

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021769.D
 Acq On : 20 Apr 2021 21:25
 Operator : JC/MD
 Sample : PB135856ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135856ZHE#03

Quant Time: Apr 21 11:25:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

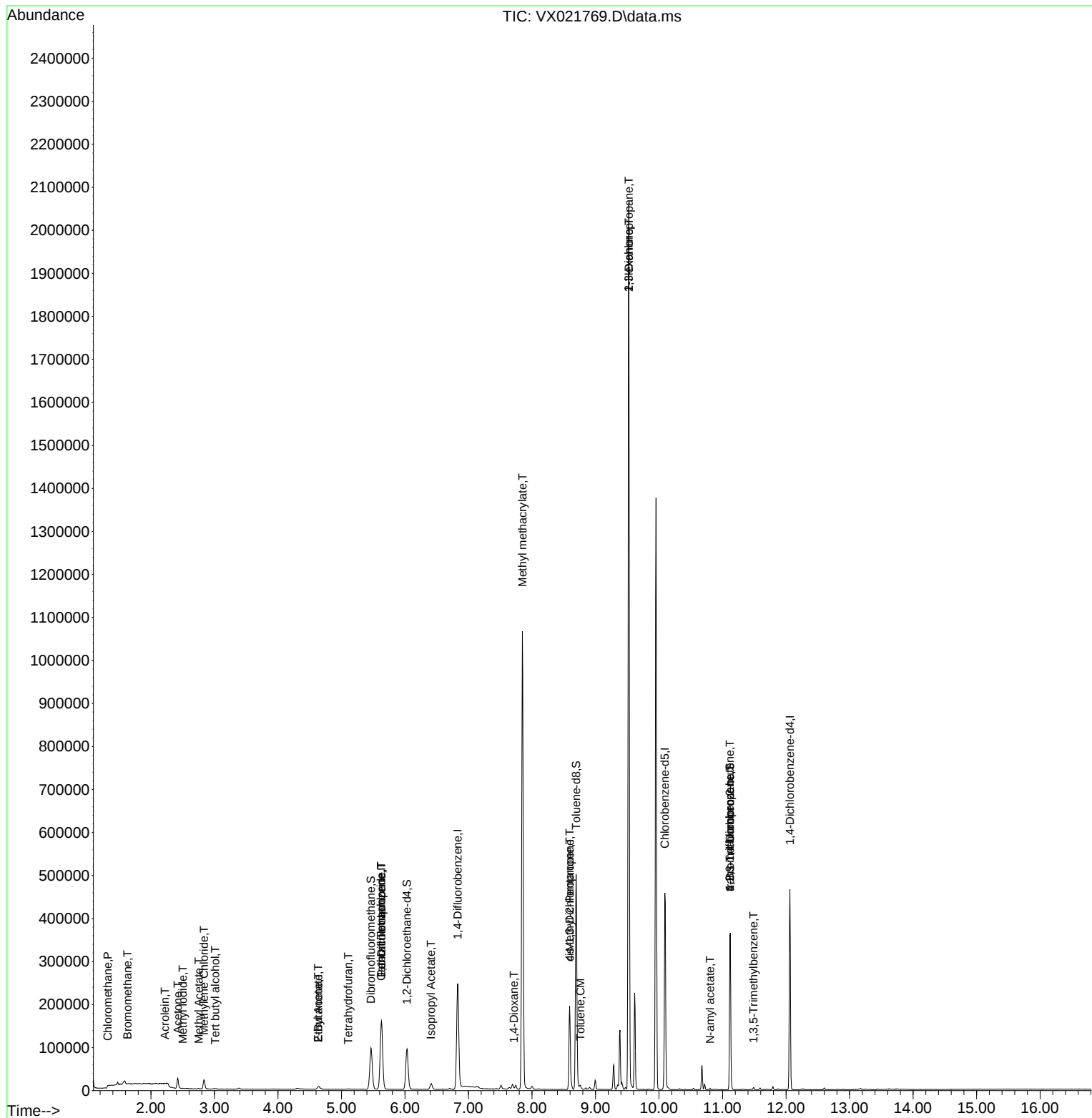
Internal Standards						
1) Pentafluorobenzene	5.629	168	157120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	262267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	228746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	100030	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	89269	50.08	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.16%			
35) Dibromofluoromethane	5.464	113	84245	50.23	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.46%			
50) Toluene-d8	8.695	98	311137	48.25	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.50%			
62) 4-Bromofluorobenzene	11.116	95	106502	44.22	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.44%			
Target Compounds						Qvalue
3) Chloromethane	1.319	50	3485	2.05	ug/l	99
5) Bromomethane	1.630	94	219	0.28	ug/l #	43
10) Methyl Iodide	2.501	142	342	8.40	ug/l #	67
11) Tert butyl alcohol	3.014	59	1527	3.91	ug/l #	94
13) Acrolein	2.221	56	199	0.63	ug/l #	14
16) Acetone	2.422	43	24292	39.64	ug/l	100
18) Methyl Acetate	2.751	43	1098	0.66	ug/l	96
20) Methylene Chloride	2.837	84	10619	5.78	ug/l	95
25) 2-Butanone	4.635	43	10578	10.19	ug/l	99
29) Tetrahydrofuran	5.105	42	1398	2.07	ug/l #	73
36) 1,1-Dichloropropene	5.629	75	10931	4.72	ug/l #	51
37) Ethyl Acetate	4.635	43	10578	4.86	ug/l #	65
38) Carbon Tetrachloride	5.623	117	14864	5.86	ug/l #	16
43) Isopropyl Acetate	6.409	43	18027	4.73	ug/l	99
48) Methyl methacrylate	7.848	41	79819	43.02	ug/l #	34
49) 1,4-Dioxane	7.714	88	19	0.44	ug/l #	24
51) 4-Methyl-2-Pentanone	8.592	43	63471	29.09	ug/l #	49
52) Toluene	8.762	92	1923	0.43	ug/l	86
54) cis-1,3-Dichloropropene	8.592	75	33868	11.02	ug/l #	54
57) 1,3-Dichloropropane	9.525	76	18752	6.35	ug/l #	43
59) 2-Hexanone	9.525	43	222302	135.92	ug/l #	46
74) N-amyl acetate	10.805	43	1220	0.45	ug/l #	43
76) 1,2,3-Trichloropropane	11.116	75	48302	24.35	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2381	0.40	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.116	75	48302	55.99	ug/l #	12

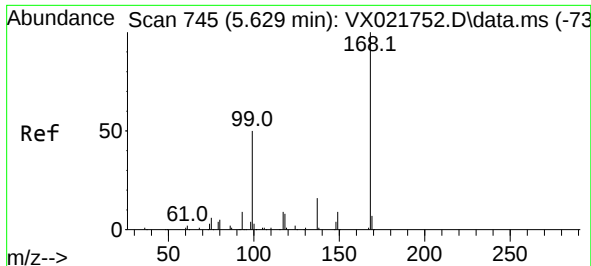
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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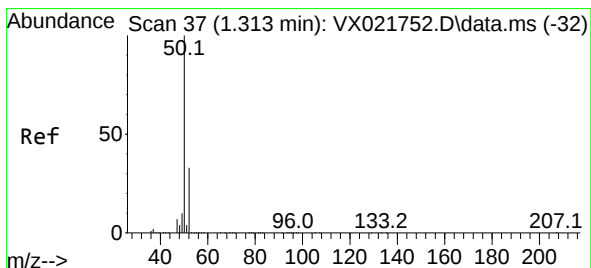
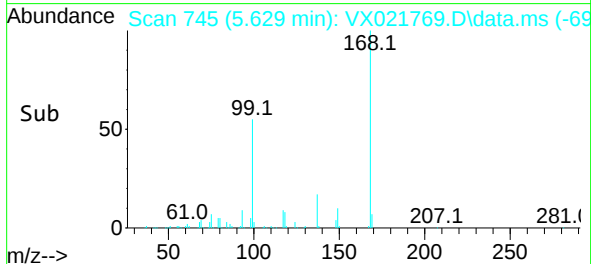
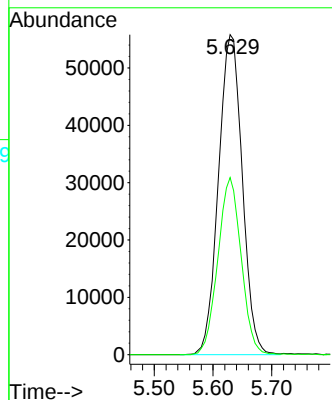
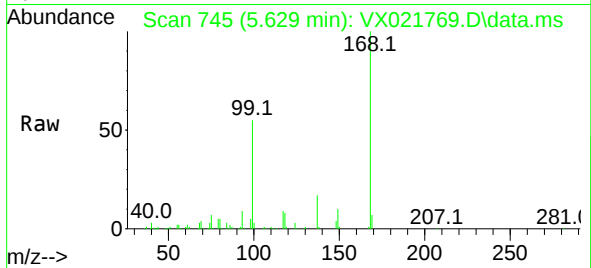




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

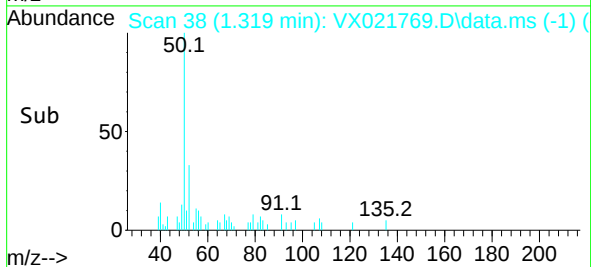
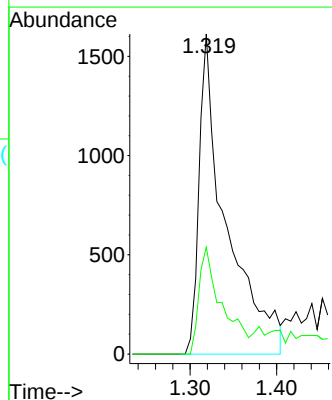
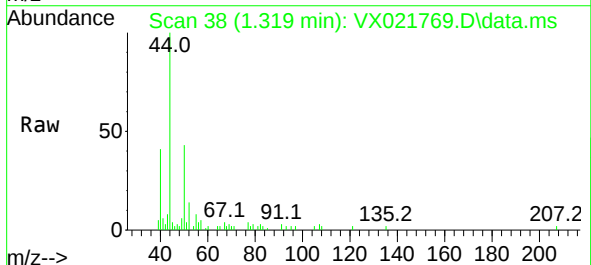
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

