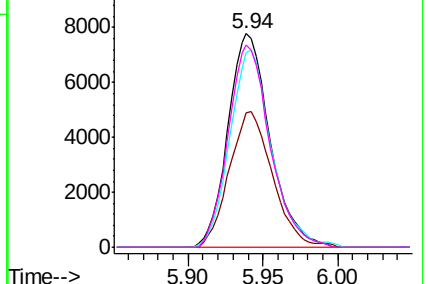
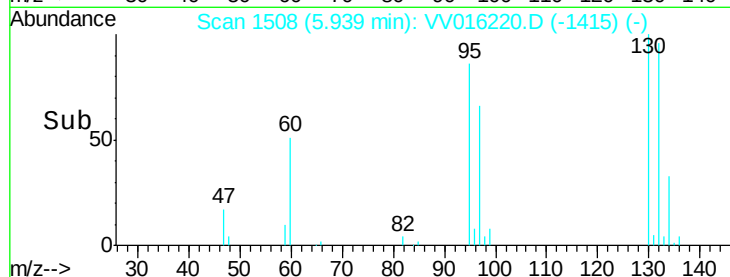


Abundance Ion 95.00 (94.70 to 95.70): VV016220.D (-1415) (-)

Ion 96.95 (96.65 to 97.65): VV016220.D (-1415) (-)

Ion 131.95 (131.65 to 132.65): VV016220.D (-1415) (-)

Ion 129.95 (129.65 to 130.65): VV016220.D (-1415) (-)



#35

Methylcyclohexane

Concen: 0.681 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

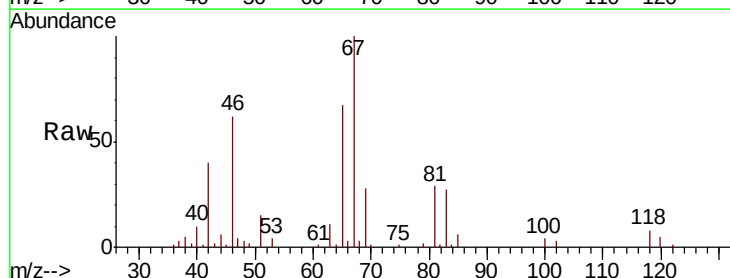
Tgt Ion: 83 Resp: 8088

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

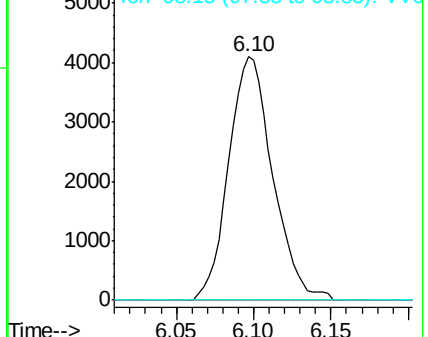
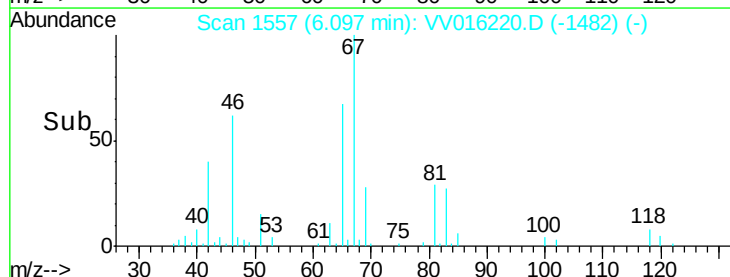
98 0.6 39.3 58.9#

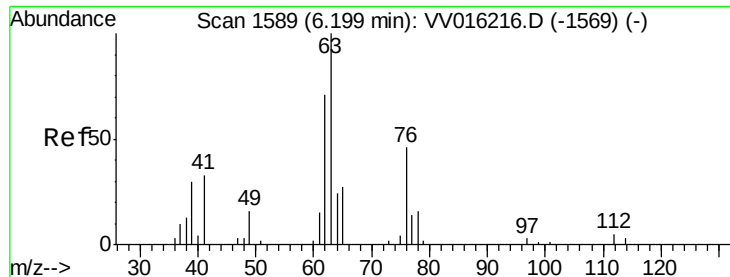


Abundance Ion 83.15 (82.85 to 83.85): VV016220.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV016220.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV016220.D (-1482) (-)

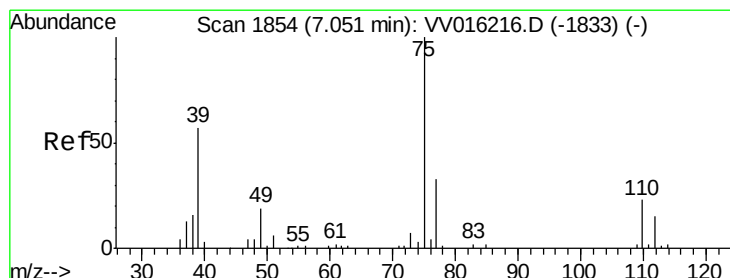
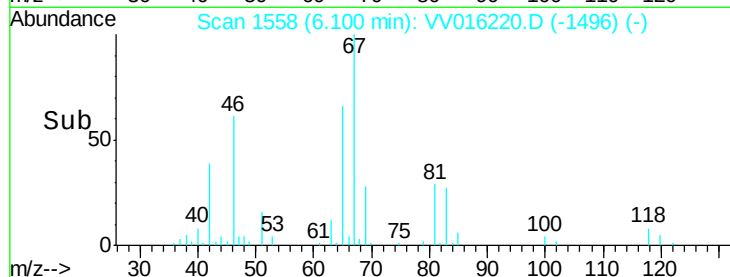
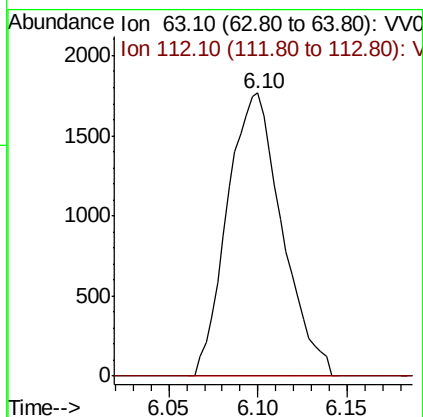
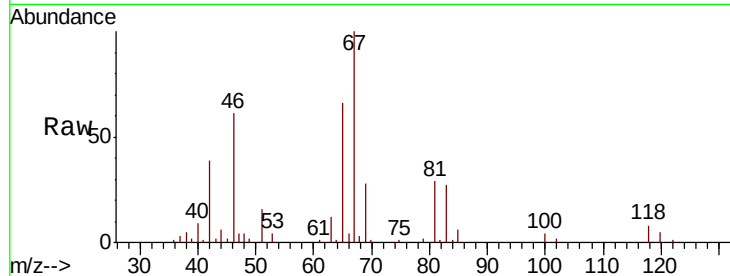




#37
 1,2-Dichloropropane
 Concen: 0.570 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

