

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021762.D
 Acq On : 20 Apr 2021 18:41
 Operator : JC/MD
 Sample : M2064-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 11:22:05 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)

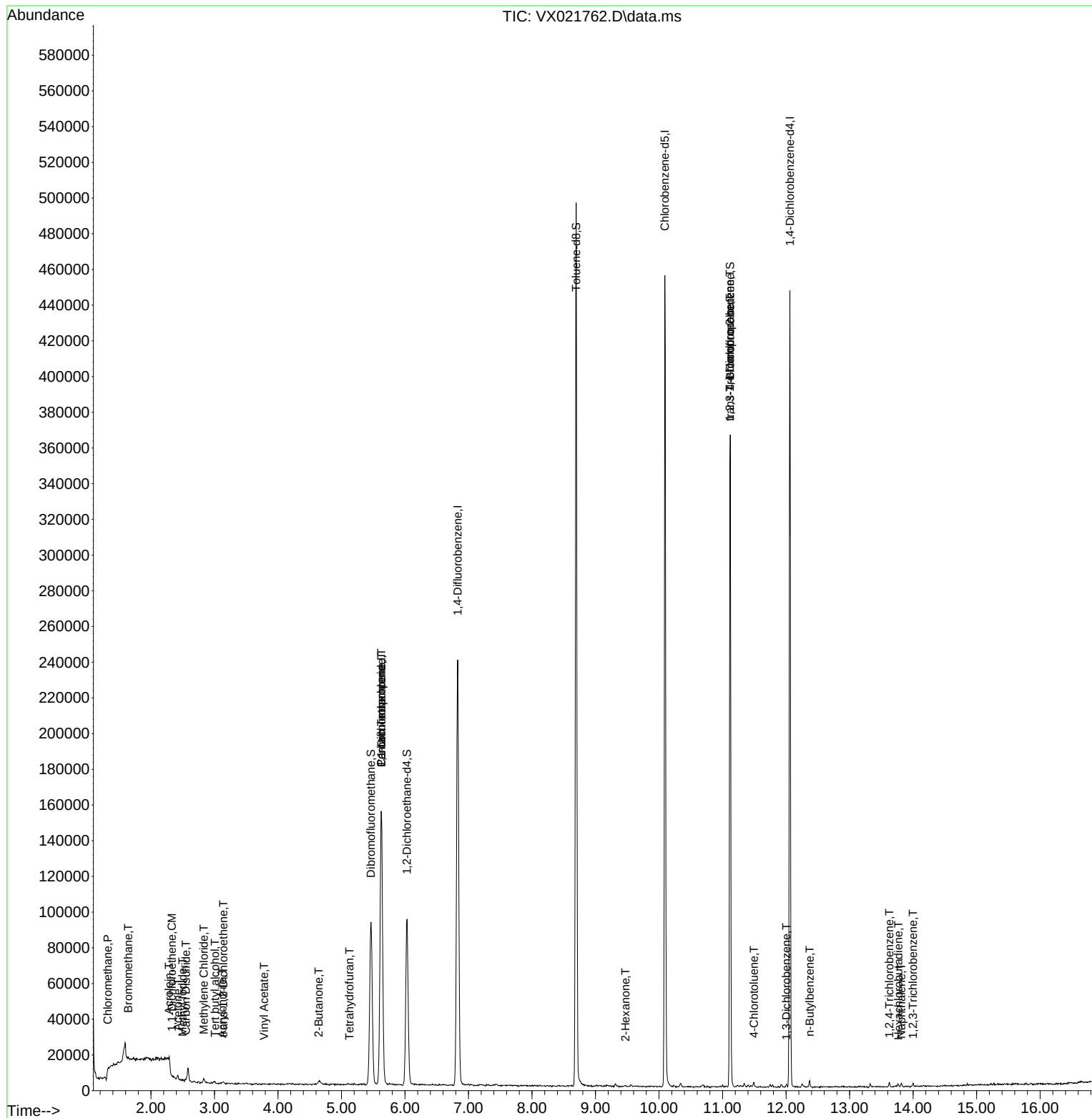
Internal Standards						
1) Pentafluorobenzene	5.629	168	153407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	255741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	223267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	94755	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	88424	50.81	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.62%
35) Dibromofluoromethane	5.464	113	81882	50.07	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.14%
50) Toluene-d8	8.695	98	305668	48.61	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.22%
62) 4-Bromofluorobenzene	11.122	95	104673	44.57	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.14%
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	3467	2.08	ug/l	99
5) Bromomethane	1.642	94	563	0.73	ug/l #	16
10) Methyl Iodide	2.495	142	544	8.56	ug/l #	89
11) Tert butyl alcohol	3.007	59	497	1.30	ug/l #	58
12) 1,1-Dichloroethene	2.331	96	346	0.24	ug/l #	1
13) Acrolein	2.282	56	666	2.16	ug/l #	14
15) Acrylonitrile	3.123	53	360	0.47	ug/l #	65
16) Acetone	2.422	43	2900	4.85	ug/l	95
17) Carbon Disulfide	2.550	76	1500	0.37	ug/l #	92
20) Methylene Chloride	2.831	84	1239	0.69	ug/l	86
21) trans-1,2-Dichloroethene	3.142	96	372	0.23	ug/l #	65
23) Vinyl Acetate	3.782	43	796	0.20	ug/l #	68
25) 2-Butanone	4.641	43	528	0.52	ug/l #	45
29) Tetrahydrofuran	5.123	42	665	1.01	ug/l #	43
36) 1,1-Dichloropropene	5.629	75	10571	4.68	ug/l #	50
38) Carbon Tetrachloride	5.629	117	14669	5.93	ug/l #	15
59) 2-Hexanone	9.470	43	369	0.23	ug/l #	55
76) 1,2,3-Trichloropropane	11.116	75	47779	25.43	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	47779	58.47	ug/l #	12
82) 4-Chlorotoluene	11.494	91	1075	0.21	ug/l	93
87) 1,3-Dichlorobenzene	12.006	146	611	0.20	ug/l	91
89) n-Butylbenzene	12.372	91	1135	0.22	ug/l	96
93) 1,2,4-Trichlorobenzene	13.628	180	605	0.29	ug/l	96
94) Hexachlorobutadiene	13.768	225	301	0.29	ug/l	85
95) Naphthalene	13.817	128	1443	0.23	ug/l	99
96) 1,2,3-Trichlorobenzene	13.999	180	599	0.30	ug/l	98

