

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011921\
 Data File : VX020667.D
 Acq On : 19 Jan 2021 18:26
 Operator : JC/SP
 Sample : M1158-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jan 20 03:21:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 14:09:08 2021
 Response via : Initial Calibration

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

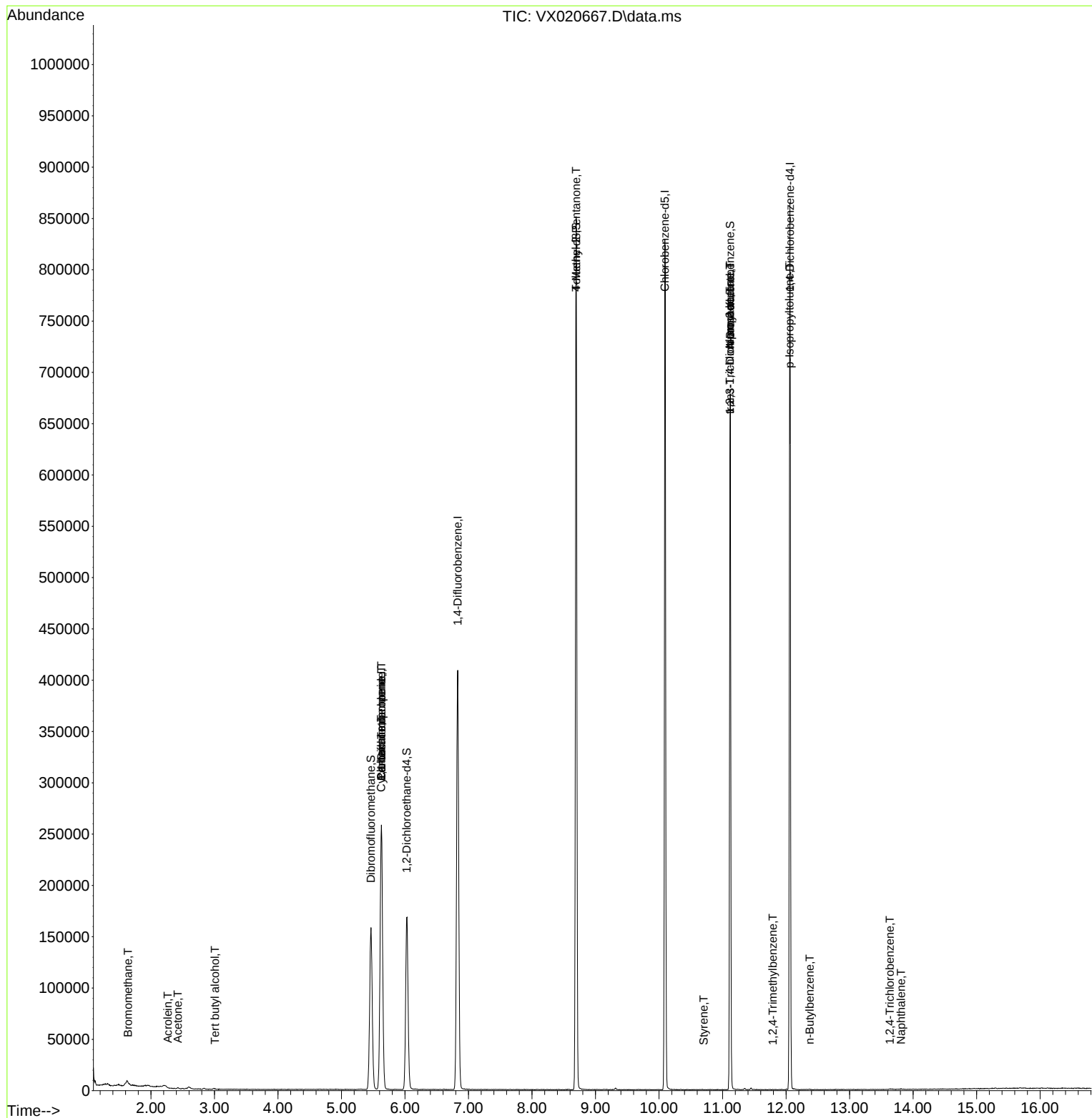
Internal Standards						
1) Pentafluorobenzene	5.629	168	239575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	416719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	394930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	172969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	165018	50.38	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.76%
35) Dibromofluoromethane	5.464	113	137763	47.98	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.96%
50) Toluene-d8	8.695	98	507516	49.02	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.04%
62) 4-Bromofluorobenzene	11.122	95	185010	47.28	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.56%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	422	0.27	ug/l	96
6) Chloroethane	1.703	64	165	Below Cal	#	43
11) Tert butyl alcohol	3.007	59	498	0.86	ug/l #	73
13) Acrolein	2.264	56	22	30.37	ug/l #	14
16) Acetone	2.422	43	1026	0.81	ug/l	92
31) Cyclohexane	5.623	56	4732	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	18795	4.48	ug/l #	49
38) Carbon Tetrachloride	5.629	117	24595	5.49	ug/l #	16
51) 4-Methyl-2-Pentanone	8.695	43	1973	0.53	ug/l #	1
70) Styrene	10.701	104	19	1.42	ug/l #	26
74) N-amyl acetate	11.122	43	123	1.96	ug/l #	1
76) 1,2,3-Trichloropropane	11.116	75	90927	21.91	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	90927	63.36	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.793	105	121	0.41	ug/l #	31
86) p-Isopropyltoluene	12.055	119	131	0.89	ug/l #	1
89) n-Butylbenzene	12.372	91	186	1.45	ug/l #	77
93) 1,2,4-Trichlorobenzene	13.634	180	36	2.25	ug/l #	1
95) Naphthalene	13.810	128	342	1.97	ug/l #	76

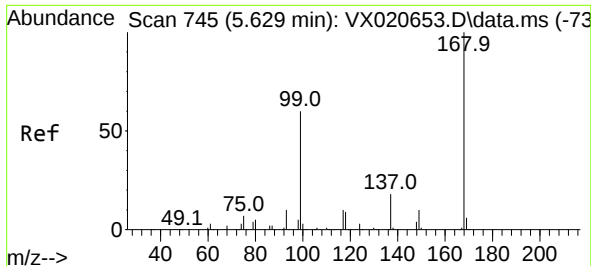
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 20 03:21:47 2021
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Quant Title : SW846 8260
QLast Update : Tue Jan 19 14:09:08 2021
Response via : Initial Calibration

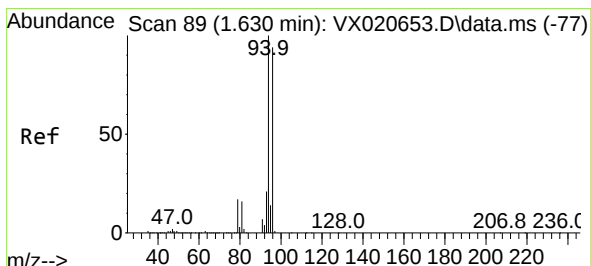
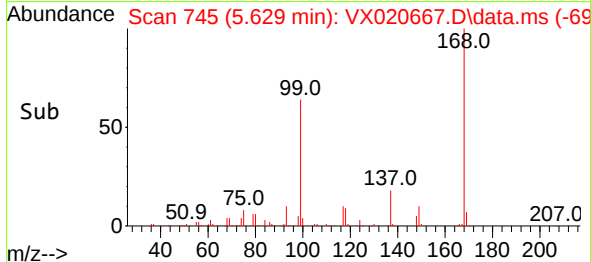
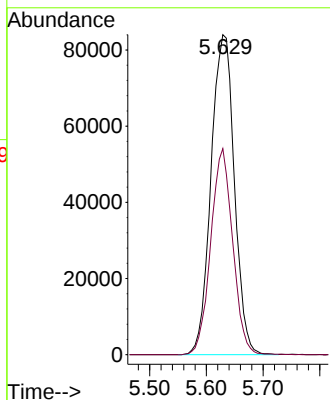
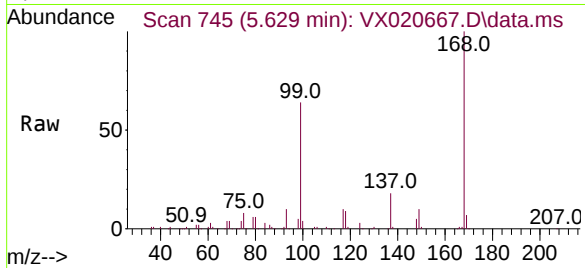