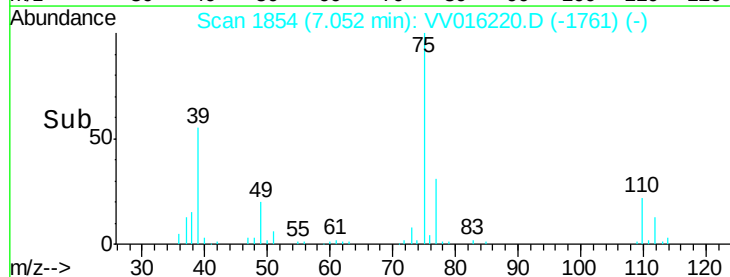
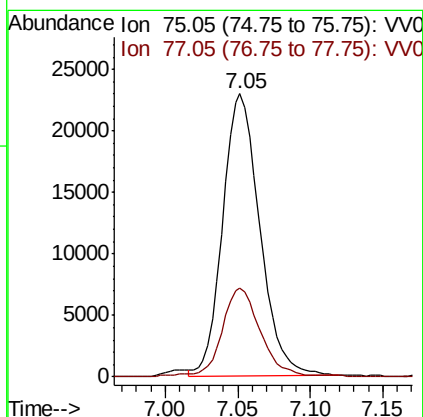
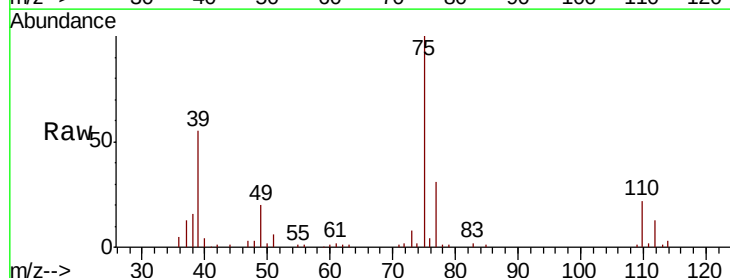
Instrument :
 MSVOA_V
 ClientSampleId :

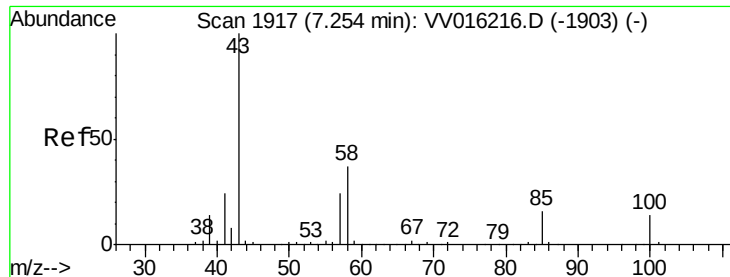
Tot Ion: 63 Resp: 3775
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 4.338 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

Tgt Ion: 75 Resp: 40705
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.7 40.3





#40

4-Methyl-2-pentanone

Concen: 55.790 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :
MSVOA_V
ClientSampleId :

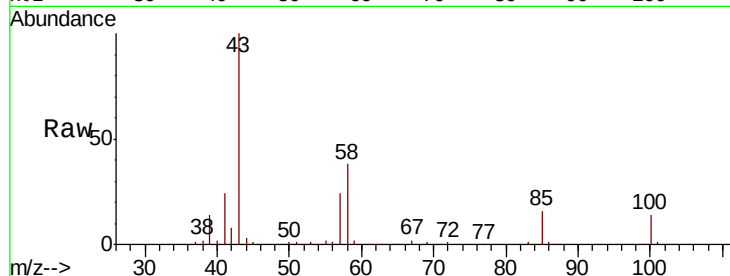
Tot Ion: 43 Resp: 229975

Ion Ratio Lower Upper

43 100

58 36.5 29.5 44.3

100 13.6 11.1 16.7



Abundance Ion 43.05 (42.75 to 43.75): VV016220.D (-1824) (-)

Ion 58.05 (57.75 to 58.75): VV016220.D (-1824) (-)

Ion 100.15 (99.85 to 100.85): VV016220.D (-1824) (-)

7.25

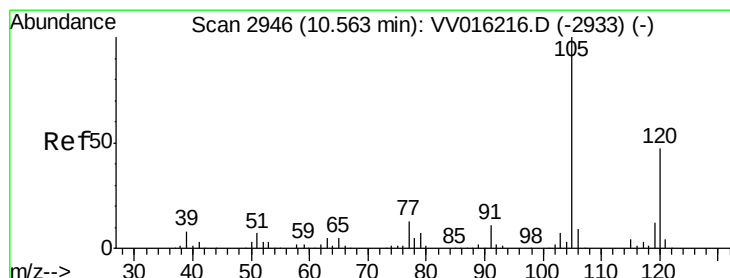
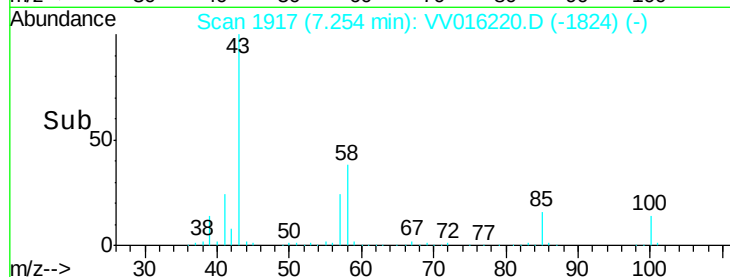
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 3.988 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.38 min

Lab File: VV016220.D

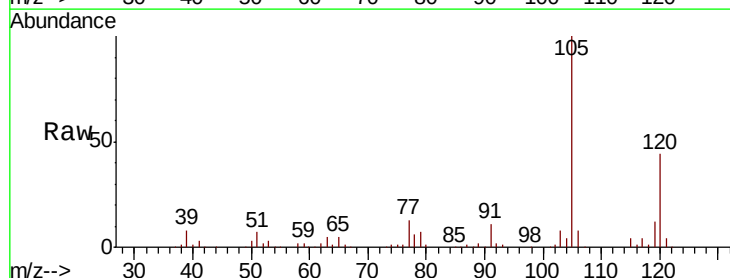
Acq: 27 May 2020 12:01

Tgt Ion: 105 Resp: 106967

Ion Ratio Lower Upper

105 100

120 43.8 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016220.D (-2324) (-)

Ion 120.00 (119.70 to 120.70): VV016220.D (-2324) (-)