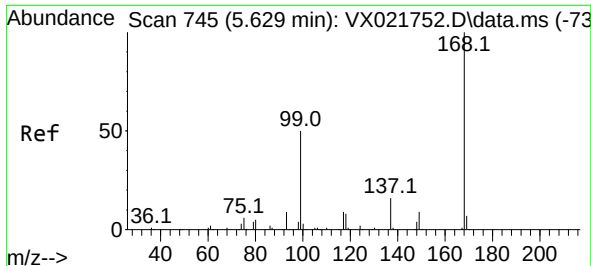
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 21 11:22:05 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

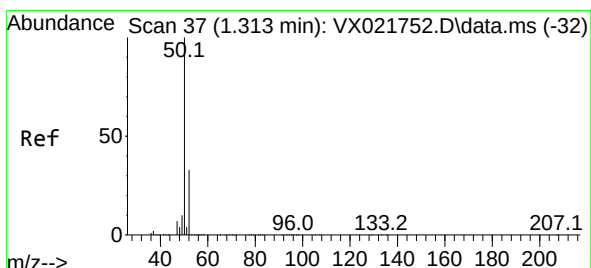
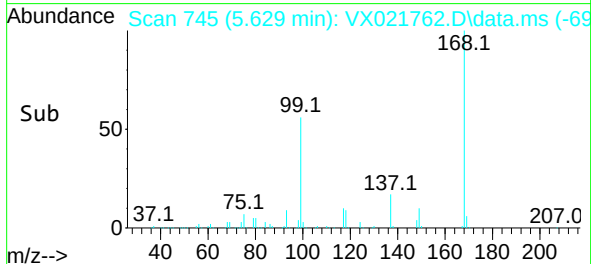
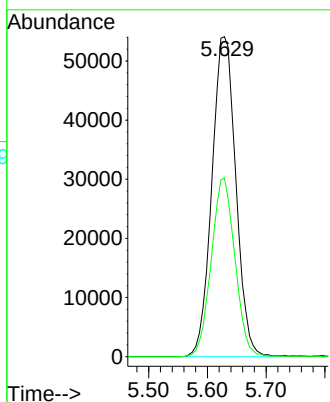
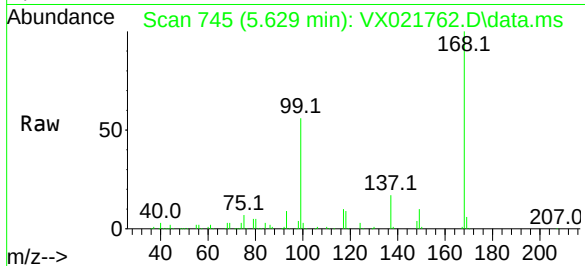




