

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021771.D
 Acq On : 20 Apr 2021 22:12
 Operator : JC/MD
 Sample : PB135856ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 11:26:04 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

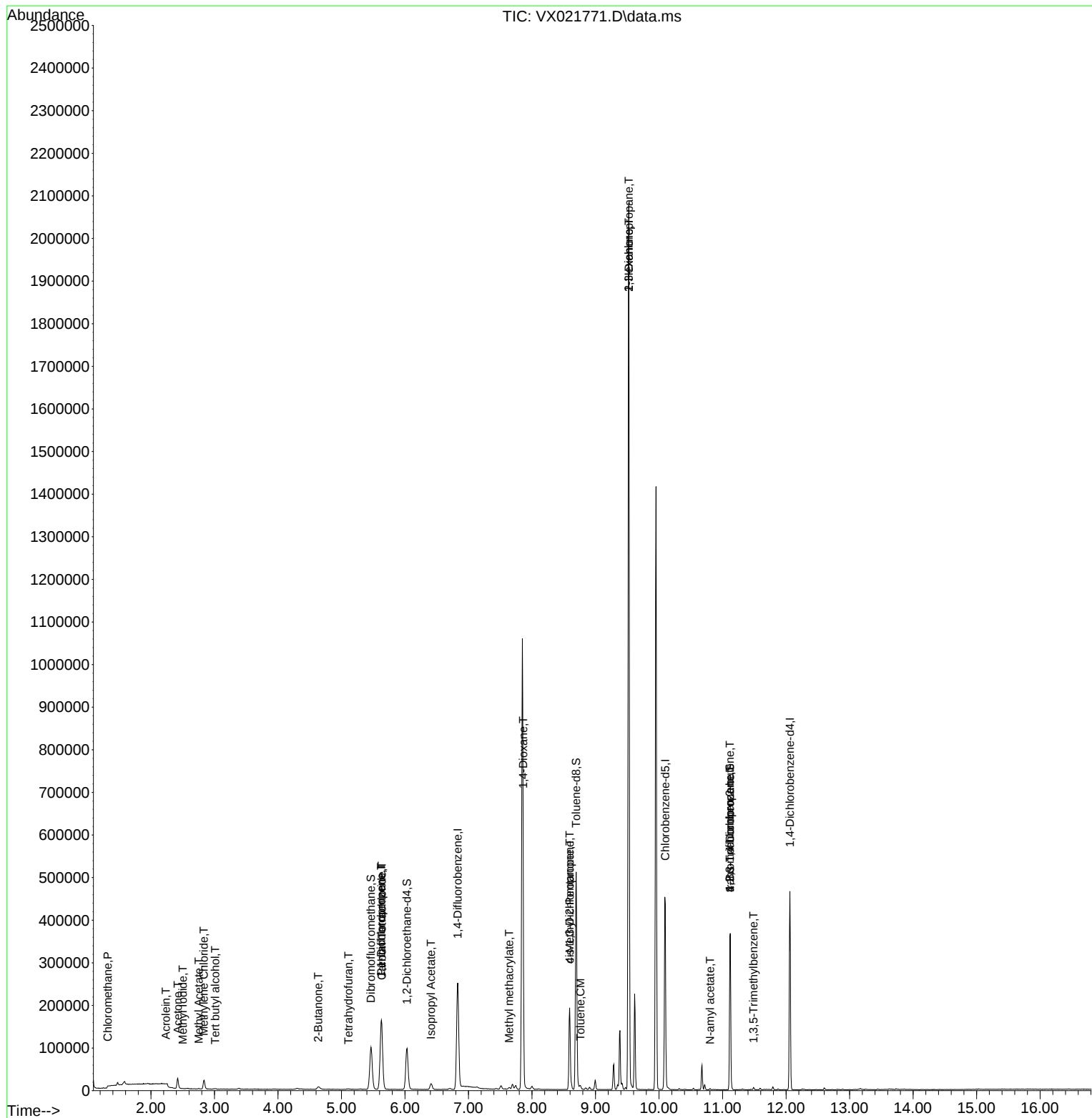
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	164130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	271907	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	231342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	101422	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	92168	49.50	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.00%
35) Dibromofluoromethane	5.464	113	87093	50.09	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.18%
50) Toluene-d8	8.696	98	316530	47.34	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.68%
62) 4-Bromofluorobenzene	11.116	95	105343	42.19	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.38%
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	3289	1.88	ug/l	93
10) Methyl Iodide	2.502	142	168	8.26	ug/l #	57
11) Tert butyl alcohol	3.014	59	1396	3.42	ug/l #	86
13) Acrolein	2.233	56	605	1.83	ug/l #	8
16) Acetone	2.422	43	24800	38.74	ug/l	99
18) Methyl Acetate	2.751	43	1126	0.65	ug/l	99
20) Methylene Chloride	2.831	84	10547	5.50	ug/l	92
25) 2-Butanone	4.635	43	10164	9.38	ug/l	98
29) Tetrahydrofuran	5.111	42	1451	2.06	ug/l #	72
36) 1,1-Dichloropropene	5.623	75	10794	4.50	ug/l #	50
38) Carbon Tetrachloride	5.635	117	15308	5.82	ug/l #	17
43) Isopropyl Acetate	6.409	43	17631	4.46	ug/l	98
48) Methyl methacrylate	7.641	41	5066	2.63	ug/l #	11
49) 1,4-Dioxane	7.860	88	208	4.60	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	62950	27.83	ug/l #	48
52) Toluene	8.763	92	1824	0.39	ug/l	94
54) cis-1,3-Dichloropropene	8.592	75	34092	10.70	ug/l #	55
57) 1,3-Dichloropropane	9.525	76	19400	6.34	ug/l #	43
59) 2-Hexanone	9.525	43	225098	132.75	ug/l #	46
74) N-amyl acetate	10.805	43	1432	0.52	ug/l #	42
76) 1,2,3-Trichloropropane	11.116	75	47848	23.79	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2191	0.36	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.116	75	47848	54.71	ug/l #	12

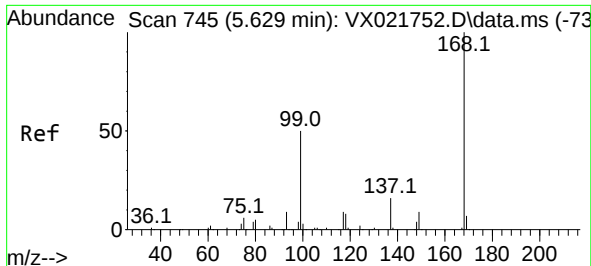
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Apr 21 11:26:04 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

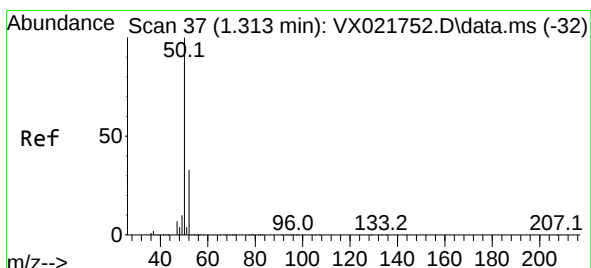
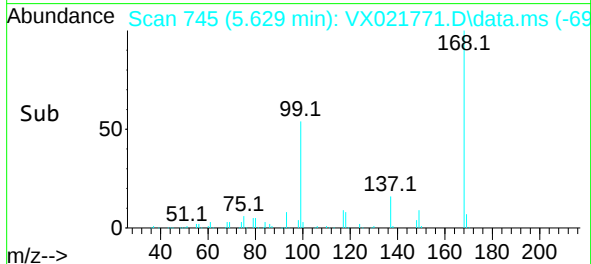
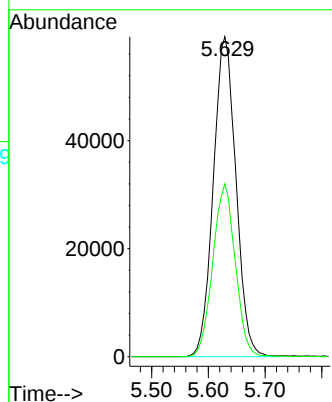
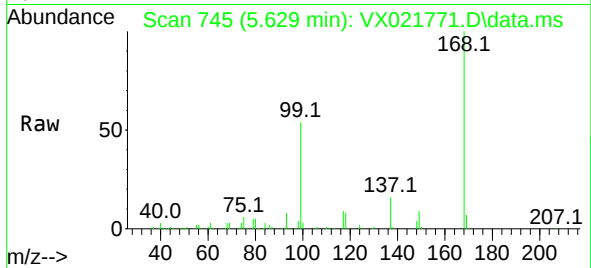