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

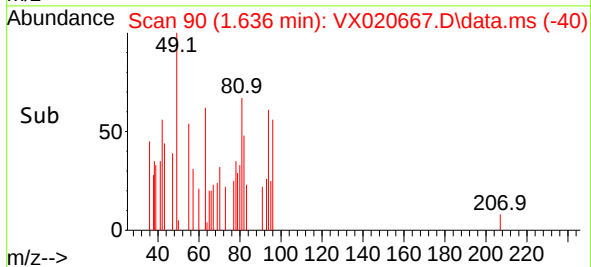
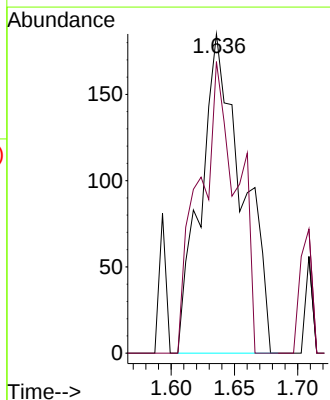
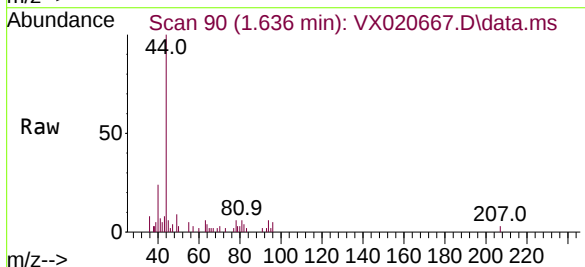
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

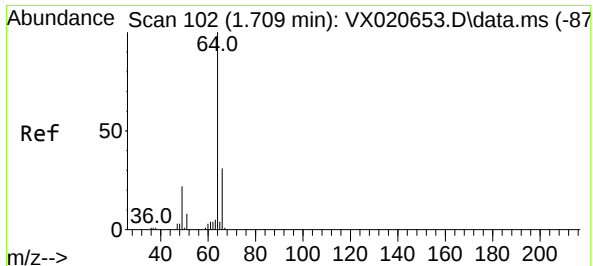
Tgt Ion:168 Resp: 239575
Ion Ratio Lower Upper
168 100
99 64.4 45.8 68.6



#5
Bromomethane
Concen: 0.27 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 94 Resp: 422
Ion Ratio Lower Upper
94 100
96 91.4 76.4 114.6

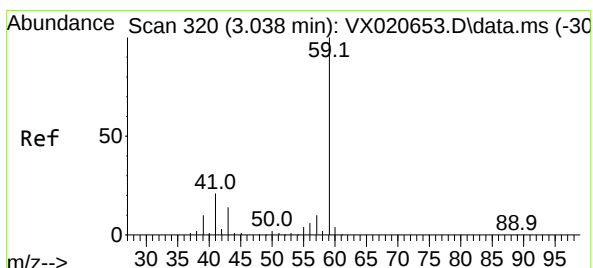
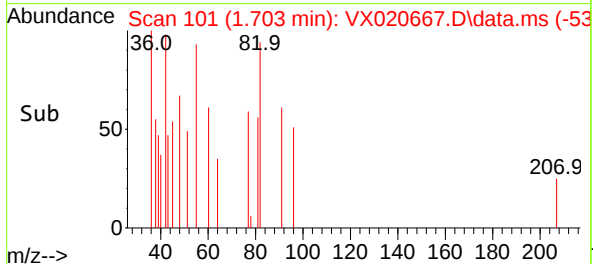
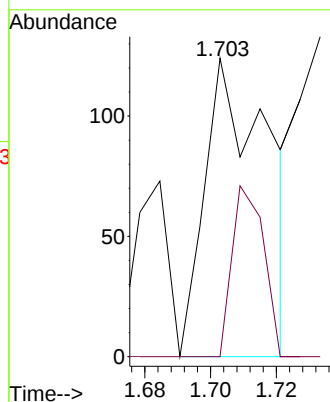
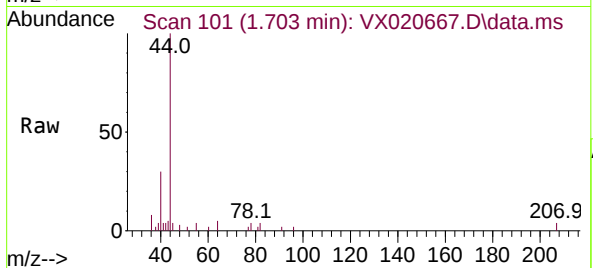




#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. -0.006 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

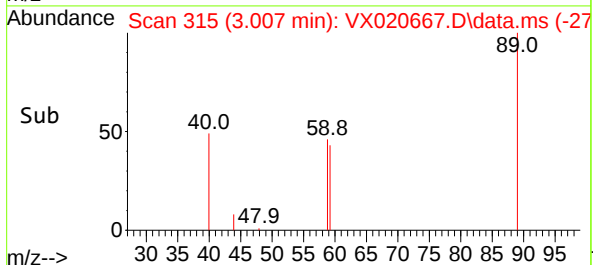
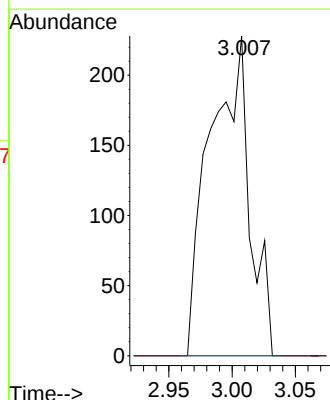
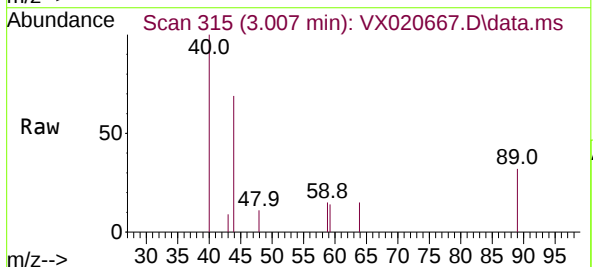
Instrument :
MSVOA_X
ClientSampleId :
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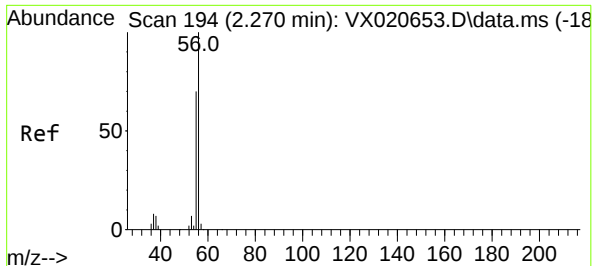
Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.86 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.031 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 59 Resp: 498
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