Tgt Ion:168 Resp: 157120
Ion Ratio Lower Upper
168 100
99 55.4 45.8 68.6



#3
Chloromethane
Concen: 2.05 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 50 Resp: 3485
Ion Ratio Lower Upper
50 100
52 33.4 26.4 39.6

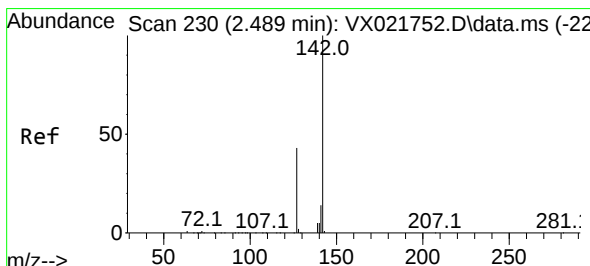
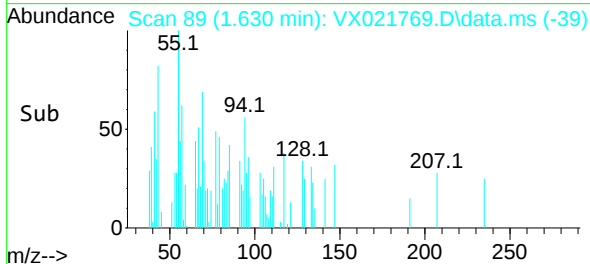
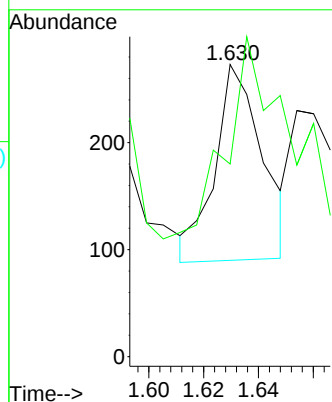
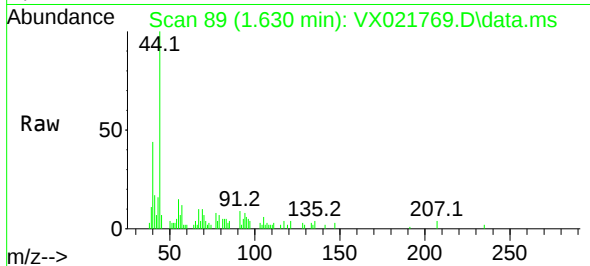




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.007 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

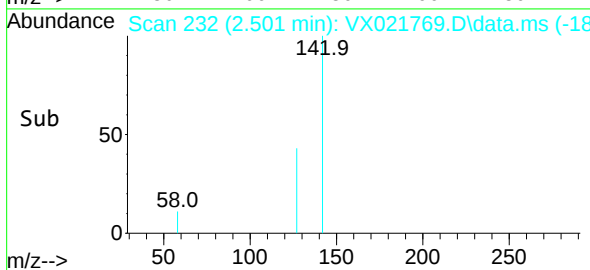
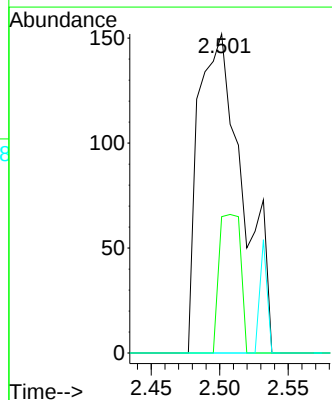
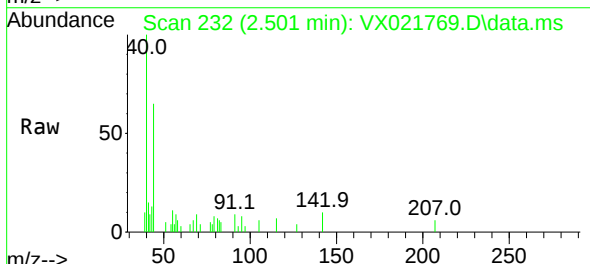
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

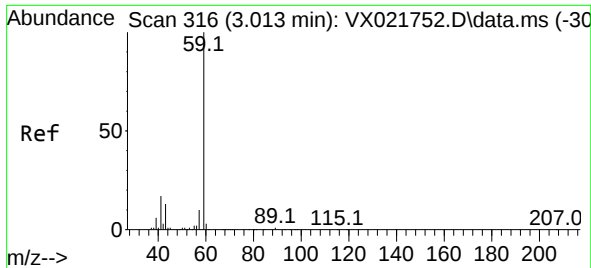
Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 40.0 76.4 114.6#



#10
Methyl Iodide
Concen: 8.40 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.012 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 142 Resp: 342
Ion Ratio Lower Upper
142 100
127 21.1 33.3 49.9#
141 0.0 11.4 17.0#

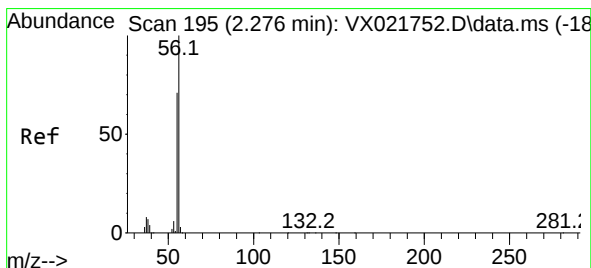
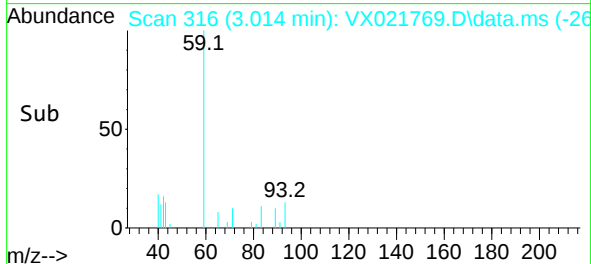
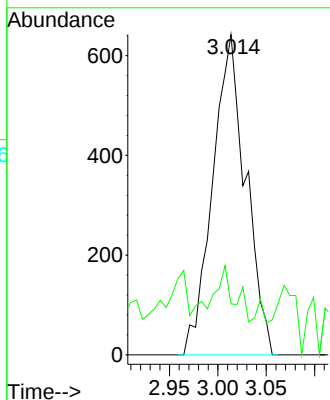
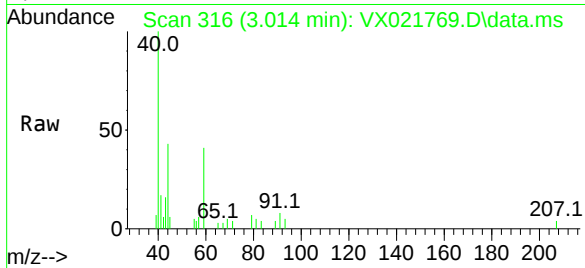




#11
Tert butyl alcohol
Concen: 3.91 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

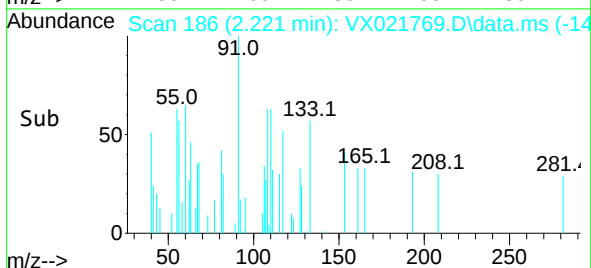
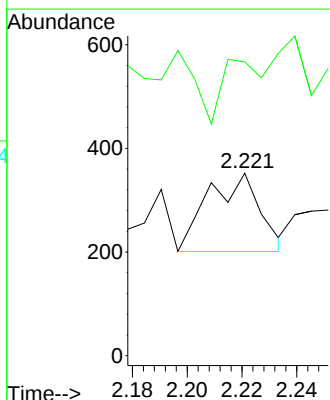
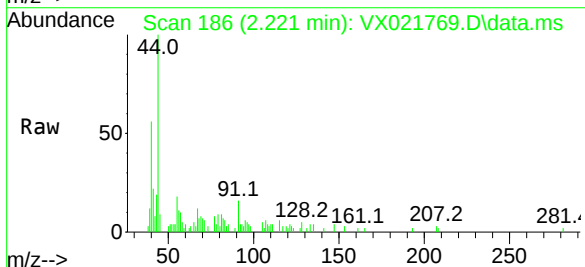
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

Tgt Ion: 59 Resp: 1527
Ion Ratio Lower Upper
59 100
57 7.7 7.8 11.8#



#13
Acrolein
Concen: 0.63 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.055 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

