

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011121\
 Data File : VX020557.D
 Acq On : 11 Jan 2021 18:18
 Operator : JC/MD
 Sample : M1063-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 12 02:54:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

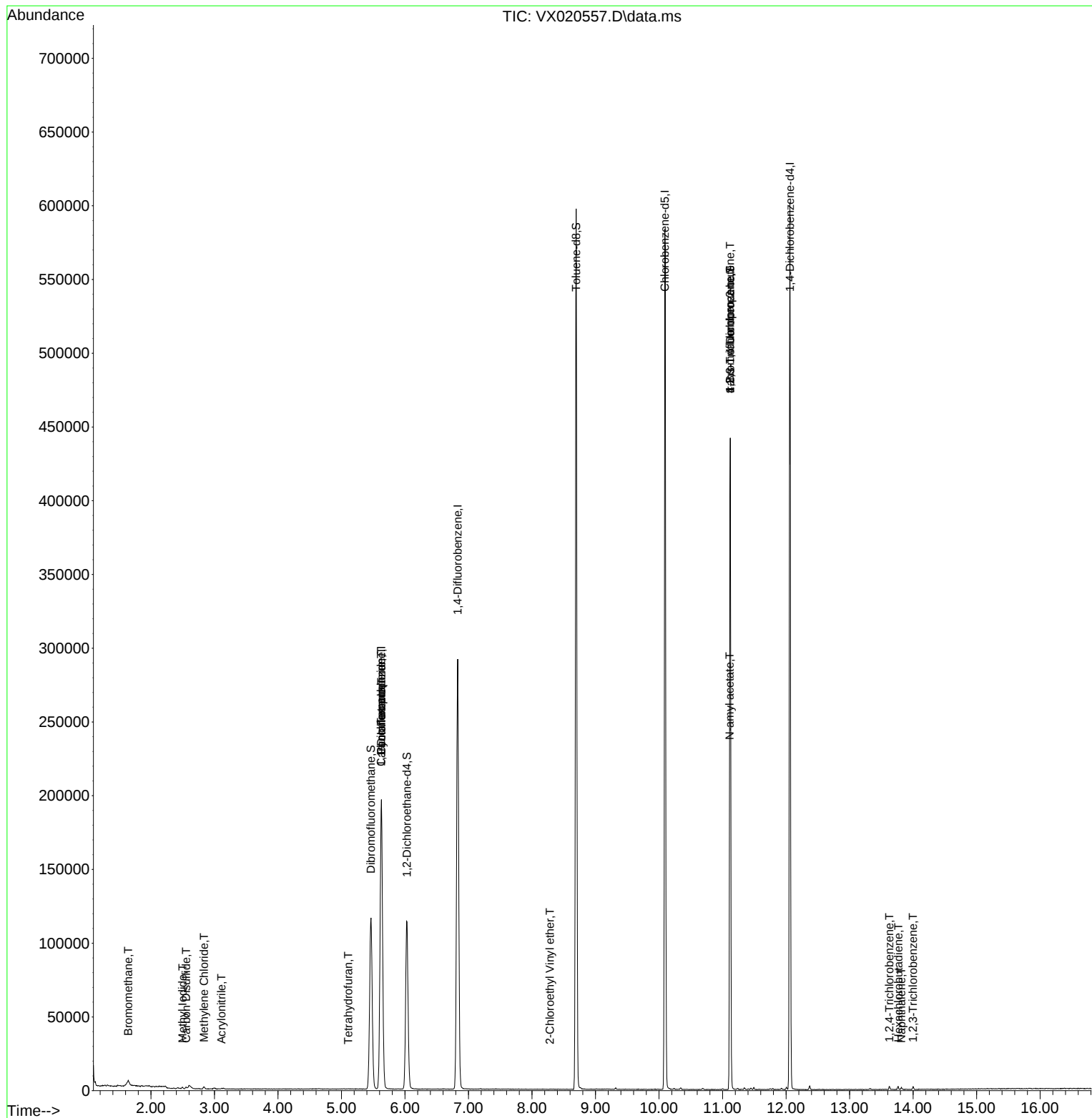
Internal Standards						
1) Pentafluorobenzene	5.629	168	188958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	299420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	285613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	128038	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	111295	49.04	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.08%
35) Dibromofluoromethane	5.464	113	101456	48.90	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.80%
50) Toluene-d8	8.695	98	356438	48.01	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.02%
62) 4-Bromofluorobenzene	11.122	95	123420	47.08	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.16%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	531	0.40	ug/l	95
10) Methyl Iodide	2.495	142	956	0.37	ug/l #	95
11) Tert butyl alcohol	2.995	59	386	Below Cal	#	73
15) Acrylonitrile	3.111	53	227	0.24	ug/l	92
16) Acetone	2.422	43	822	Below Cal	#	82
17) Carbon Disulfide	2.556	76	1427	0.29	ug/l #	95
20) Methylene Chloride	2.837	84	665	0.31	ug/l #	84
29) Tetrahydrofuran	5.105	42	155	0.21	ug/l #	62
31) Cyclohexane	5.629	56	3366	1.26	ug/l #	7
36) 1,1-Dichloropropene	5.623	75	13266	4.85	ug/l #	49
38) Carbon Tetrachloride	5.623	117	18198	5.70	ug/l #	17
58) 2-Chloroethyl Vinyl ether	8.281	63	19	4.58	ug/l #	45
74) N-amyl acetate	11.110	43	23	1.24	ug/l #	1
76) 1,2,3-Trichloropropane	11.122	75	55989	20.76	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	55989	56.56	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.627	180	682	0.25	ug/l	89
94) Hexachlorobutadiene	13.768	225	532	1.23	ug/l	89
95) Naphthalene	13.816	128	1191	3.96	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.999	180	596	0.21	ug/l	96

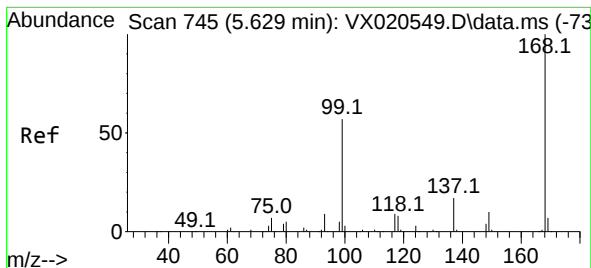
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 02:54:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.629 min Scan# 745

Delta R.T. -0.000 min

Lab File: VX020557.D

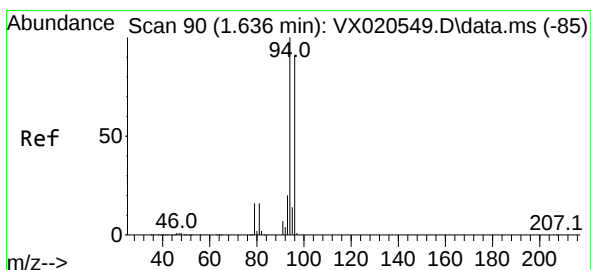
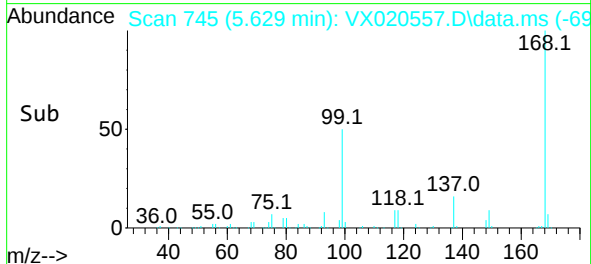
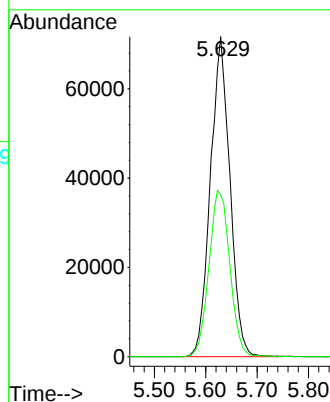
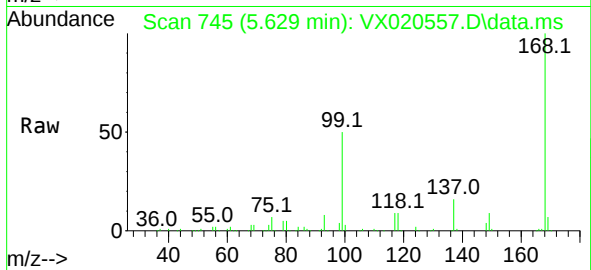
Acq: 11 Jan 2021 18:18