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

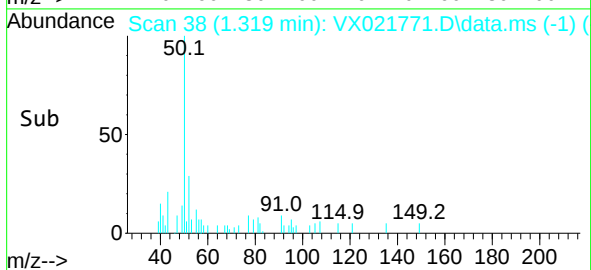
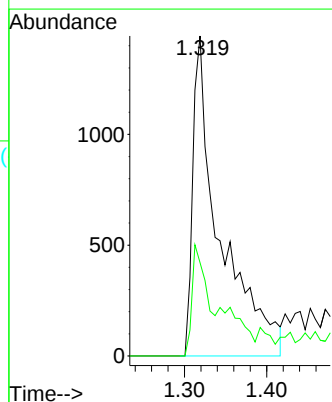
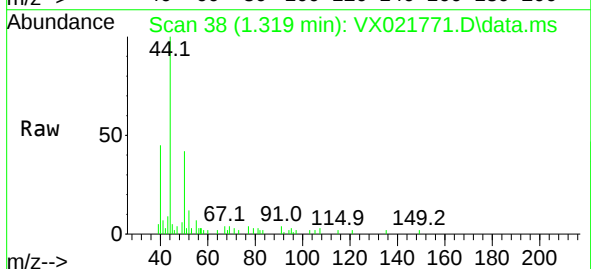
Instrument :
MSVOA_X
ClientSampled :

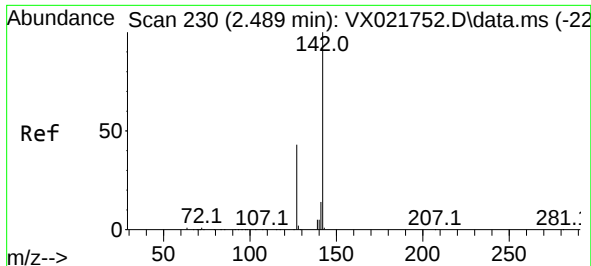
Tgt Ion:168 Resp: 164130
Ion Ratio Lower Upper
168 100
99 54.0 45.8 68.6



#3
Chloromethane
Concen: 1.88 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

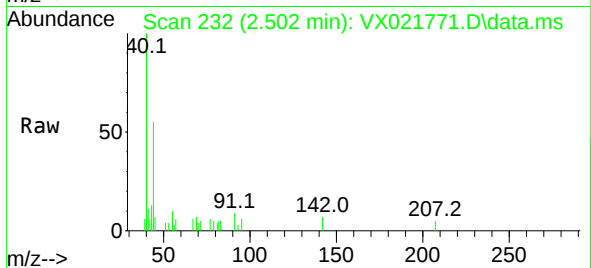
Tgt Ion: 50 Resp: 3289
Ion Ratio Lower Upper
50 100
52 29.2 26.4 39.6



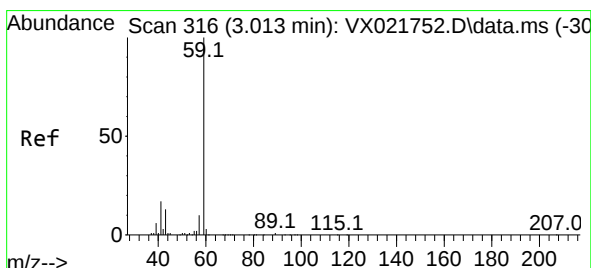
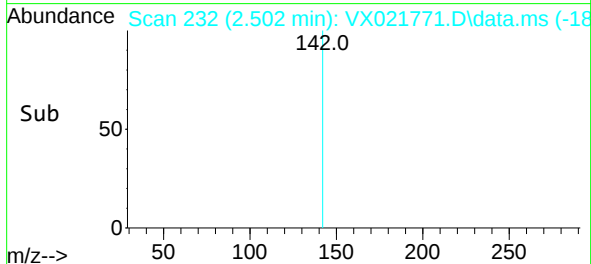
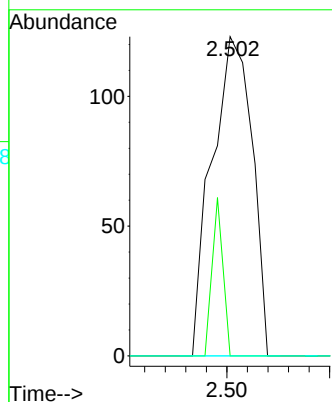


#10
Methyl Iodide
Concen: 8.26 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.013 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Instrument :
MSVOA_X
ClientSampled :

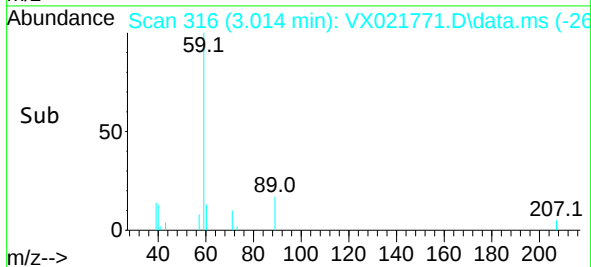
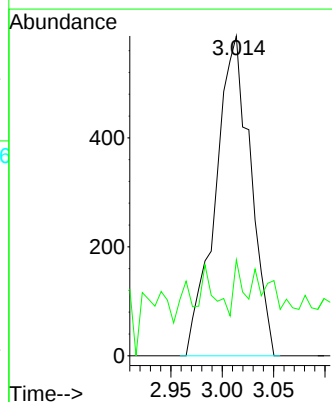
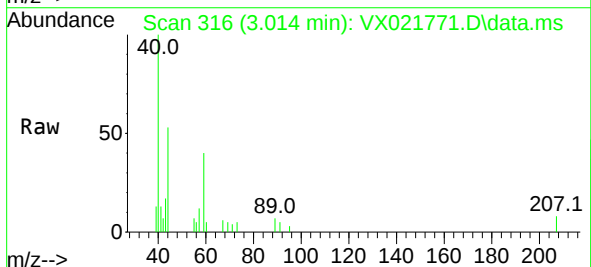


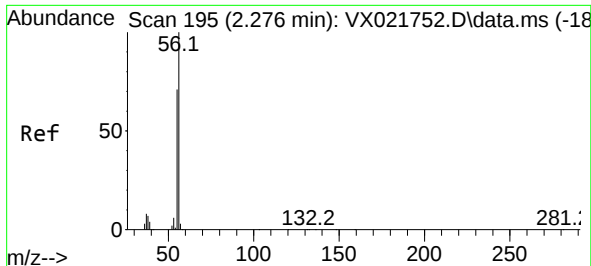
Tgt Ion:142 Resp: 168
Ion Ratio Lower Upper
142 100
127 13.1 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.42 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 59 Resp: 1396
Ion Ratio Lower Upper
59 100
57 4.7 7.8 11.8#

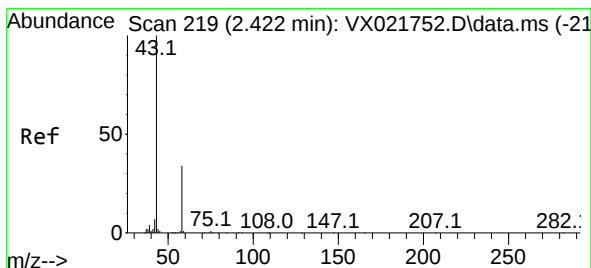
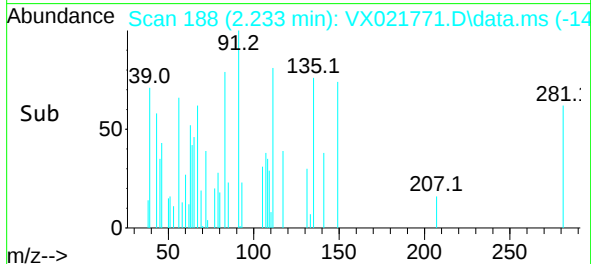
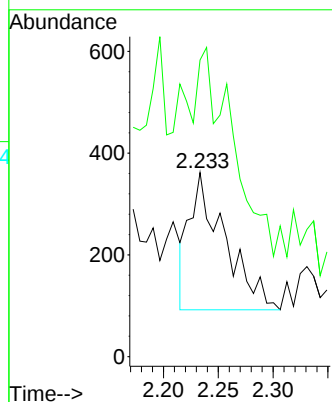
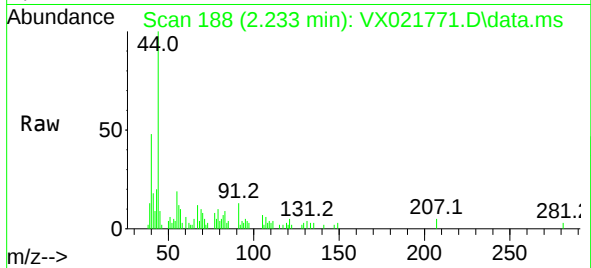




#13
Acrolein
Concen: 1.83 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.043 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

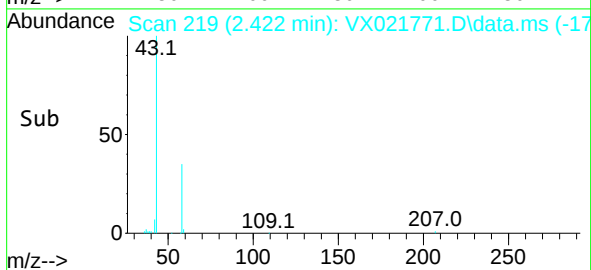
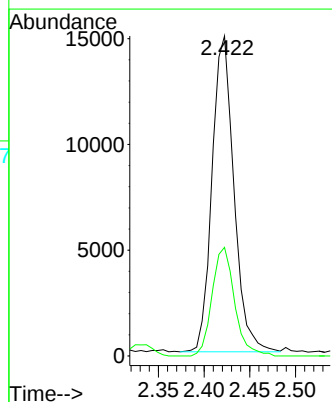
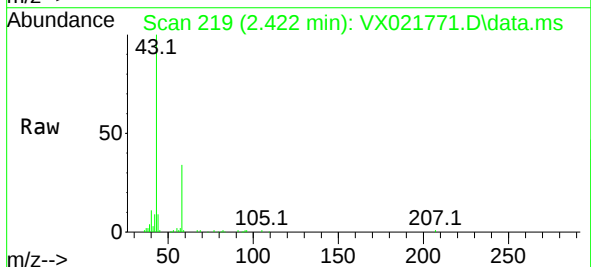
Instrument :
MSVOA_X
ClientSampleId :