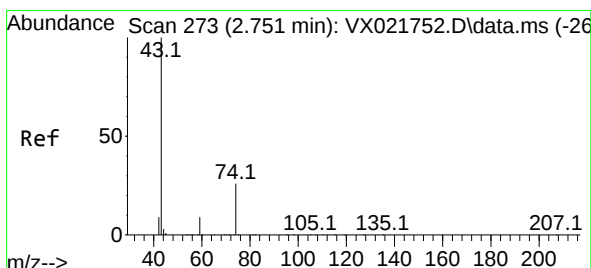
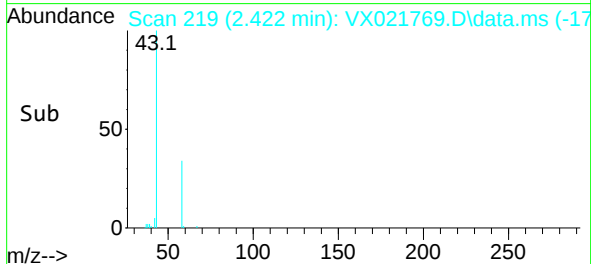
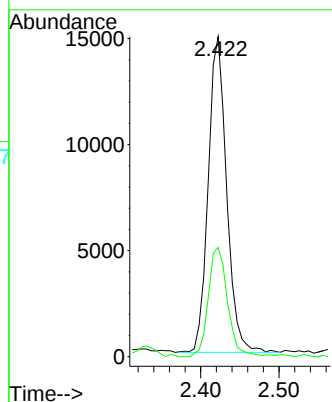
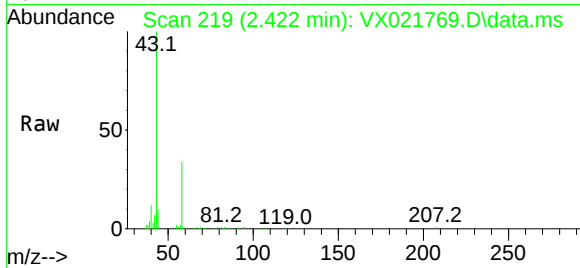




#16
Acetone
Concen: 39.64 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

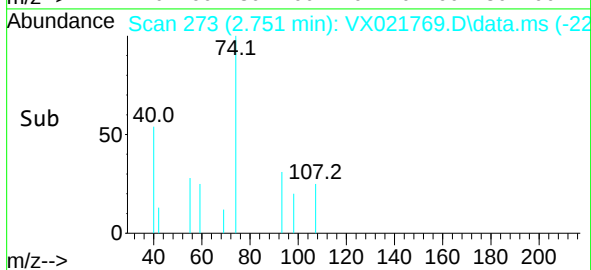
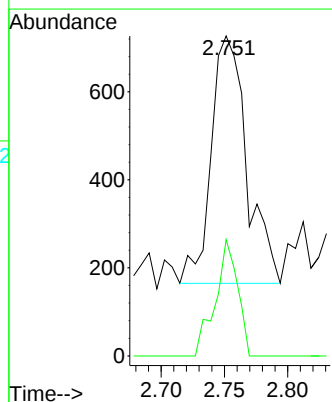
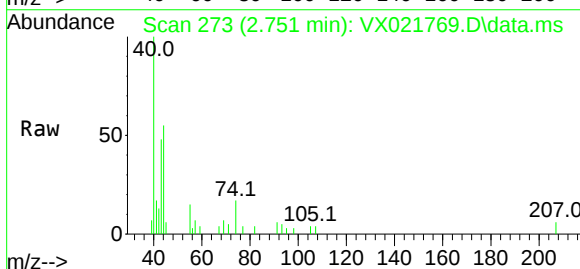
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

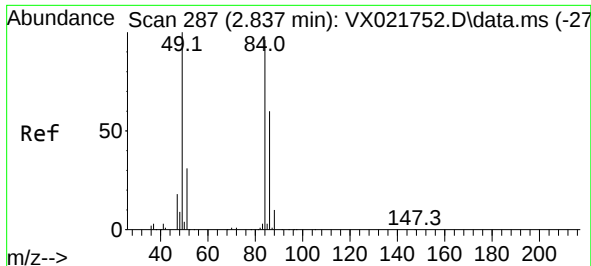
Tgt Ion: 43 Resp: 24292
Ion Ratio Lower Upper
43 100
58 34.6 27.8 41.8



#18
Methyl Acetate
Concen: 0.66 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
74 29.4 21.9 32.9

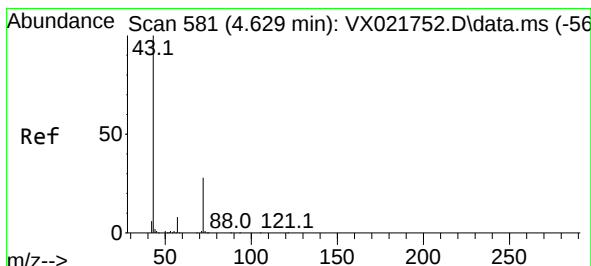
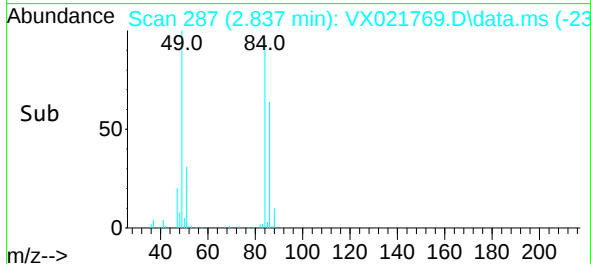
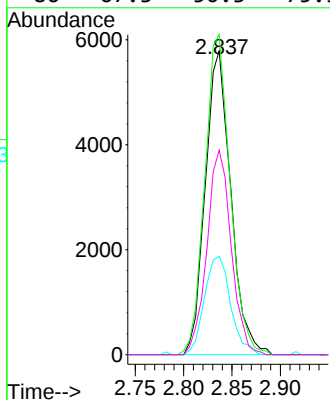
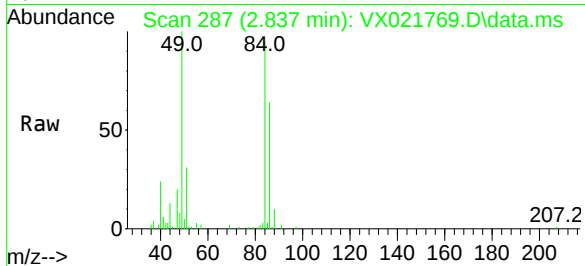




#20
Methylene Chloride
Concen: 5.78 ug/l
RT: 2.837 min Scan# 287
Delta R.T. -0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

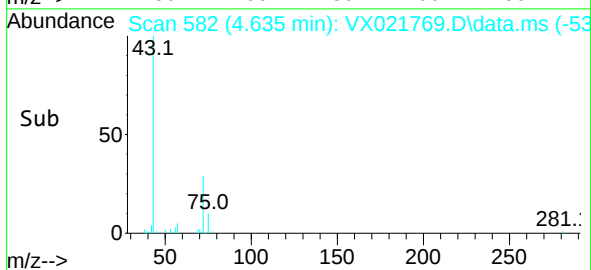
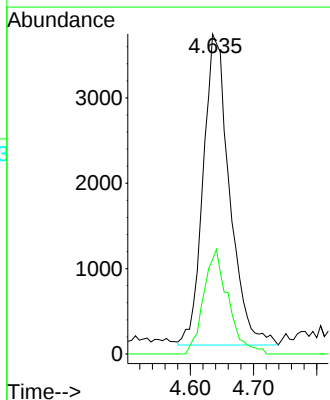
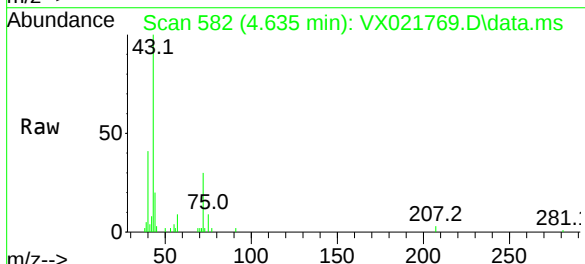
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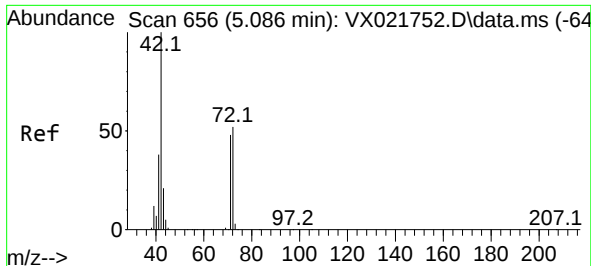
Tgt Ion:	84	Resp:	10619
Ion	Ratio	Lower	Upper
84	100		
49	105.3	88.6	132.8
51	32.4	27.0	40.6
86	67.3	50.3	75.5



#25
2-Butanone
Concen: 10.19 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.006 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion:	43	Resp:	10578
Ion	Ratio	Lower	Upper
43	100		
72	30.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 2.07 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.019 min

Lab File: VX021769.D

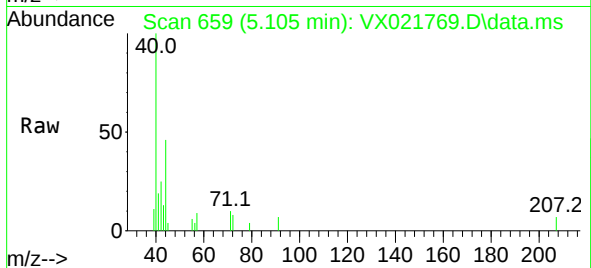
Acq: 20 Apr 2021 21:25

Instrument :

