

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021767.D
 Acq On : 20 Apr 2021 20:39
 Operator : JC/MD
 Sample : PB135856ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135856ZHE#01

Quant Time: Apr 21 11:24:37 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)

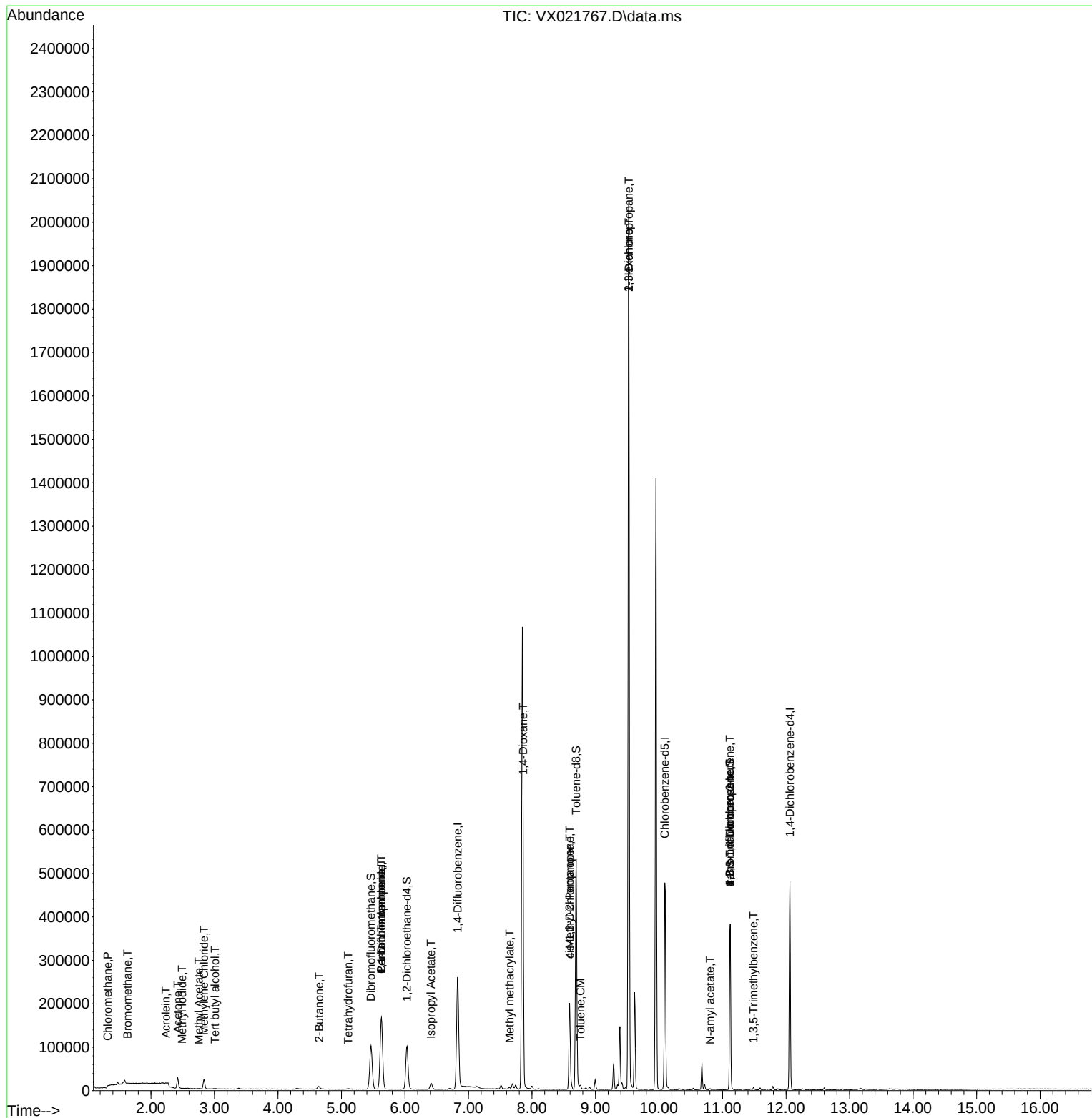
Internal Standards						
1) Pentafluorobenzene	5.629	168	167508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	275720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	241824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	103337	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	94563	49.76	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.52%		
35) Dibromofluoromethane	5.465	113	87360	49.55	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.10%		
50) Toluene-d8	8.696	98	326519	48.16	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.32%		
62) 4-Bromofluorobenzene	11.116	95	108581	42.89	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.78%		
Target Compounds					Qvalue	
3) Chloromethane	1.319	50	3911	2.14	ug/l	93
5) Bromomethane	1.630	94	178	0.21	ug/l #	55
10) Methyl Iodide	2.489	142	288	8.34	ug/l #	89
11) Tert butyl alcohol	3.008	59	1455	3.50	ug/l	98
13) Acrolein	2.233	56	133	0.40	ug/l #	1
16) Acetone	2.422	43	25152	38.50	ug/l	98
18) Methyl Acetate	2.752	43	1223	0.69	ug/l	97
20) Methylene Chloride	2.837	84	10773	5.50	ug/l	90
25) 2-Butanone	4.648	43	10434	9.43	ug/l #	88
29) Tetrahydrofuran	5.105	42	1411	1.96	ug/l #	76
36) 1,1-Dichloropropene	5.629	75	11156	4.58	ug/l #	49
38) Carbon Tetrachloride	5.629	117	15793	5.93	ug/l #	18
43) Isopropyl Acetate	6.409	43	18616	4.65	ug/l	97
48) Methyl methacrylate	7.647	41	4660	2.39	ug/l #	10
49) 1,4-Dioxane	7.860	88	132	2.88	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	65487	28.55	ug/l #	49
52) Toluene	8.763	92	1947	0.41	ug/l	100
54) cis-1,3-Dichloropropene	8.592	75	34666	10.73	ug/l #	54
57) 1,3-Dichloropropane	9.525	76	19415	6.25	ug/l #	43
59) 2-Hexanone	9.525	43	225813	131.33	ug/l #	47
74) N-amyl acetate	10.805	43	1155	0.41	ug/l #	44
76) 1,2,3-Trichloropropane	11.116	75	50572	24.68	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2257	0.37	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.116	75	50572	56.75	ug/l #	12

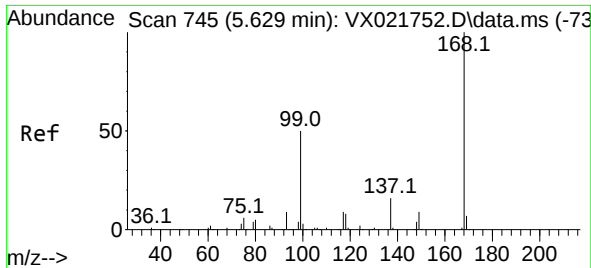
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
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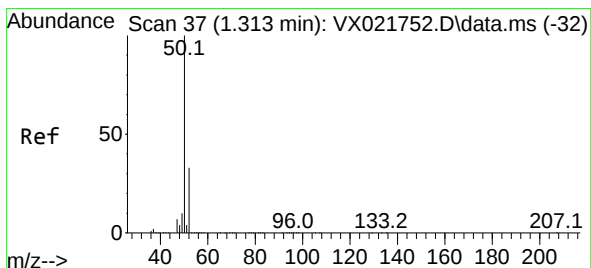
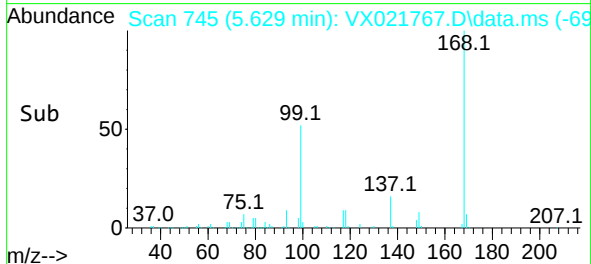
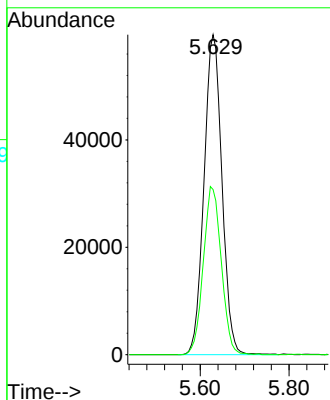
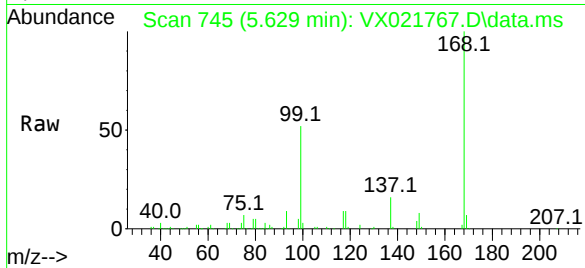