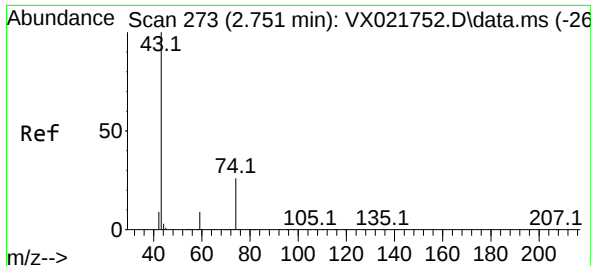
Tgt Ion: 56 Resp: 605
Ion Ratio Lower Upper
56 100
55 146.6 56.4 84.6#



#16
Acetone
Concen: 38.74 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 43 Resp: 24800
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8

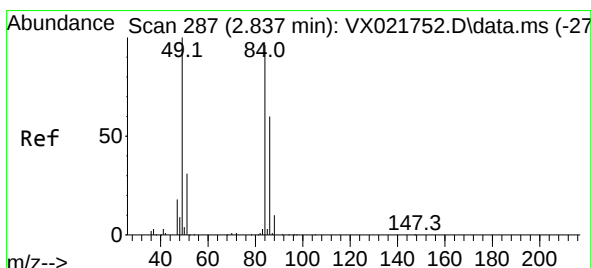
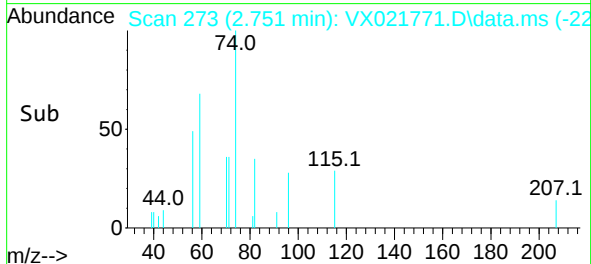
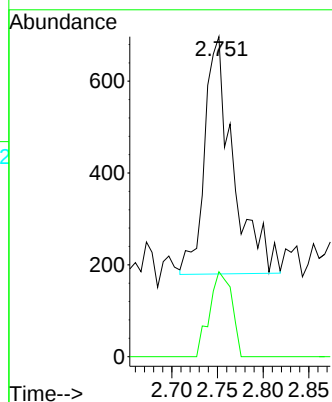
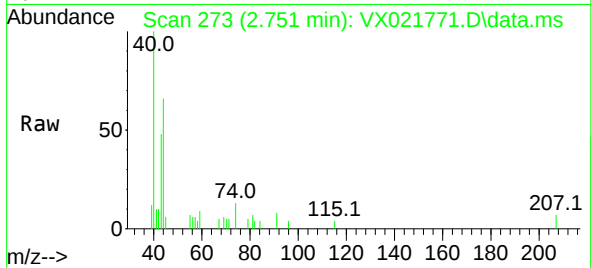




#18
Methyl Acetate
Concen: 0.65 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

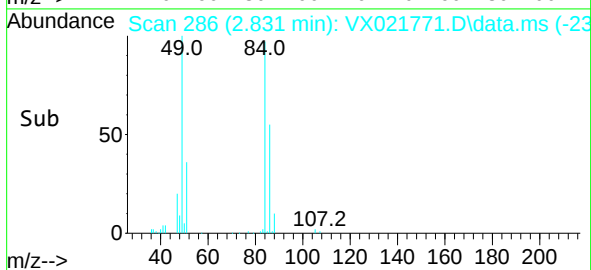
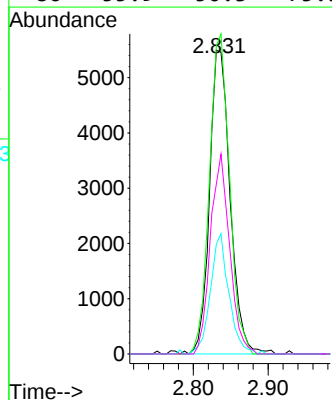
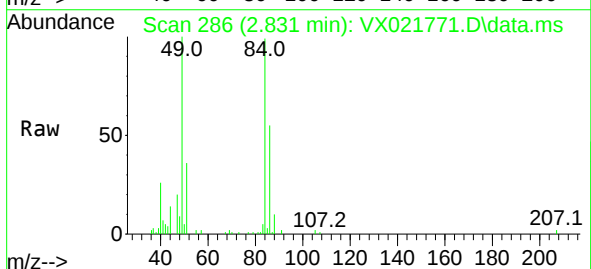
Instrument :
MSVOA_X
ClientSampled :

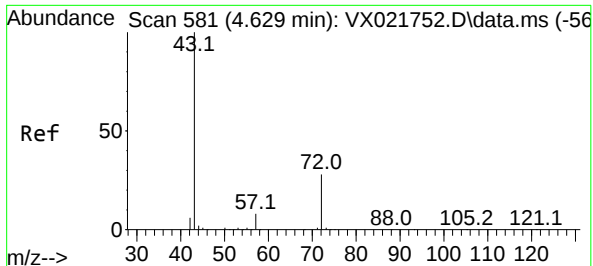
Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
74 27.7 21.9 32.9



#20
Methylene Chloride
Concen: 5.50 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.006 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 84 Resp: 10547
Ion Ratio Lower Upper
84 100
49 101.5 88.6 132.8
51 36.2 27.0 40.6
86 55.9 50.3 75.5





#25

2-Butanone

Concen: 9.38 ug/l

RT: 4.635 min Scan# 582

Delta R.T. 0.006 min

Lab File: VX021771.D

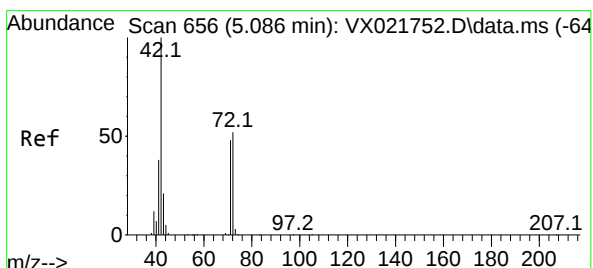
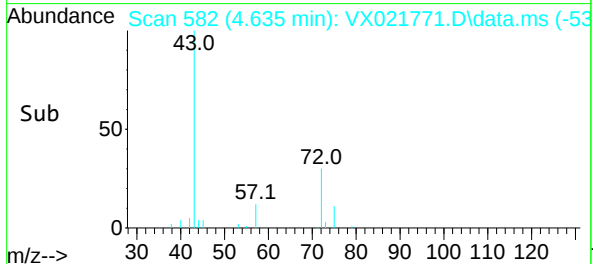
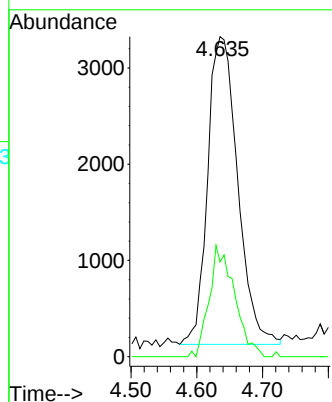
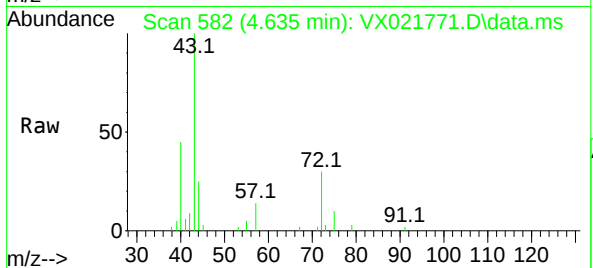
Acq: 20 Apr 2021 22:12

Tgt Ion: 43 Resp: 10164

Ion Ratio Lower Upper

43 100

72 30.8 23.7 35.5



#29

Tetrahydrofuran

Concen: 2.06 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.025 min

Lab File: VX021771.D

Acq: 20 Apr 2021 22:12

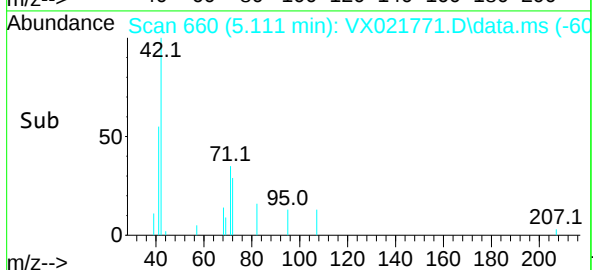
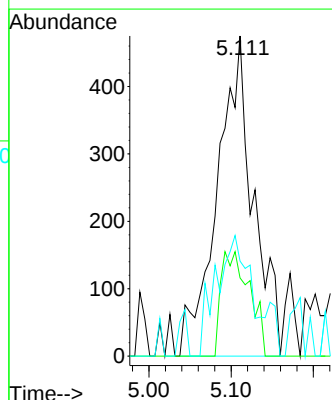
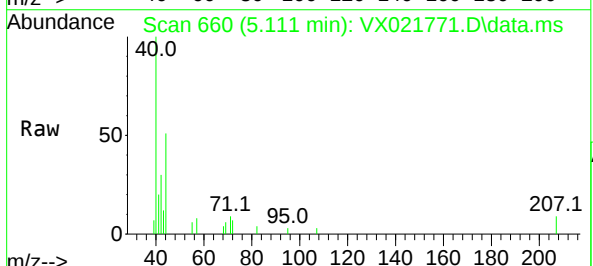
Tgt Ion: 42 Resp: 1451