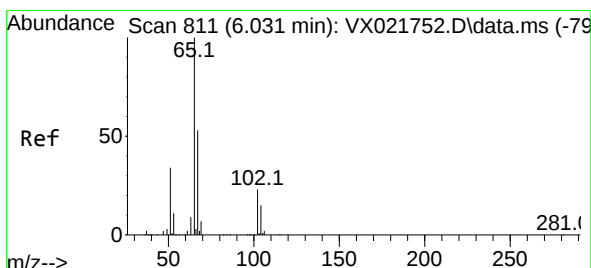
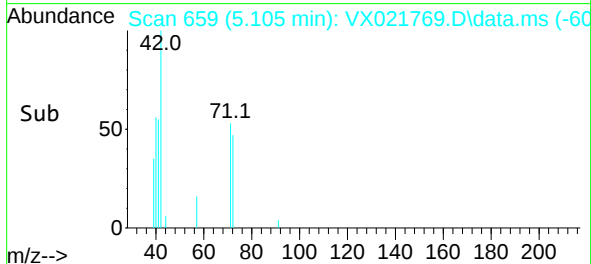
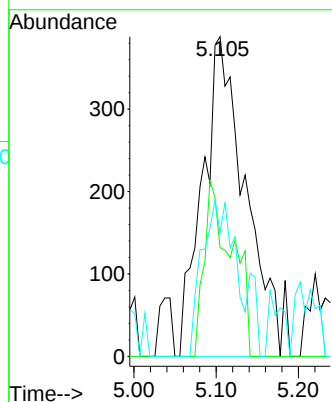
MSVOA_X

ClientSampleId :

PB135856ZHE#03



Tgt Ion:	42	Resp:	1398
Ion Ratio	Lower	Upper	
42	100		
72	25.9	41.7	62.5#
71	37.1	38.4	57.6#



#33

1,2-Dichloroethane-d4

Concen: 50.08 ug/l

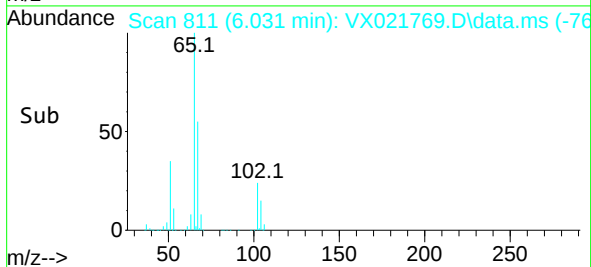
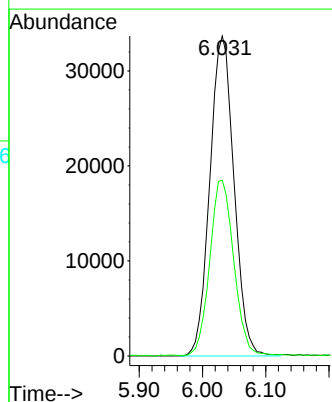
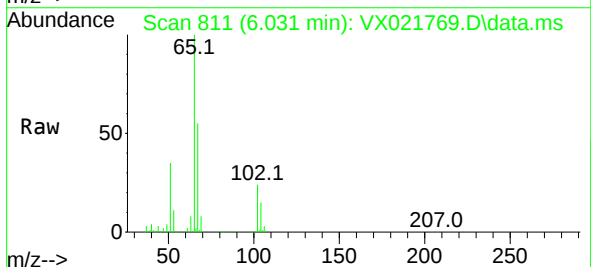
RT: 6.031 min Scan# 811

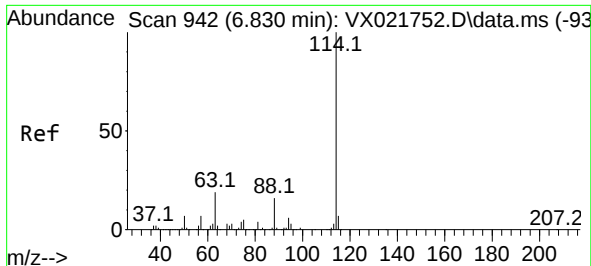
Delta R.T. 0.000 min

Lab File: VX021769.D

Acq: 20 Apr 2021 21:25

Tgt Ion:	65	Resp:	89269
Ion Ratio	Lower	Upper	
65	100		
67	54.4	0.0	105.4

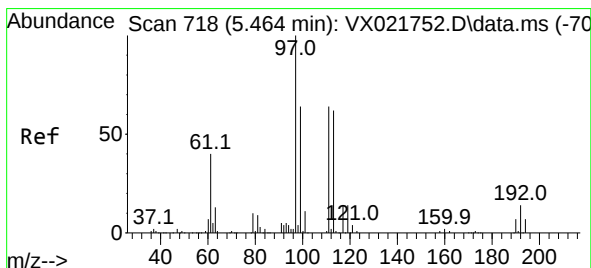
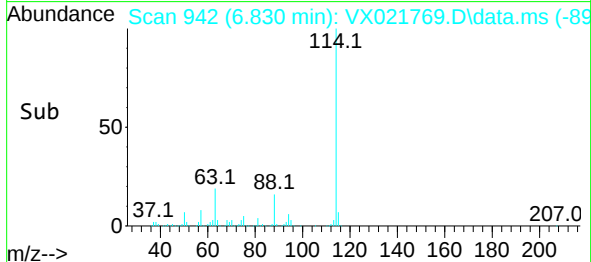
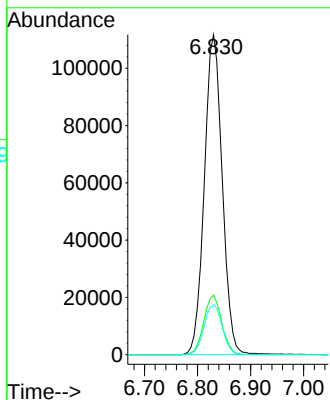
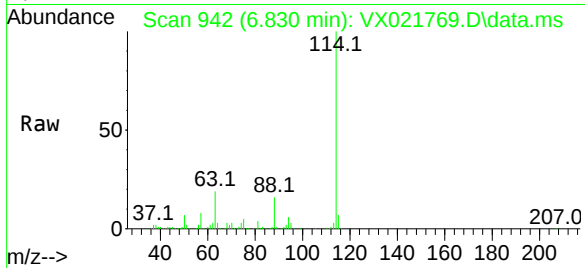




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

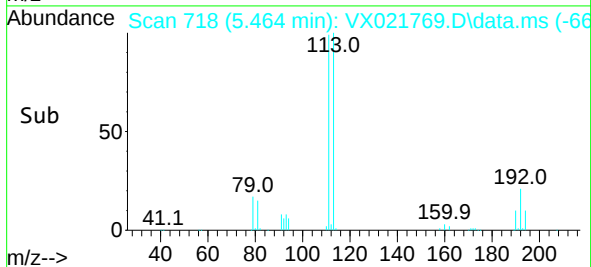
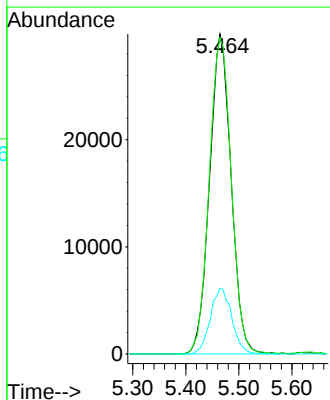
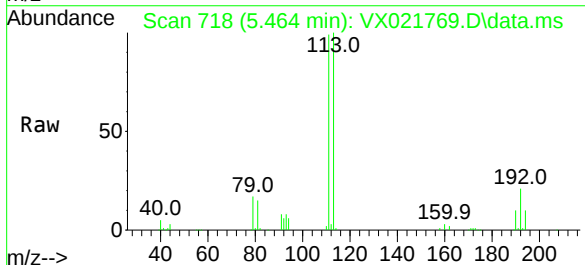
Instrument :
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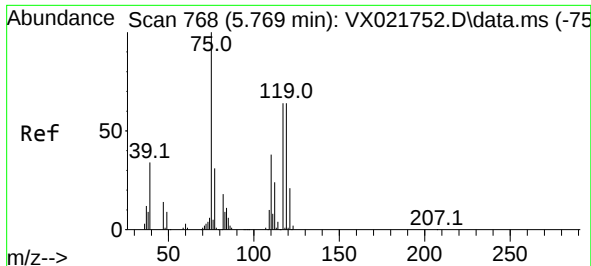
Tgt Ion:114 Resp: 262267
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.23 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion:113 Resp: 84245
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 20.4 16.7 25.1

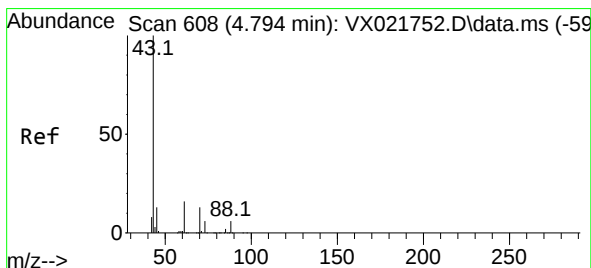
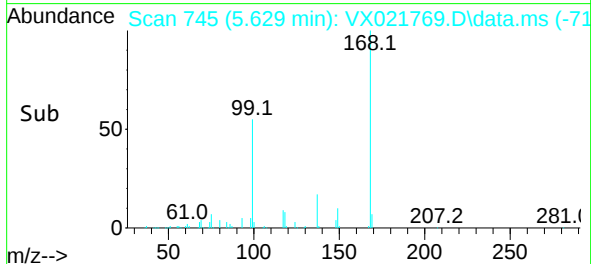
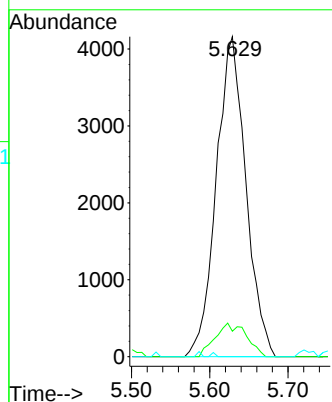
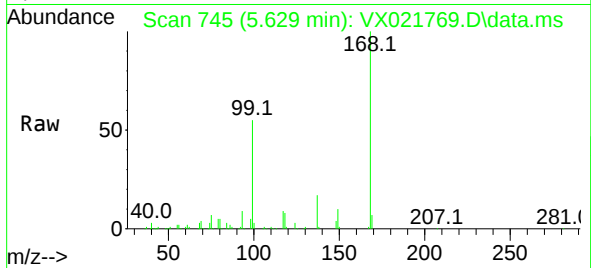