Tgt Ion:168 Resp: 188958

Ion Ratio Lower Upper

168 100

99 50.5 45.8 68.6



#5

Bromomethane

Concen: 0.40 ug/l

RT: 1.642 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX020557.D

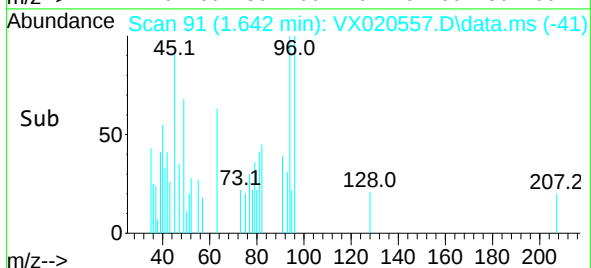
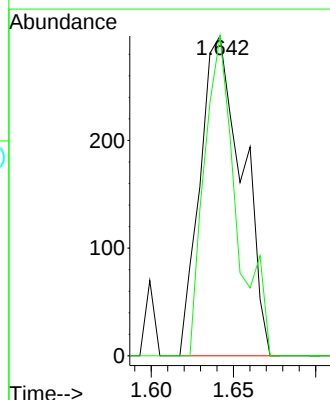
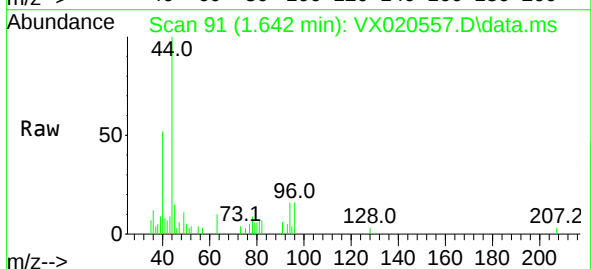
Acq: 11 Jan 2021 18:18

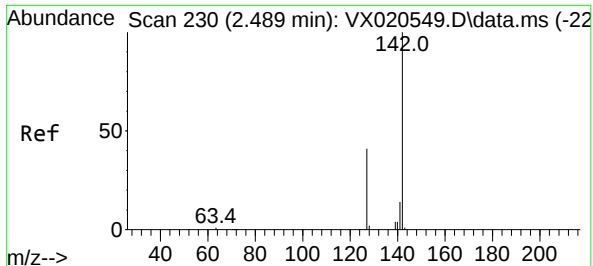
Tgt Ion: 94 Resp: 531

Ion Ratio Lower Upper

94 100

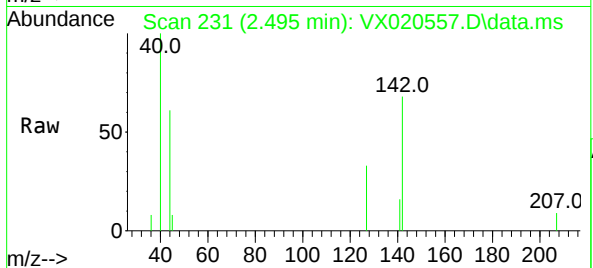
96 100.0 76.4 114.6



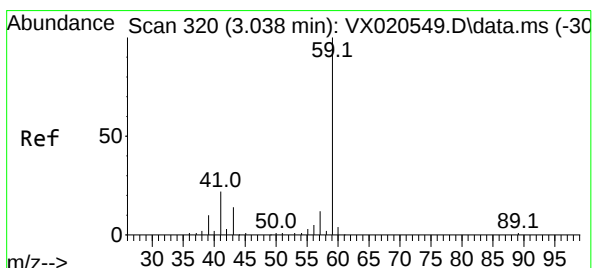
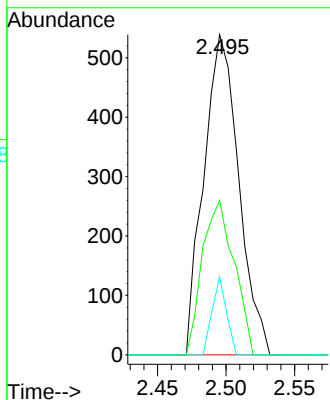
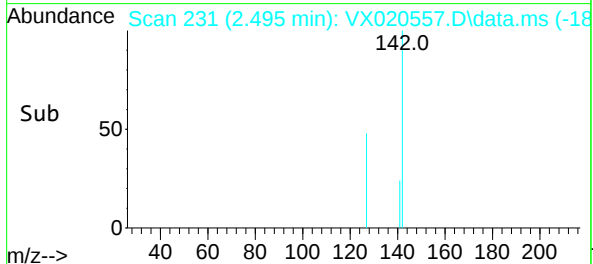


#10
Methyl Iodide
Concen: 0.37 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

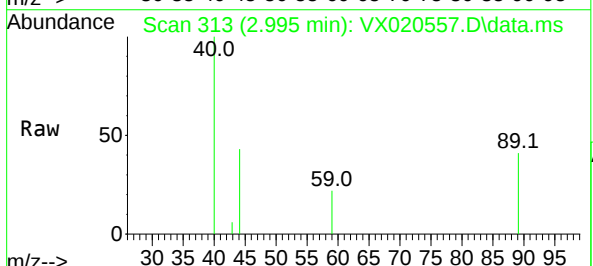
Instrument :
MSVOA_X
ClientSampled :



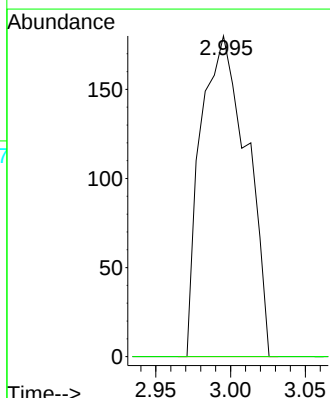
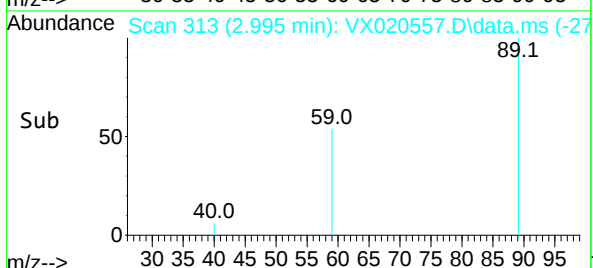
Tgt Ion:142 Resp: 956
Ion Ratio Lower Upper
142 100
127 43.7 33.3 49.9
141 9.8 11.4 17.0#

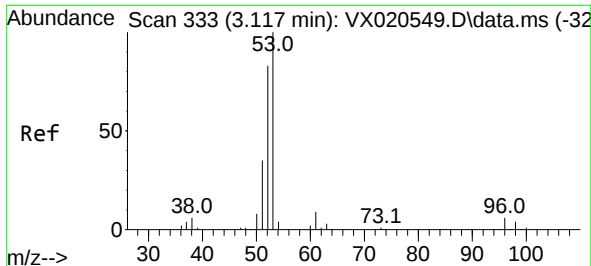


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.995 min Scan# 313
Delta R.T. -0.043 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18



Tgt Ion: 59 Resp: 386
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

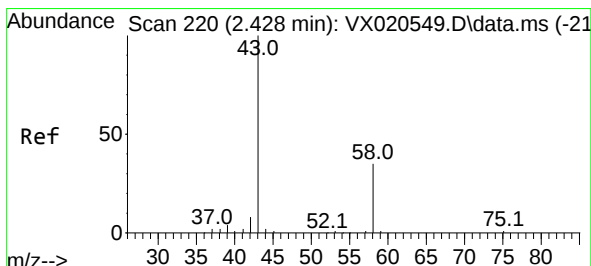
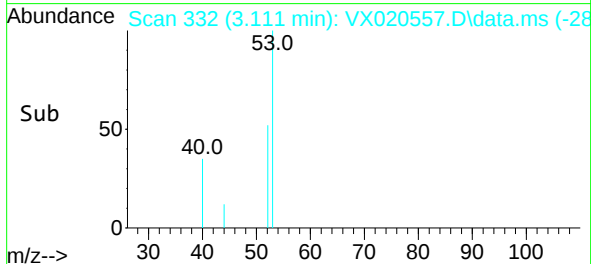
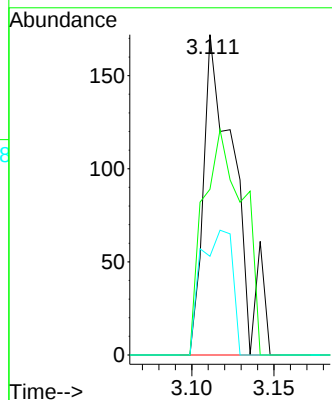
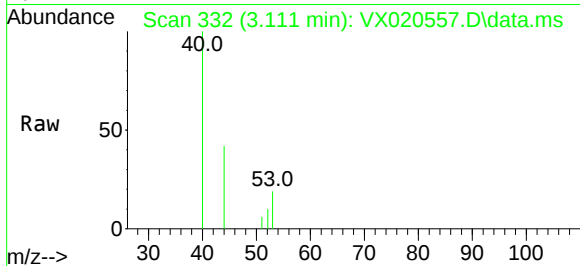