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

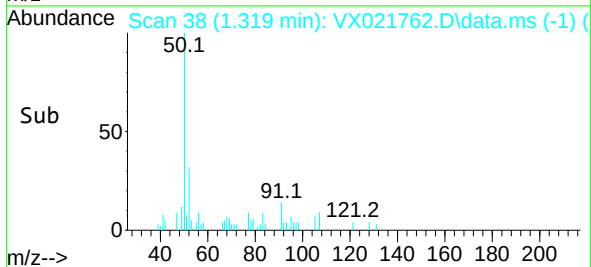
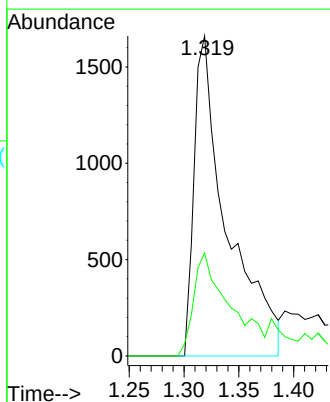
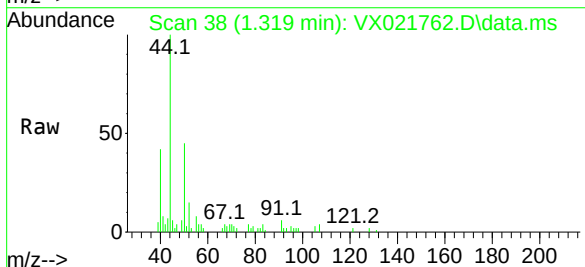
Instrument :
MSVOA_X
ClientSampleId :

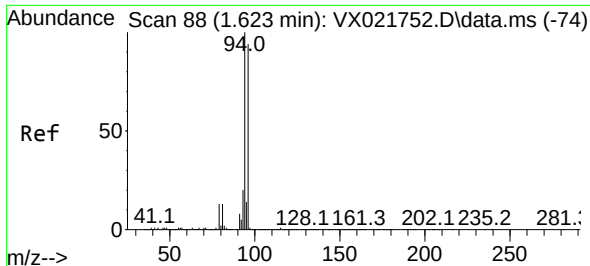
Tgt Ion:168 Resp: 153407
Ion Ratio Lower Upper
168 100
99 55.8 45.8 68.6



#3
Chloromethane
Concen: 2.08 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 50 Resp: 3467
Ion Ratio Lower Upper
50 100
52 32.2 26.4 39.6

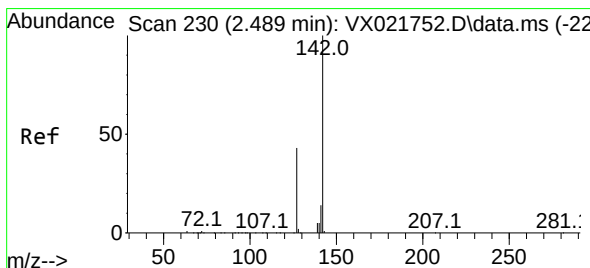
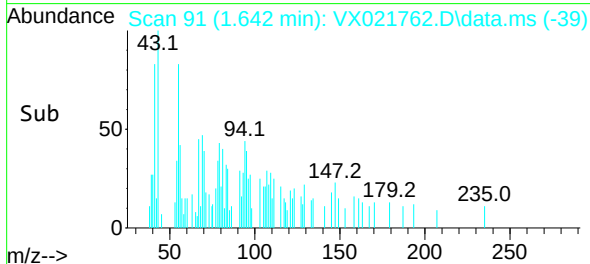
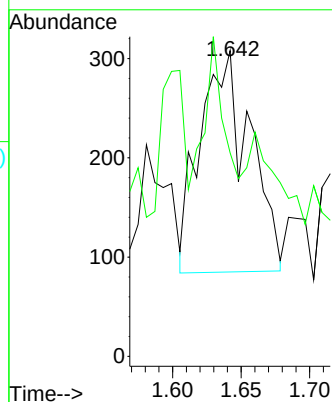
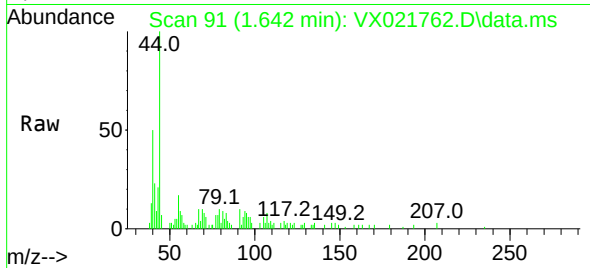