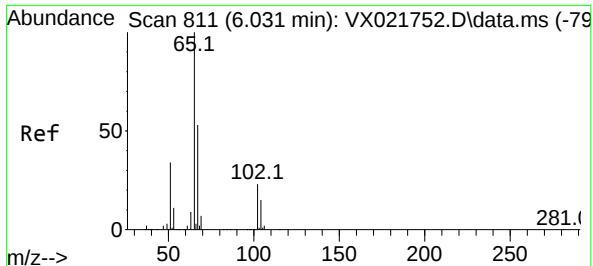
Ion Ratio Lower Upper

42 100

72 25.8 41.7 62.5#

71 36.5 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 49.50 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021771.D

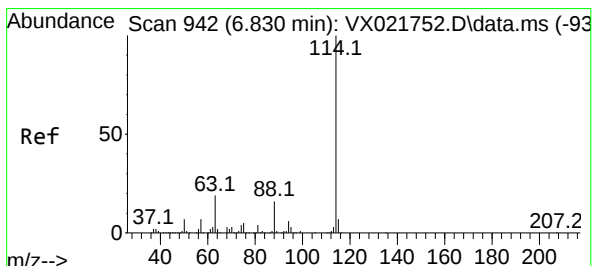
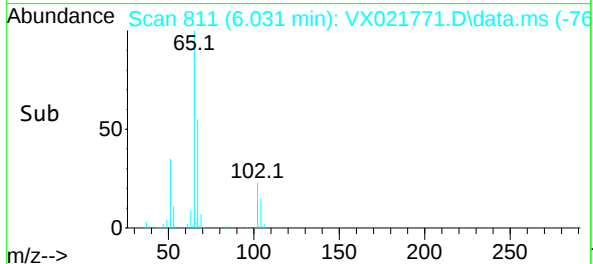
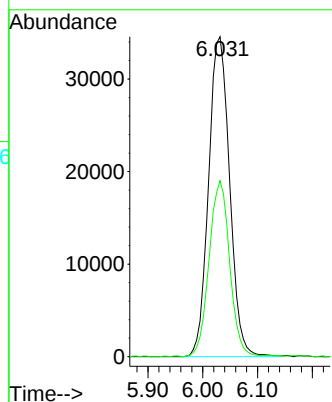
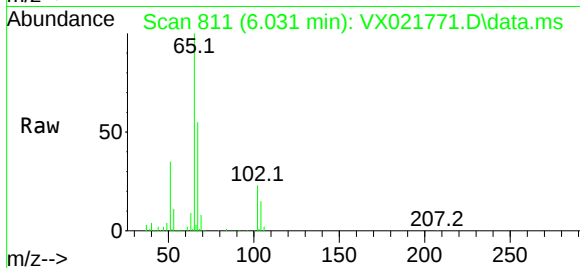
Acq: 20 Apr 2021 22:12

Tgt Ion: 65 Resp: 92168

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX021771.D

Acq: 20 Apr 2021 22:12

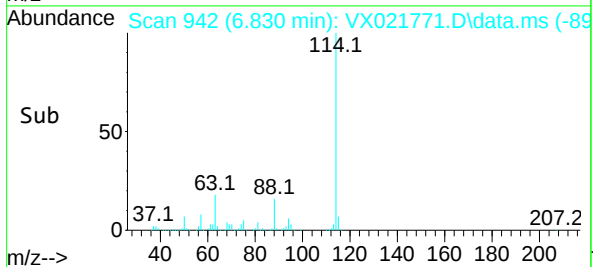
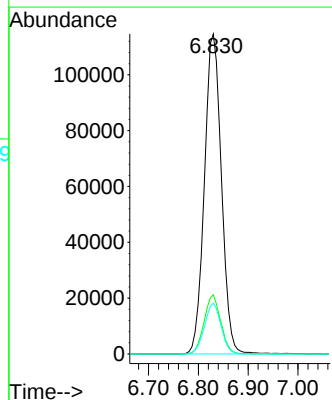
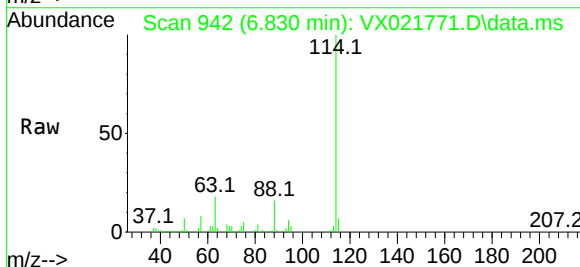
Tgt Ion: 114 Resp: 271907

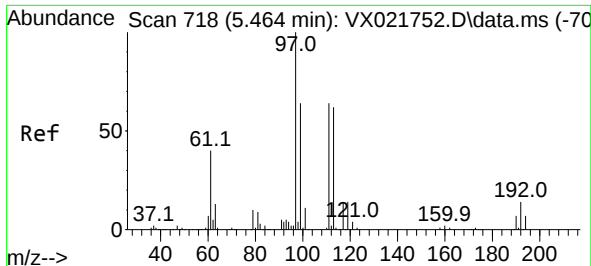
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.8

88 15.9 0.0 32.8

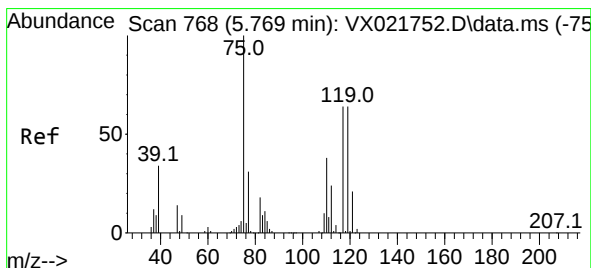
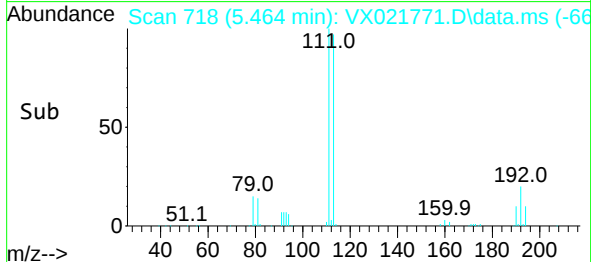
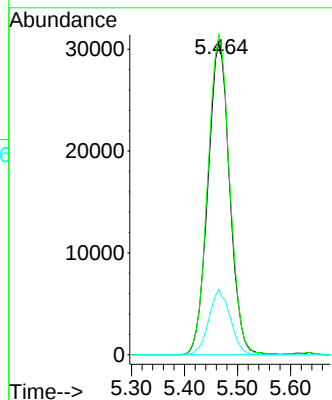
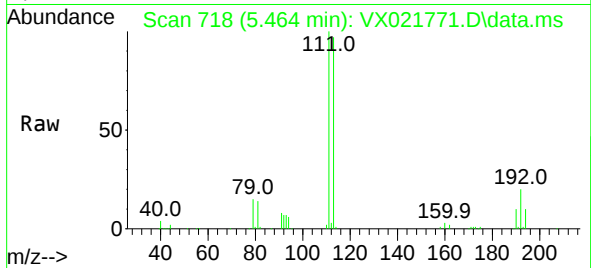




#35
Dibromofluoromethane
Concen: 50.09 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

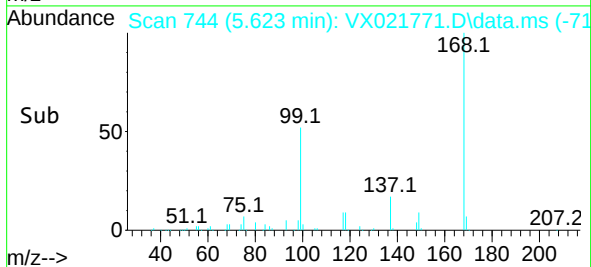
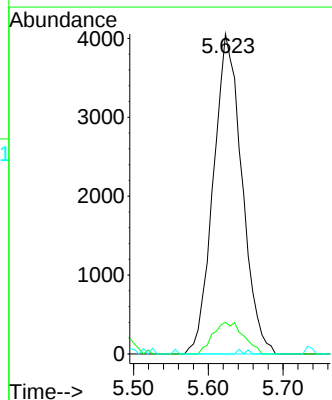
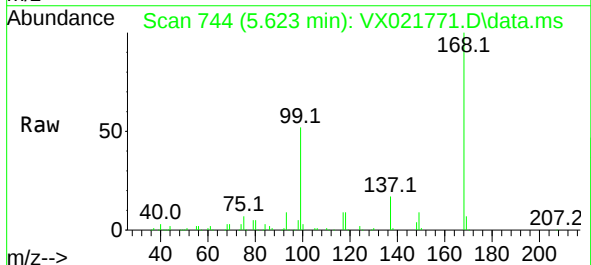
Instrument :
MSVOA_X
ClientSampleId :