#15
Acrylonitrile
Concen: 0.24 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

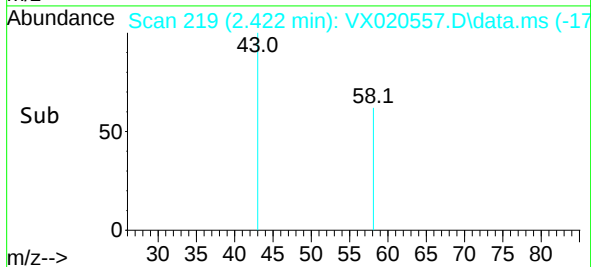
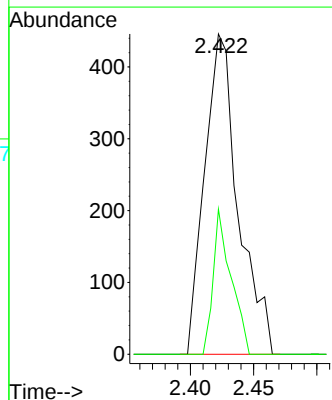
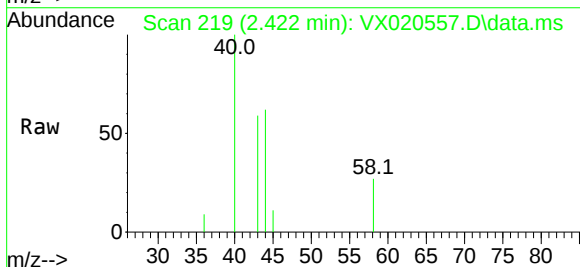
Instrument :
MSVOA_X
ClientSampled :

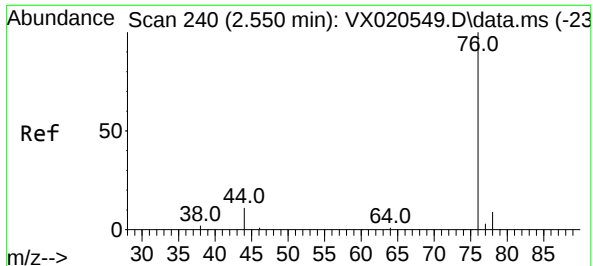
Tgt Ion: 53	Resp:	227
Ion	Ratio	Lower Upper
53	100	
52	89.4	65.3 97.9
51	39.2	28.2 42.2



#16
Acetone
Concen: Below Cal
RT: 2.422 min Scan# 219
Delta R.T. -0.006 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

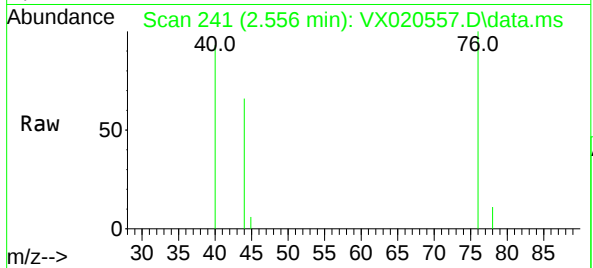
Tgt Ion: 43	Resp:	822
Ion	Ratio	Lower Upper
43	100	
58	45.3	27.8 41.8#



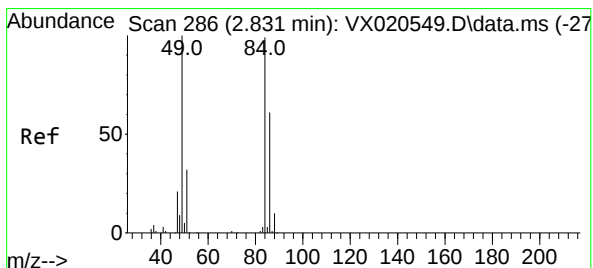
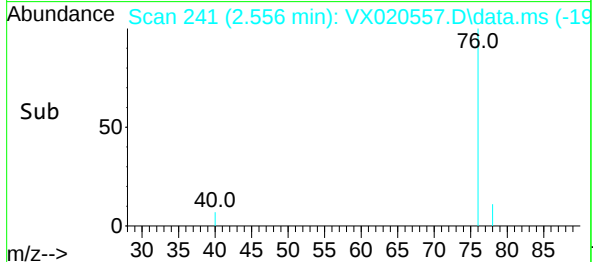
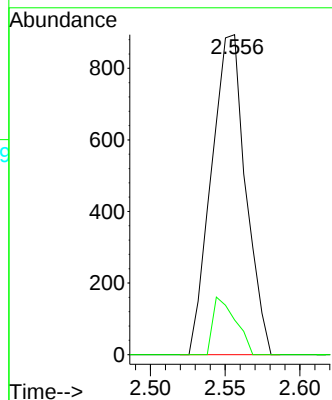


#17
Carbon Disulfide
Concen: 0.29 ug/l
RT: 2.556 min Scan# 241
Delta R.T. 0.006 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

Instrument :
MSVOA_X
ClientSampled :

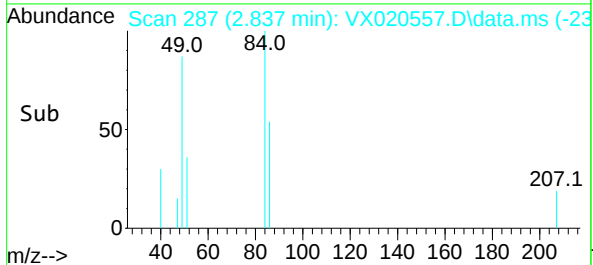
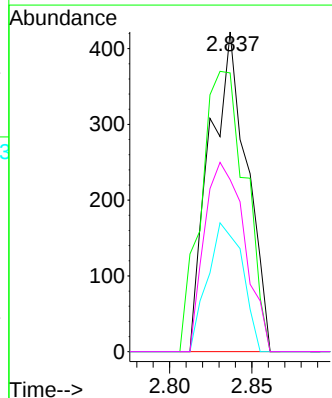
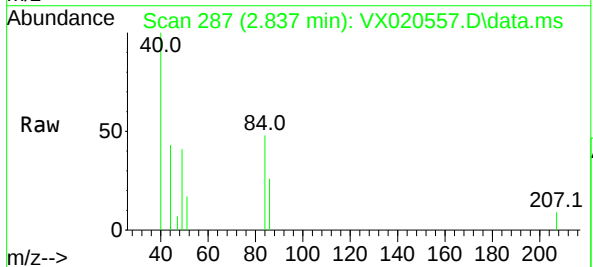


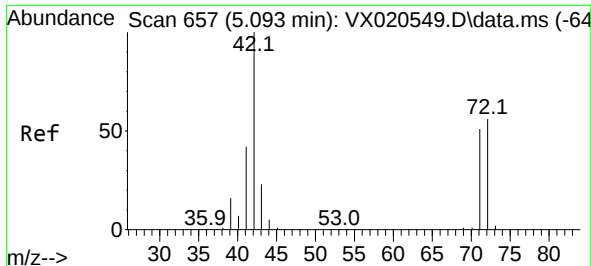
Tgt Ion: 76 Resp: 1427
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#



#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

Tgt Ion: 84 Resp: 665
Ion Ratio Lower Upper
84 100
49 87.2 88.6 132.8#
51 36.3 27.0 40.6
86 53.8 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.105 min Scan# 659