10.94

80000

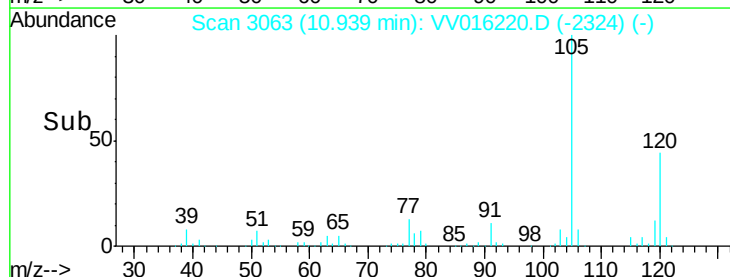
60000

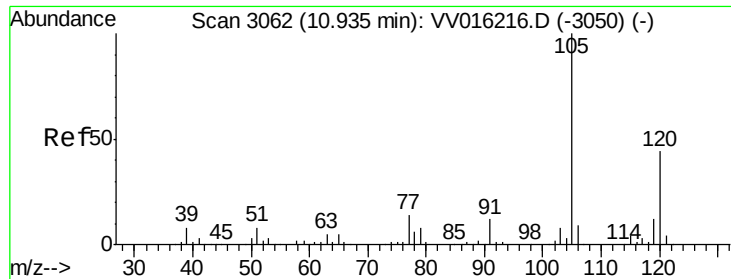
40000

20000

0

Time-->

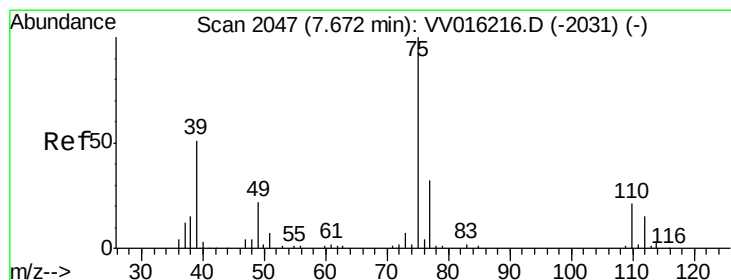
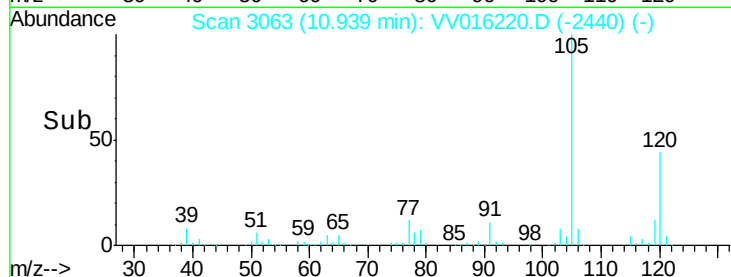
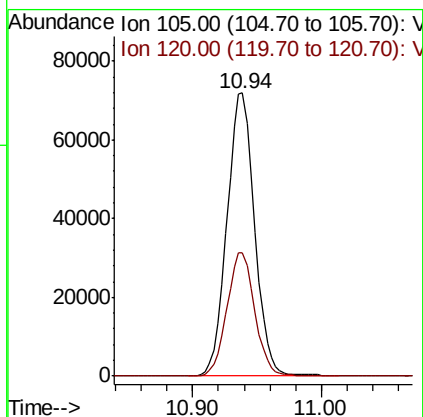
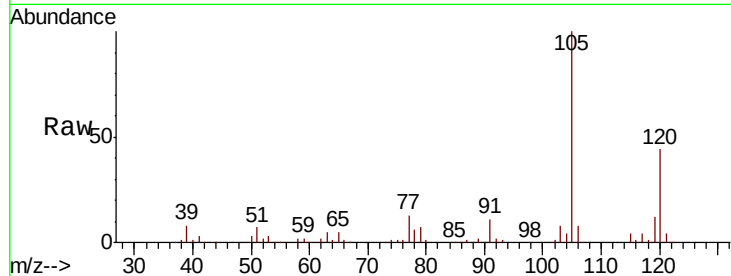




#44
1,2,4-Trimethylbenzene
Concen: 3.872 ug/L
RT: 10.94 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

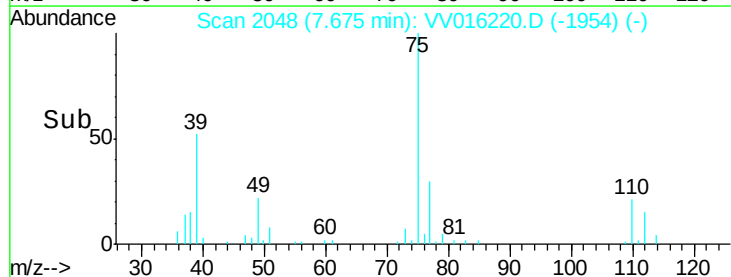
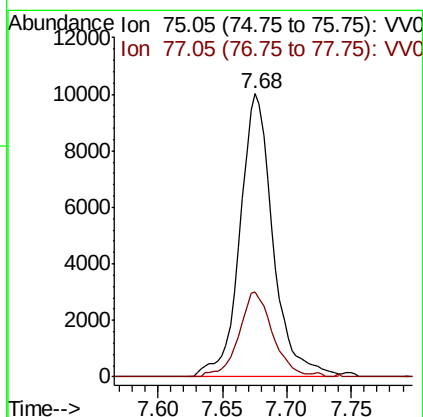
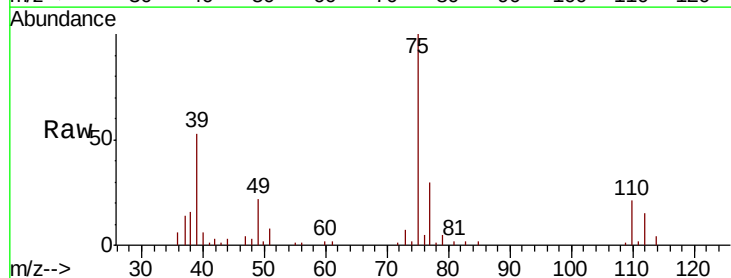
Instrument :
MSVOA_V
ClientSampleId :

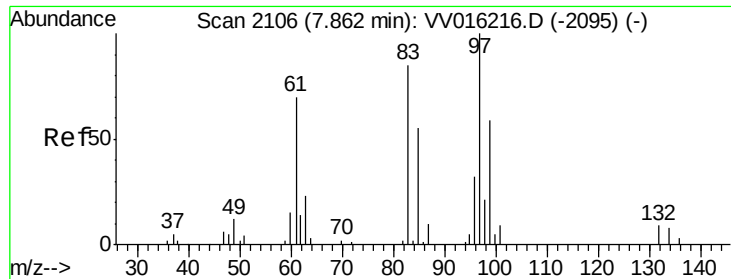
Tot Ion:105 Resp: 106967
Ion Ratio Lower Upper
105 100
120 43.8 34.6 52.0



#46
trans-1,3-Dichloropropene
Concen: 2.300 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

Tgt Ion: 75 Resp: 17931
Ion Ratio Lower Upper
75 100
77 29.9 21.7 40.3

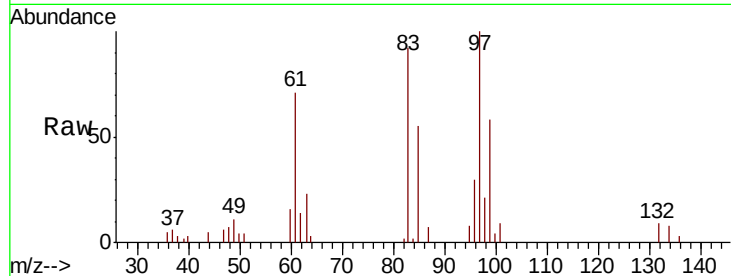




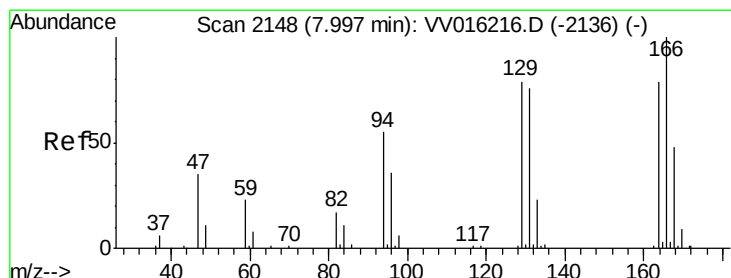
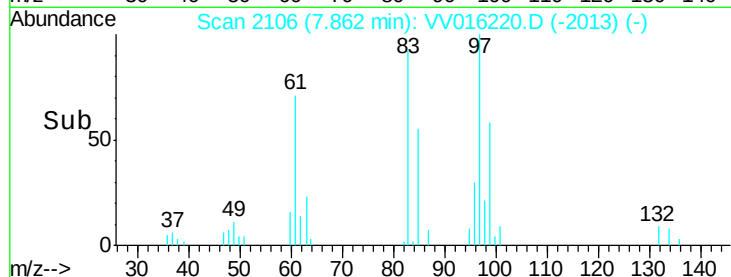
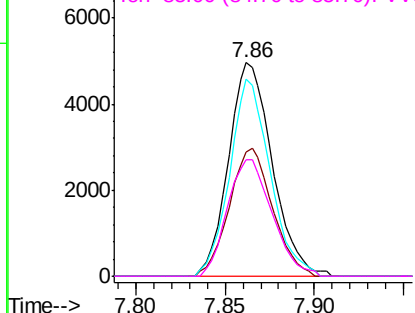
#47
 1,1,2-Trichloroethane
 Concen: 1.946 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	8480
Ion	Ratio	Lower	Upper
97	100		
99	58.4	40.8	75.8
83	92.1	60.0	111.4
85	54.7	39.3	73.1