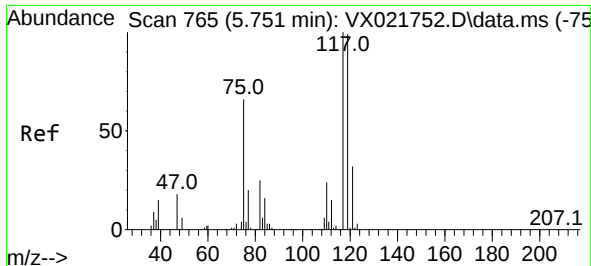
Tgt Ion:113 Resp: 87093
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.50 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

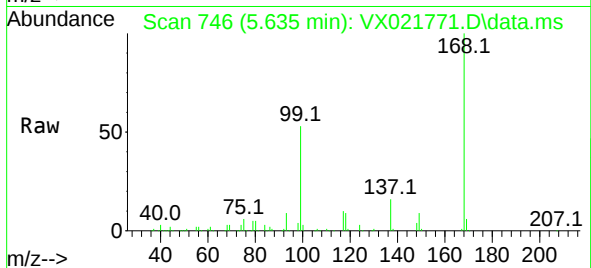
Tgt Ion: 75 Resp: 10794
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.4#
77 0.4 25.3 37.9#



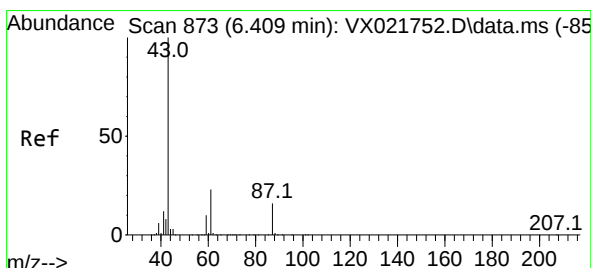
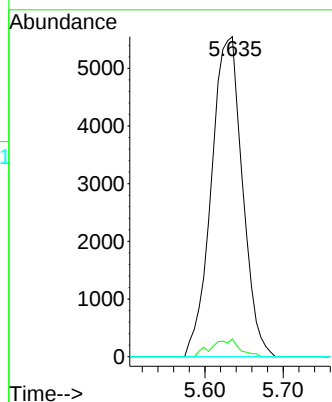
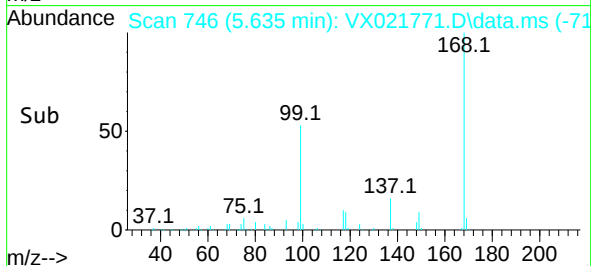


#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 5.635 min Scan# 746
Delta R.T. -0.116 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

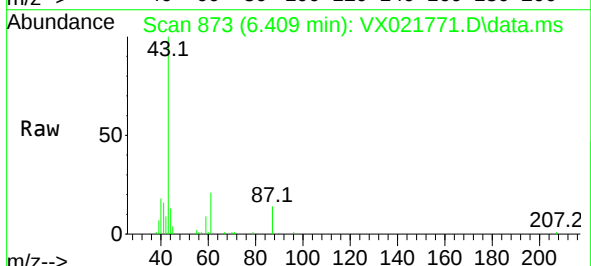
Instrument :
MSVOA_X
ClientSampleId :



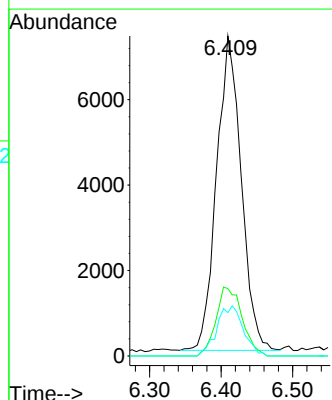
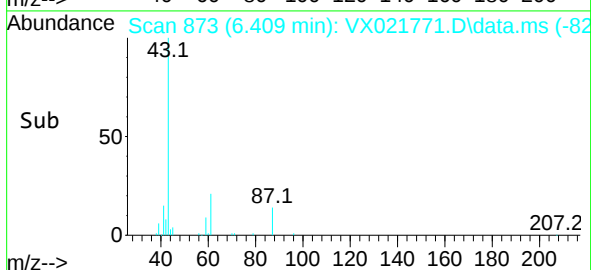
Tgt Ion: 117 Resp: 15308
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

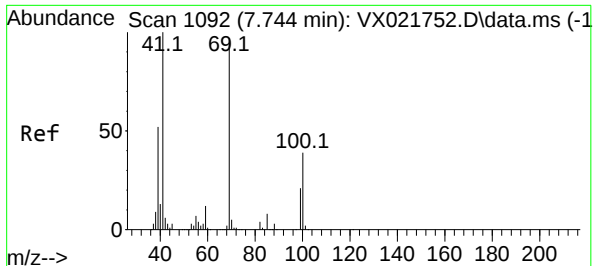


#43
Isopropyl Acetate
Concen: 4.46 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12



Tgt Ion: 43 Resp: 17631
Ion Ratio Lower Upper
43 100
61 23.2 18.2 27.4
87 17.1 12.5 18.7

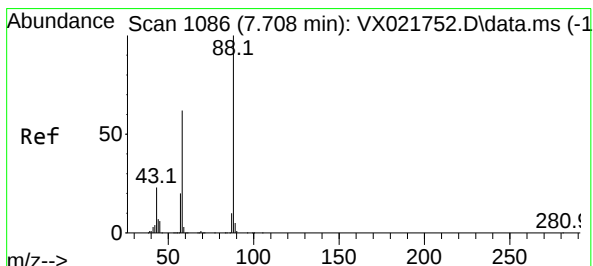
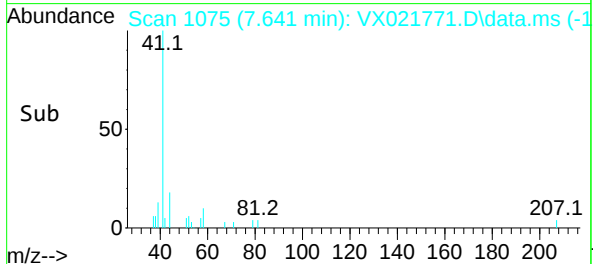
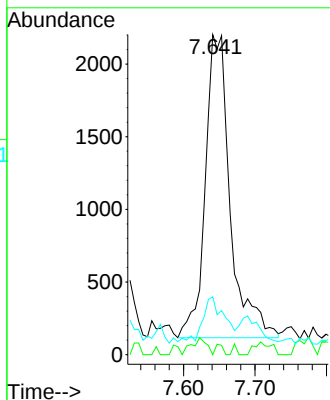
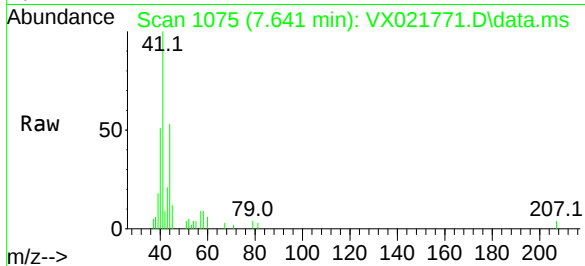




#48
Methyl methacrylate
Concen: 2.63 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.103 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

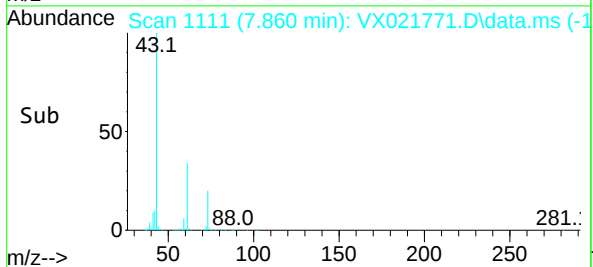
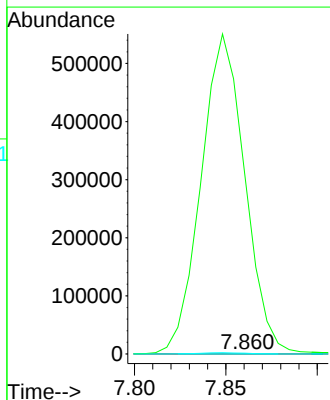
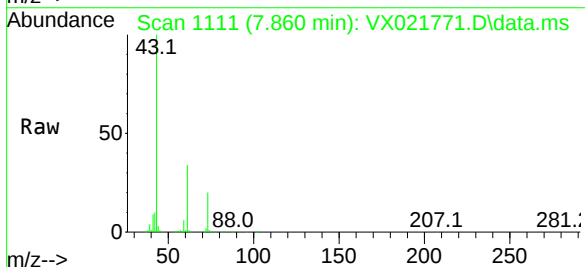
Instrument :
MSVOA_X
ClientSampleId :