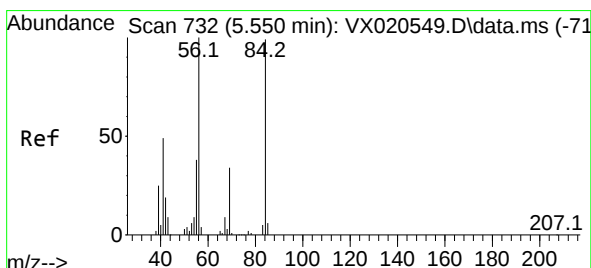
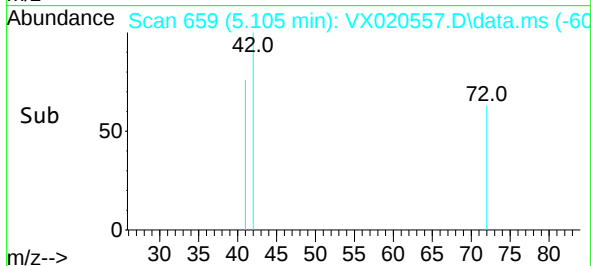
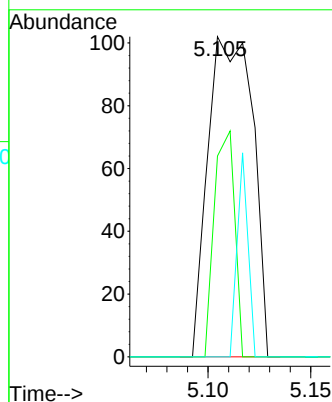
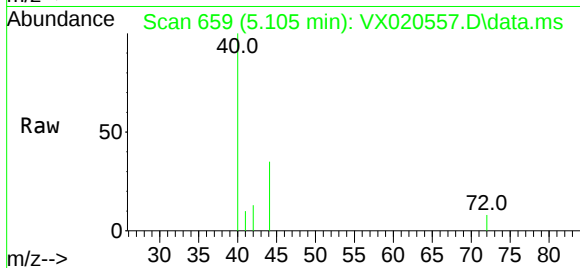
Delta R.T. 0.012 min

Lab File: VX020557.D

Acq: 11 Jan 2021 18:18

Tgt Ion:	42	Resp:	155
Ion	Ratio	Lower	Upper
42	100		
72	32.3	41.7	62.5#
71	15.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.26 ug/l

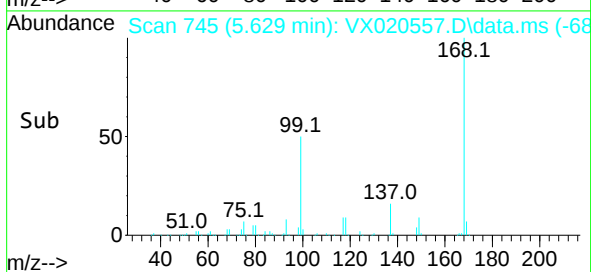
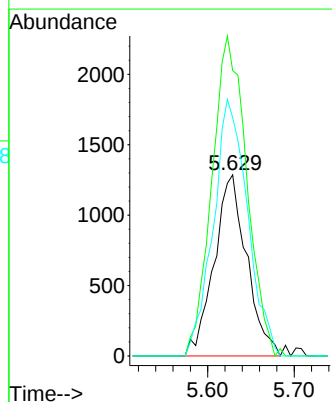
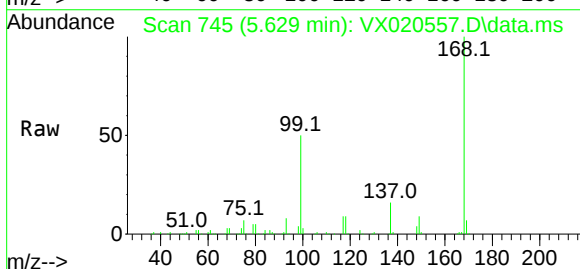
RT: 5.629 min Scan# 745

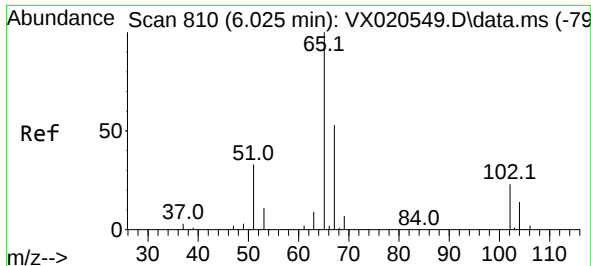
Delta R.T. 0.079 min

Lab File: VX020557.D

Acq: 11 Jan 2021 18:18

Tgt Ion:	56	Resp:	3366
Ion	Ratio	Lower	Upper
56	100		
69	157.4	25.3	37.9#
84	131.6	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.04 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020557.D

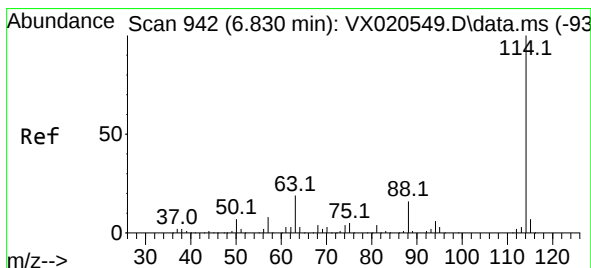
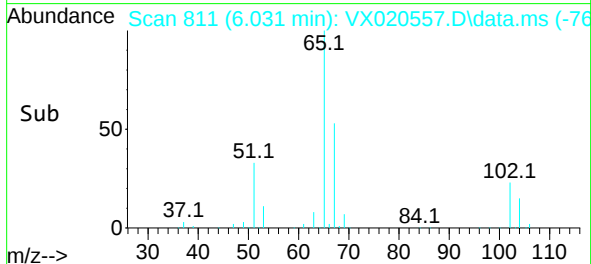
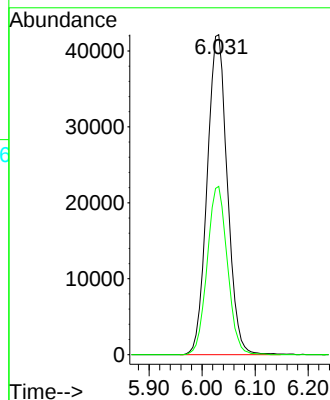
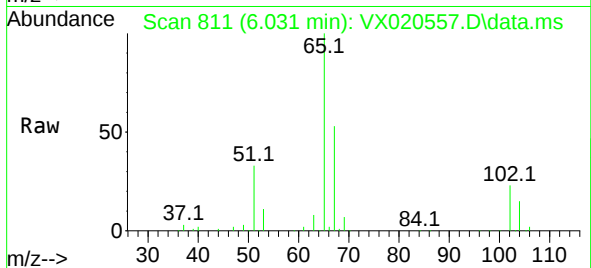
Acq: 11 Jan 2021 18:18

Tgt Ion: 65 Resp: 111295

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. -0.000 min

Lab File: VX020557.D

Acq: 11 Jan 2021 18:18

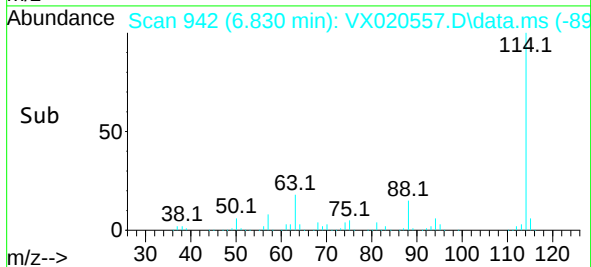
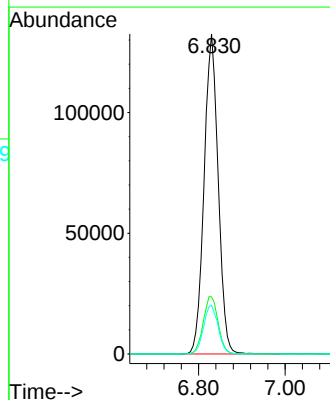
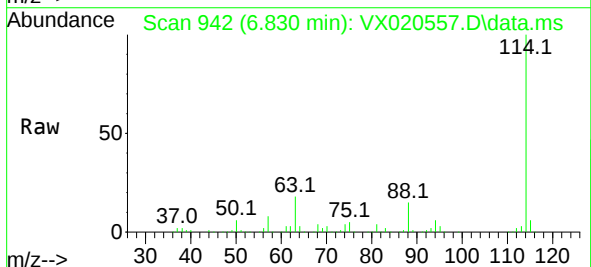
Tgt Ion: 114 Resp: 299420