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

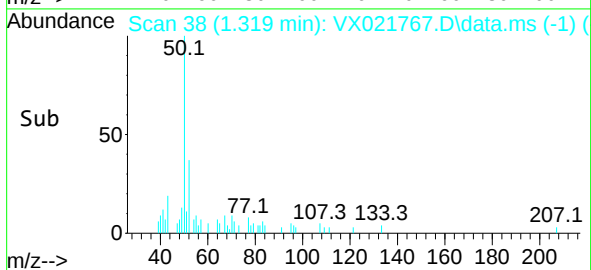
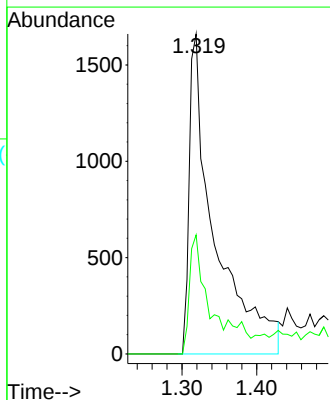
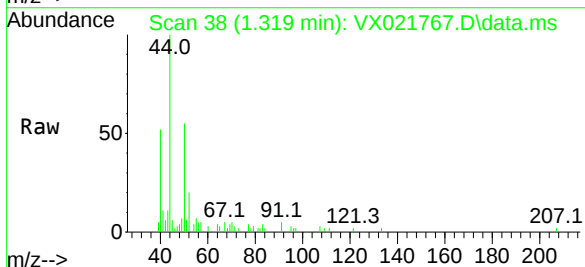
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

Tgt Ion:168 Resp: 167508
Ion Ratio Lower Upper
168 100
99 51.6 45.8 68.6



#3
Chloromethane
Concen: 2.14 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 50 Resp: 3911
Ion Ratio Lower Upper
50 100
52 37.2 26.4 39.6

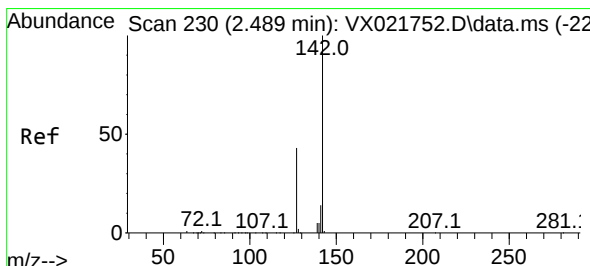
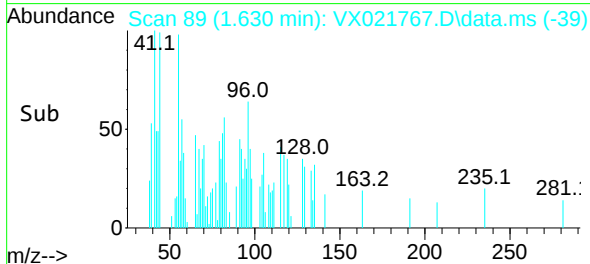
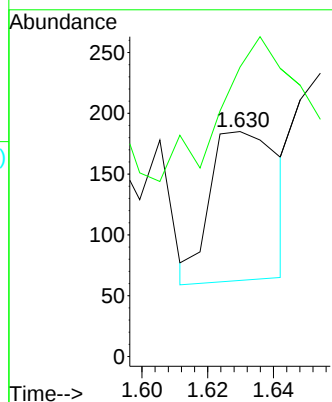
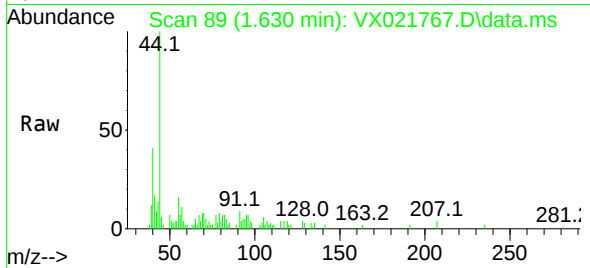




#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.007 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

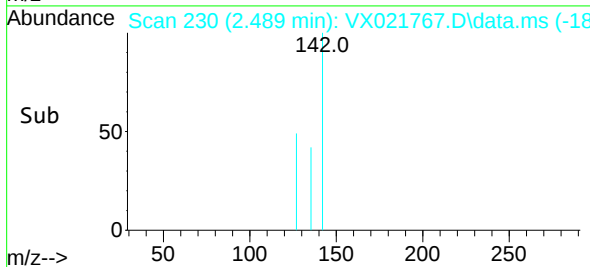
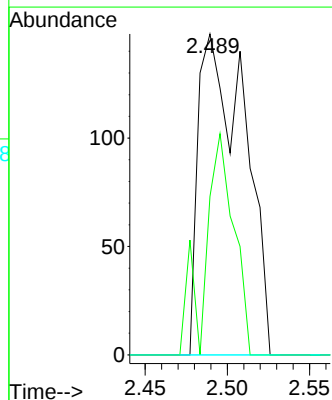
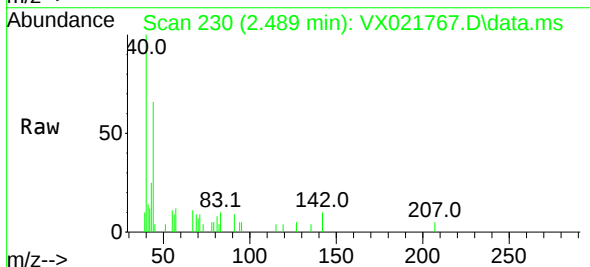
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

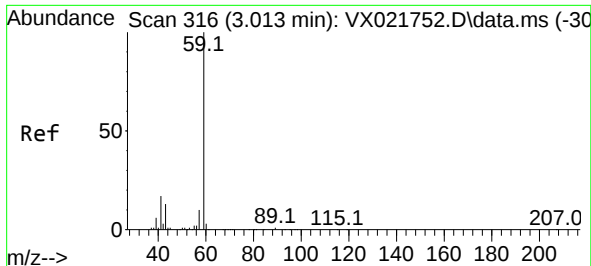
Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 51.9 76.4 114.6#



#10
Methyl Iodide
Concen: 8.34 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 142 Resp: 288
Ion Ratio Lower Upper
142 100
127 43.4 33.3 49.9
141 0.0 11.4 17.0#

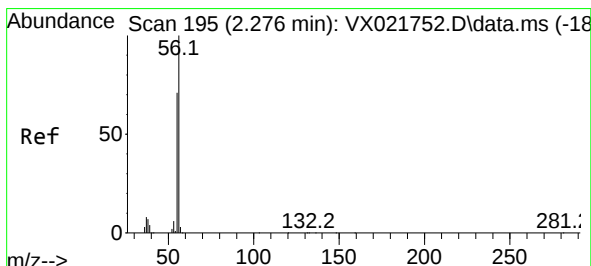
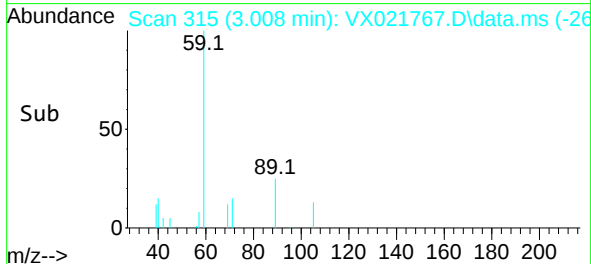
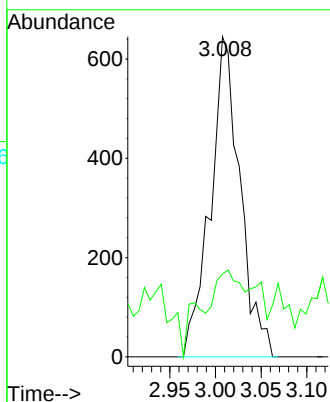
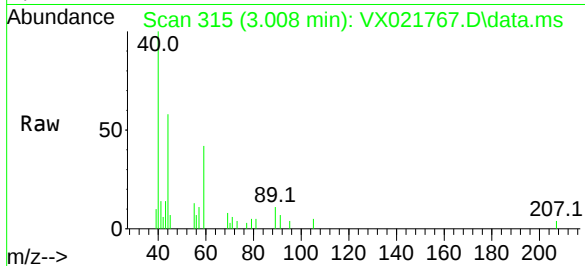




#11
Tert butyl alcohol
Concen: 3.50 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.005 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

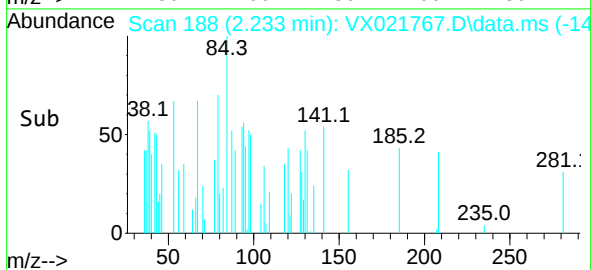
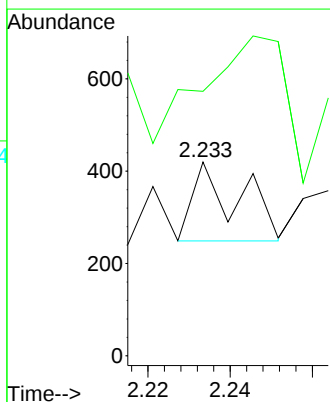
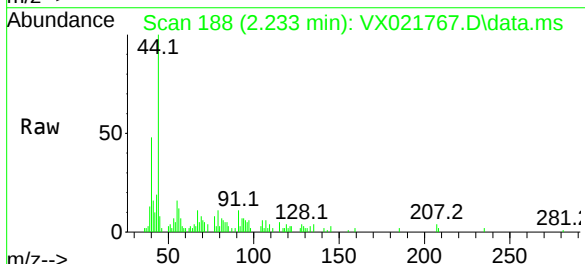
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