#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

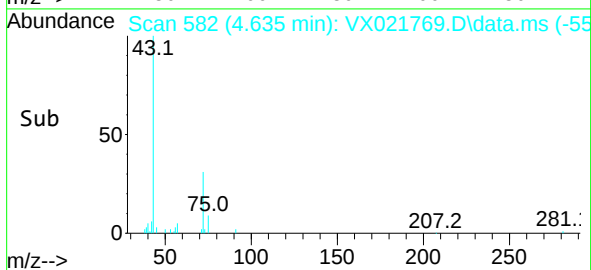
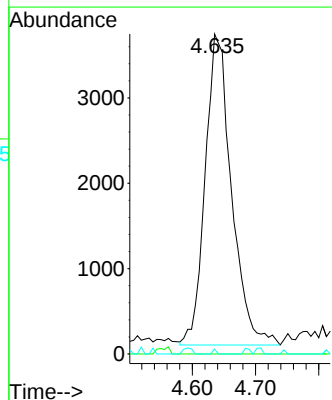
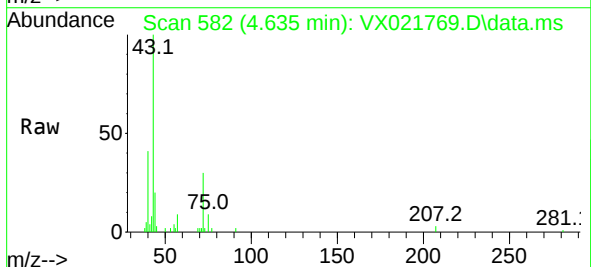
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

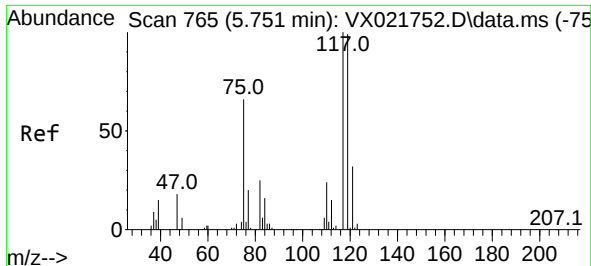
Tgt Ion: 75 Resp: 10931
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.86 ug/l
RT: 4.635 min Scan# 582
Delta R.T. -0.159 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

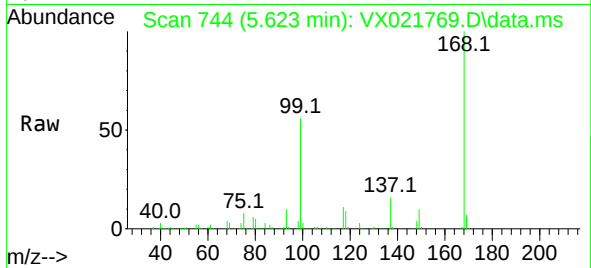
Tgt Ion: 43 Resp: 10578
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.2 10.5 15.7#



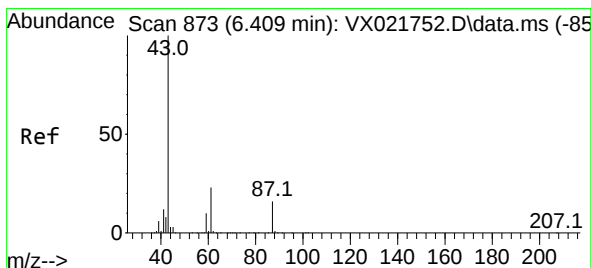
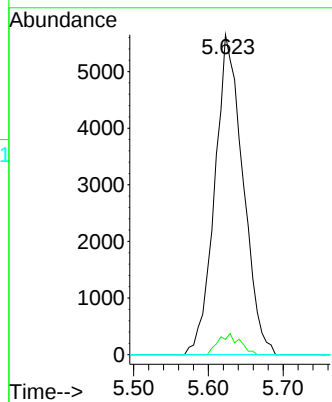
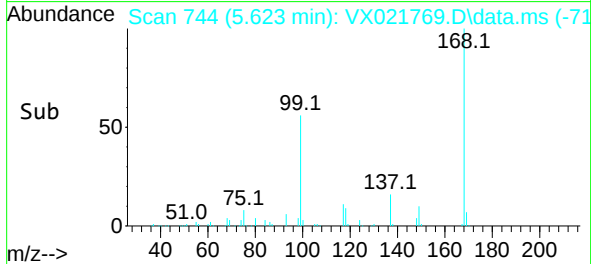


#38
Carbon Tetrachloride
Concen: 5.86 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

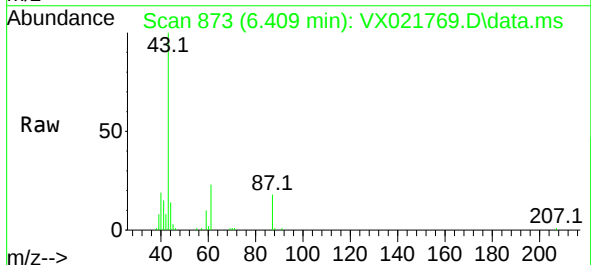
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03



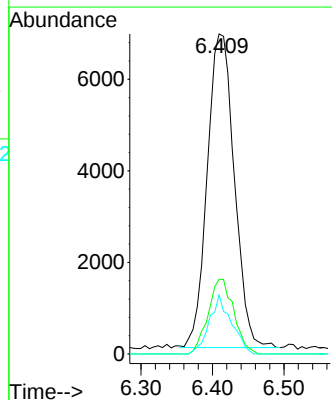
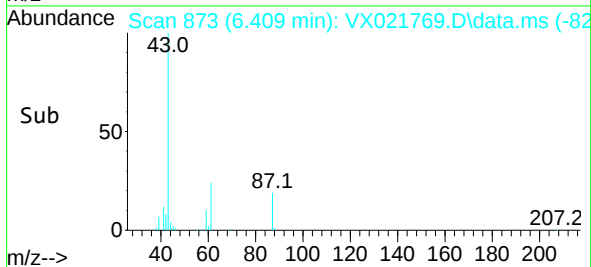
Tgt Ion: 117 Resp: 14864
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

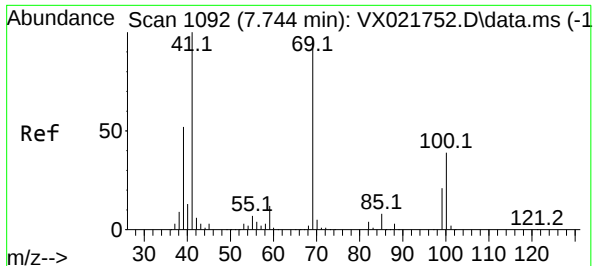


#43
Isopropyl Acetate
Concen: 4.73 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25



Tgt Ion: 43 Resp: 18027
Ion Ratio Lower Upper
43 100
61 22.5 18.2 27.4
87 15.3 12.5 18.7

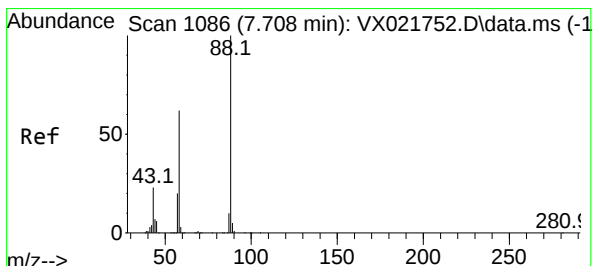
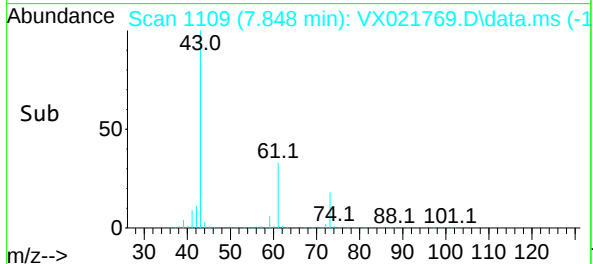
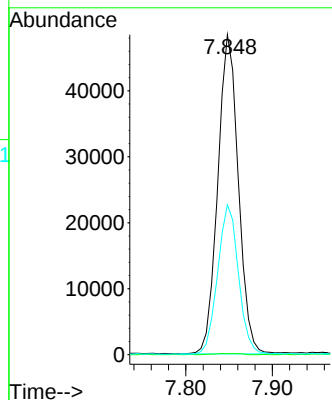
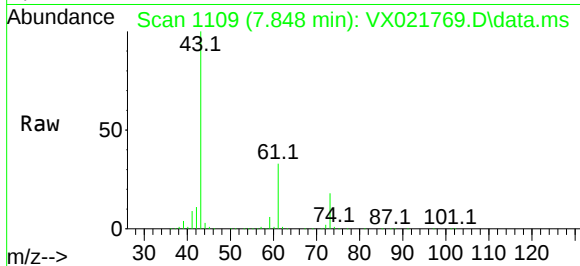




#48
Methyl methacrylate
Concen: 43.02 ug/l
RT: 7.848 min Scan# 1109
Delta R.T. 0.104 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