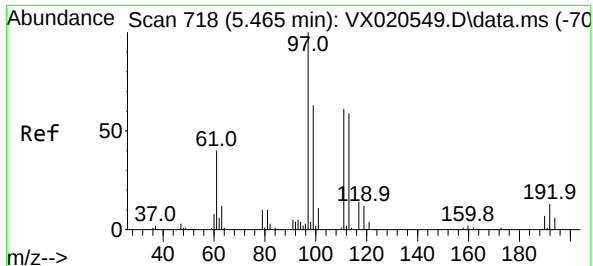
Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.8

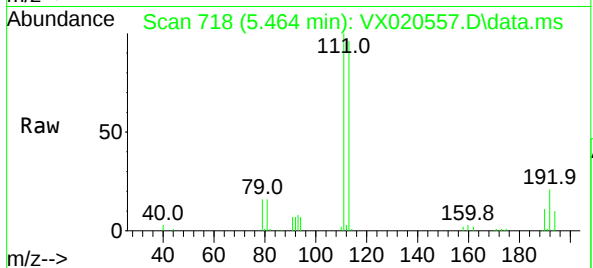
88 15.2 0.0 32.8



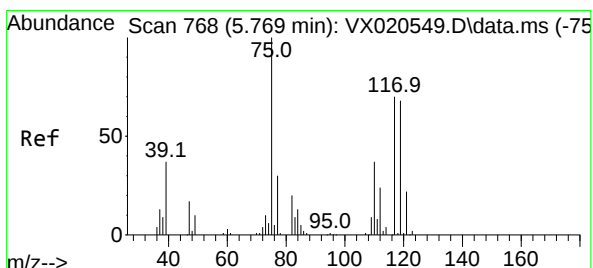
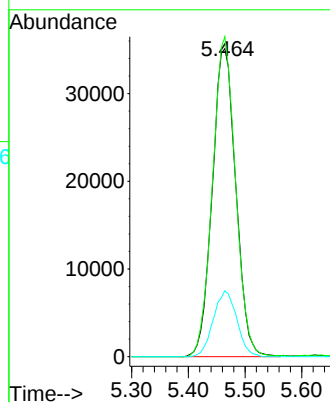
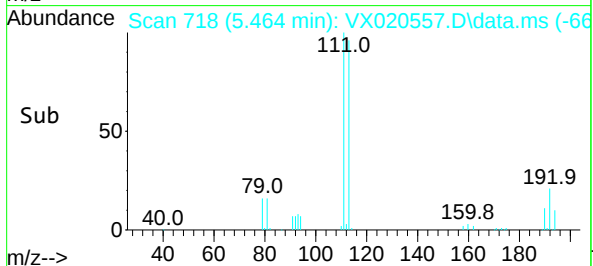


#35
Dibromofluoromethane
Concen: 48.90 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

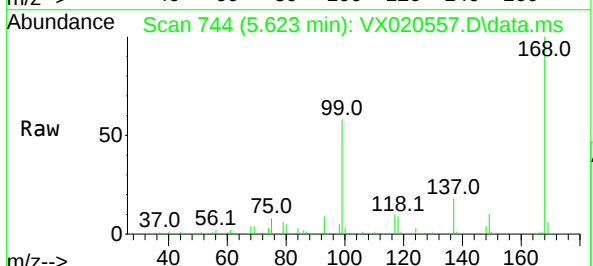
Instrument :
MSVOA_X
ClientSampleId :



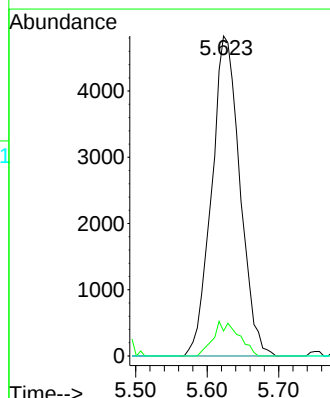
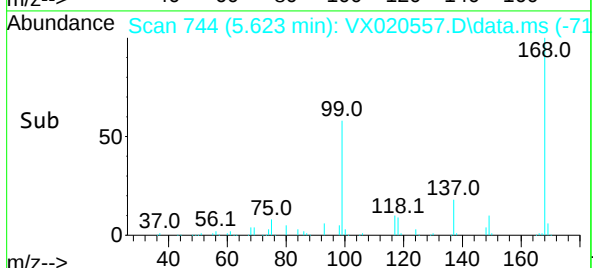
Tgt Ion:113 Resp: 101456
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 21.2 16.7 25.1

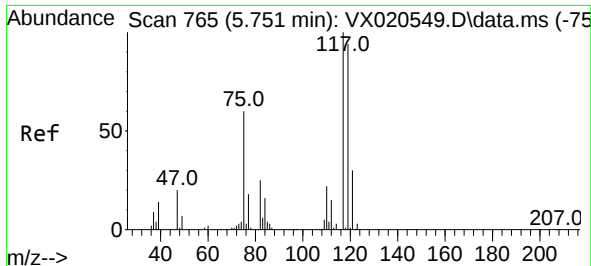


#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18



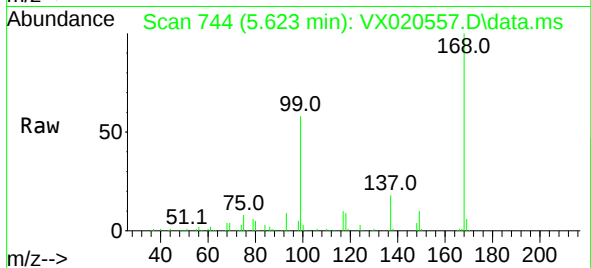
Tgt Ion: 75 Resp: 13266
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



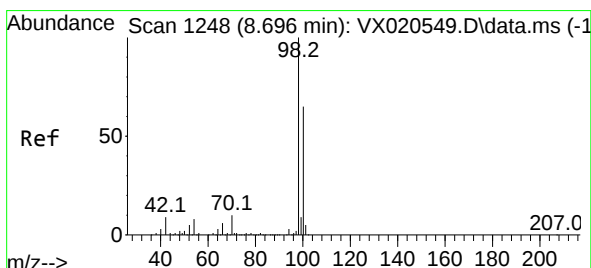
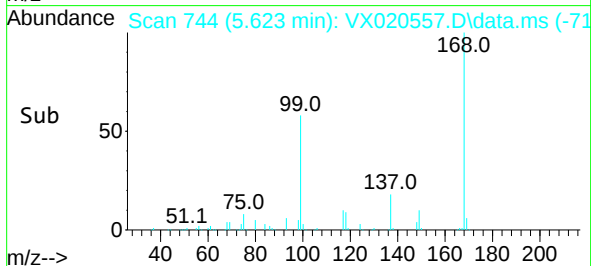
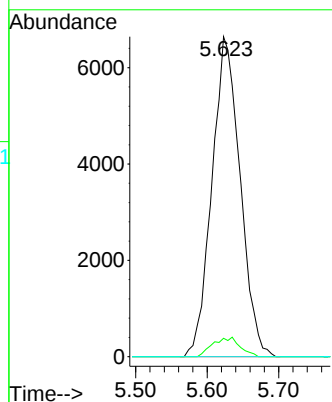


#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

Instrument :
MSVOA_X
ClientSampleId :

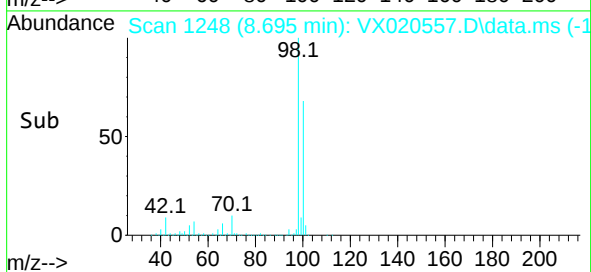
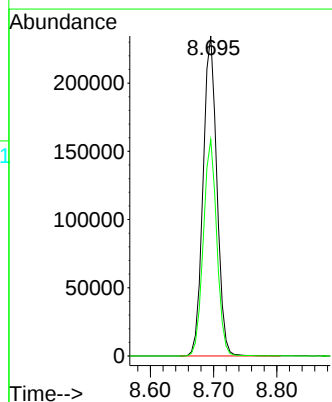
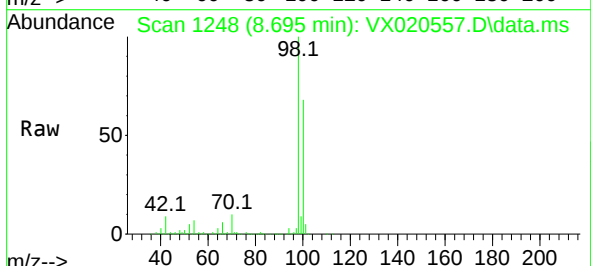