#5
Bromomethane
Concen: 0.73 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.019 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

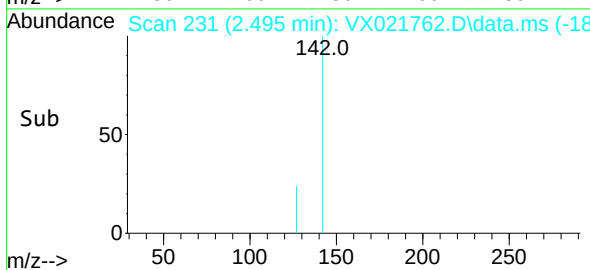
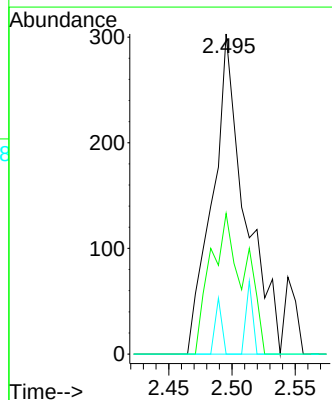
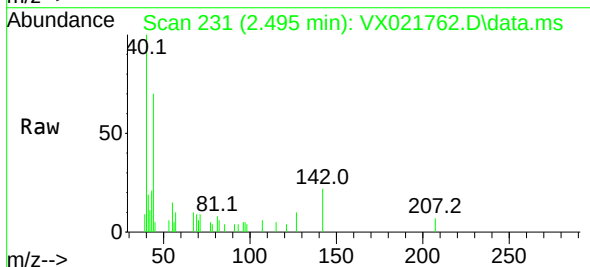
Instrument :
MSVOA_X
ClientSampleId :

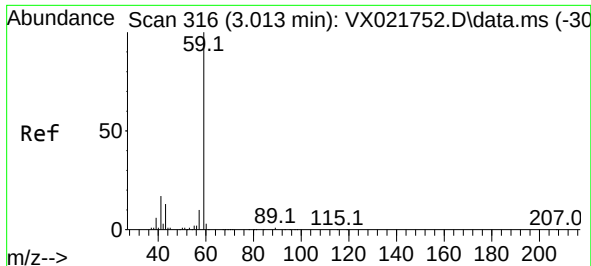
Tgt Ion: 94 Resp: 563
Ion Ratio Lower Upper
94 100
96 14.2 76.4 114.6#



#10
Methyl Iodide
Concen: 8.56 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

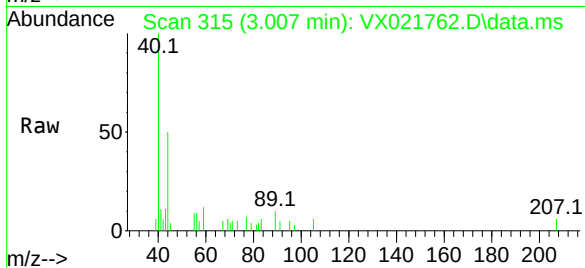
Tgt Ion: 142 Resp: 544
Ion Ratio Lower Upper
142 100
127 45.4 33.3 49.9
141 3.5 11.4 17.0#