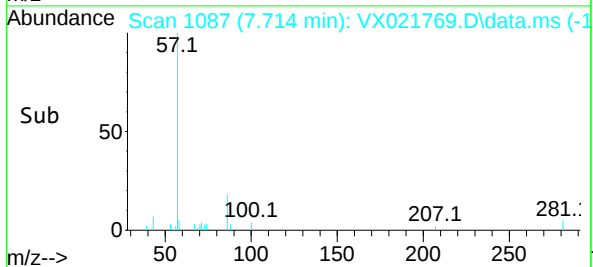
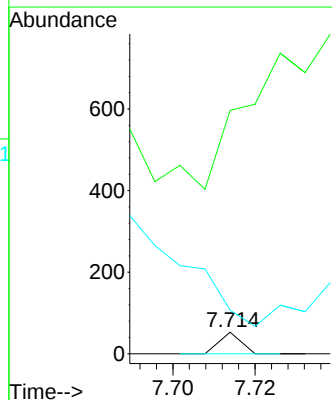
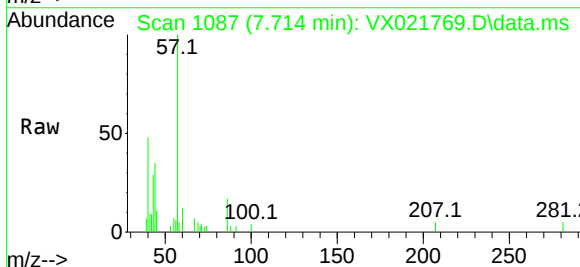
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

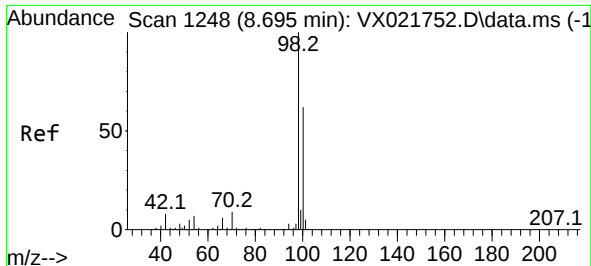
Tgt Ion: 41 Resp: 79819
Ion Ratio Lower Upper
41 100
69 0.5 76.0 114.0#
39 47.5 44.6 67.0



#49
1,4-Dioxane
Concen: 0.44 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#

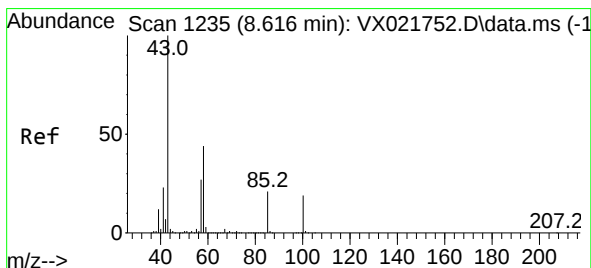
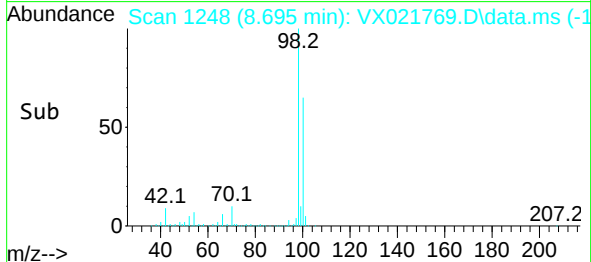
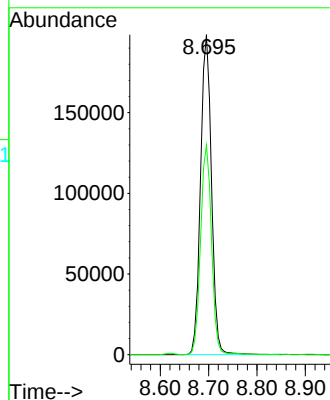
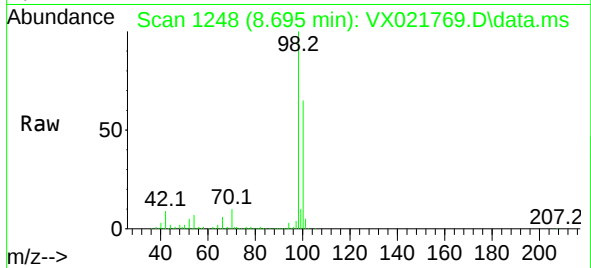




#50
Toluene-d8
Concen: 48.25 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

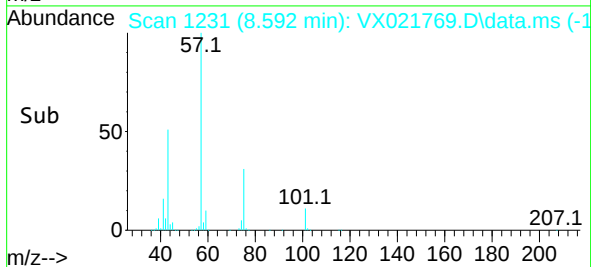
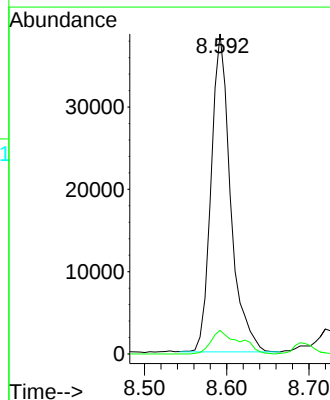
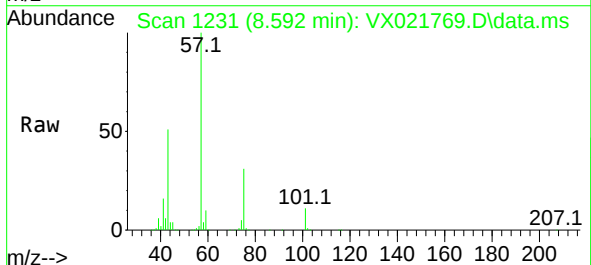
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

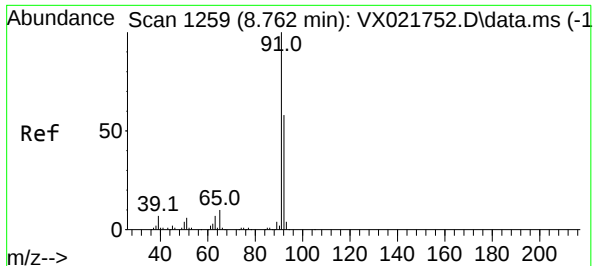
Tgt Ion: 98 Resp: 311137
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.09 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 43 Resp: 63471
Ion Ratio Lower Upper
43 100
58 10.9 35.4 53.0#

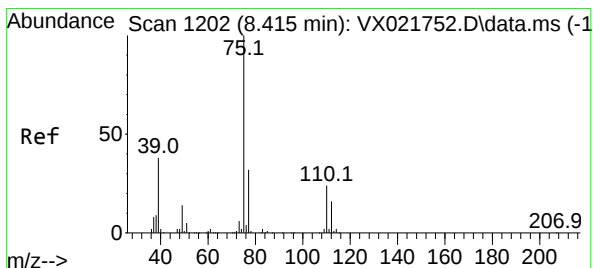
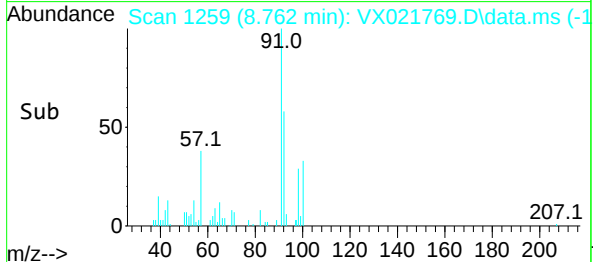
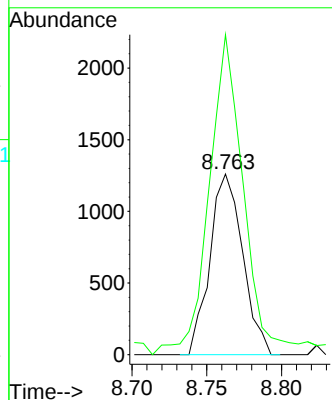
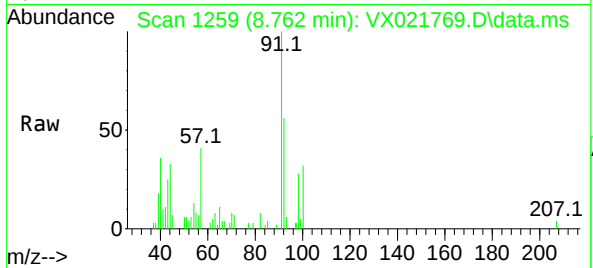




#52
Toluene
Concen: 0.43 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

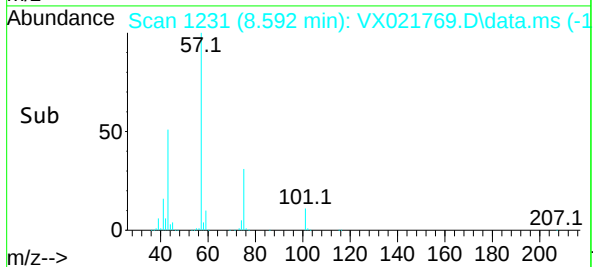
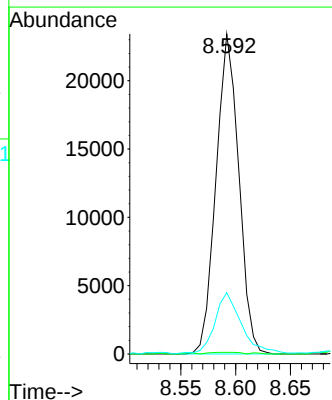
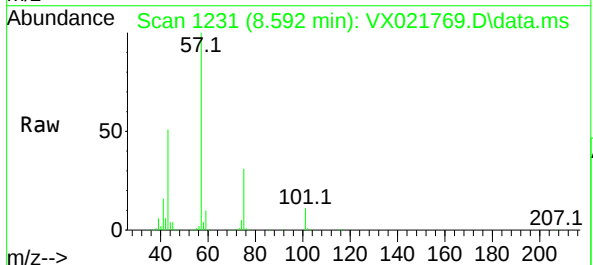
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