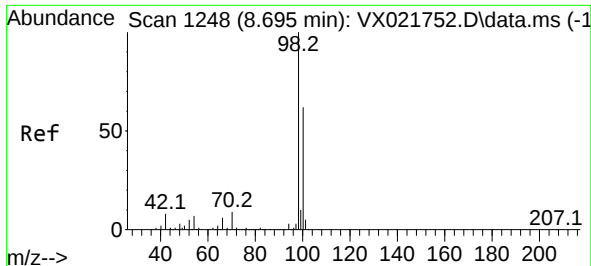
Tgt Ion: 41 Resp: 5066
Ion Ratio Lower Upper
41 100
69 1.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.60 ug/l
RT: 7.860 min Scan# 1111
Delta R.T. 0.152 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 88 Resp: 208
Ion Ratio Lower Upper
88 100
43 444323.6 23.2 34.8#
58 1795.7 55.0 82.4#

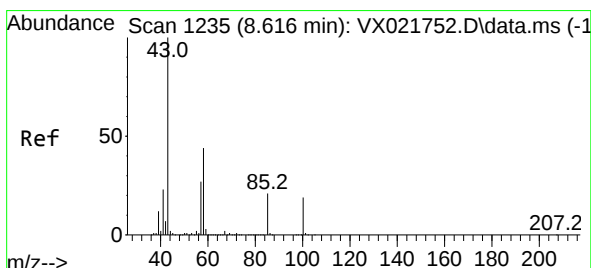
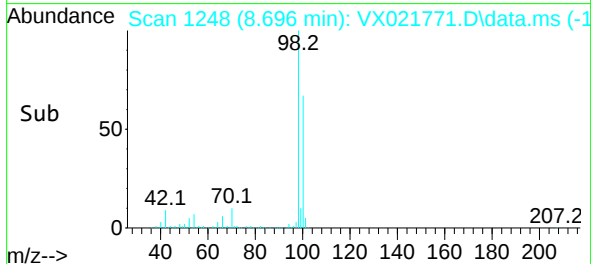
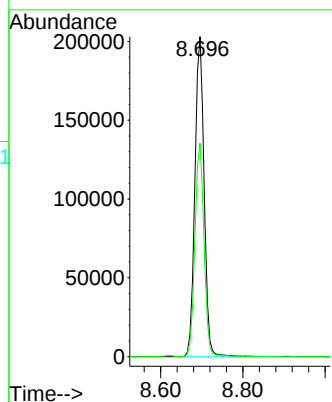
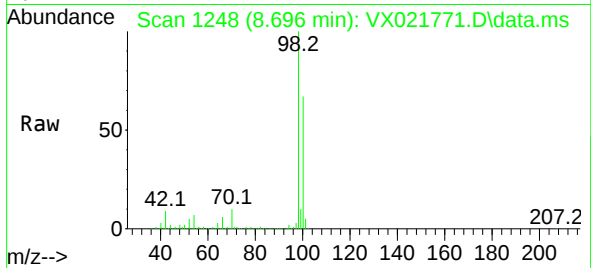




#50
Toluene-d8
Concen: 47.34 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

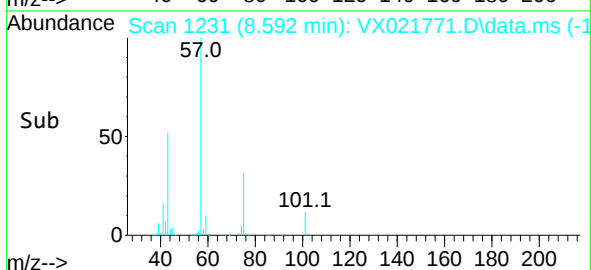
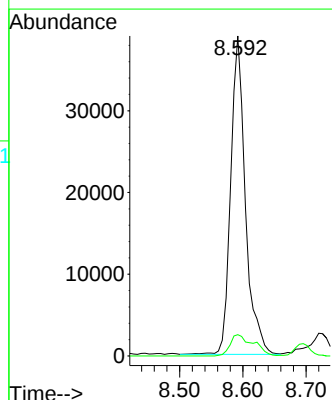
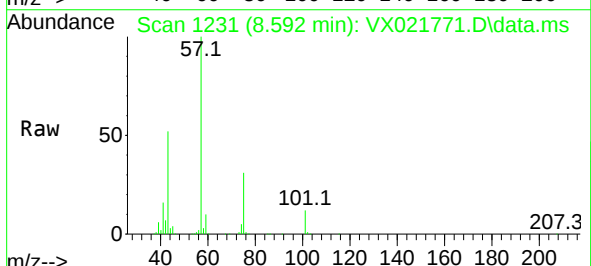
Instrument :
MSVOA_X
ClientSampleId :

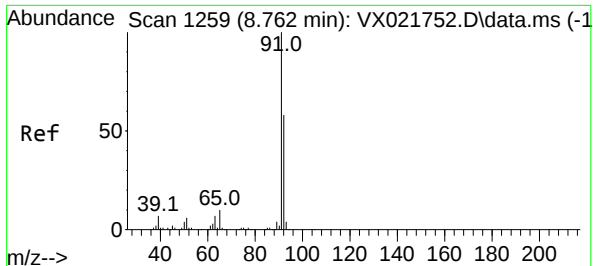
Tgt Ion: 98 Resp: 316530
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 27.83 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 43 Resp: 62950
Ion Ratio Lower Upper
43 100
58 10.7 35.4 53.0#

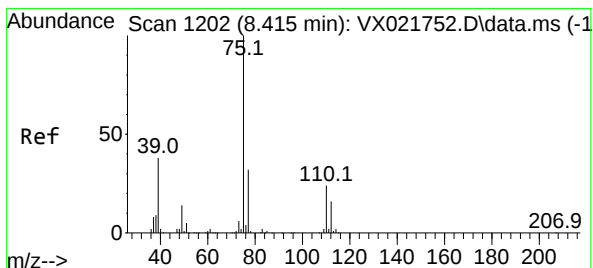
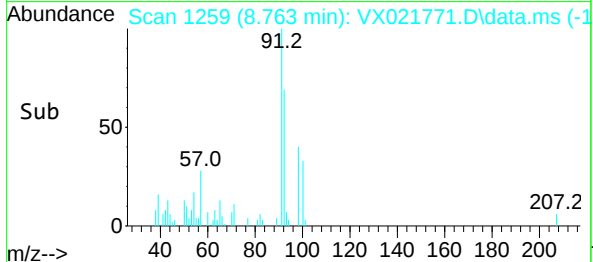
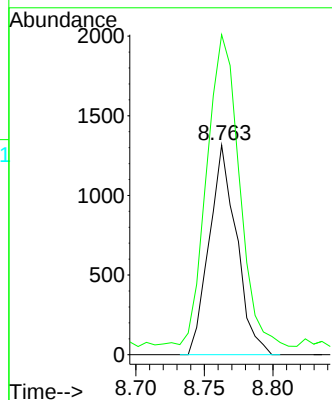
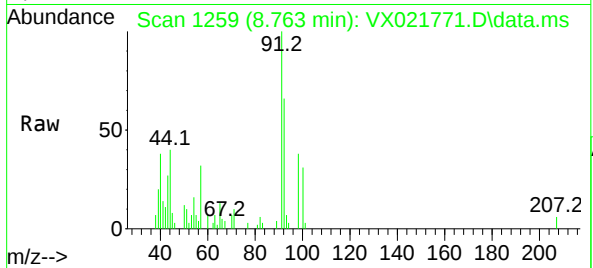




#52
Toluene
Concen: 0.39 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

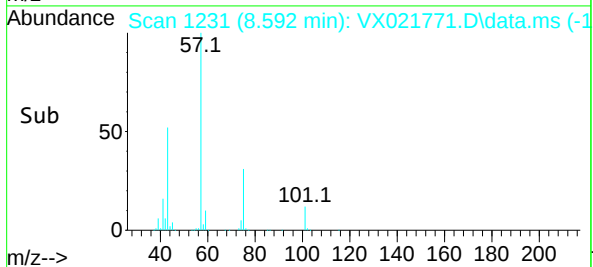
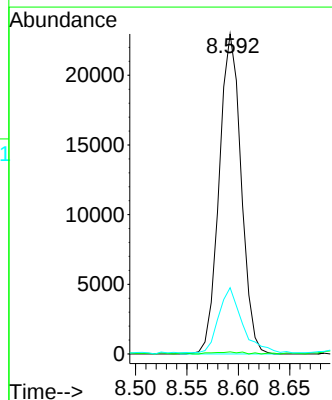
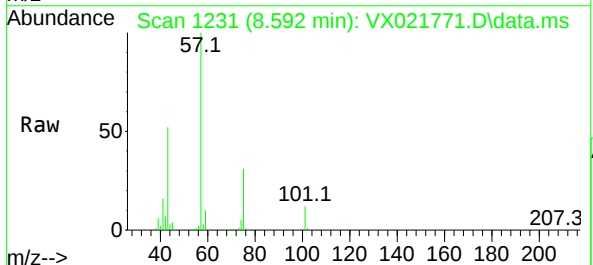
Instrument :
MSVOA_X
ClientSampled :

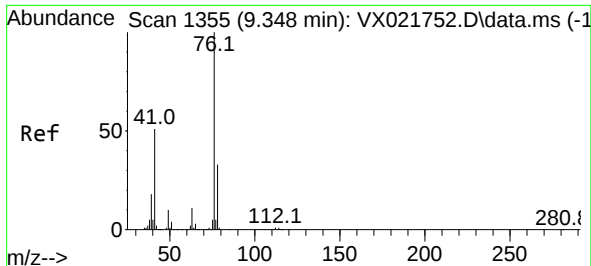
Tgt Ion: 92 Resp: 1824
Ion Ratio Lower Upper
92 100
91 179.5 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 10.70 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.177 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 75 Resp: 34092
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 20.4 35.1 52.7#