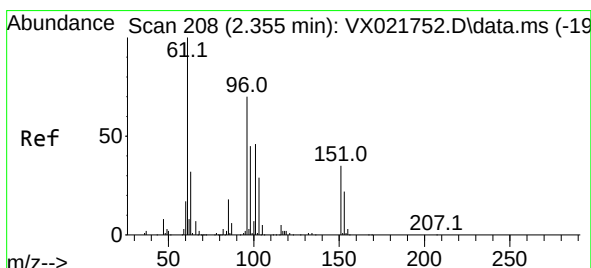
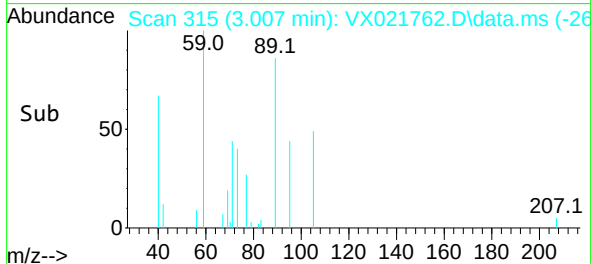
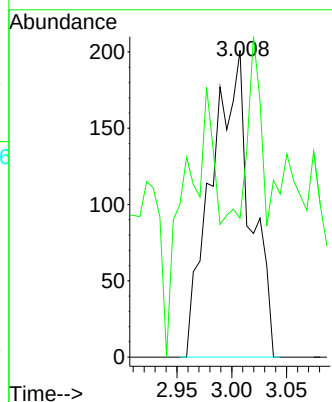


#11
Tert butyl alcohol
Concen: 1.30 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Instrument :
MSVOA_X
ClientSampled :

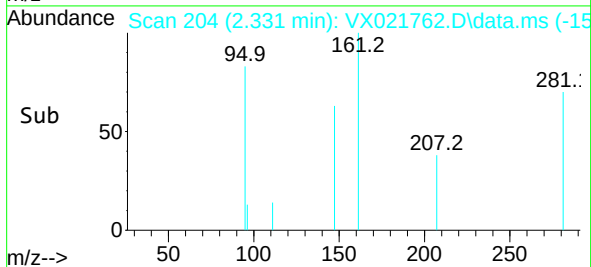
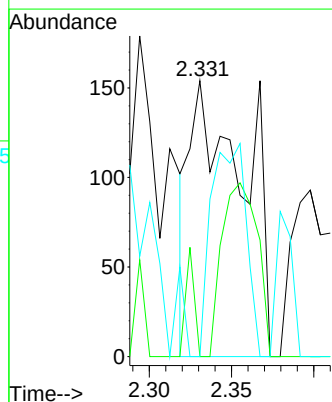
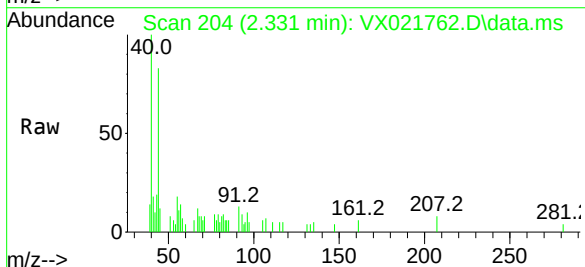


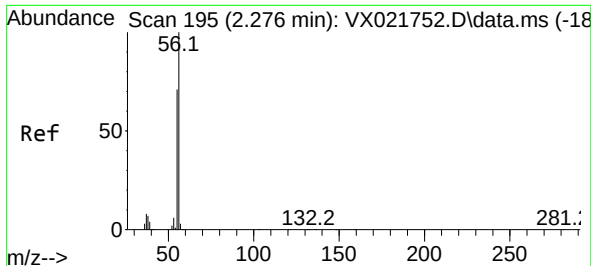
Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
57 25.2 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.24 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.024 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 96 Resp: 346
Ion Ratio Lower Upper
96 100
61 0.0 124.6 187.0#
98 0.0 50.6 76.0#