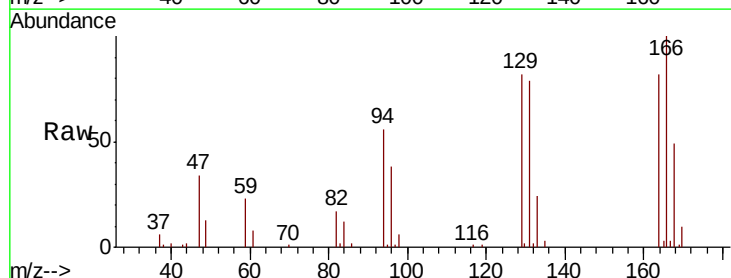


Abundance Ion 96.95 (96.65 to 97.65): VV016220.D (-2013) (-)
 Ion 99.05 (98.75 to 99.75): VV016220.D (-2013) (-)
 Ion 82.95 (82.65 to 83.65): VV016220.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016220.D (-2013) (-)

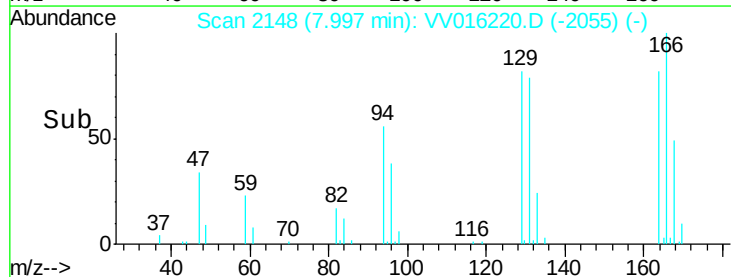
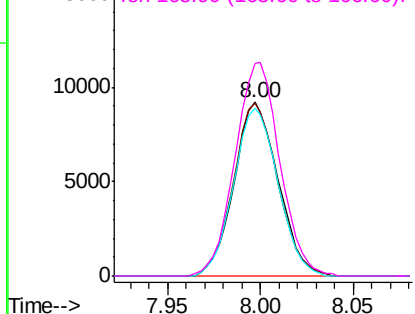


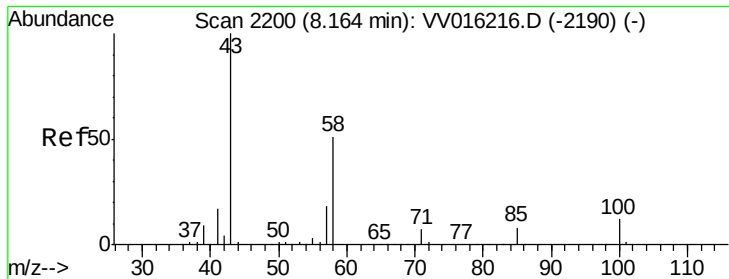
#49
 Tetrachloroethene
 Concen: 3.012 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

Tgt Ion:	164	Resp:	15218
Ion	Ratio	Lower	Upper
164	100		
129	99.4	70.7	131.3
131	96.5	66.6	123.8
166	121.9	86.9	161.5



Abundance Ion 163.90 (163.60 to 164.60): VV016220.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV016220.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV016220.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV016220.D (-2055) (-)

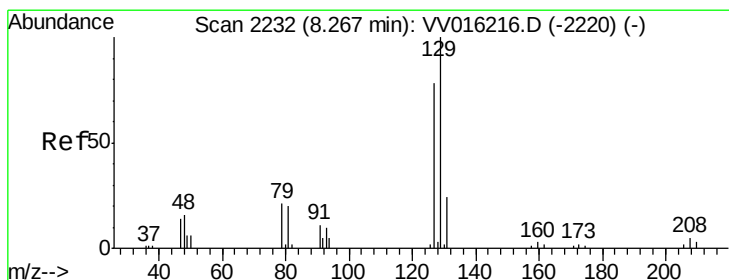
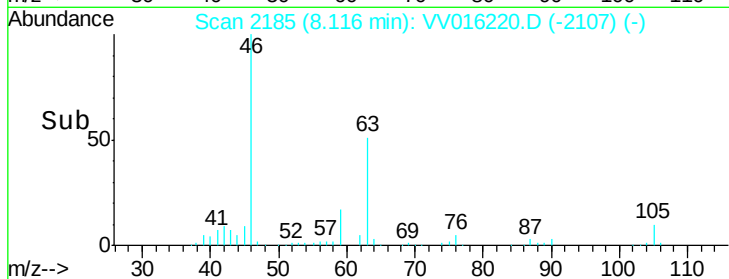
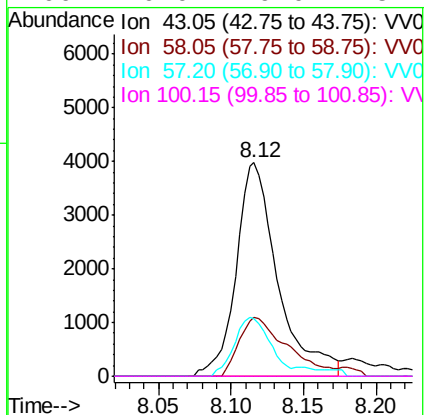
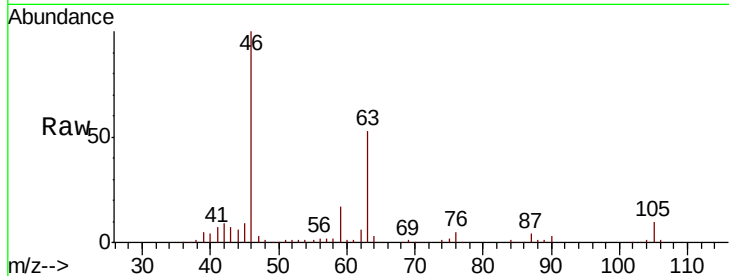




#50
2-Hexanone
Concen: 2.756 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

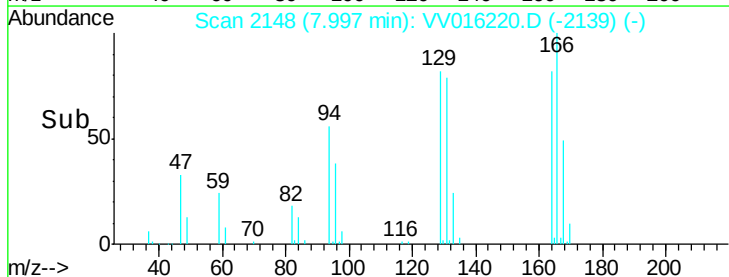
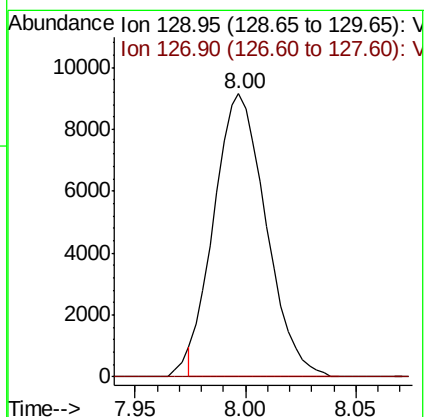
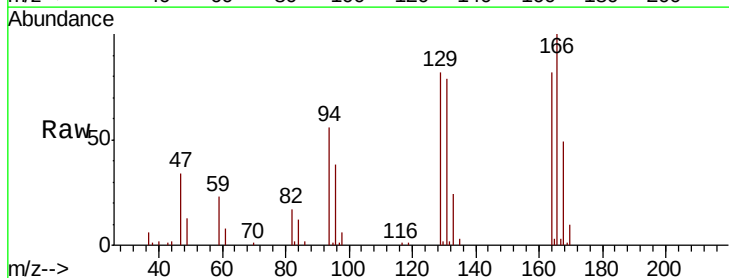
Instrument :
MSVOA_V
ClientSampleId :