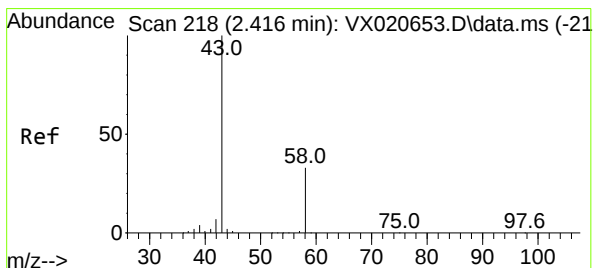
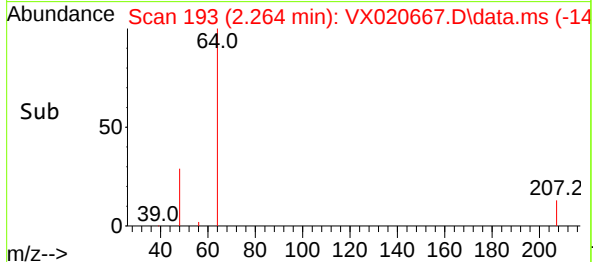
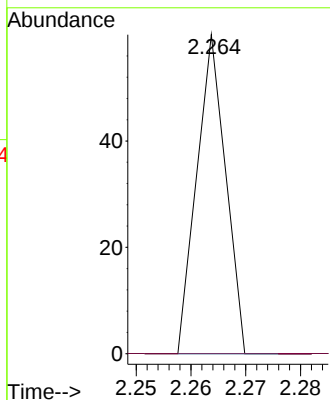
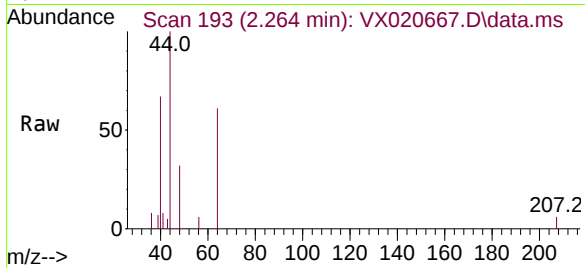




#13
Acrolein
Concen: 30.37 ug/l
RT: 2.264 min Scan# 193
Delta R.T. -0.006 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

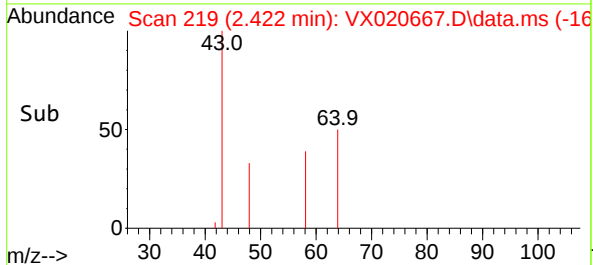
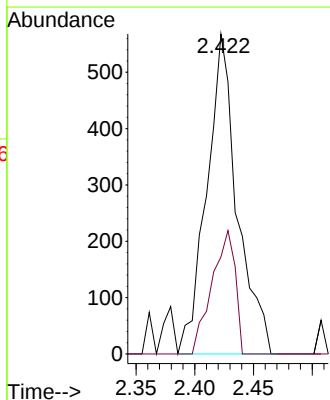
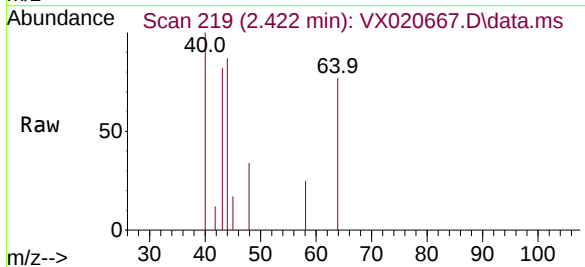
Instrument :
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ClientSampleId :
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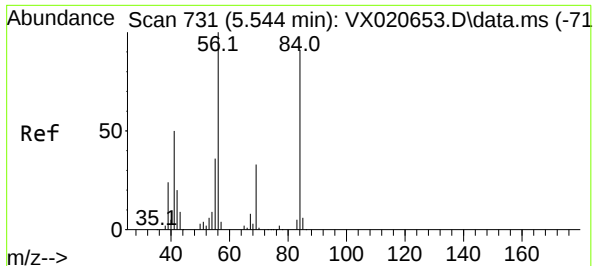
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 0.81 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
58 30.3 27.8 41.8

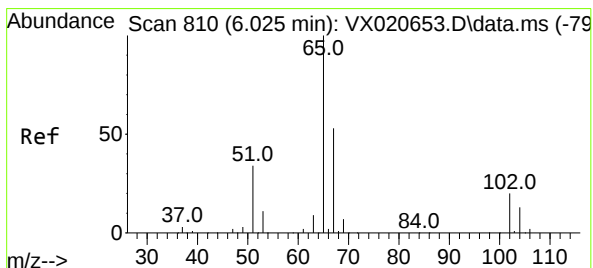
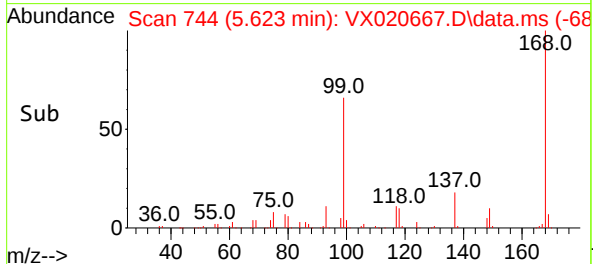
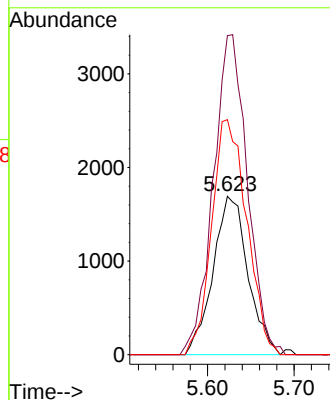
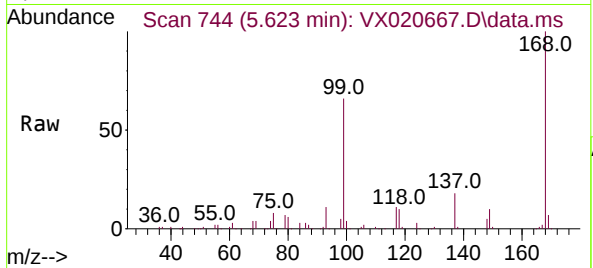




#31
Cyclohexane
Concen: 1.10 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

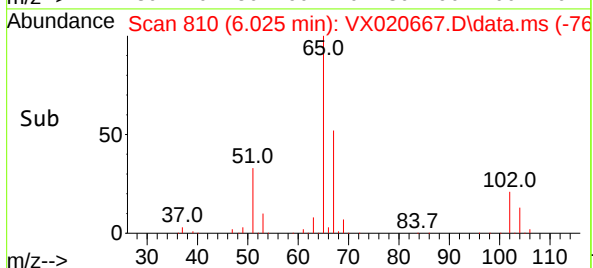
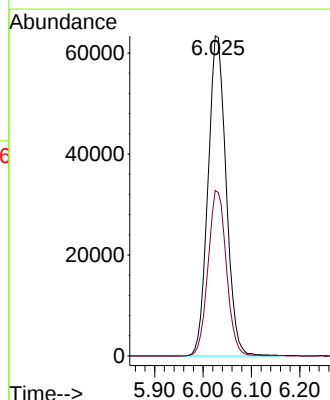
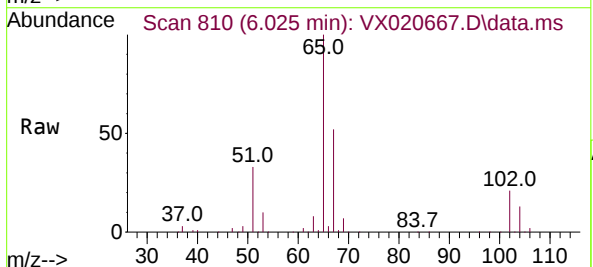
Instrument :
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ClientSampleId :
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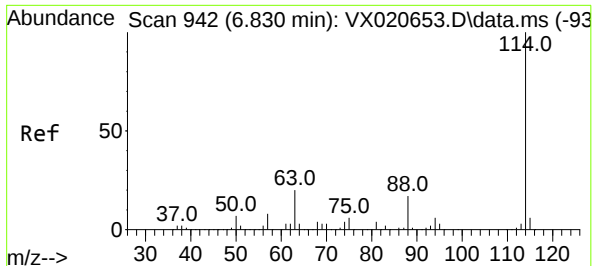
Tgt Ion: 56 Resp: 4732
Ion Ratio Lower Upper
56 100
69 201.4 25.3 37.9#
84 148.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.38 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 65 Resp: 165018
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4