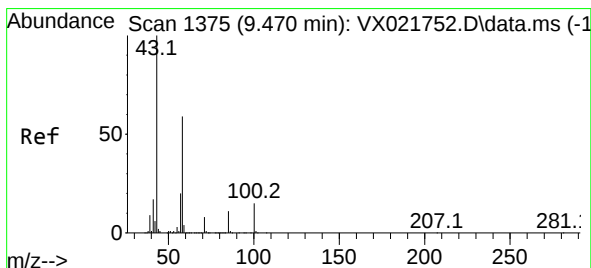
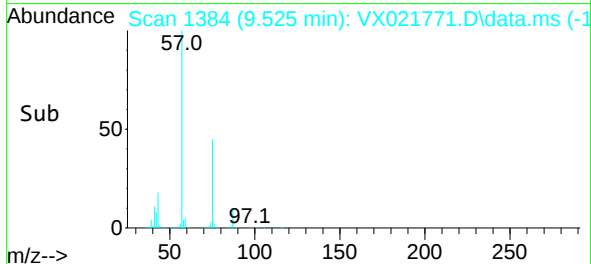
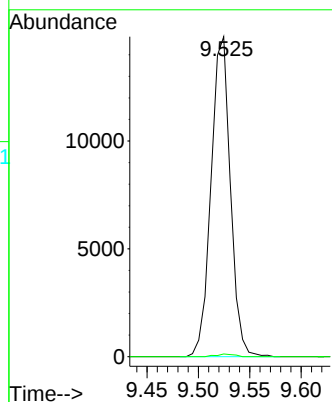
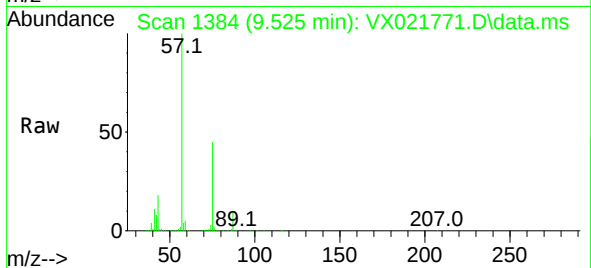




#57
1,3-Dichloropropane
Concen: 6.34 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

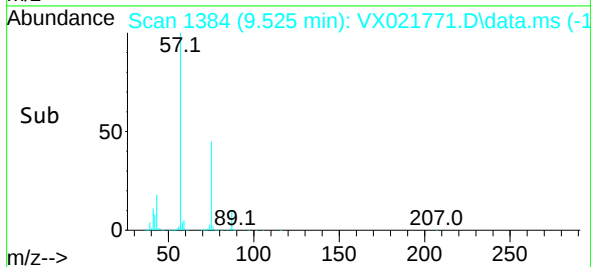
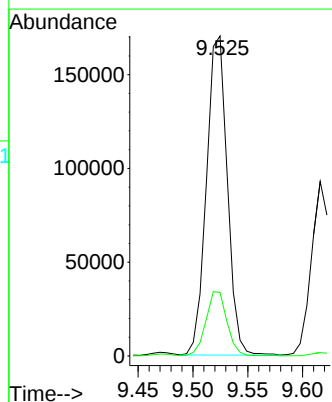
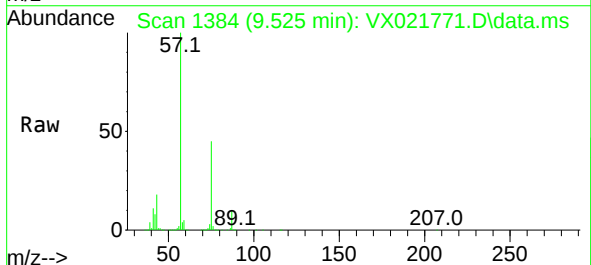
Instrument :
MSVOA_X
ClientSampled :

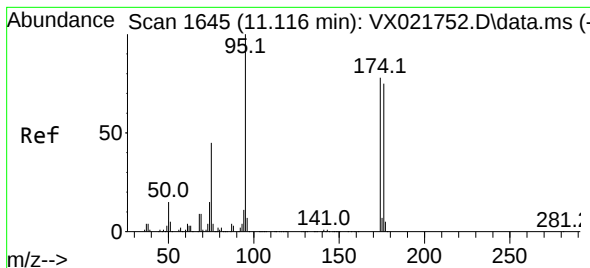
Tgt Ion: 76 Resp: 19400
Ion Ratio Lower Upper
76 100
78 0.8 26.2 39.2#



#59
2-Hexanone
Concen: 132.75 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 43 Resp: 225098
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#

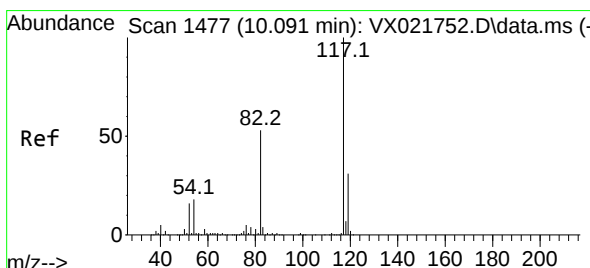
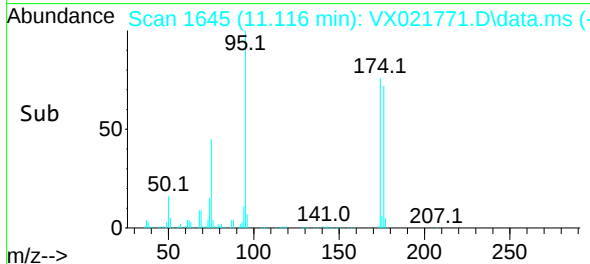
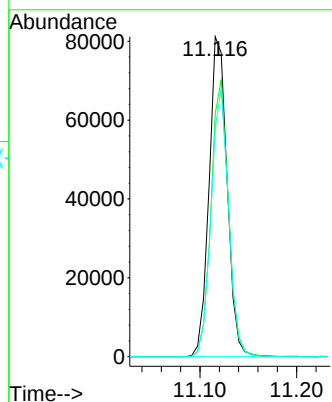
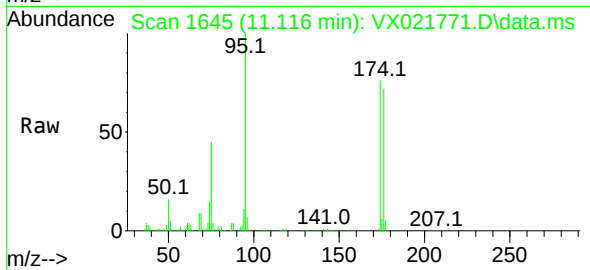




#62
4-Bromofluorobenzene
Concen: 42.19 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

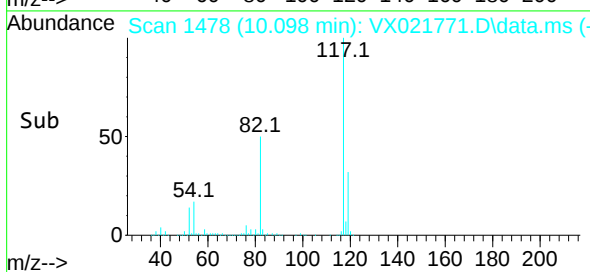
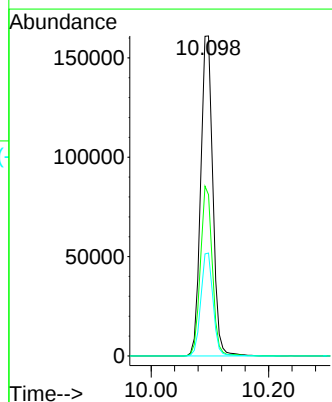
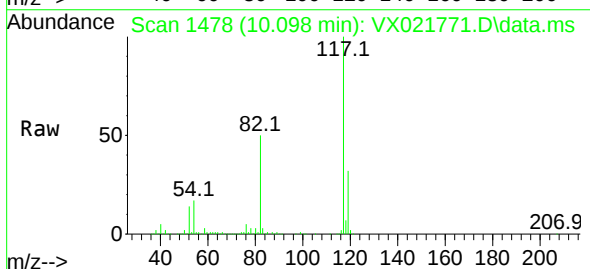
Instrument :
MSVOA_X
ClientSampled :

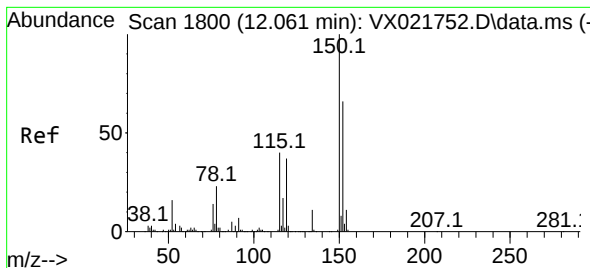
Tgt Ion: 95 Resp: 105343
Ion Ratio Lower Upper
95 100
174 83.9 0.0 154.6
176 81.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.007 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 117 Resp: 231342
Ion Ratio Lower Upper
117 100
82 50.4 47.4 71.2
119 32.2 26.6 39.8