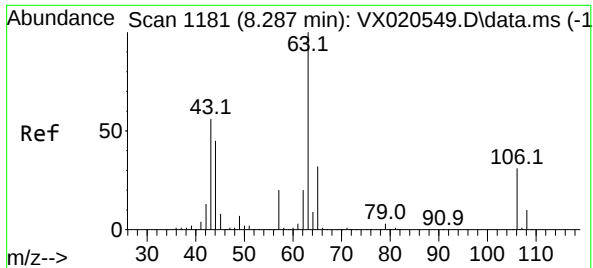
Tgt Ion: 117 Resp: 18198
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.01 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

Tgt Ion: 98 Resp: 356438
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9

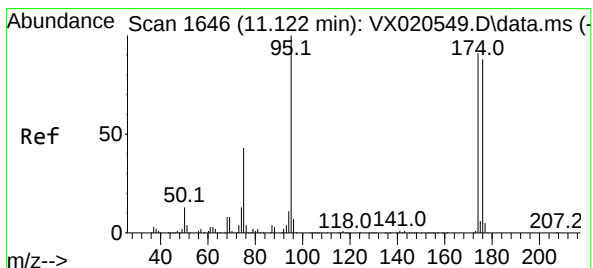
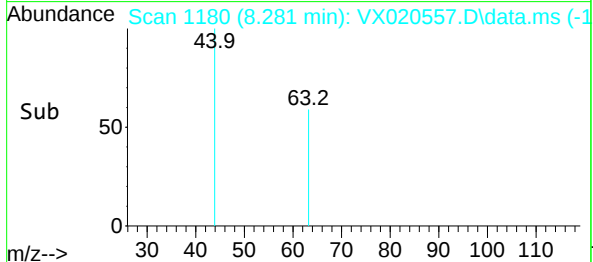
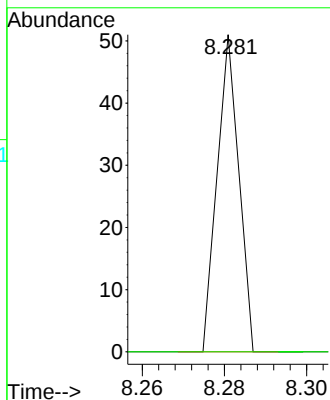
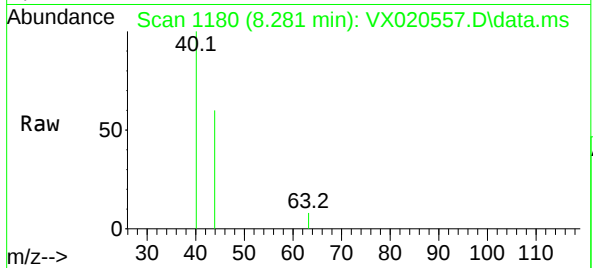




#58
2-Chloroethyl Vinyl ether
Concen: 4.58 ug/l
RT: 8.281 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

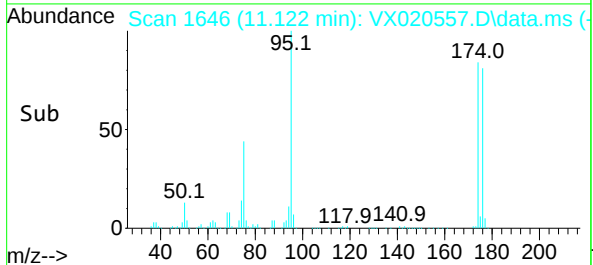
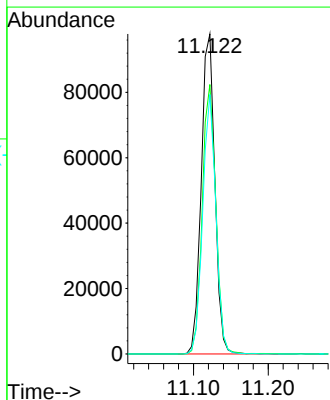
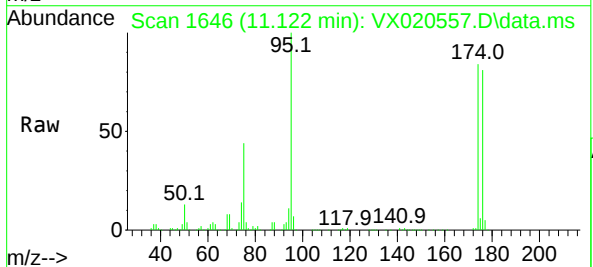
Instrument :
MSVOA_X
ClientSampled :

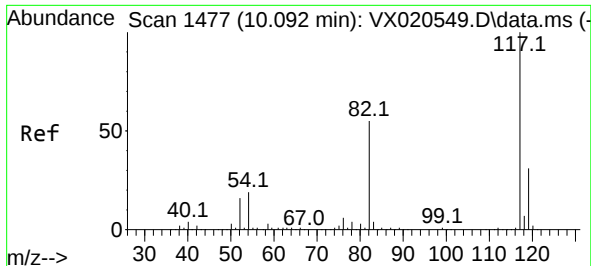
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 47.08 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

Tgt Ion: 95 Resp: 123420
Ion Ratio Lower Upper
95 100
174 84.0 0.0 154.6
176 78.8 0.0 155.8

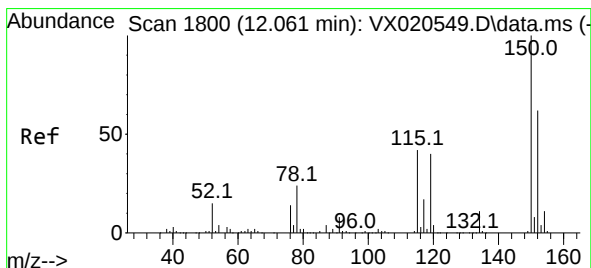
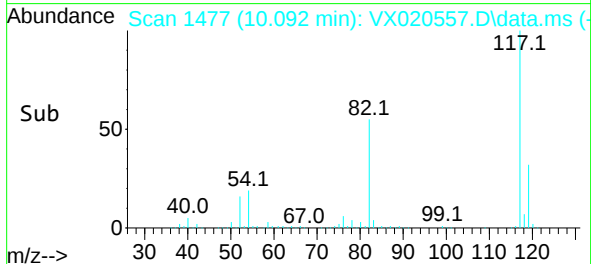
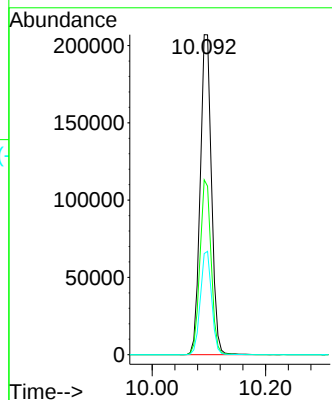
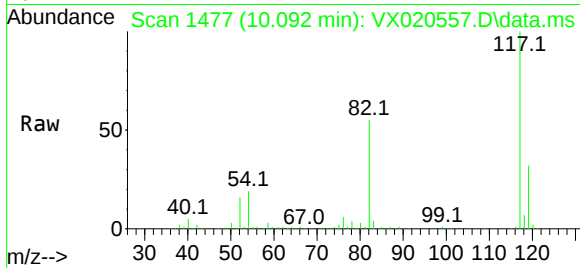