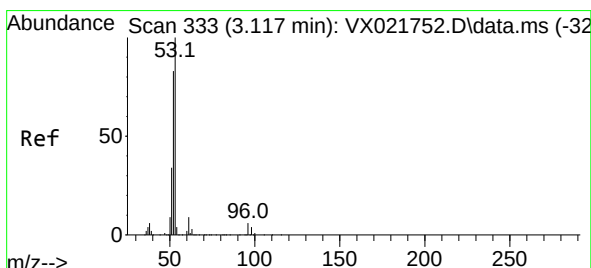
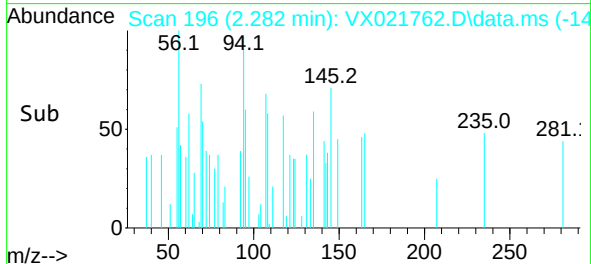
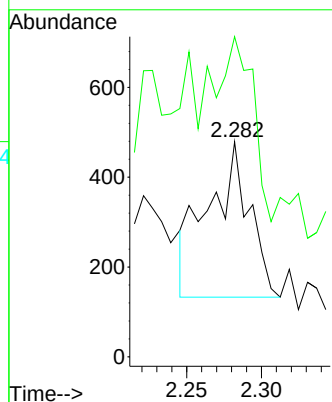
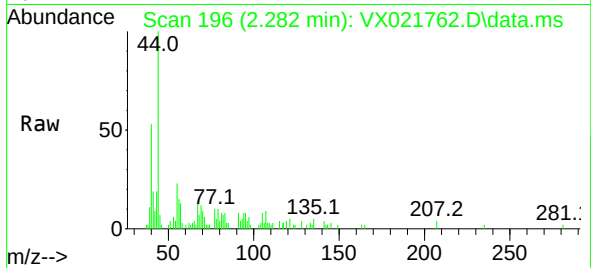




#13
Acrolein
Concen: 2.16 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

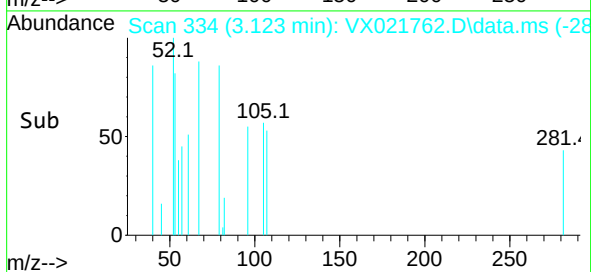
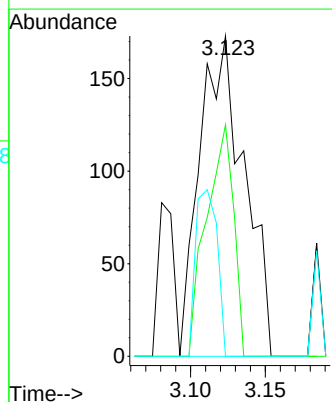
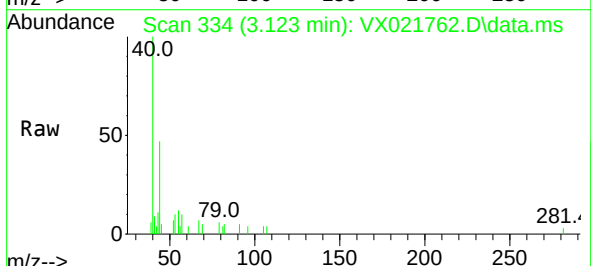
Instrument :
MSVOA_X
ClientSampleId :

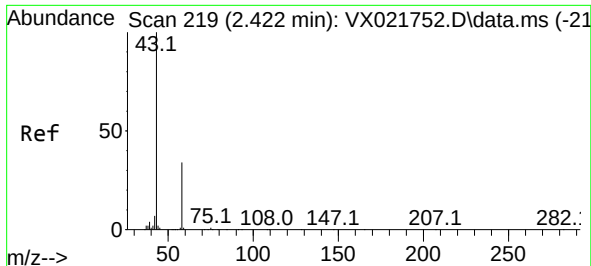
Tgt Ion: 56 Resp: 666
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#15
Acrylonitrile
Concen: 0.47 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 53 Resp: 360
Ion Ratio Lower Upper
53 100
52 43.9 65.3 97.9#
51 25.0 28.2 42.2#