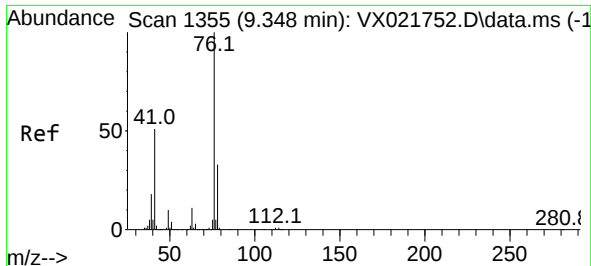
Tgt Ion: 92 Resp: 1923
Ion Ratio Lower Upper
92 100
91 190.2 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 11.02 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.177 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 75 Resp: 33868
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 18.9 35.1 52.7#

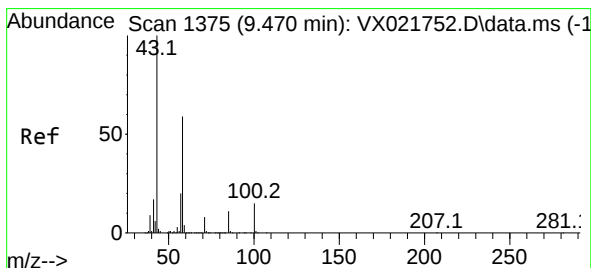
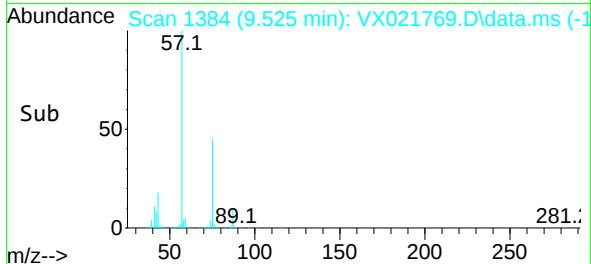
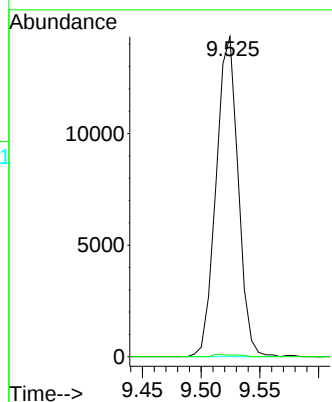
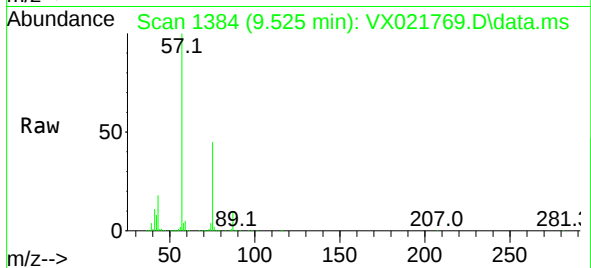




#57
1,3-Dichloropropane
Concen: 6.35 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

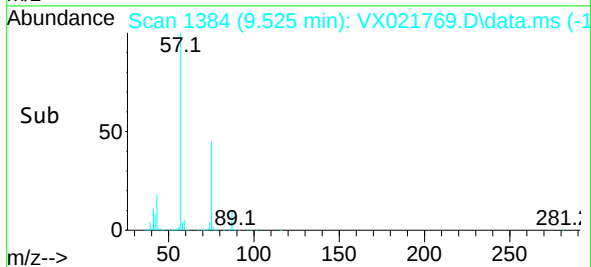
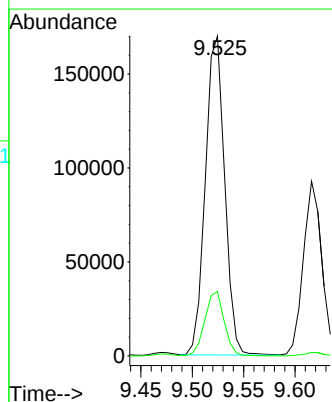
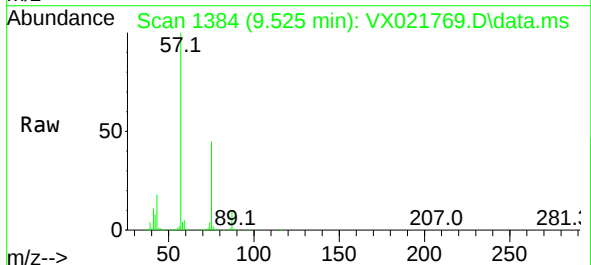
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

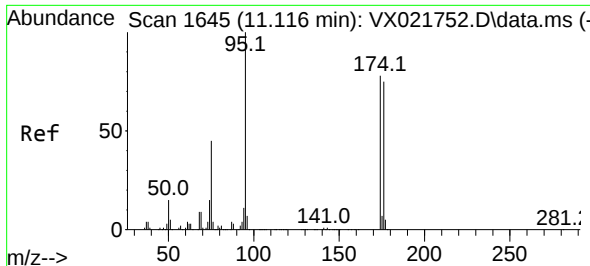
Tgt Ion: 76 Resp: 18752
Ion Ratio Lower Upper
76 100
78 0.8 26.2 39.2#



#59
2-Hexanone
Concen: 135.92 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 43 Resp: 222302
Ion Ratio Lower Upper
43 100
58 20.4 30.9 92.8#

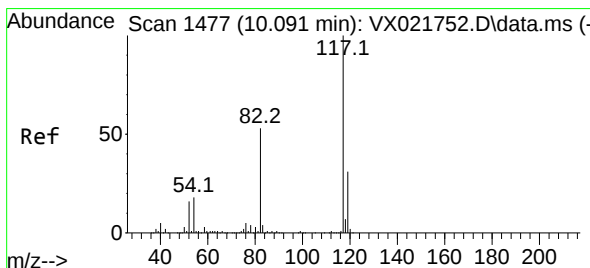
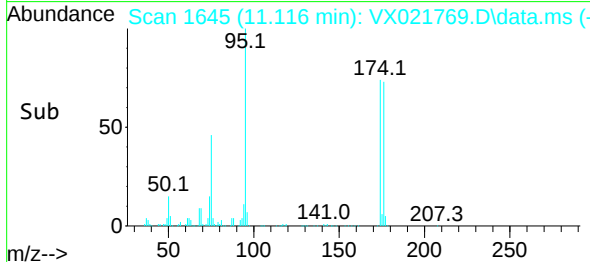
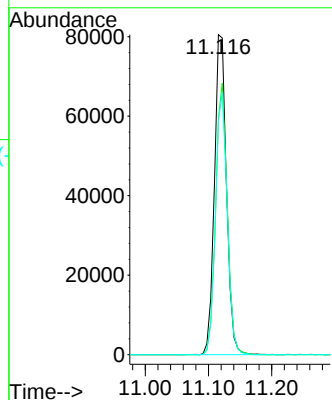
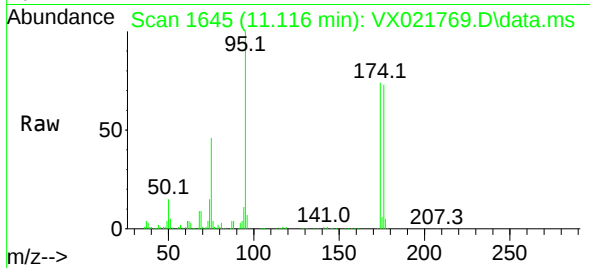




#62
4-Bromofluorobenzene
Concen: 44.22 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

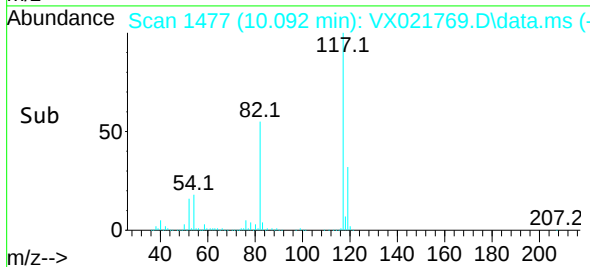
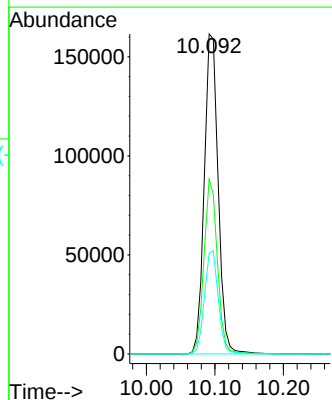
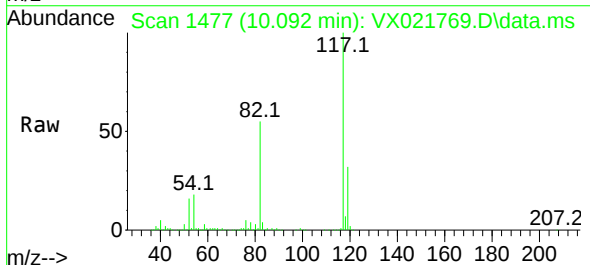
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

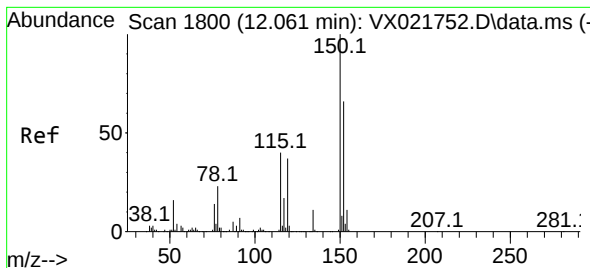
Tgt Ion: 95 Resp: 106502
Ion Ratio Lower Upper
95 100
174 81.8 0.0 154.6
176 79.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 117 Resp: 228746
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 31.5 26.6 39.8