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

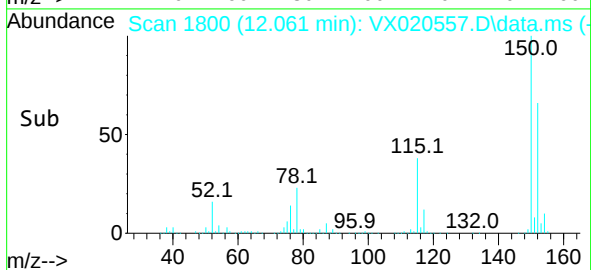
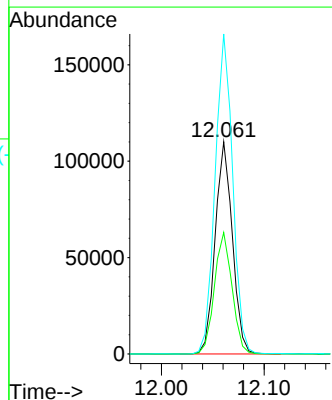
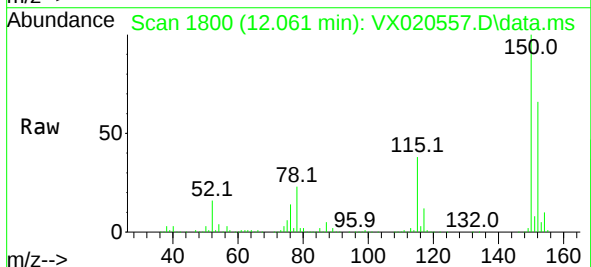
Instrument :
MSVOA_X
ClientSampleId :

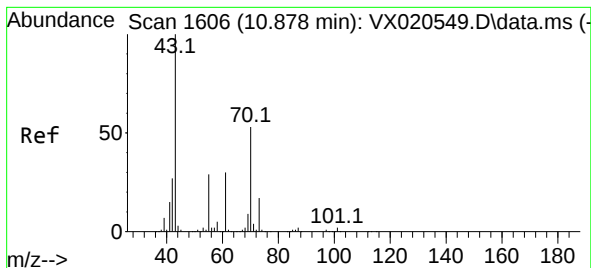
Tgt Ion:117 Resp: 285613
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

Tgt Ion:152 Resp: 128038
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 154.1 0.0 349.0

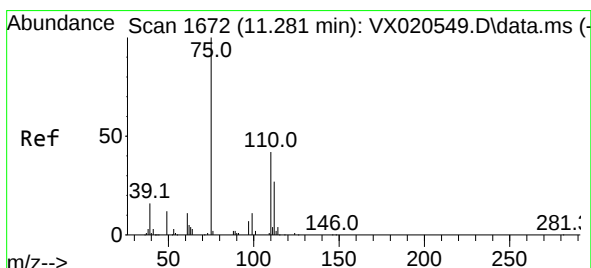
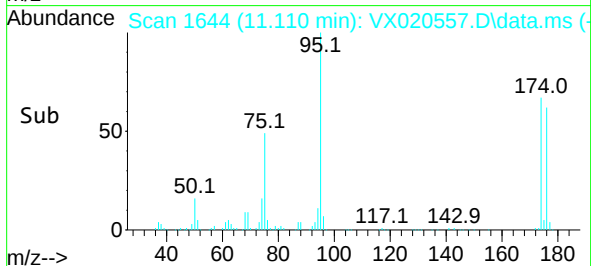
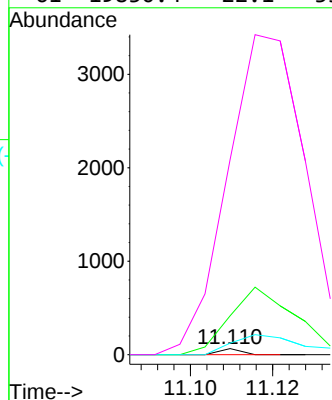
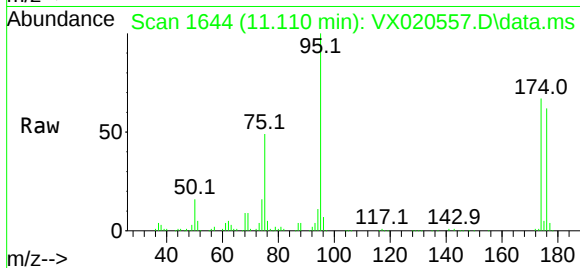




#74
N-amy1 acetate
Concen: 1.24 ug/l
RT: 11.110 min Scan# 1644
Delta R.T. 0.232 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

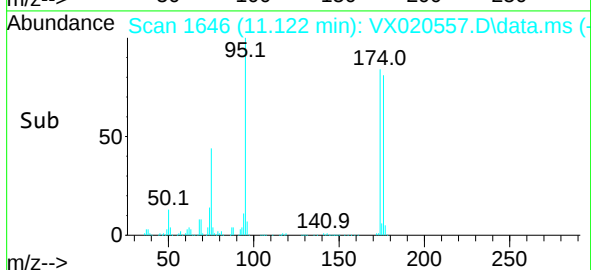
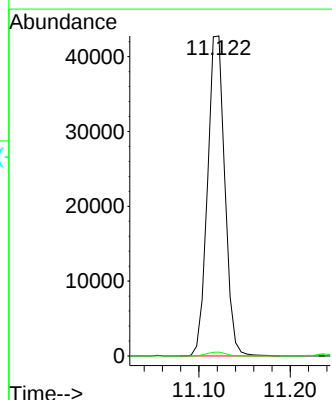
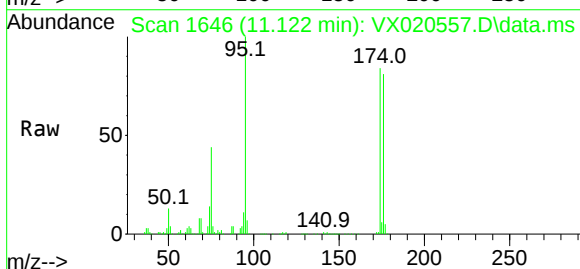
Instrument :
MSVOA_X
ClientSampleId :

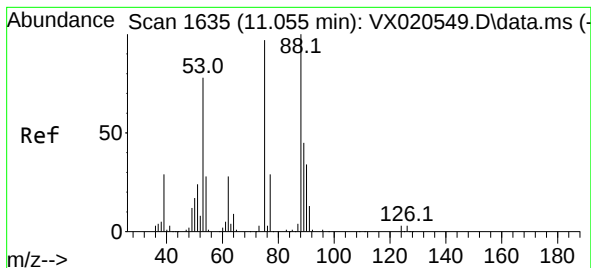
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
70 3482.6 39.0 58.6#
55 1073.9 21.5 32.3#
61 19830.4 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 20.76 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

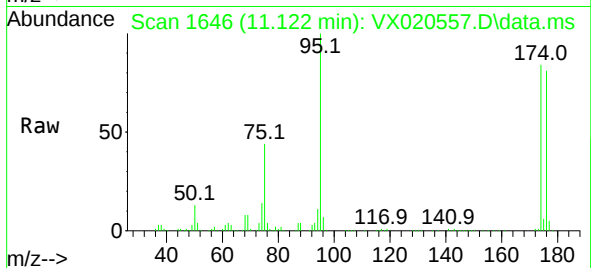
Tgt Ion: 75 Resp: 55989
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



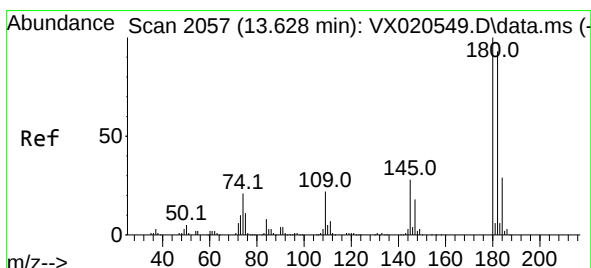
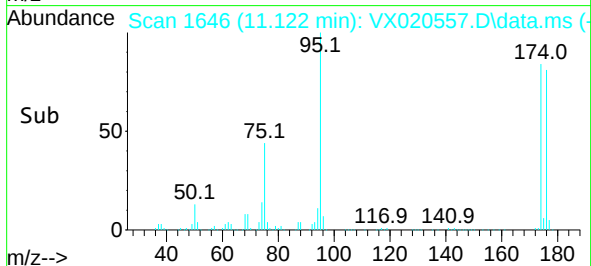
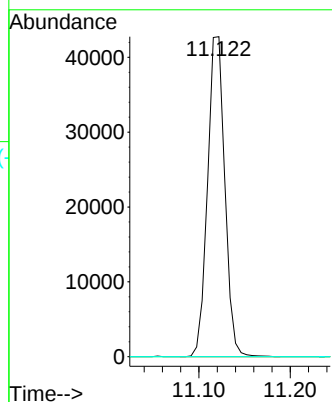