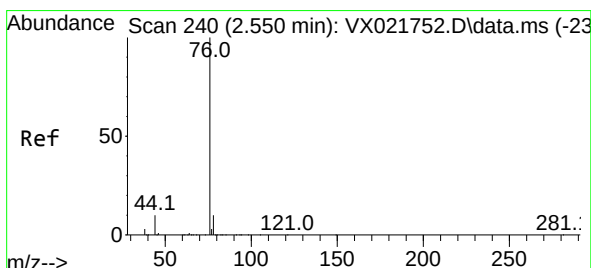
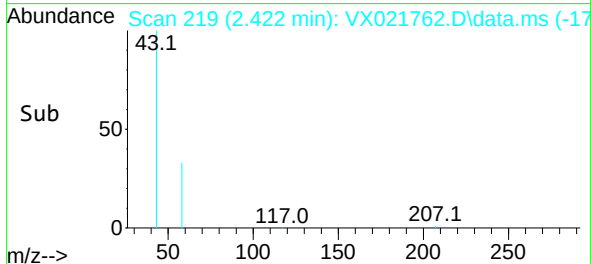
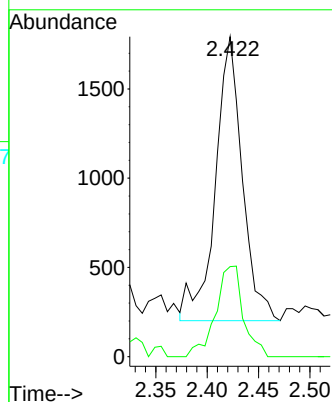
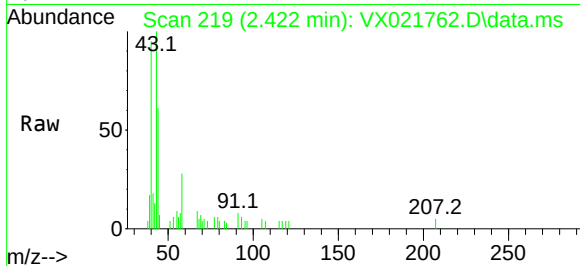




#16
Acetone
Concen: 4.85 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

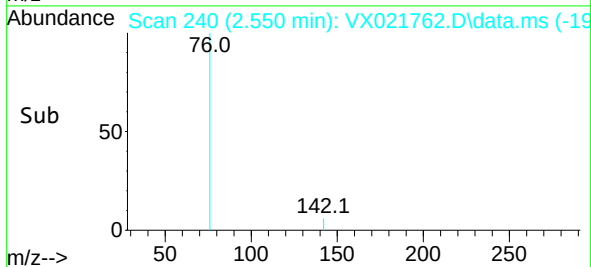
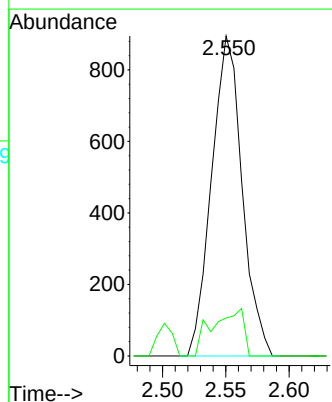
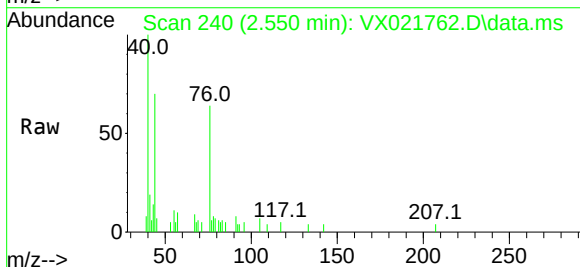
Instrument :
MSVOA_X
ClientSampled :

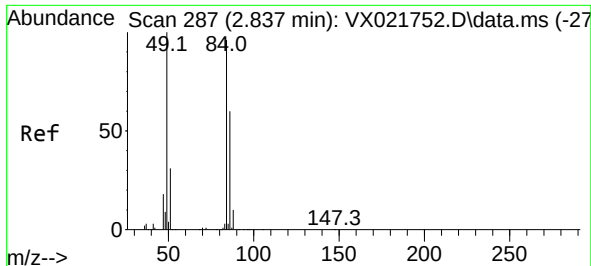
Tgt Ion: 43 Resp: 2900
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.8



#17
Carbon Disulfide
Concen: 0.37 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 76 Resp: 1500
Ion Ratio Lower Upper
76 100
78 11.8 7.2 10.8#