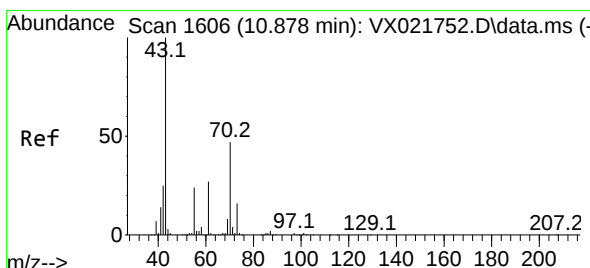
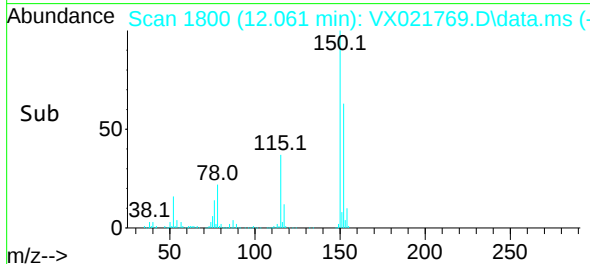
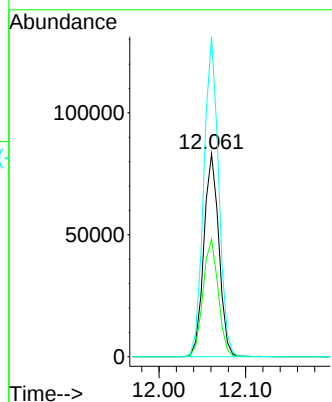
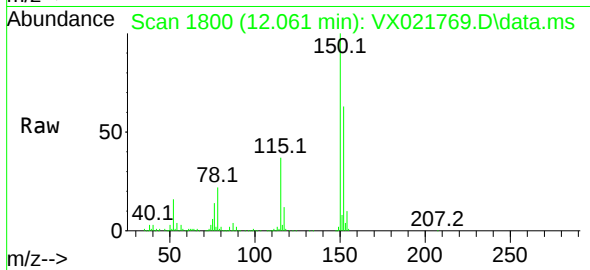




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

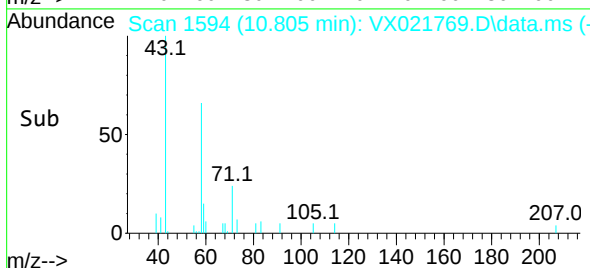
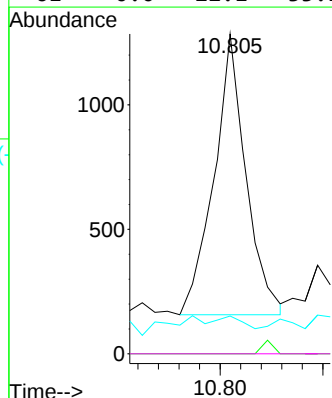
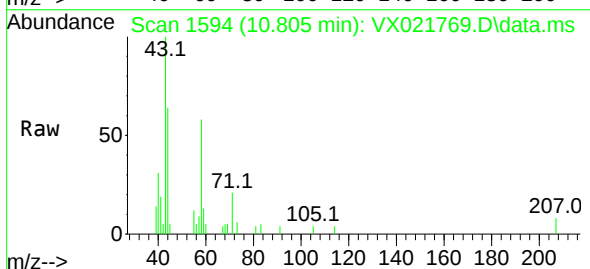
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#03

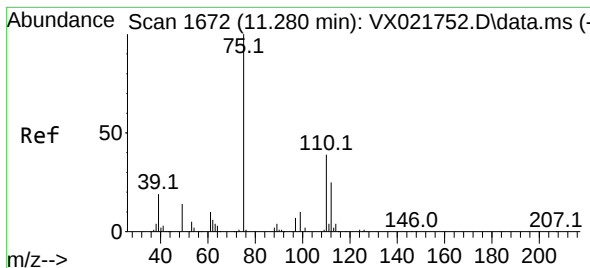
Tgt Ion:152 Resp: 100030
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 156.5 0.0 349.0



#74
N-ethyl acetate
Concen: 0.45 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX021769.D
Acq: 20 Apr 2021 21:25

Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 8.1 21.5 32.3#
61 0.0 22.1 33.1#





#76

1,2,3-Trichloropropane

Concen: 24.35 ug/l

RT: 11.116 min Scan# 1645

Delta R.T. -0.164 min

Lab File: VX021769.D

Acq: 20 Apr 2021 21:25

Instrument :

MSVOA_X

ClientSampleId :

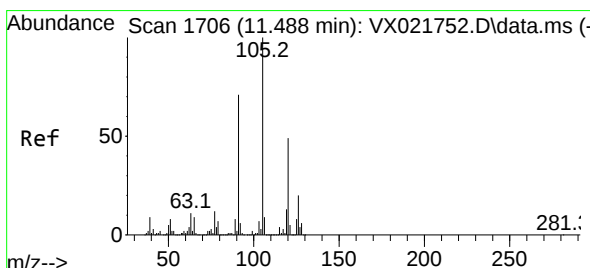
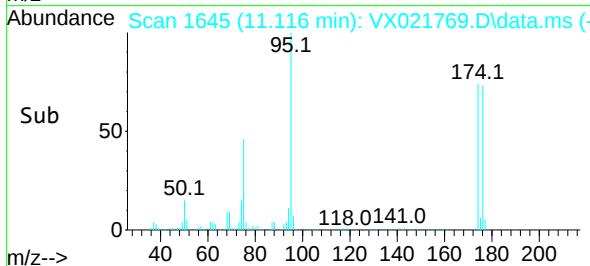
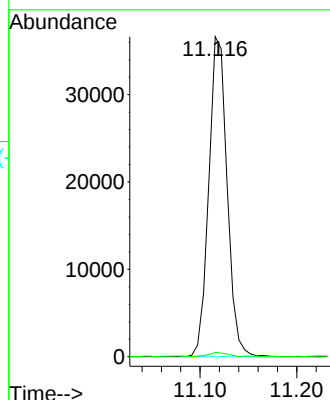
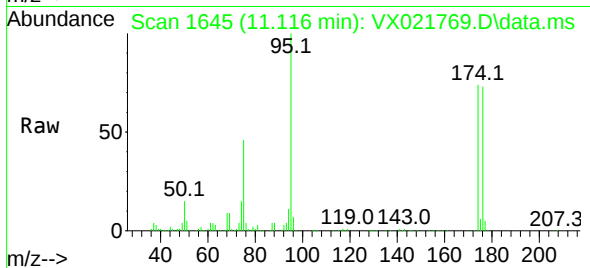
PB135856ZHE#03

Tgt Ion: 75 Resp: 48302

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.40 ug/l

RT: 11.488 min Scan# 1706

Delta R.T. -0.000 min

Lab File: VX021769.D

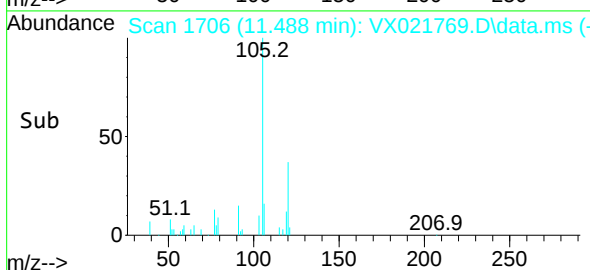
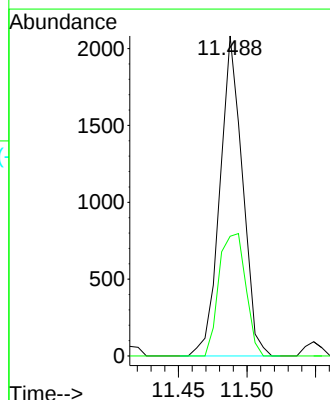
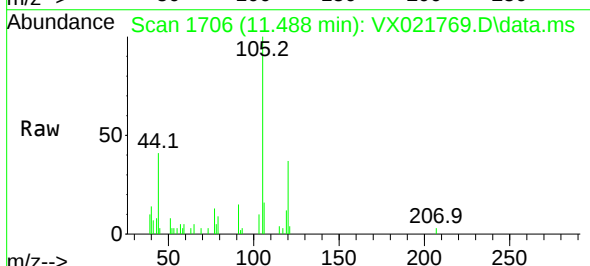
Acq: 20 Apr 2021 21:25

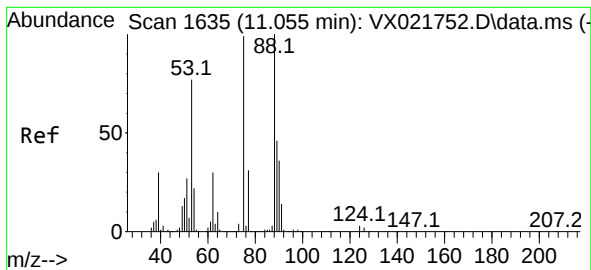
Tgt Ion: 105 Resp: 2381

Ion Ratio Lower Upper

105 100

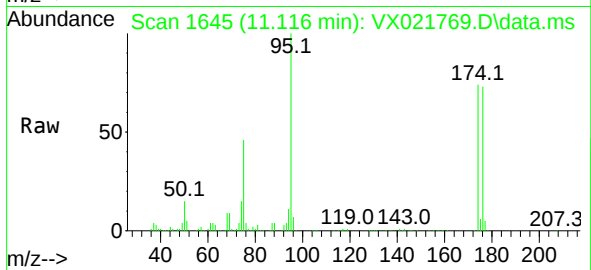
120 45.2 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.99 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. 0.061 min
 Lab File: VX021769.D
 Acq: 20 Apr 2021 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135856ZHE#03



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