#81
trans-1,4-Dichloro-2-butene
Concen: 56.56 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

Instrument :
MSVOA_X
ClientSampleId :

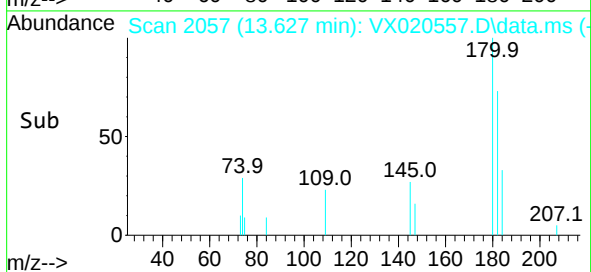
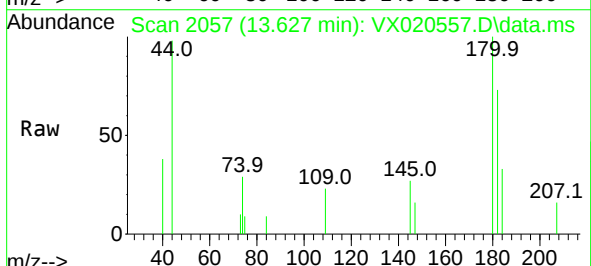
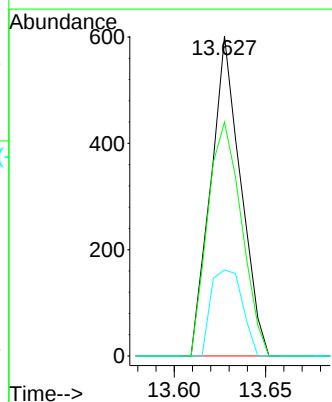


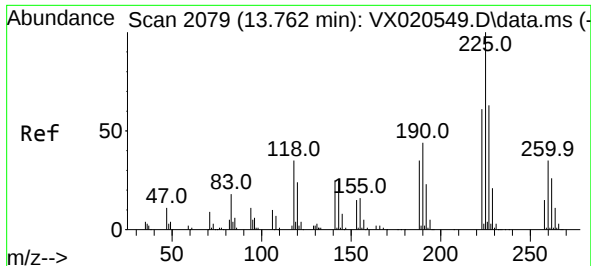
Tgt Ion: 75 Resp: 55989
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.25 ug/l
RT: 13.627 min Scan# 2057
Delta R.T. -0.001 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

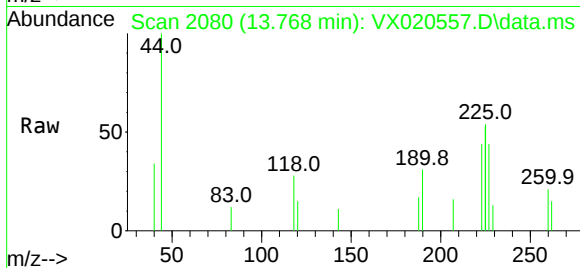
Tgt Ion:180 Resp: 682
Ion Ratio Lower Upper
180 100
182 82.7 47.7 143.1
145 28.3 15.0 45.0



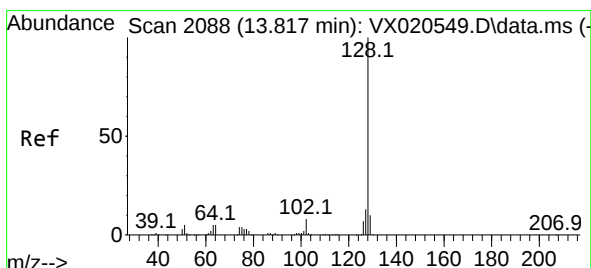
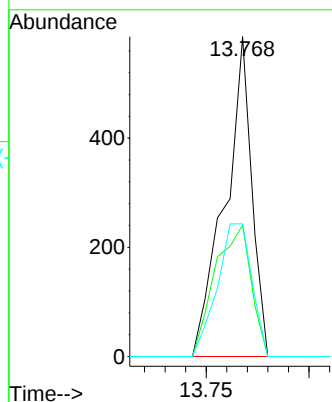
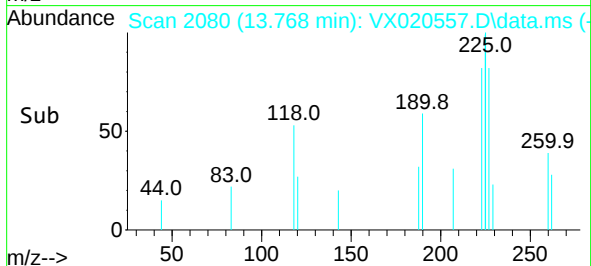


#94
Hexachlorobutadiene
Concen: 1.23 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. 0.006 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18

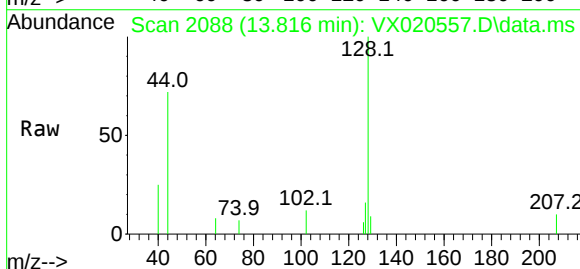
Instrument :
MSVOA_X
ClientSampled :



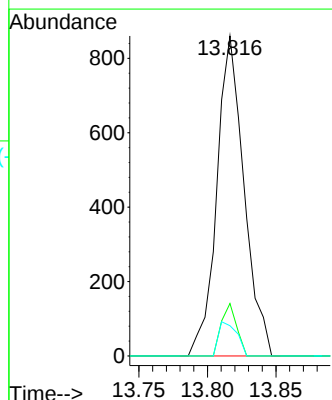
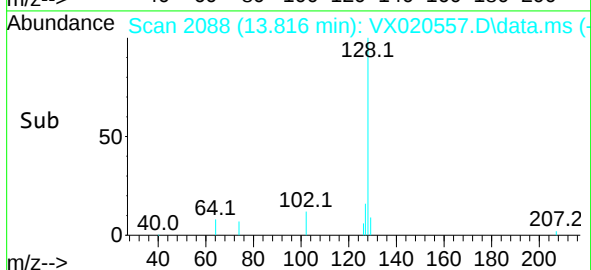
Tgt Ion:	225	Resp:	532
Ion Ratio	100	Lower	Upper
223	54.9	31.1	93.2
227	53.2	31.6	95.0

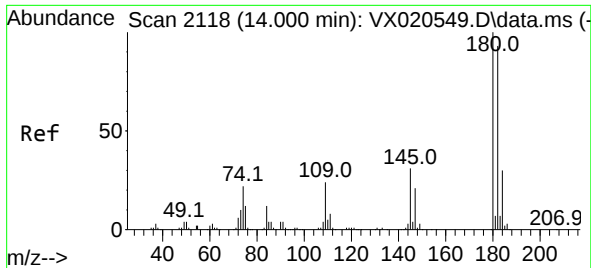


#95
Naphthalene
Concen: 3.96 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. -0.001 min
Lab File: VX020557.D
Acq: 11 Jan 2021 18:18



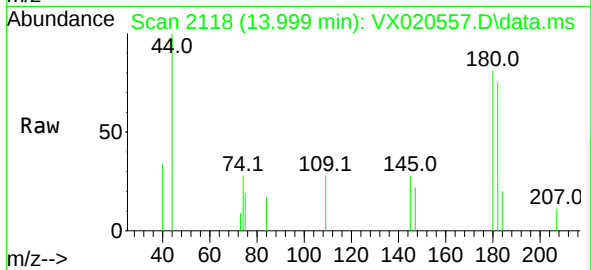
Tgt Ion:	128	Resp:	1191
Ion Ratio	100	Lower	Upper
127	9.2	10.3	15.5#
129	7.1	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 13.999 min Scan# 2118
 Delta R.T. -0.001 min
 Lab File: VX020557.D
 Acq: 11 Jan 2021 18:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	596
Ion	Ratio	Lower	Upper
180	100		
182	99.8	47.6	142.9
145	34.1	16.1	48.3