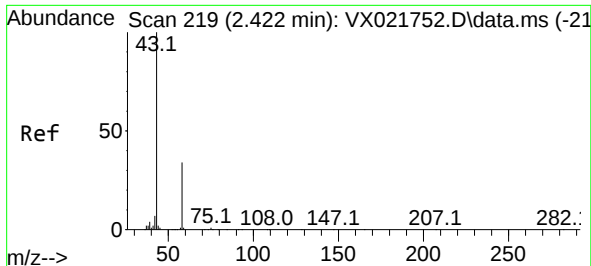
Tgt Ion: 59 Resp: 1455
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8



#13
Acrolein
Concen: 0.40 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.043 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 241.4 56.4 84.6#

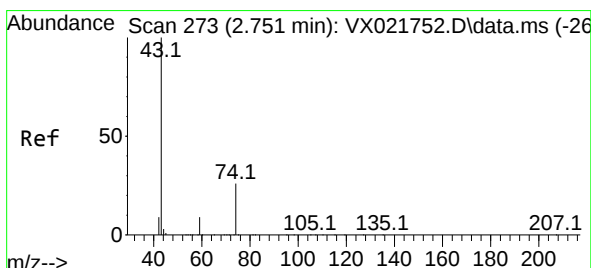
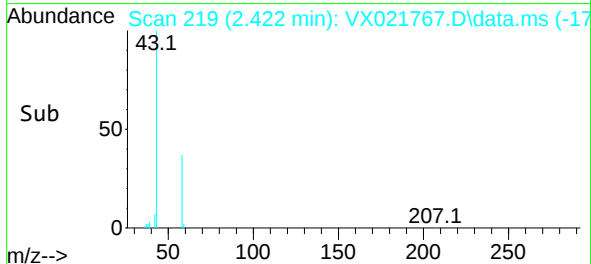
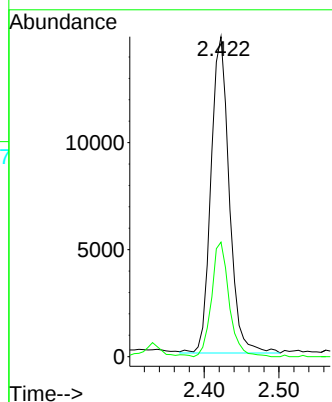
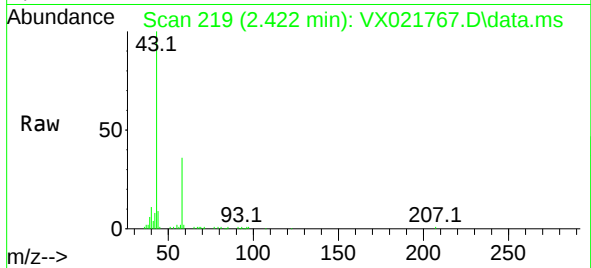




#16
Acetone
Concen: 38.50 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

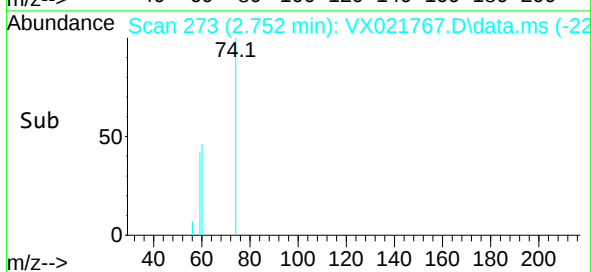
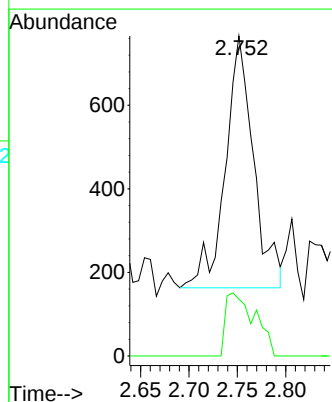
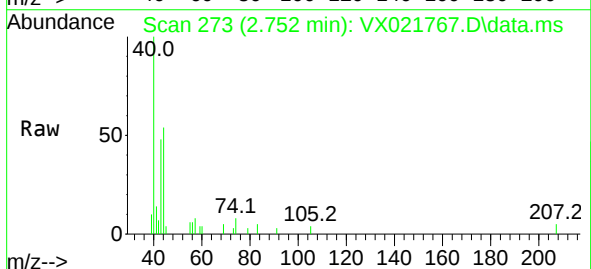
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

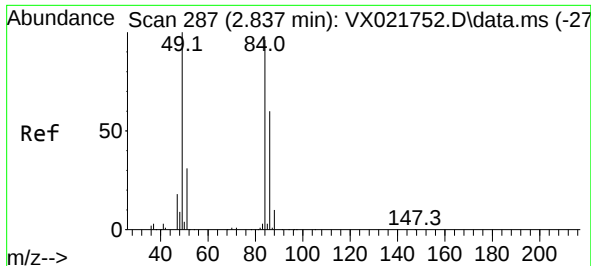
Tgt Ion: 43 Resp: 25152
Ion Ratio Lower Upper
43 100
58 36.2 27.8 41.8



#18
Methyl Acetate
Concen: 0.69 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.001 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 43 Resp: 1223
Ion Ratio Lower Upper
43 100
74 25.8 21.9 32.9





#20

Methylene Chloride

Concen: 5.50 ug/l

RT: 2.837 min Scan# 287

Delta R.T. -0.000 min

Lab File: VX021767.D

Acq: 20 Apr 2021 20:39

Instrument :

MSVOA_X

ClientSampleId :

PB135856ZHE#01

Tgt Ion: 84 Resp: 10773

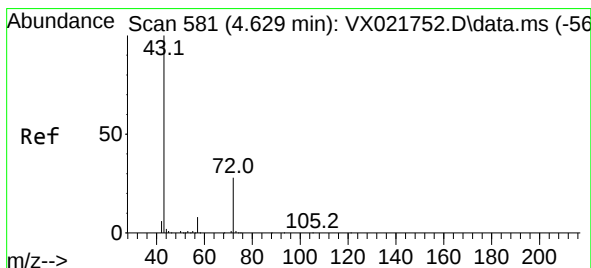
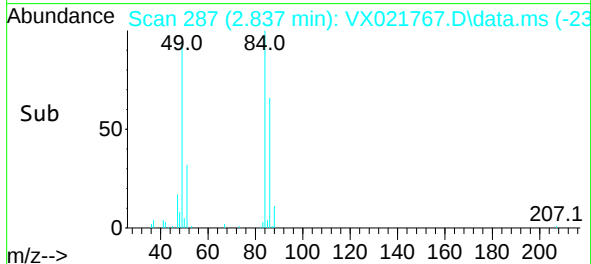
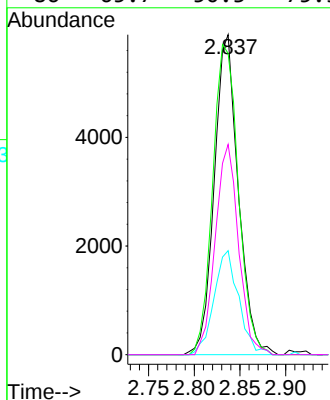
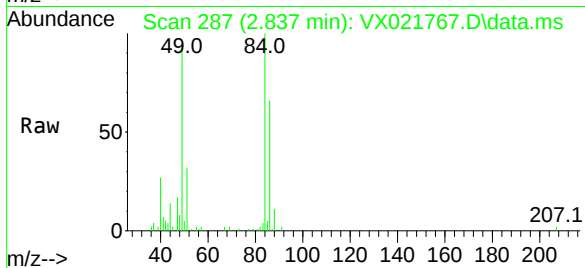
Ion Ratio Lower Upper

84 100

49 94.1 88.6 132.8

51 32.5 27.0 40.6

86 65.7 50.3 75.5



#25

2-Butanone

Concen: 9.43 ug/l

RT: 4.648 min Scan# 584

Delta R.T. 0.019 min

Lab File: VX021767.D

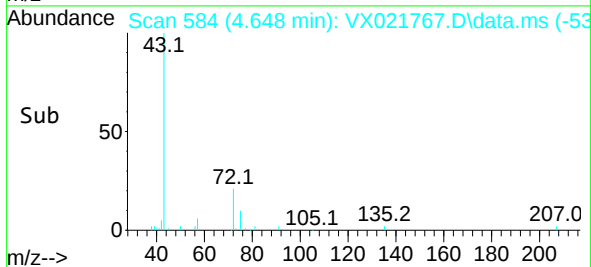
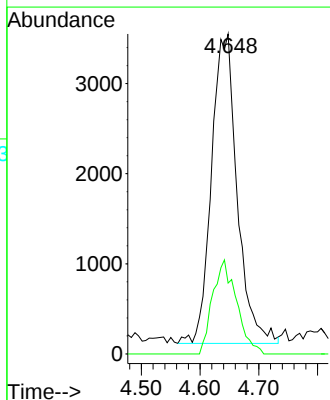
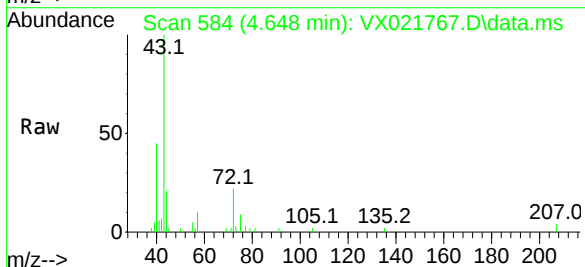
Acq: 20 Apr 2021 20:39