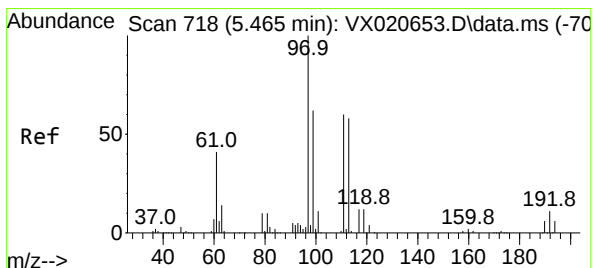
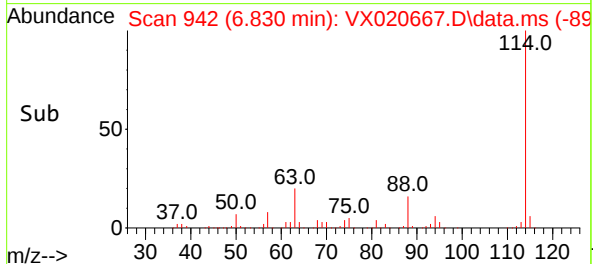
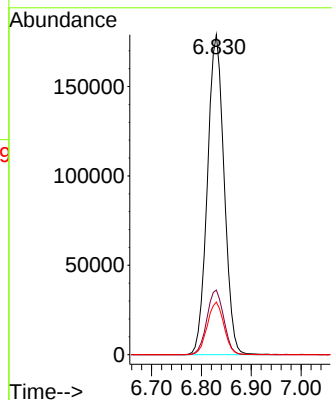
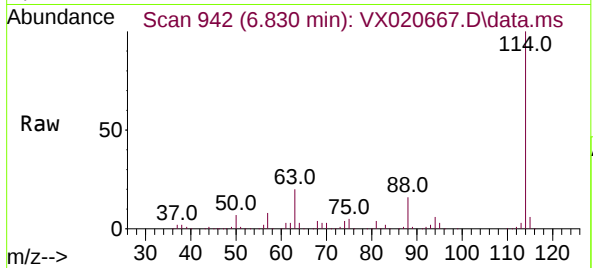




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

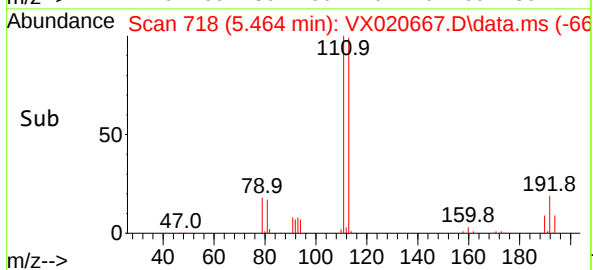
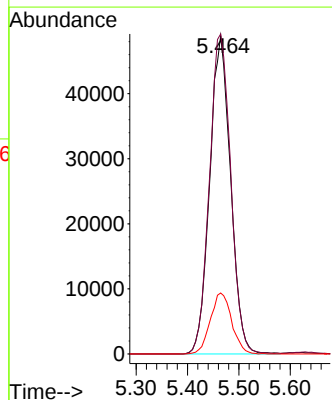
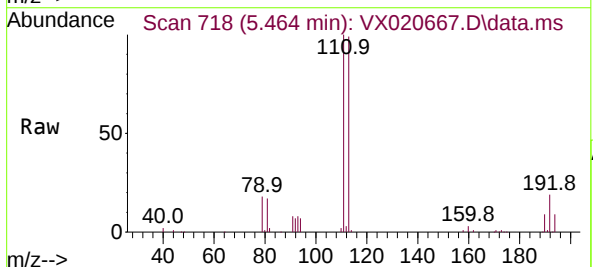
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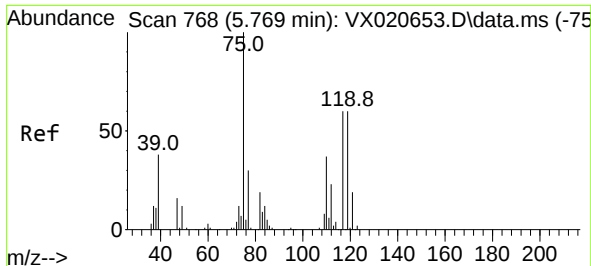
Tgt Ion:114 Resp: 416719
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.98 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion:113 Resp: 137763
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.6 16.7 25.1

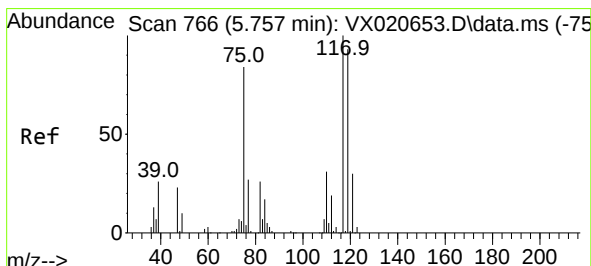
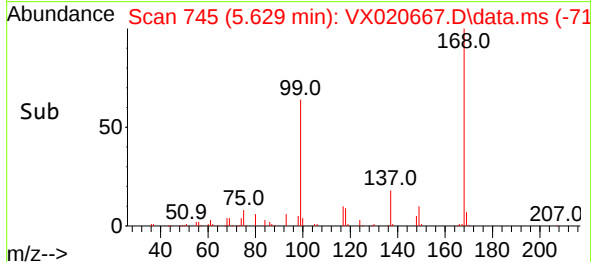
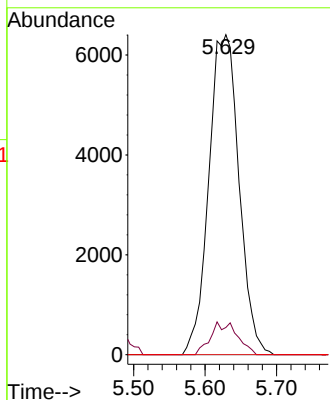
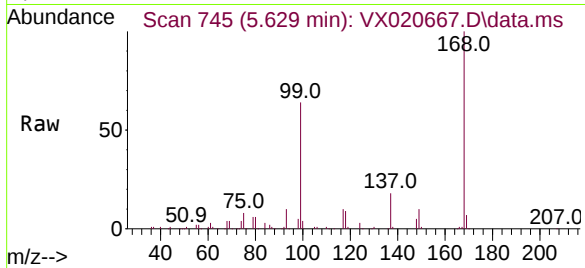




#36
1,1-Dichloropropene
Concen: 4.48 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