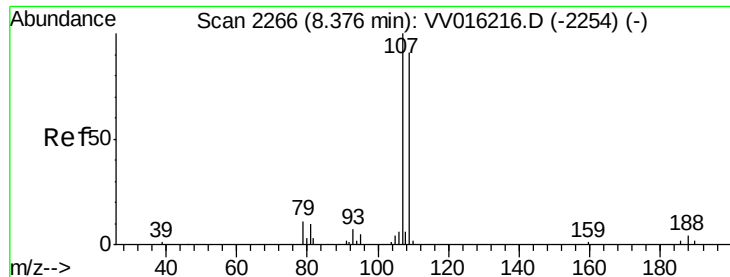
Tot Ion: 43 Resp: 7924
Ion Ratio Lower Upper
43 100
58 31.6 41.4 62.0#
57 23.8 15.0 22.4#
100 0.0 9.0 13.4#



#51
Dibromochloromethane
Concen: 3.221 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016220.D
Acq: 27 May 2020 12:01

Tgt Ion: 129 Resp: 14868
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#





#52

1,2-Dibromoethane

Concen: 4.714 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :

MSVOA_V

ClientSampleId :

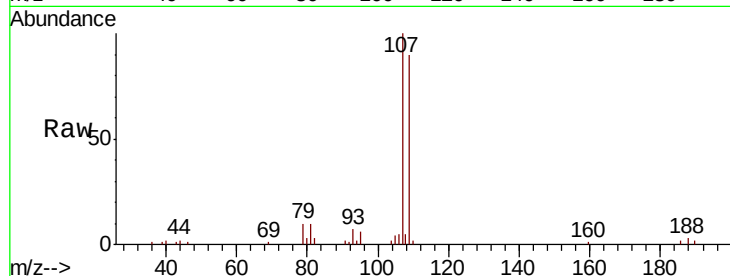
Tot Ion:107 Resp: 19302

Ion Ratio Lower Upper

107 100

109 89.6 63.1 117.3

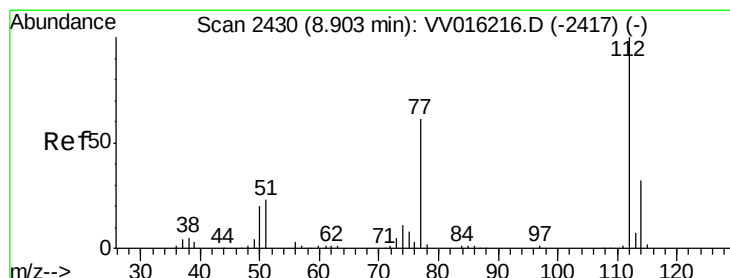
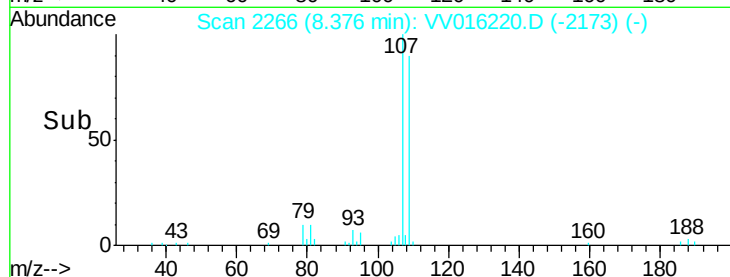
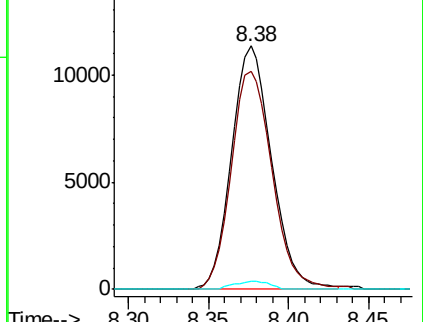
188 3.2 2.6 4.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.666 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

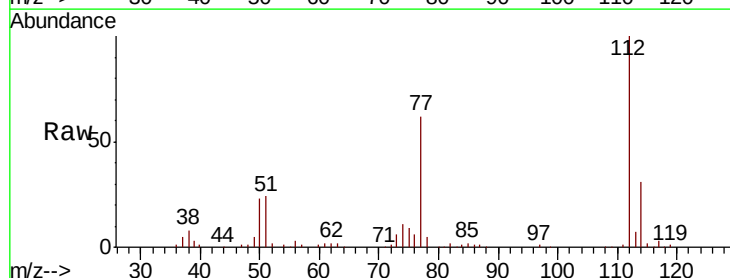
Tgt Ion:112 Resp: 103146

Ion Ratio Lower Upper

112 100

114 31.2 22.3 41.3

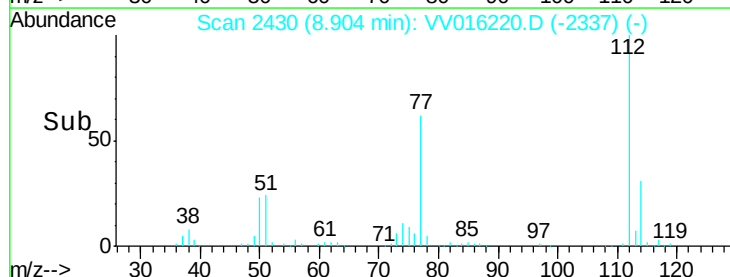
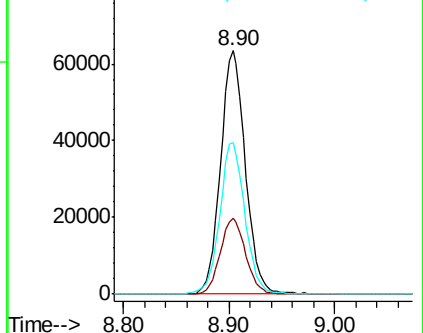
77 62.1 50.7 76.1

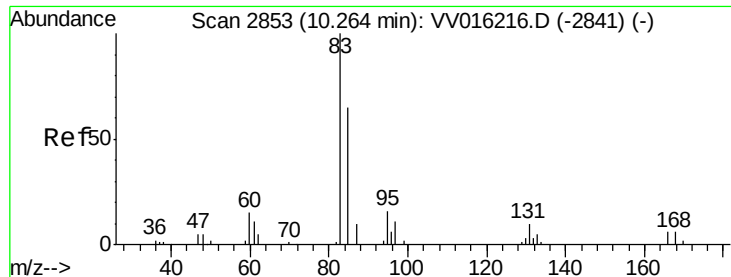


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 1.465 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :

MSVOA_V

ClientSampleId :