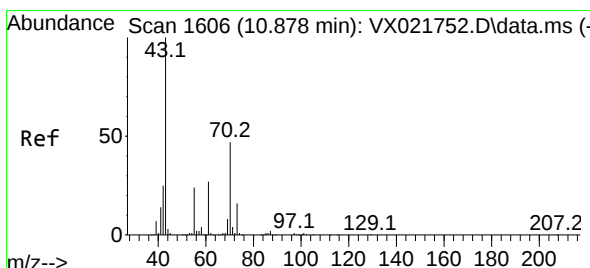
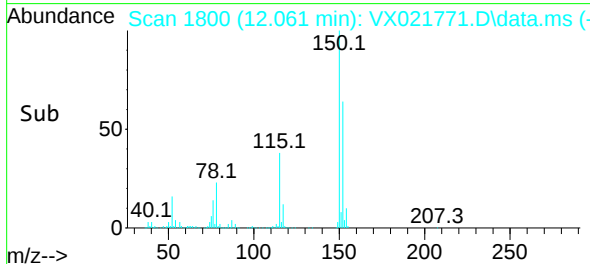
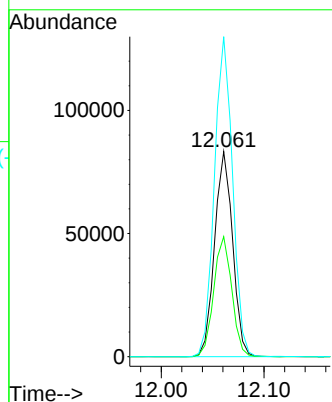
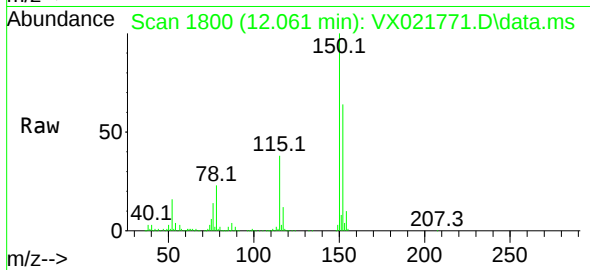




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

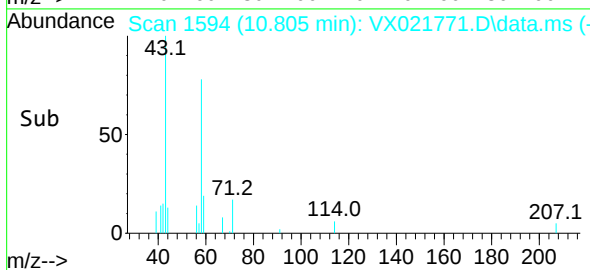
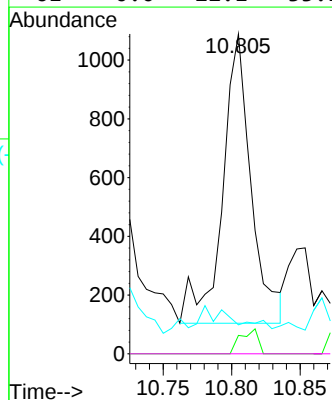
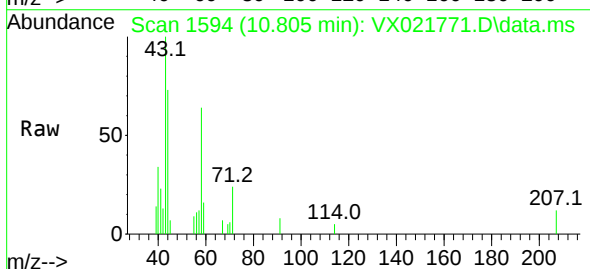
Instrument :
MSVOA_X
ClientSampleId :

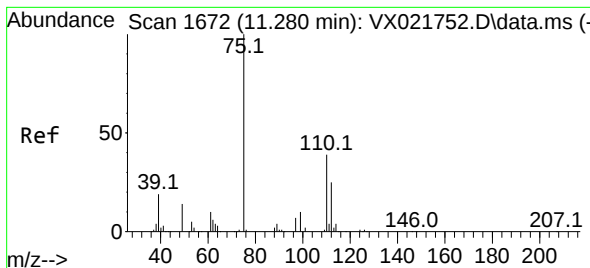
Tgt Ion:152 Resp: 101422
Ion Ratio Lower Upper
152 100
115 58.5 41.1 123.3
150 157.1 0.0 349.0



#74
N-ethyl acetate
Concen: 0.52 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
70 5.3 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

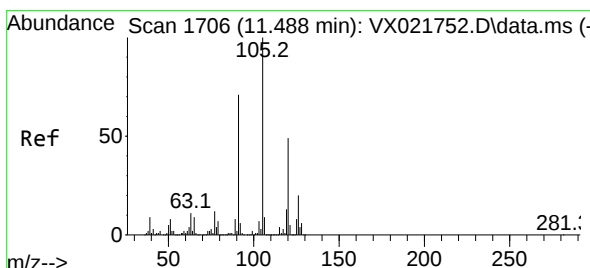
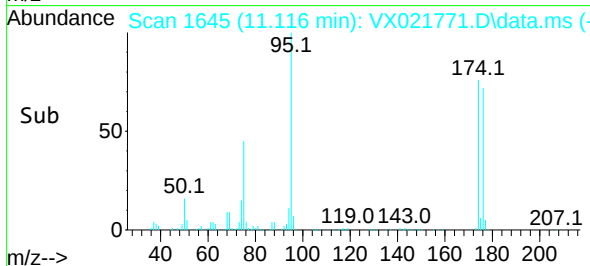
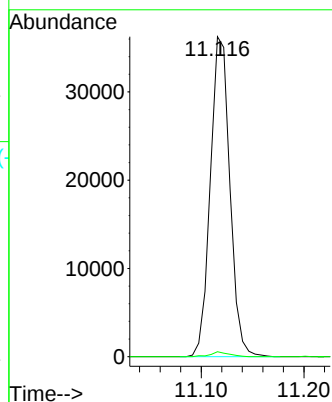
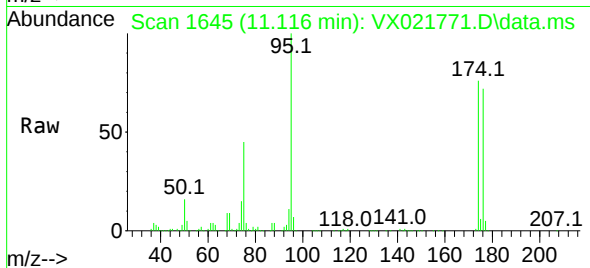




#76
1,2,3-Trichloropropane
Concen: 23.79 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

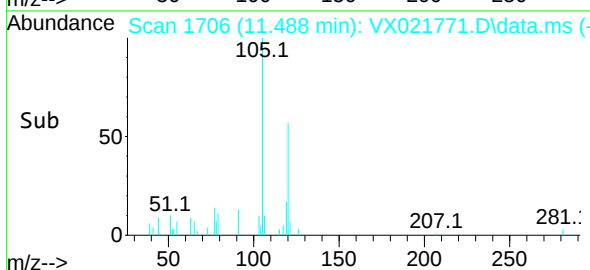
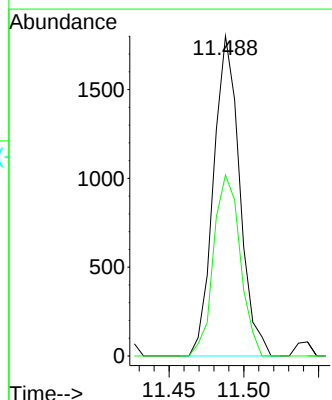
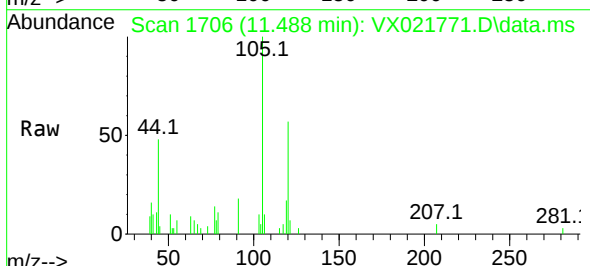
Instrument :
MSVOA_X
ClientSampleId :

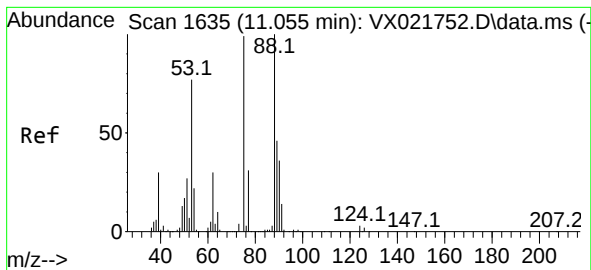
Tgt Ion: 75 Resp: 47848
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.36 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX021771.D
Acq: 20 Apr 2021 22:12

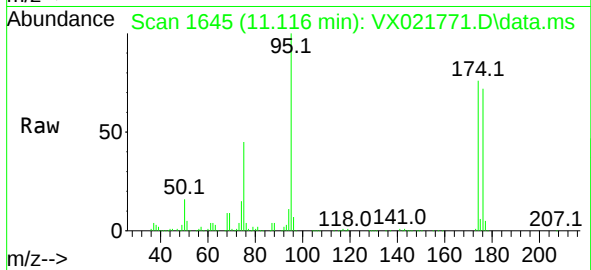
Tgt Ion: 105 Resp: 2191
Ion Ratio Lower Upper
105 100
120 57.5 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.71 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. 0.061 min
 Lab File: VX021771.D
 Acq: 20 Apr 2021 22:12

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 47848
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