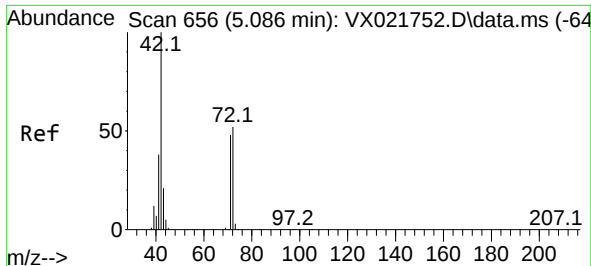
Tgt Ion: 43 Resp: 10434

Ion Ratio Lower Upper

43 100

72 22.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.96 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.019 min

Lab File: VX021767.D

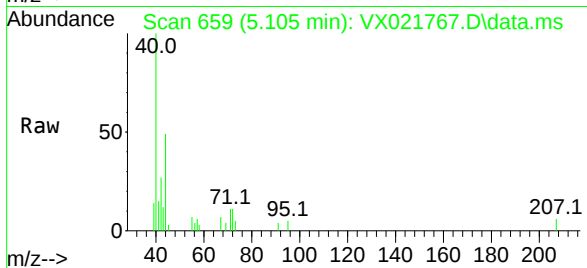
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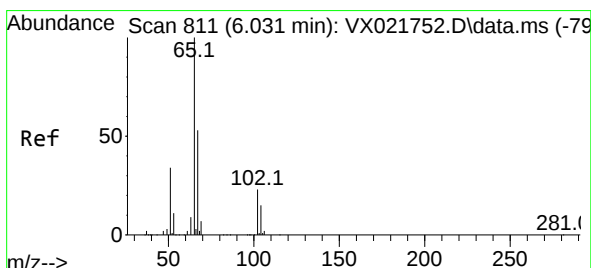
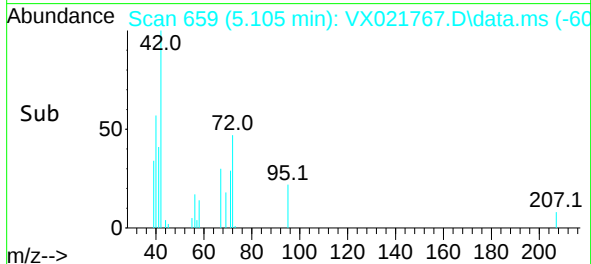
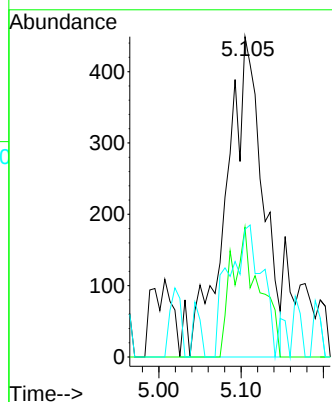
Tgt Ion: 42 Resp: 1411

Ion Ratio Lower Upper

42 100

72 30.1 41.7 62.5#

71 36.4 38.4 57.6#



#33

1,2-Dichloroethane-d4

Concen: 49.76 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021767.D

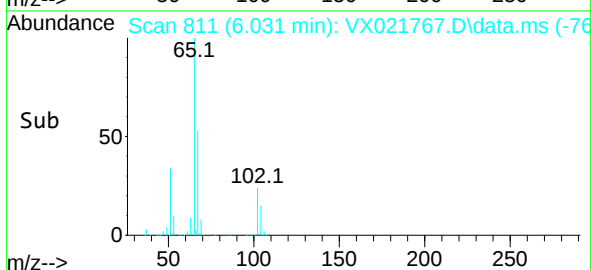
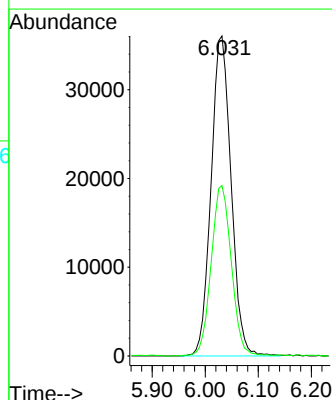
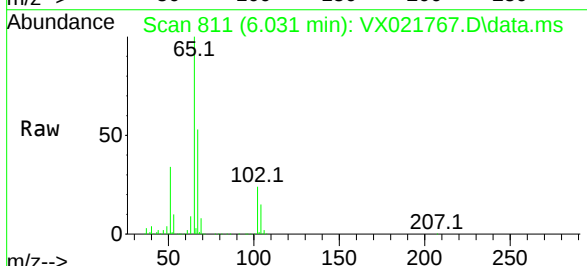
Acq: 20 Apr 2021 20:39

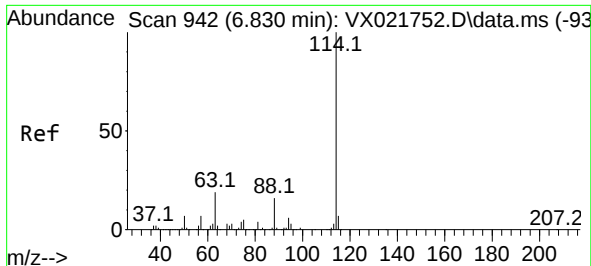
Tgt Ion: 65 Resp: 94563

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.4

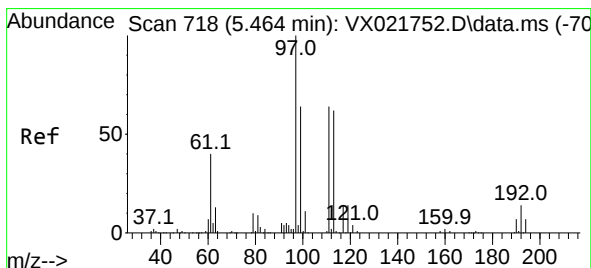
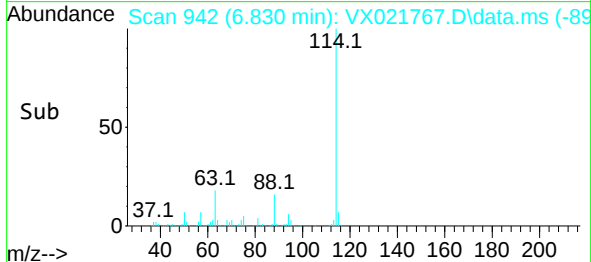
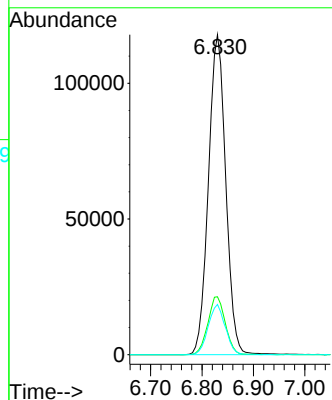
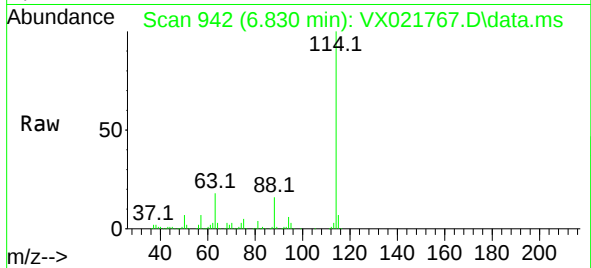




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

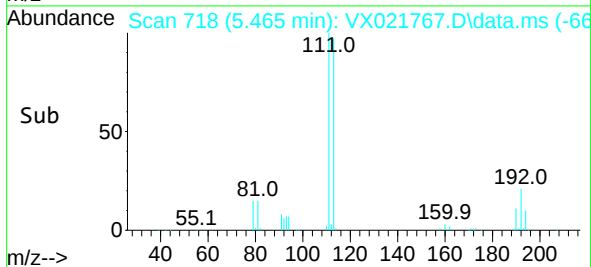
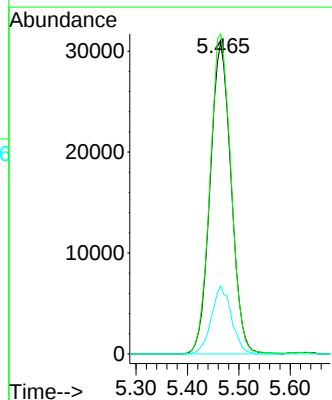
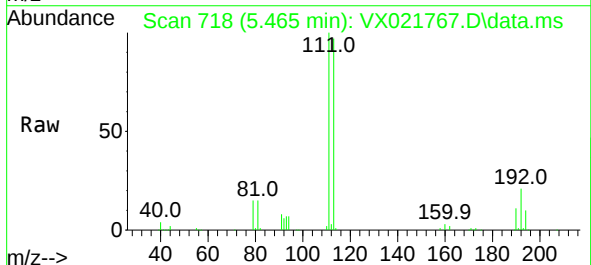
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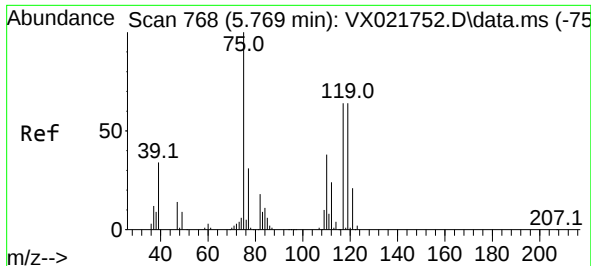
Tgt Ion:114 Resp: 275720
Ion Ratio Lower Upper
114 100
63 18.1 0.0 40.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.55 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