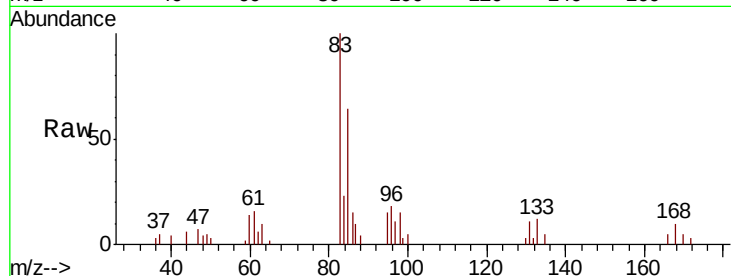
Tot Ion: 83 Resp: 7934

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8

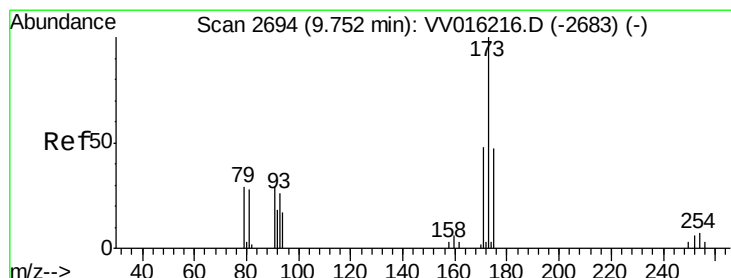
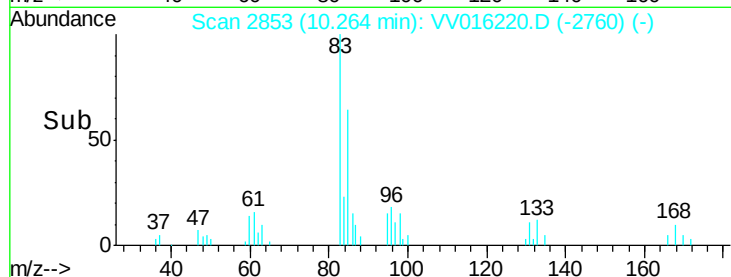
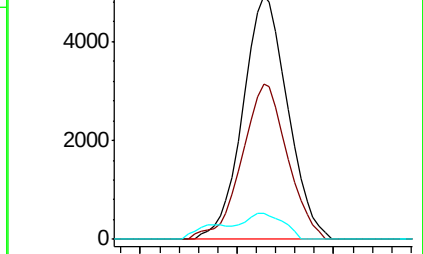
131 10.6 7.9 11.9



Abundance Ion 82.95 (82.65 to 83.65): VV016220.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016220.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV016220.D (-2760) (-)



#62

Bromoform

Concen: 2.695 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

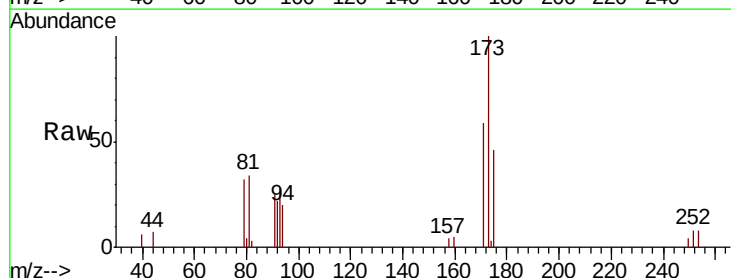
Tgt Ion: 173 Resp: 5306

Ion Ratio Lower Upper

173 100

175 50.4 38.6 58.0

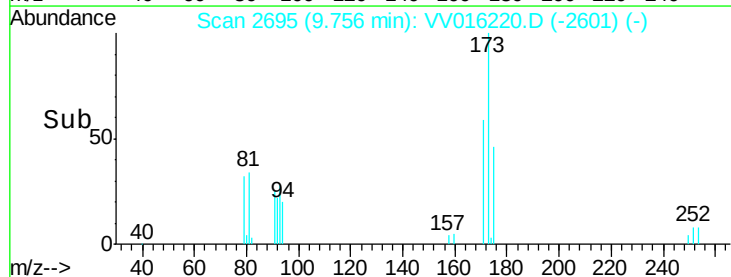
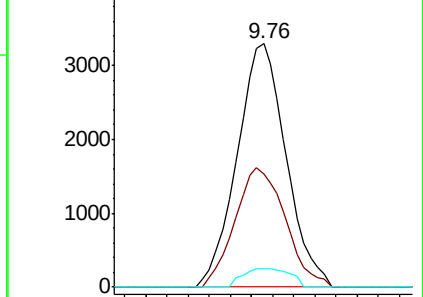
254 7.4 6.6 9.8

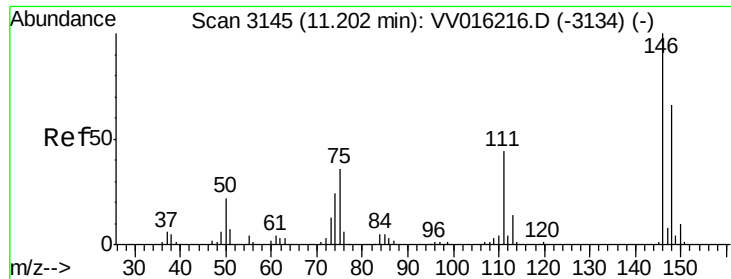


Abundance Ion 172.90 (172.60 to 173.60): VV016220.D (-2601) (-)

Ion 174.90 (174.60 to 175.60): VV016220.D (-2601) (-)

Ion 253.75 (253.45 to 254.45): VV016220.D (-2601) (-)

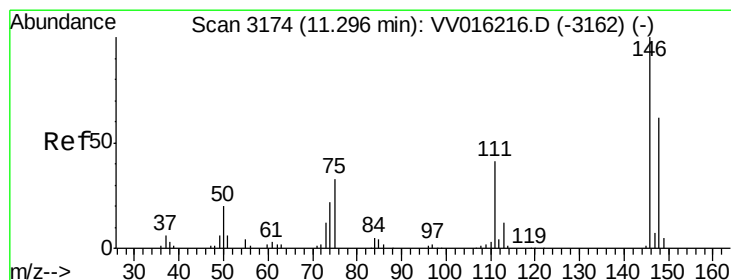
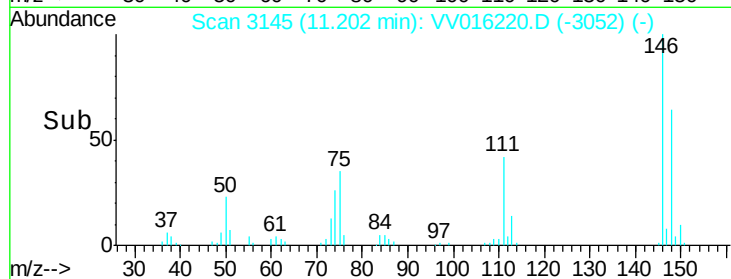
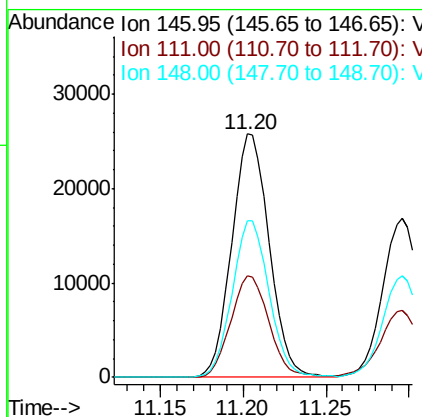
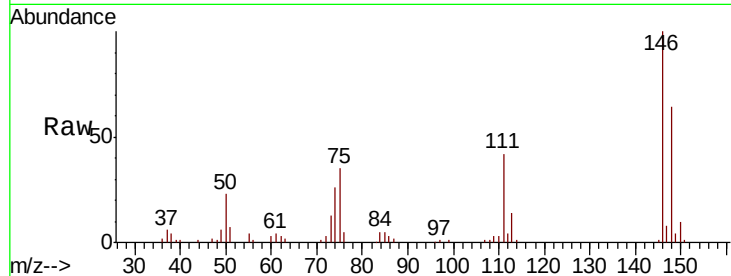