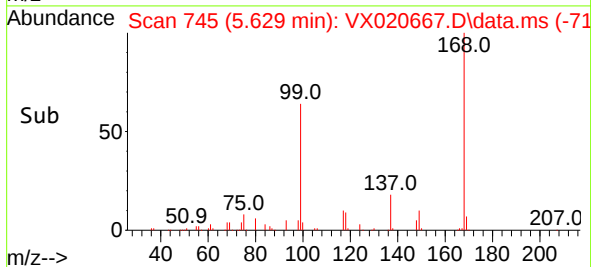
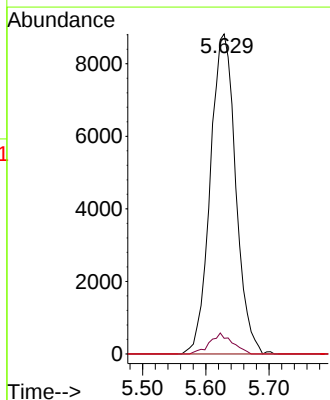
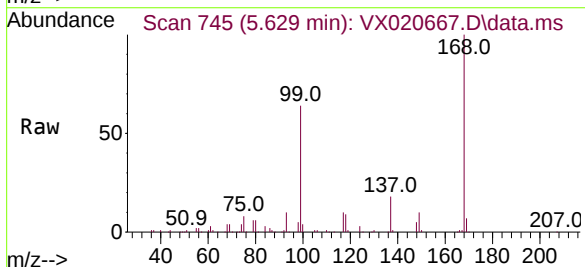
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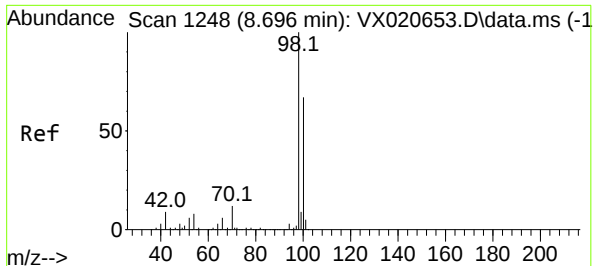
Tgt Ion: 75 Resp: 18795
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.49 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.128 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 117 Resp: 24595
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

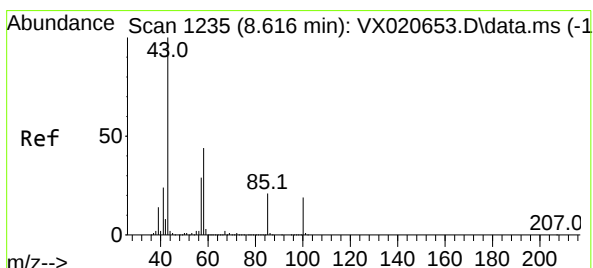
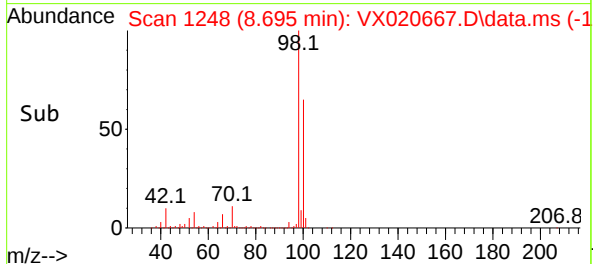
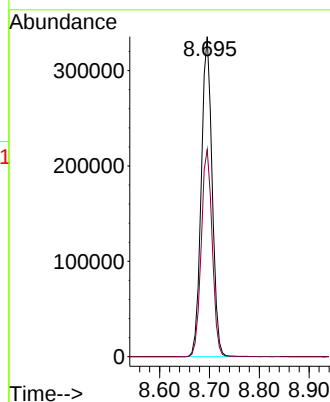
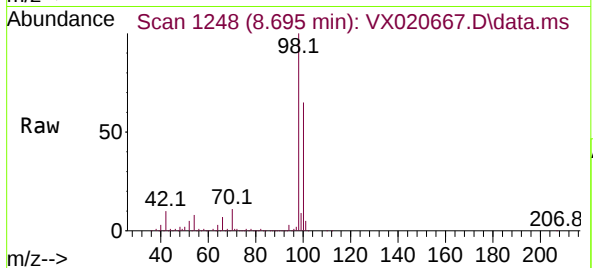




#50
Toluene-d8
Concen: 49.02 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

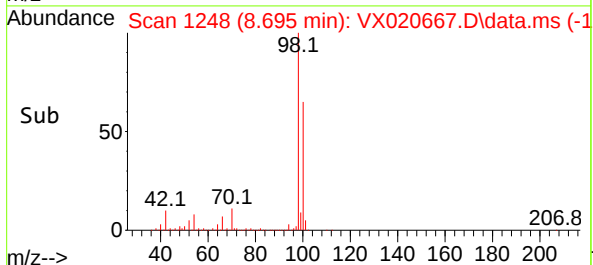
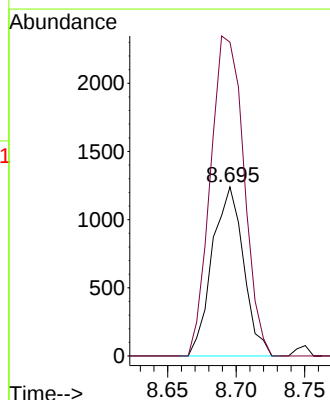
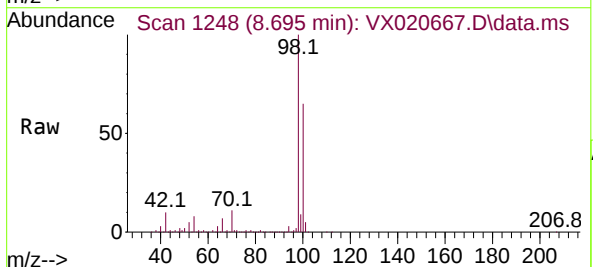
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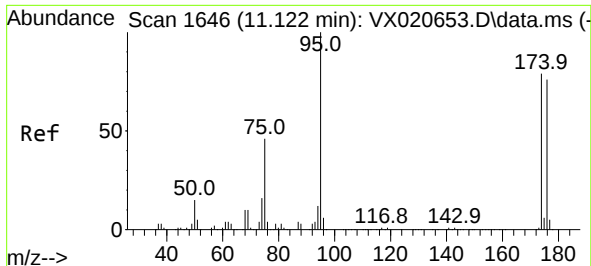
Tgt Ion: 98 Resp: 507516
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.079 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
58 202.0 35.4 53.0#

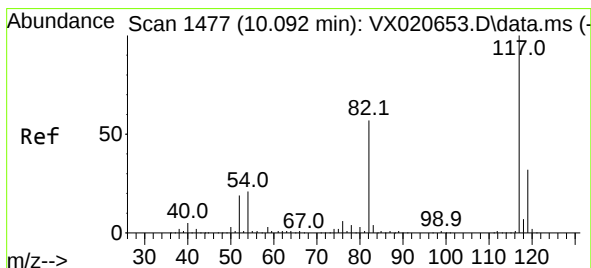
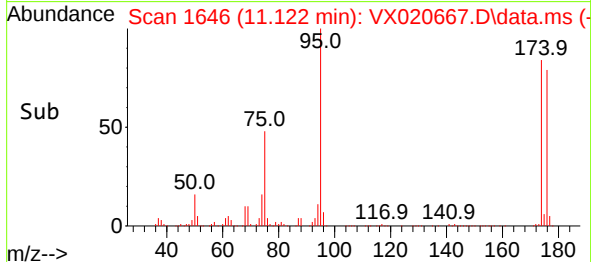
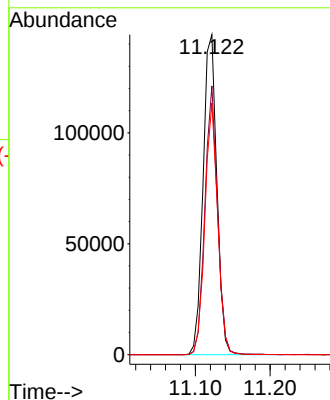
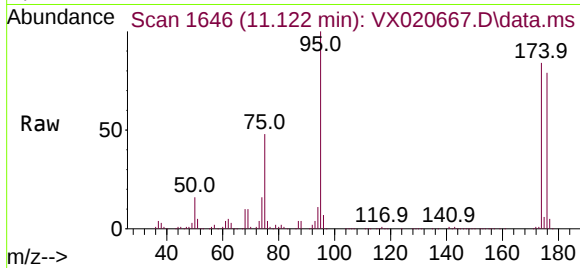