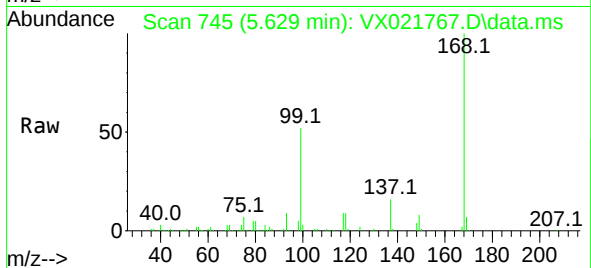
Tgt Ion:113 Resp: 87360
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 20.9 16.7 25.1



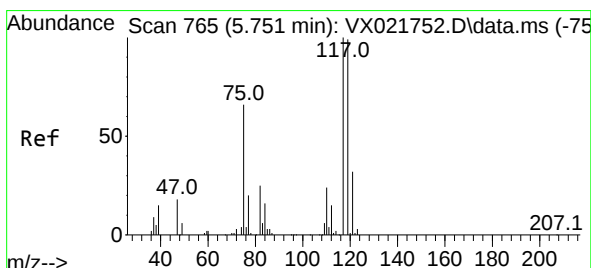
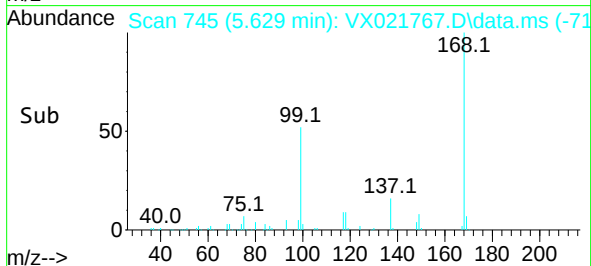
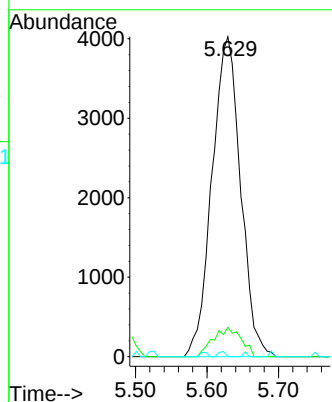


#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

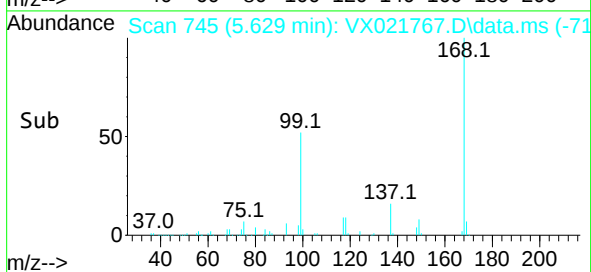
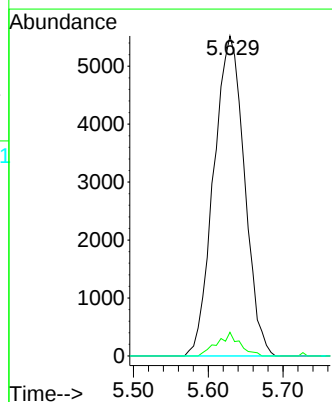
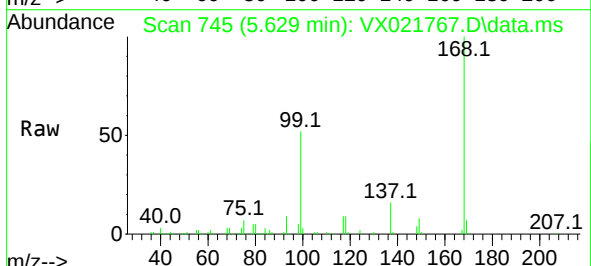


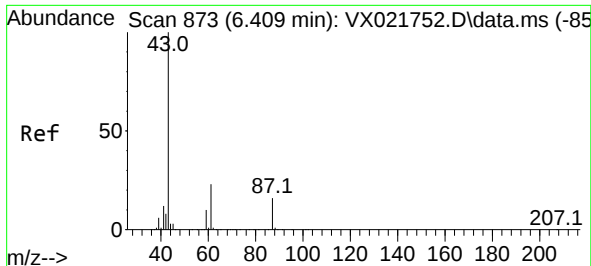
Tgt Ion: 75 Resp: 11156
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.4 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.93 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 117 Resp: 15793
Ion Ratio Lower Upper
117 100
119 7.4 76.2 114.2#
121 0.0 24.8 37.2#

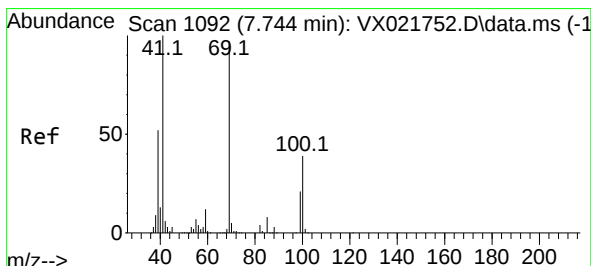
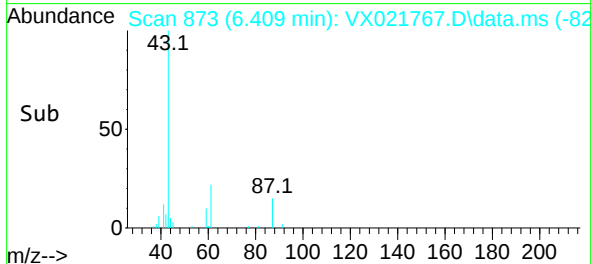
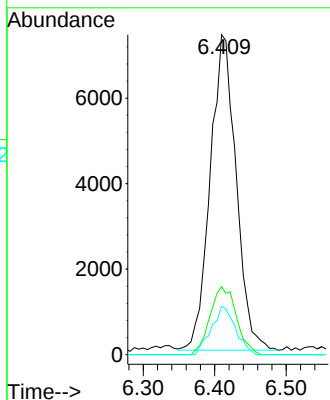
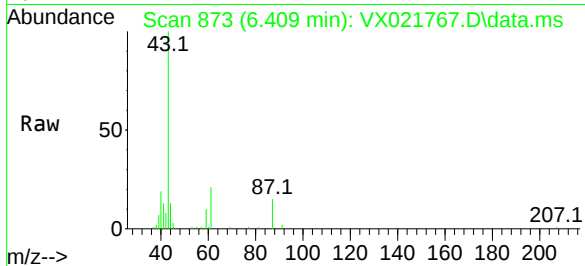




#43
Isopropyl Acetate
Concen: 4.65 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

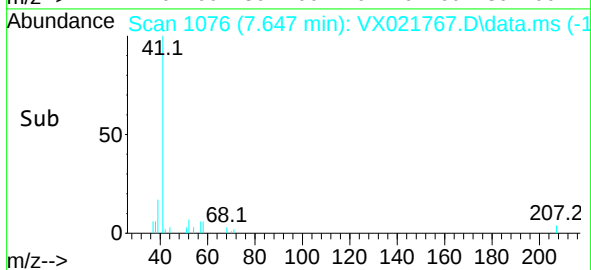
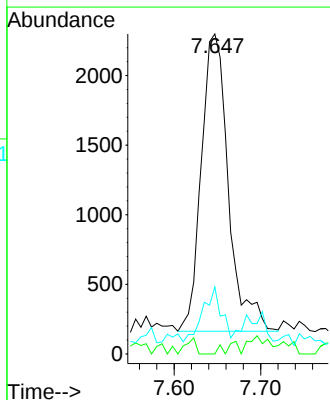
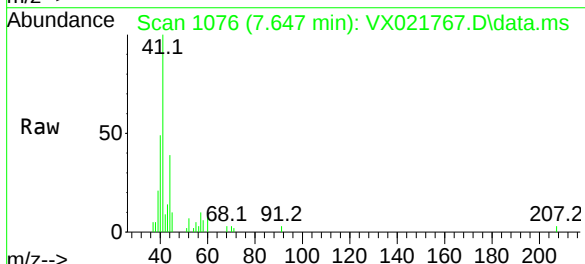
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

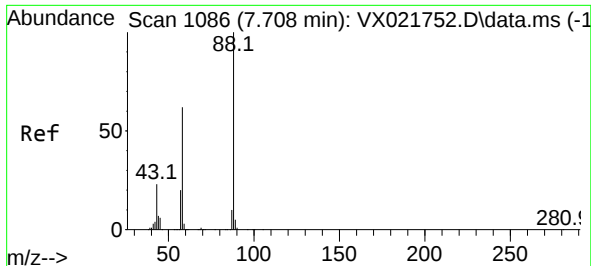
Tgt Ion:	43	Resp:	18616
Ion	Ratio	Lower	Upper
43	100		
61	21.9	18.2	27.4
87	14.1	12.5	18.7



#48
Methyl methacrylate
Concen: 2.39 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.097 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion:	41	Resp:	4660
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 2.88 ug/l

RT: 7.860 min Scan# 1111

Delta R.T. 0.152 min

Lab File: VX021767.D

Acq: 20 Apr 2021 20:39

Instrument :

MSVOA_X

ClientSampleId :