#63
 1,3-Dichlorobenzene
 Concen: 2.910 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

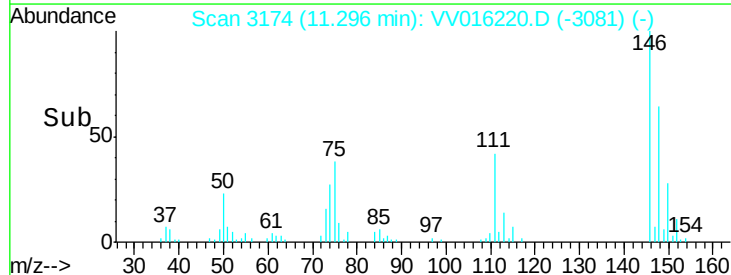
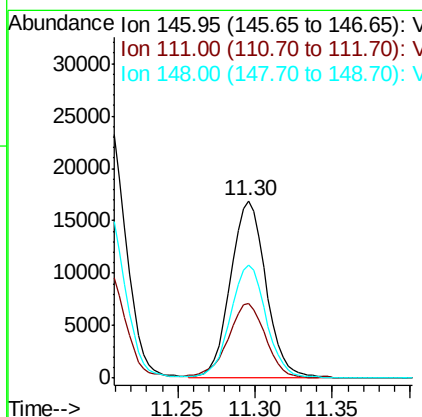
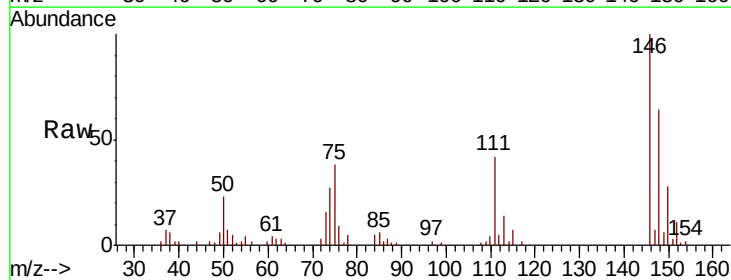
Instrument :
 MSVOA_V
 ClientSampleId :

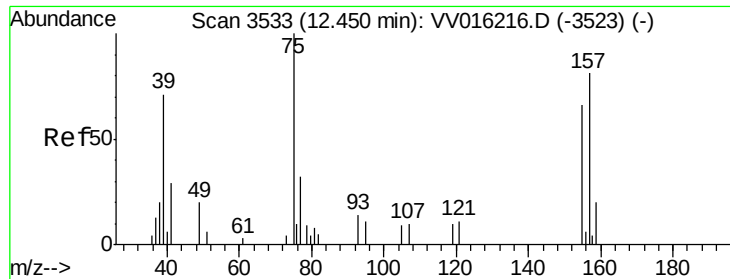
Tot Ion:146 Resp: 40661
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.7 55.1
 148 64.2 45.9 85.3



#64
 1,4-Dichlorobenzene
 Concen: 1.902 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

Tgt Ion:146 Resp: 26999
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.3 52.7
 148 64.0 43.3 80.3





#67

1,2-Dibromo-3-chloropropane

Concen: 11.733 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.22 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Instrument :

MSVOA_V

ClientSampleId :

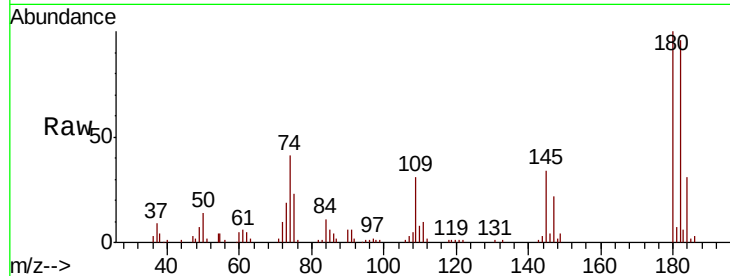
Tot Ion: 75 Resp: 10008

Ion Ratio Lower Upper

75 100

155 0.0 56.2 84.4#

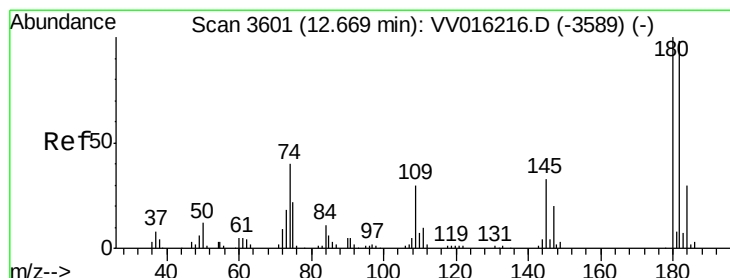
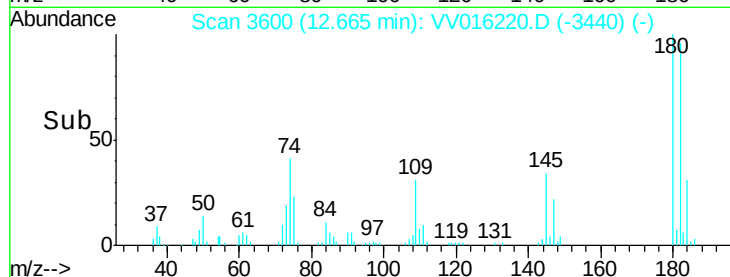
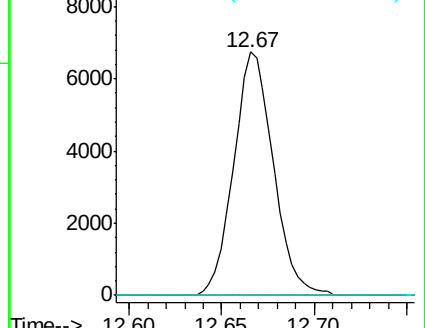
157 0.0 71.9 107.9#



Abundance Ion 75.05 (74.75 to 75.75): VV016220.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV016220.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV016220.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 4.686 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV016220.D

Acq: 27 May 2020 12:01

Tgt Ion: 180 Resp: 46328

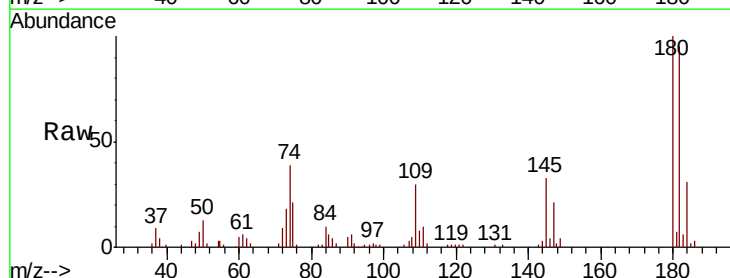
Ion Ratio Lower Upper

180 100

182 96.3 77.1 115.7

184 31.5 25.0 37.4

145 33.0 26.3 39.5

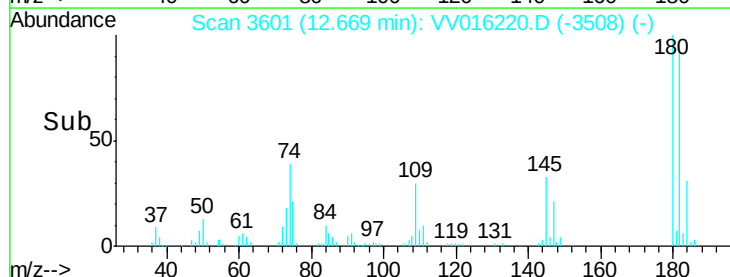
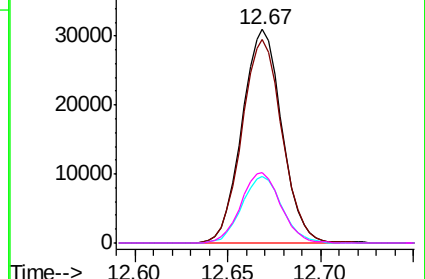