#62
4-Bromofluorobenzene
Concen: 47.28 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

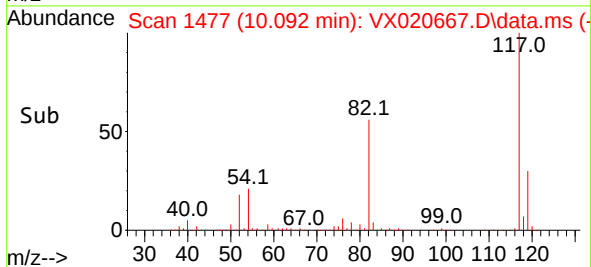
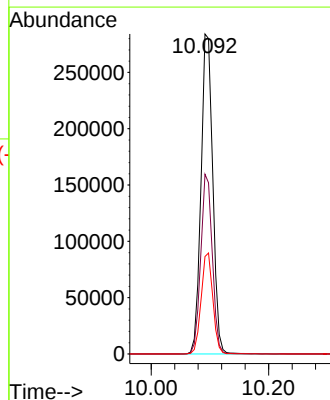
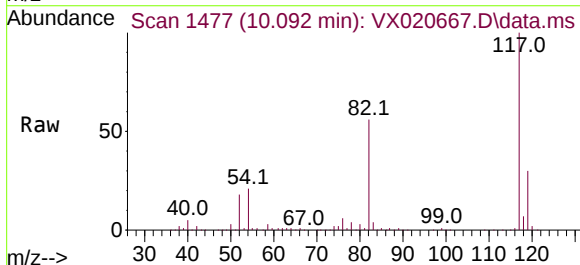
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

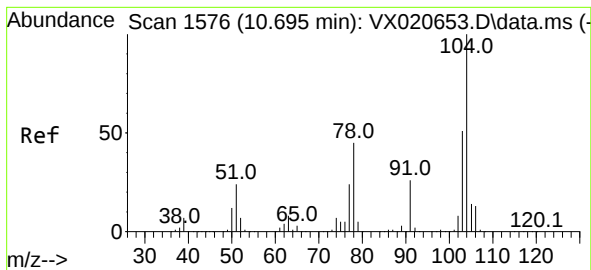
Tgt Ion: 95 Resp: 185010
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.6
176 73.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 117 Resp: 394930
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 30.5 26.6 39.8





#70

Styrene

Concen: 1.42 ug/l

RT: 10.701 min Scan# 1577

Delta R.T. 0.006 min

Lab File: VX020667.D

Acq: 19 Jan 2021 18:26

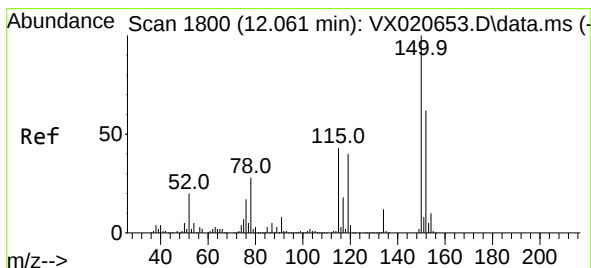
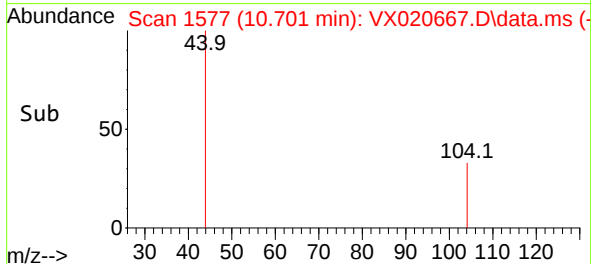
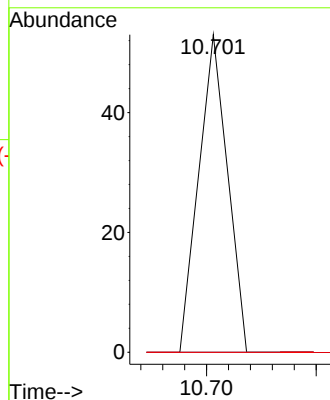
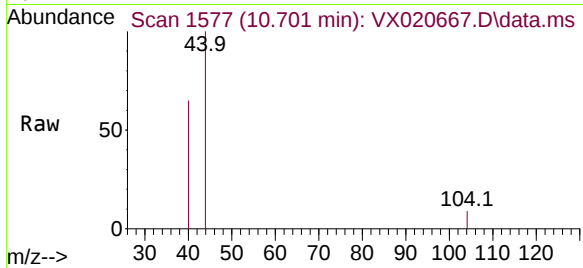
Tgt Ion:104	Resp:	19
Ion Ratio	Lower	Upper
104	100	
78	0.0	40.0
103	0.0	43.4

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

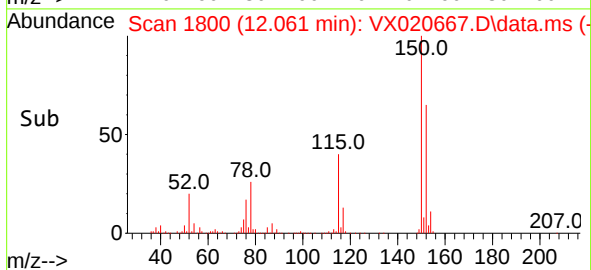
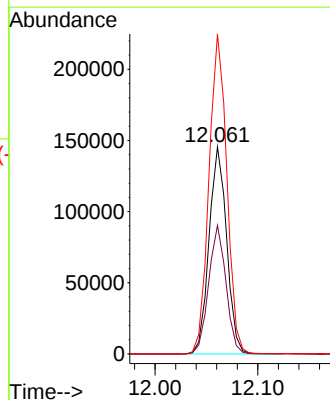
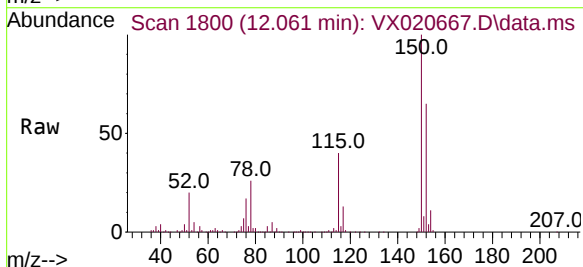
RT: 12.061 min Scan# 1800

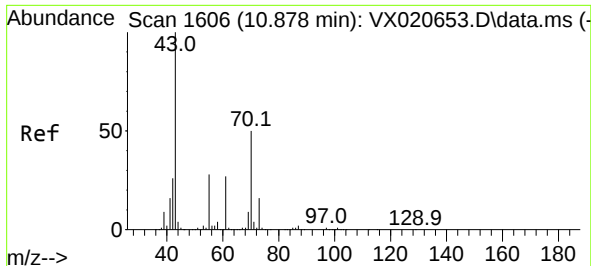
Delta R.T. -0.000 min

Lab File: VX020667.D

Acq: 19 Jan 2021 18:26

Tgt Ion:152	Resp:	172969
Ion Ratio	Lower	Upper
152	100	
115	61.1	41.1
150	156.6	0.0