PB135856ZHE#01

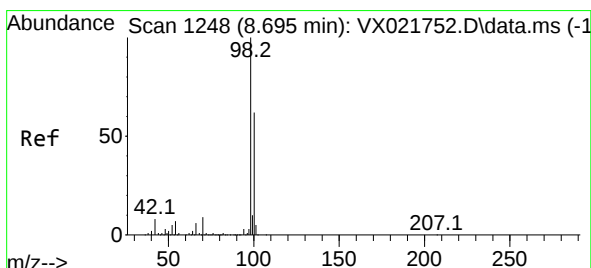
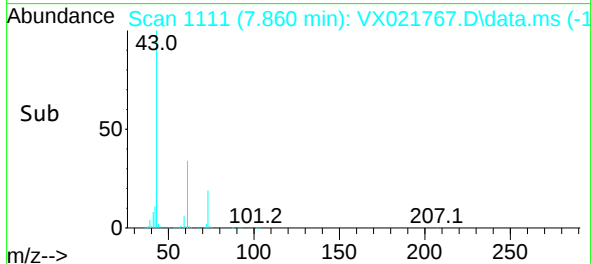
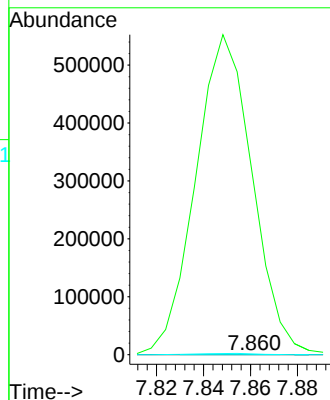
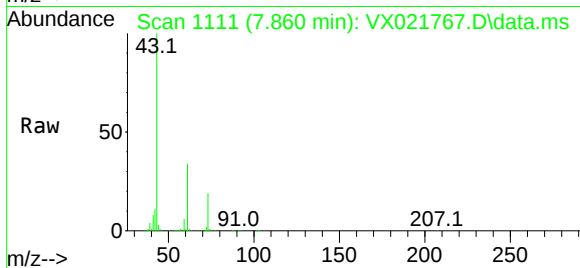
Tgt Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 708574.2 23.2 34.8#

58 2892.4 55.0 82.4#



#50

Toluene-d8

Concen: 48.16 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.001 min

Lab File: VX021767.D

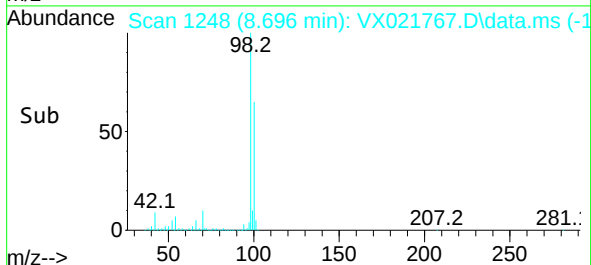
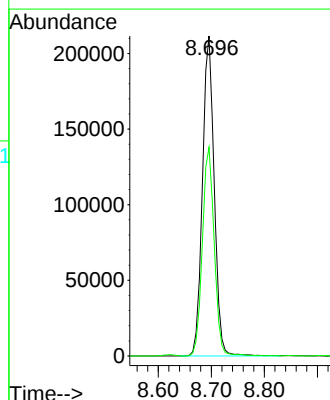
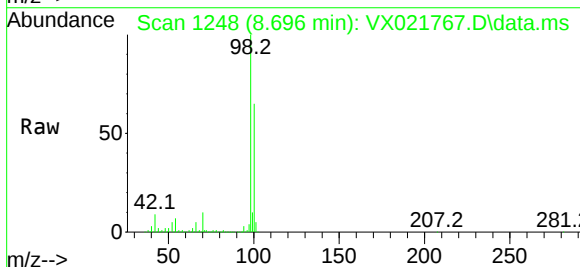
Acq: 20 Apr 2021 20:39

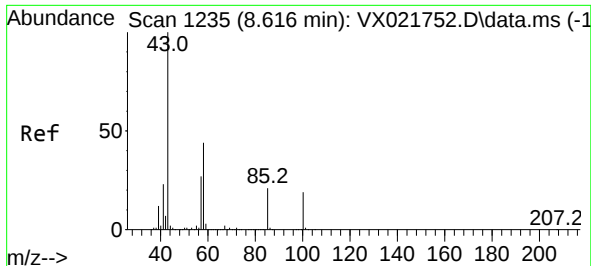
Tgt Ion: 98 Resp: 326519

Ion Ratio Lower Upper

98 100

100 65.7 51.9 77.9

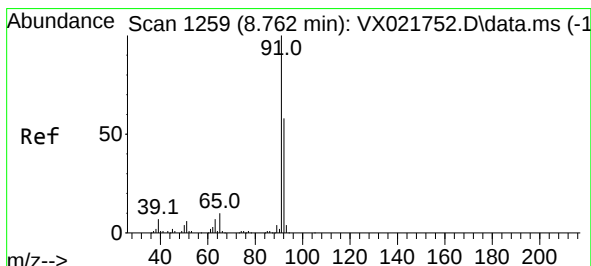
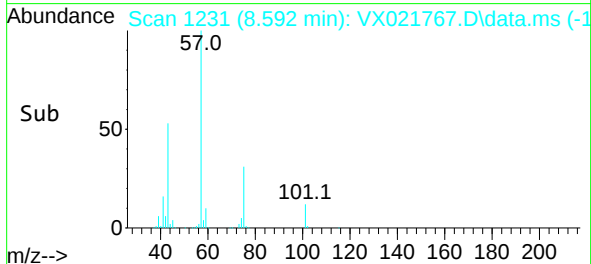
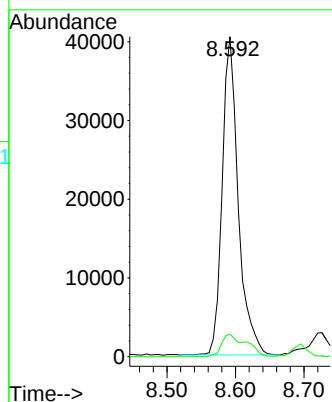
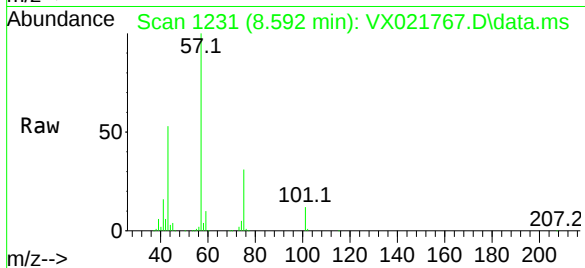




#51
4-Methyl-2-Pentanone
Concen: 28.55 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

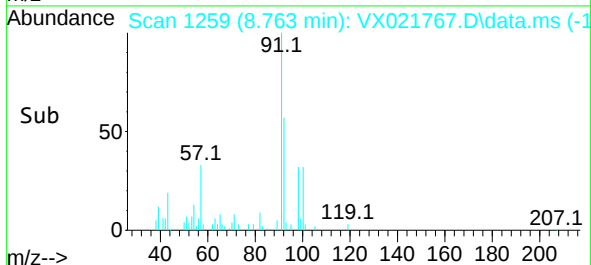
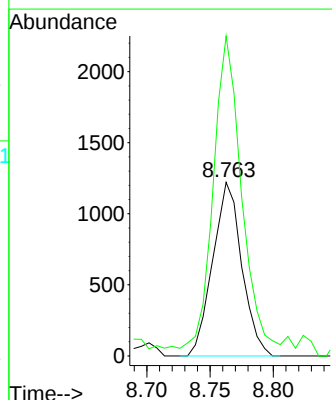
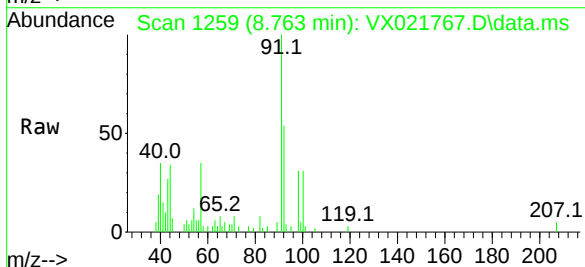
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

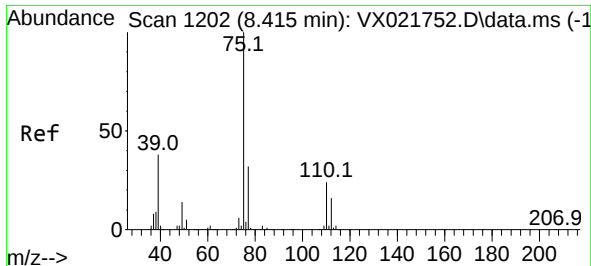
Tgt Ion: 43 Resp: 65487
Ion Ratio Lower Upper
43 100
58 10.9 35.4 53.0#



#52
Toluene
Concen: 0.41 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 92 Resp: 1947
Ion Ratio Lower Upper
92 100
91 171.0 137.1 205.7