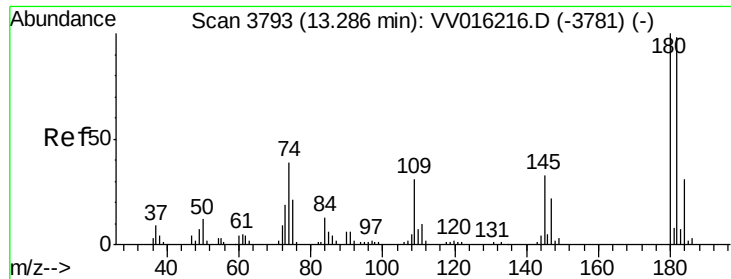
Abundance Ion 180.00 (179.70 to 180.70): VV016220.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV016220.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV016220.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV016220.D (-3508) (-)

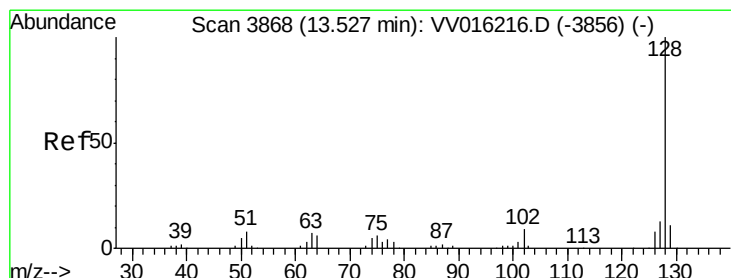
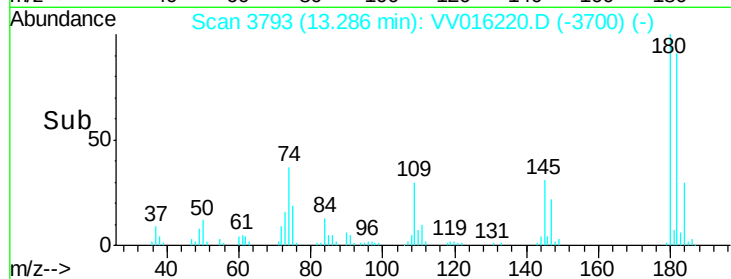
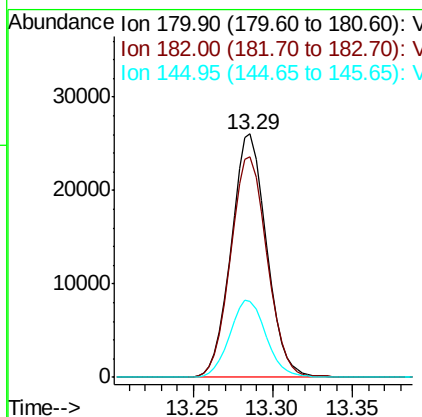
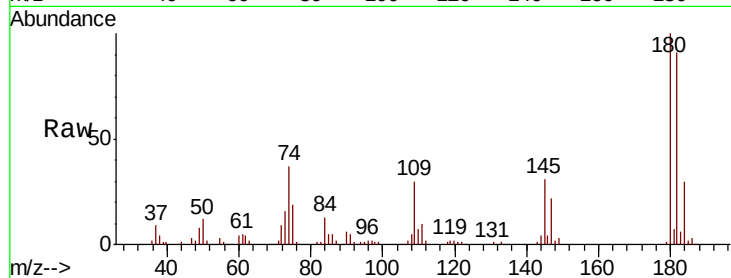




#69
 1,2,4-trichlorobenzene
 Concen: 4.512 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

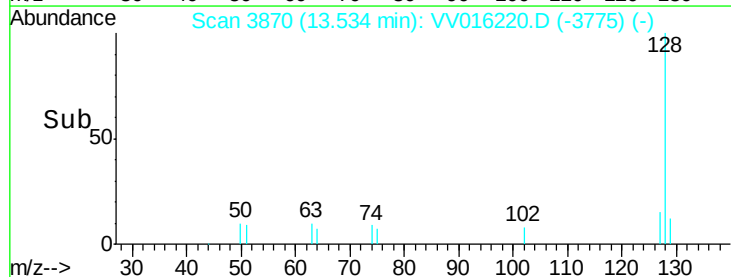
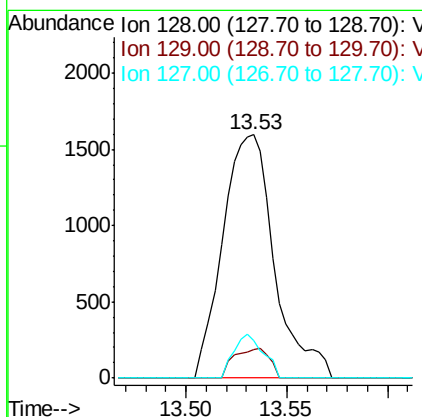
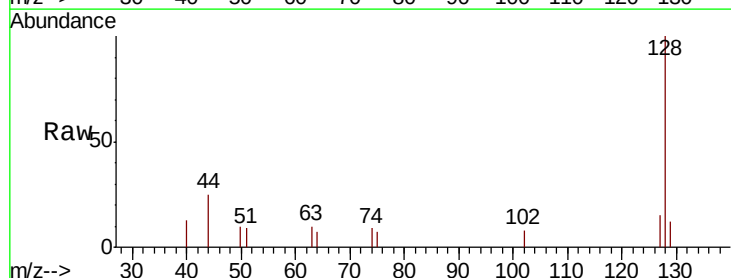
Instrument :
 MSVOA_V
 ClientSampleId :

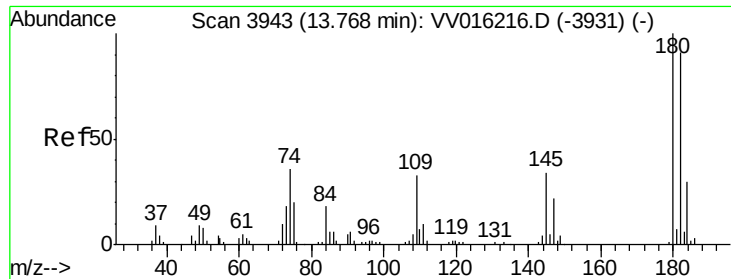
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.0	112.4
145	32.3	27.1	40.7



#70
 Naphthalene
 Concen: 0.150 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.5	8.6	13.0#
127	10.4	10.6	15.8#

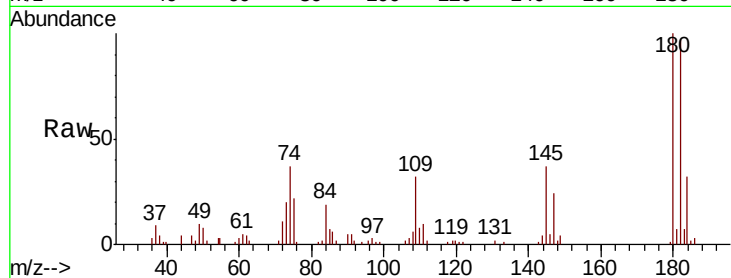




#71
 1,2,3-Trichlorobenzene
 Concen: 2.567 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016220.D
 Acq: 27 May 2020 12:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 20103
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.1 115.7
 145 35.7 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