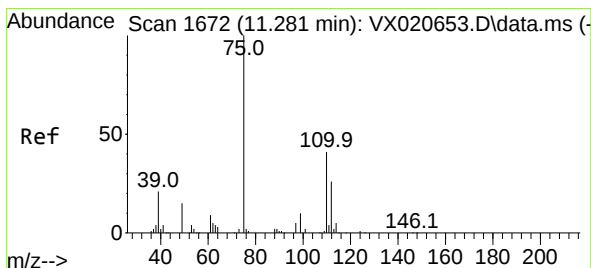
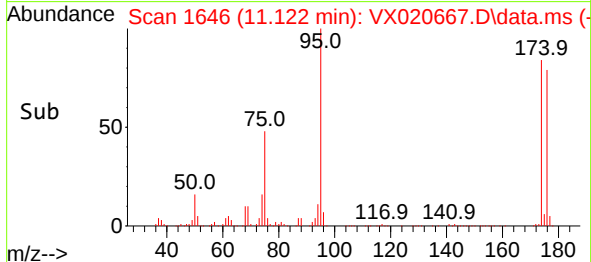
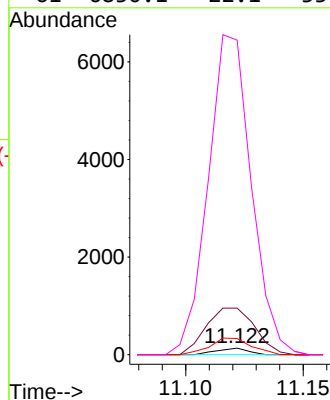
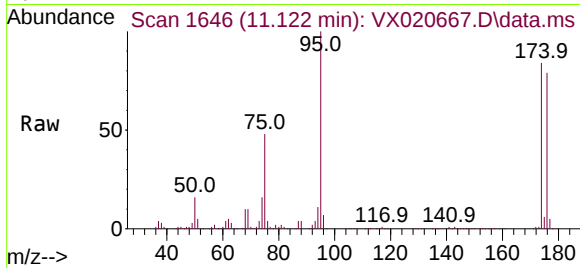




#74
N-amy1 acetate
Concen: 1.96 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.244 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

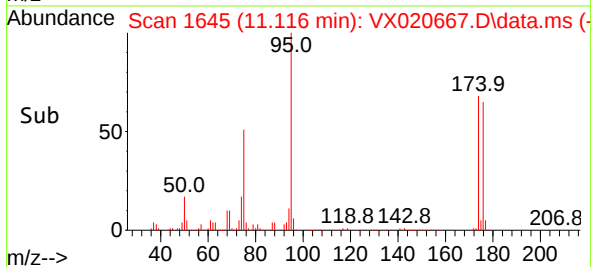
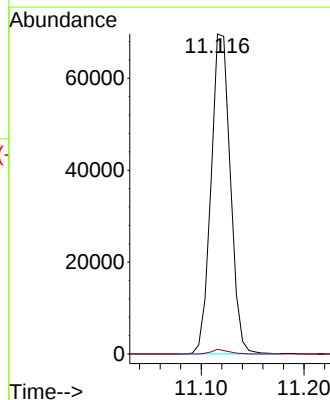
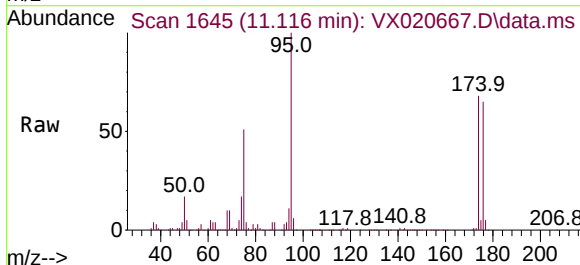
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

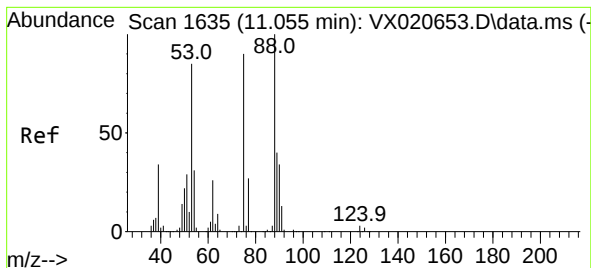
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
70 1118.7 39.0 58.6#
55 338.2 21.5 32.3#
61 6830.1 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.91 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.165 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion: 75 Resp: 90927
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

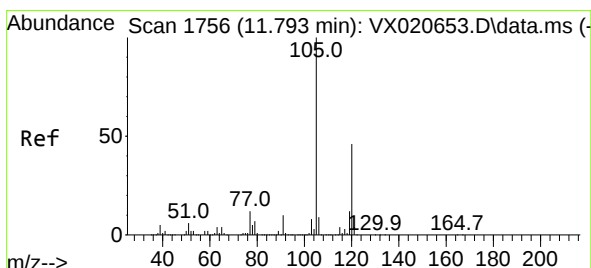
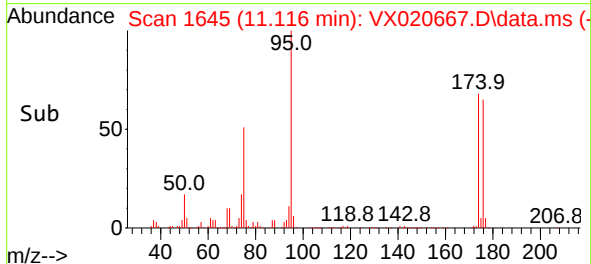
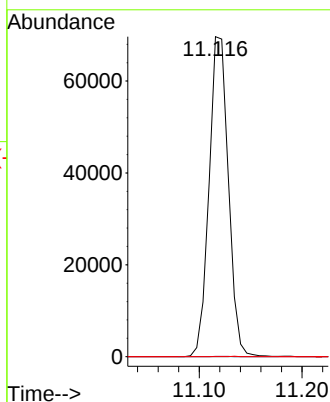
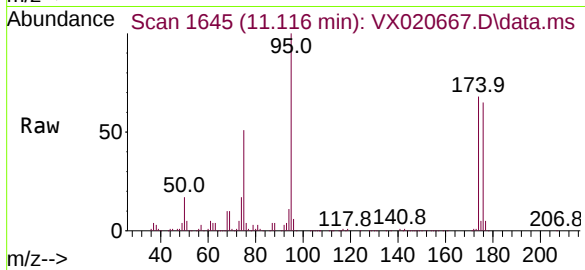




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.36 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. 0.061 min
 Lab File: VX020667.D
 Acq: 19 Jan 2021 18:26

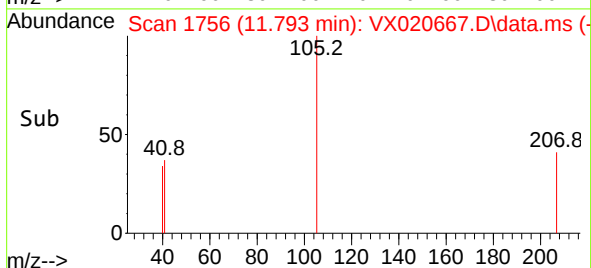
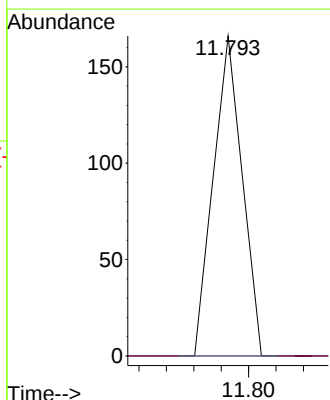
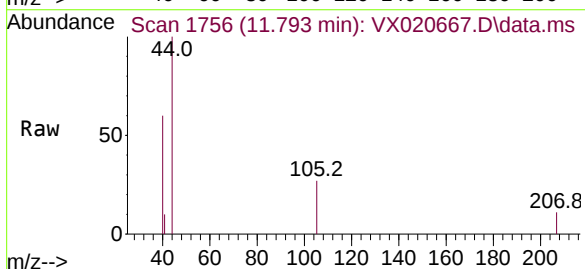
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