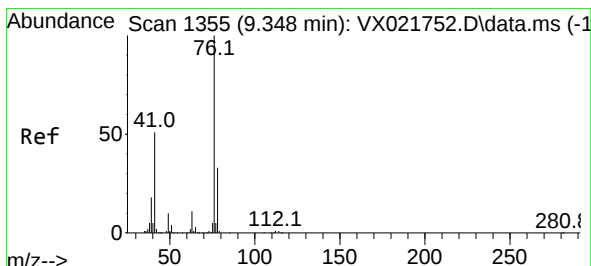
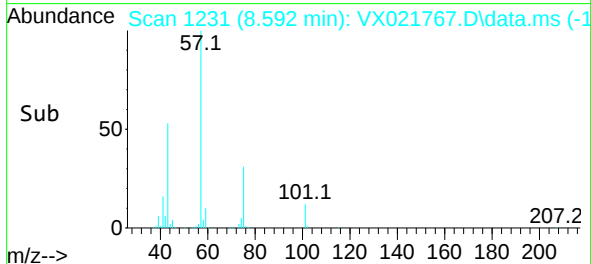
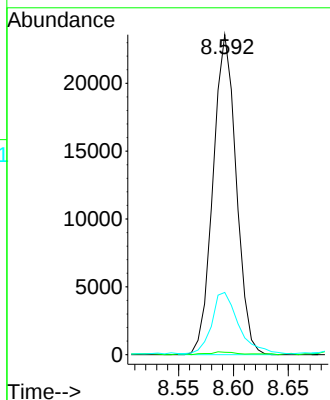
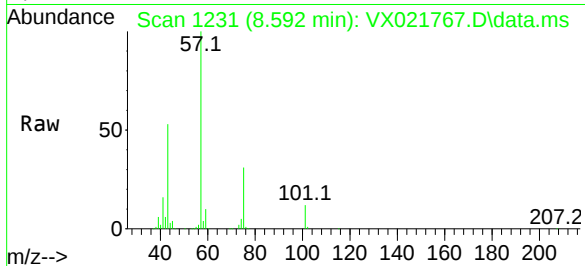




#54
cis-1,3-Dichloropropene
Concen: 10.73 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.177 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

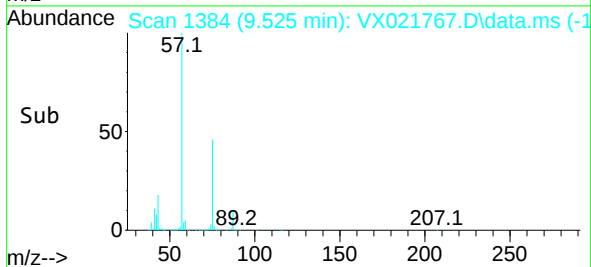
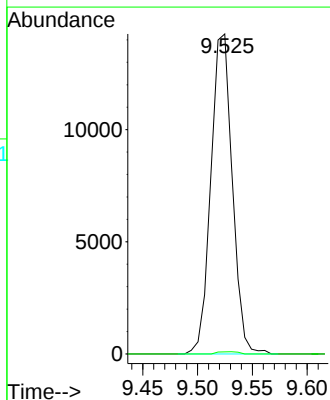
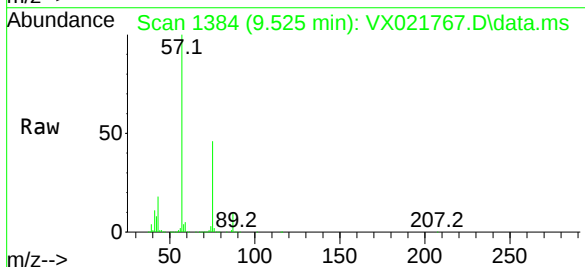
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

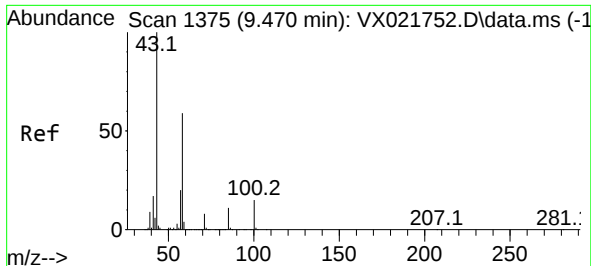
Tgt Ion: 75 Resp: 34666
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 19.1 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.25 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 76 Resp: 19415
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#

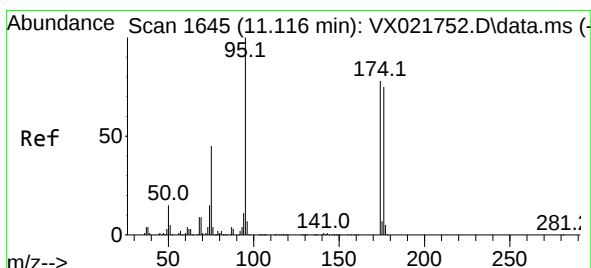
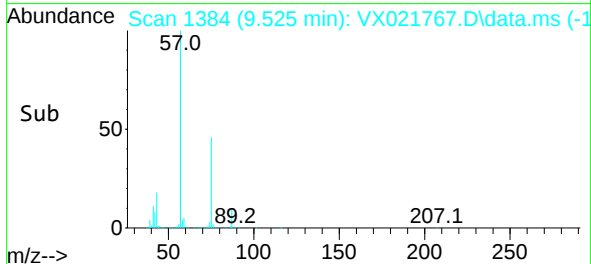
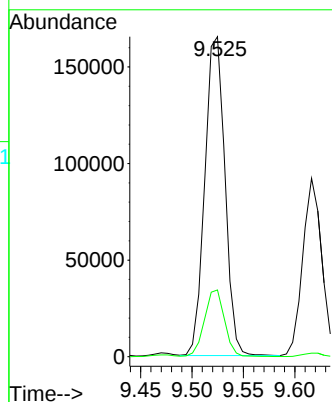
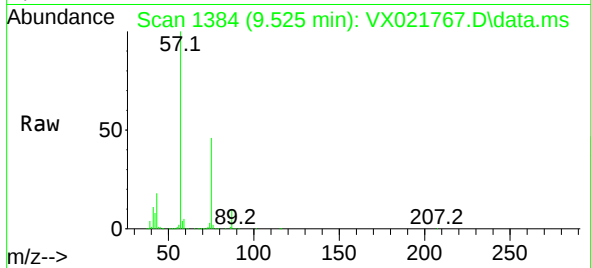




#59
2-Hexanone
Concen: 131.33 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

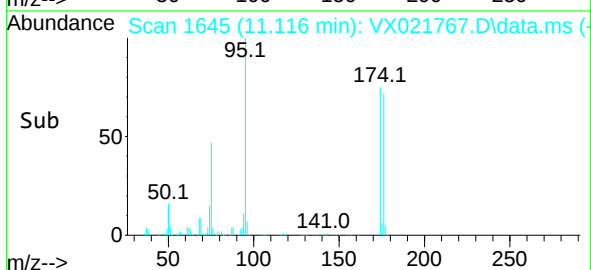
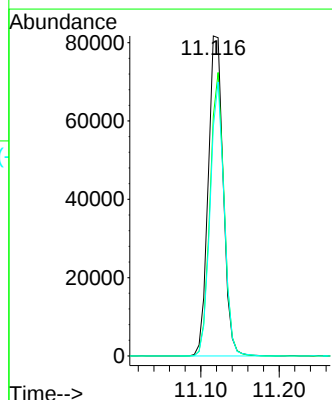
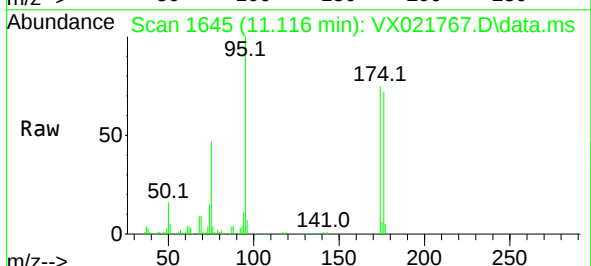
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

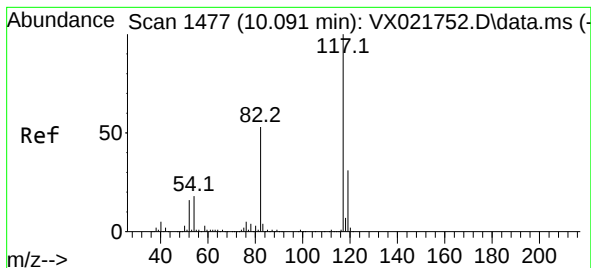
Tgt Ion: 43 Resp: 225813
Ion Ratio Lower Upper
43 100
58 21.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 42.89 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 95 Resp: 108581
Ion Ratio Lower Upper
95 100
174 83.0 0.0 154.6
176 79.8 0.0 155.8

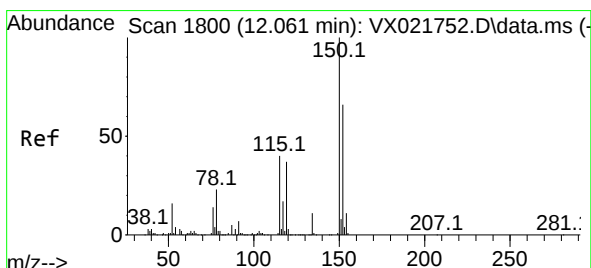
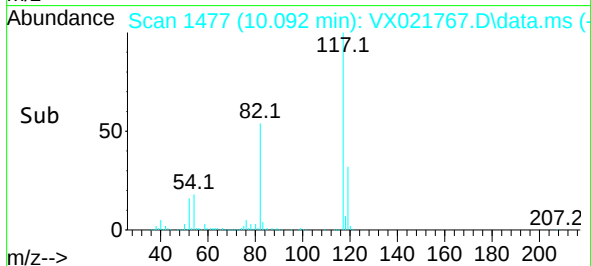
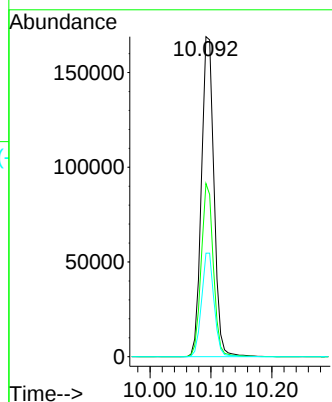
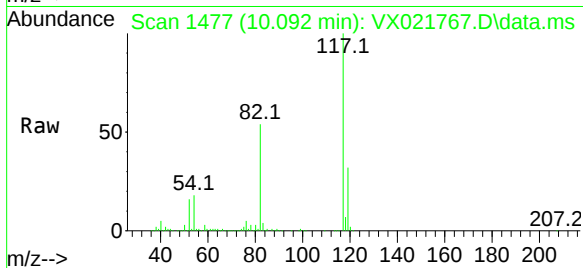