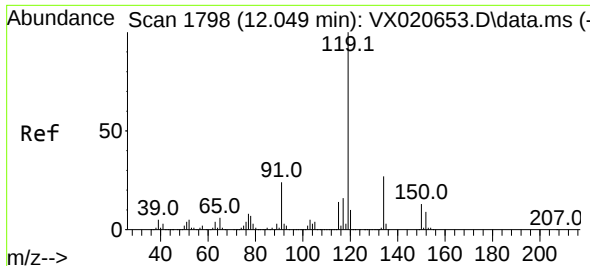
Tgt Ion: 75 Resp: 90927
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.41 ug/l
 RT: 11.793 min Scan# 1756
 Delta R.T. -0.000 min
 Lab File: VX020667.D
 Acq: 19 Jan 2021 18:26

Tgt Ion: 105 Resp: 121
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.4 67.3#

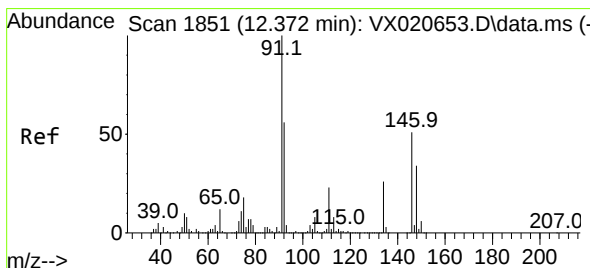
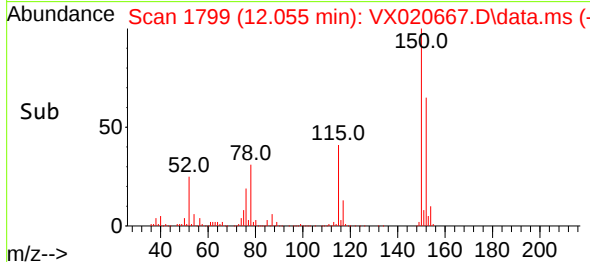
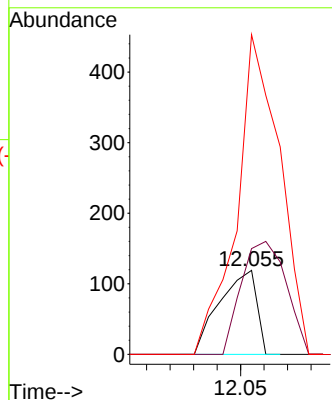
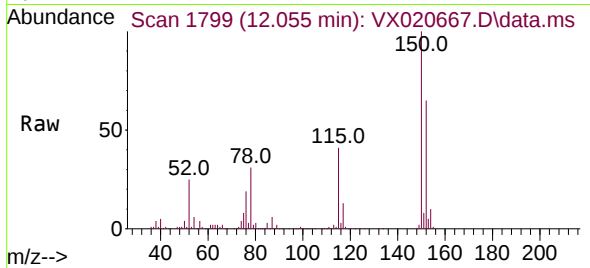




#86
p-Isopropyltoluene
Concen: 0.89 ug/l
RT: 12.055 min Scan# 1799
Delta R.T. 0.006 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

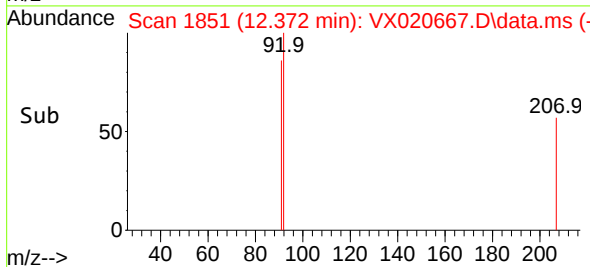
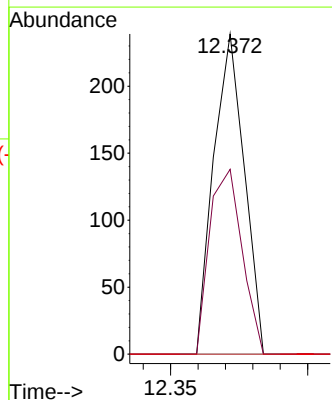
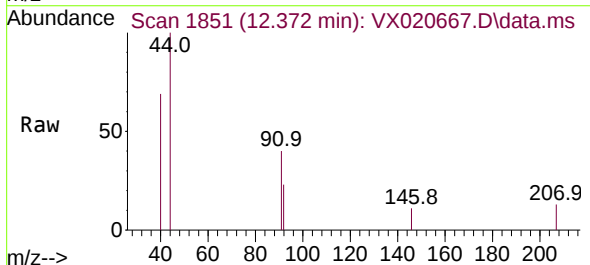
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

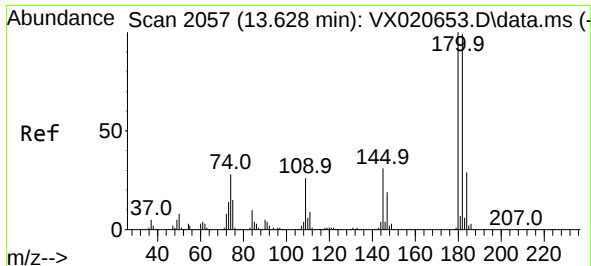
Tgt Ion:	119	Resp:	131
Ion	Ratio	Lower	Upper
119	100		
134	162.6	12.9	38.7#
91	441.2	11.7	35.0#



#89
n-Butylbenzene
Concen: 1.45 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion:	91	Resp:	186
Ion	Ratio	Lower	Upper
91	100		
92	61.3	27.4	82.0
134	0.0	13.2	39.5#

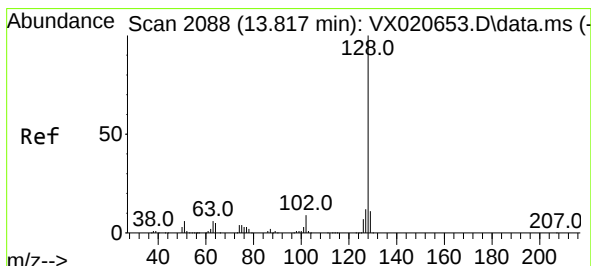
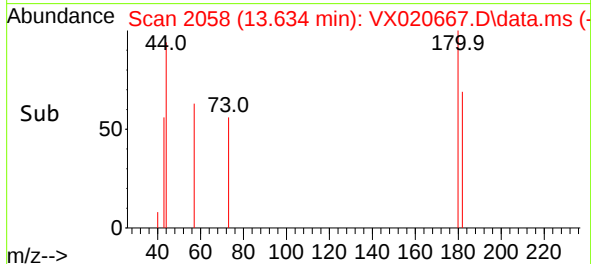
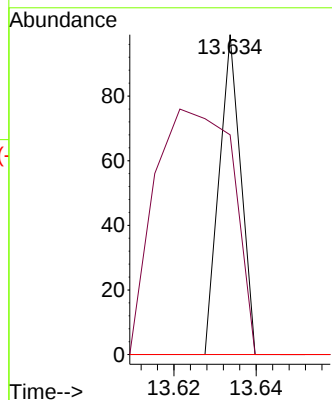
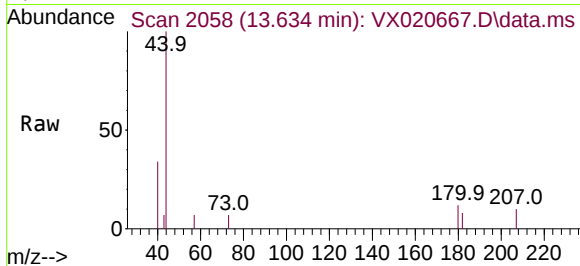




#93
1,2,4-Trichlorobenzene
Concen: 2.25 ug/l
RT: 13.634 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:180 Resp: 36
Ion Ratio Lower Upper
180 100
182 277.8 47.7 143.1#
145 0.0 15.0 45.0#



#95
Naphthalene
Concen: 1.97 ug/l
RT: 13.810 min Scan# 2087
Delta R.T. -0.007 min
Lab File: VX020667.D
Acq: 19 Jan 2021 18:26

Tgt Ion:128 Resp: 342
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.8 8.8 13.2#