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

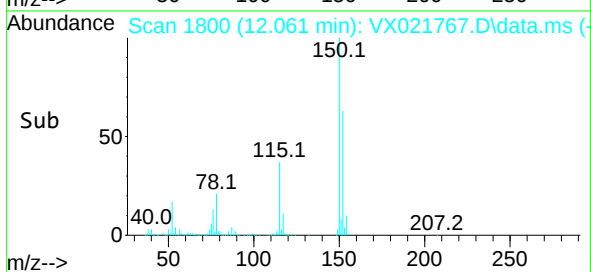
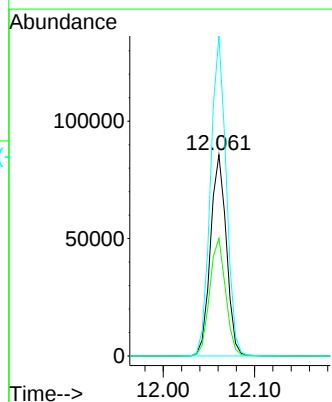
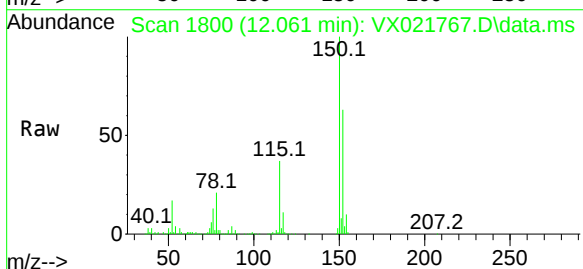
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

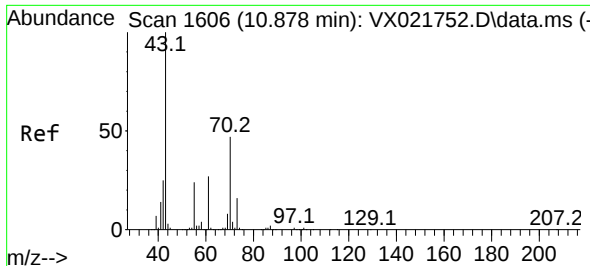
Tgt Ion:117 Resp: 241824
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion:152 Resp: 103337
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 156.6 0.0 349.0

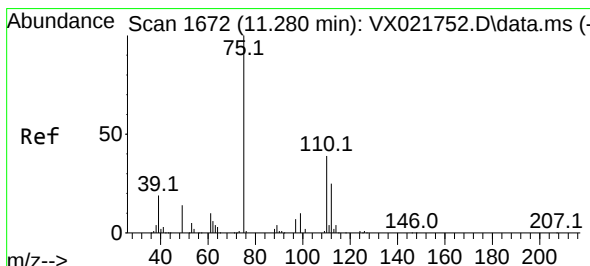
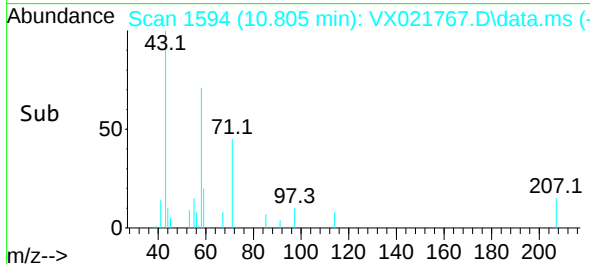
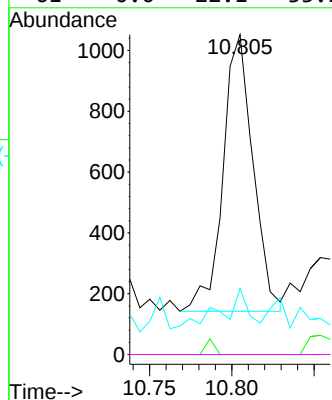
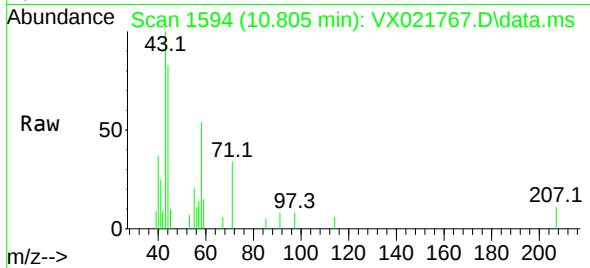




#74
N-amy1 acetate
Concen: 0.41 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

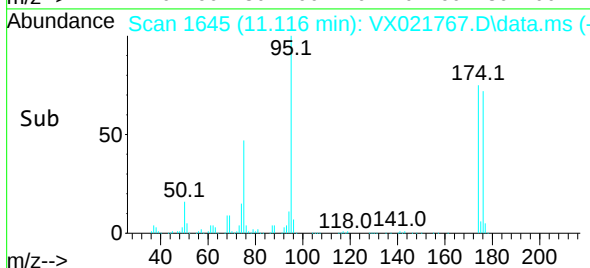
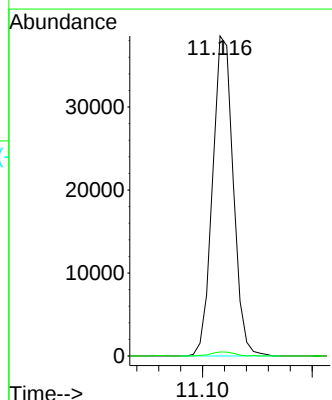
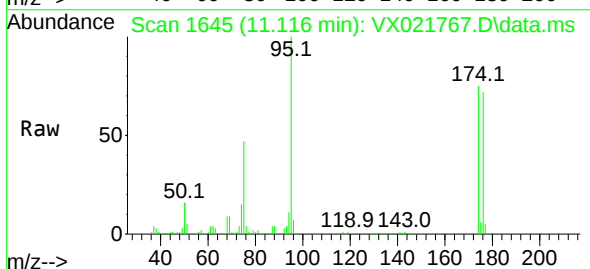
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

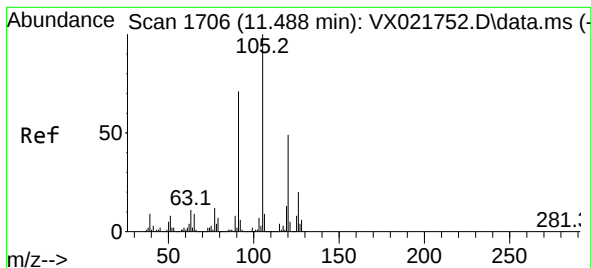
Tgt Ion: 43	Resp: 1155
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	10.4 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 24.68 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 75	Resp: 50572
Ion Ratio	Lower Upper
75	100
77	1.4 19.1 57.5#

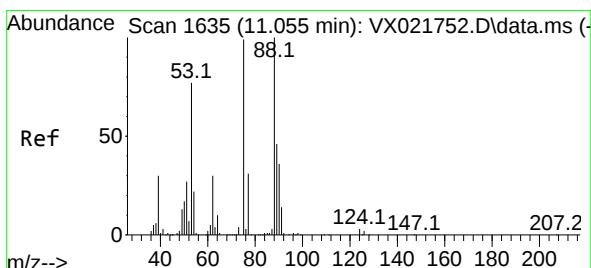
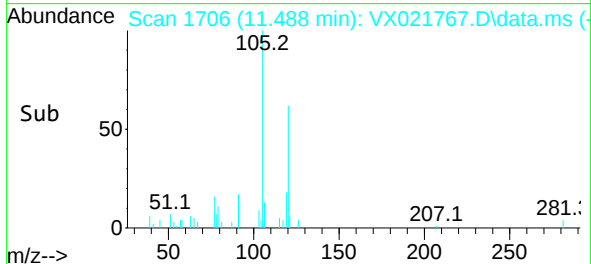
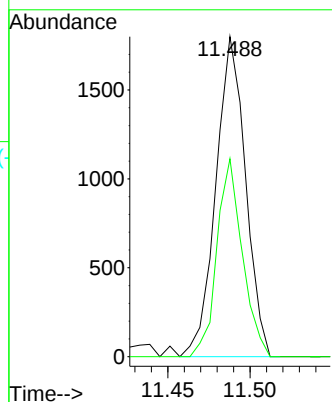
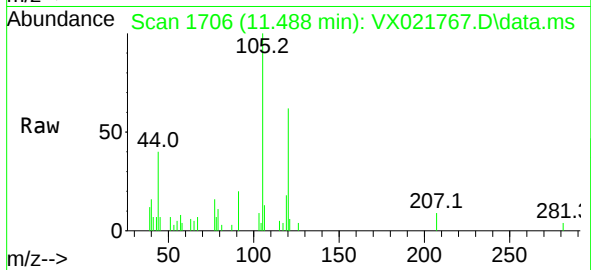




#80
1,3,5-Trimethylbenzene
Concen: 0.37 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#01

Tgt Ion:105 Resp: 2257
Ion Ratio Lower Upper
105 100
120 53.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 56.75 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021767.D
Acq: 20 Apr 2021 20:39

Tgt Ion: 75 Resp: 50572
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