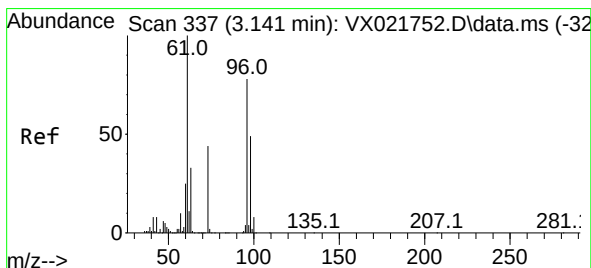
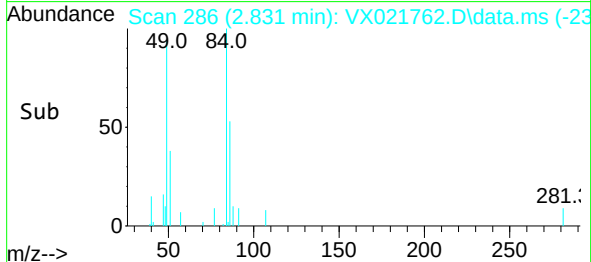
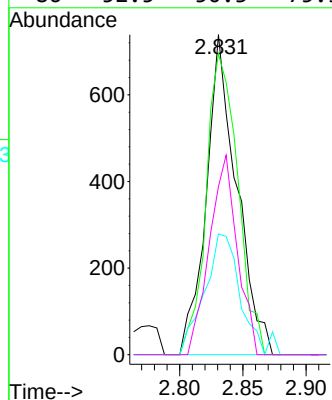
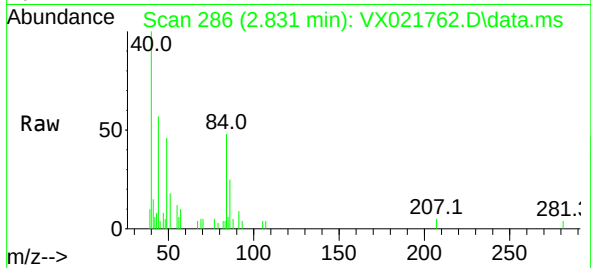




#20
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

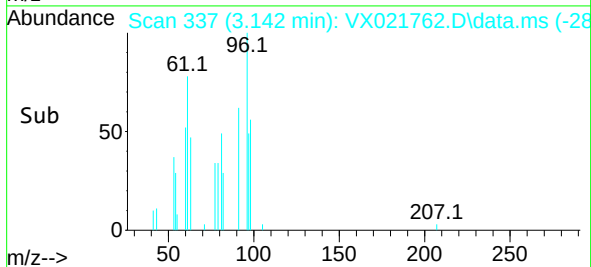
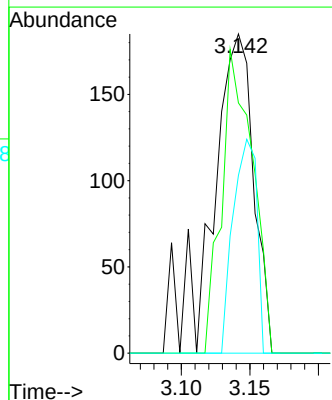
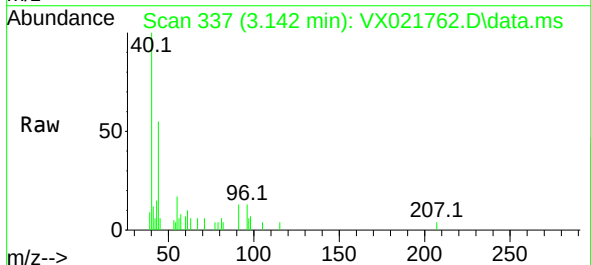
Instrument :
MSVOA_X
ClientSampleId :

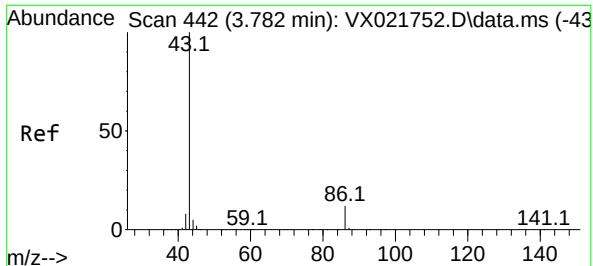
Tgt Ion: 84	Resp: 1239
Ion Ratio	Lower Upper
84 100	
49 94.0	88.6 132.8
51 37.8	27.0 40.6
86 52.5	50.3 75.5



#21
trans-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.001 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 96	Resp: 372		
Ion Ratio	Lower	Upper	
96 100			
61 78.4	107.7	161.5#	
98 55.7	50.4	75.6	

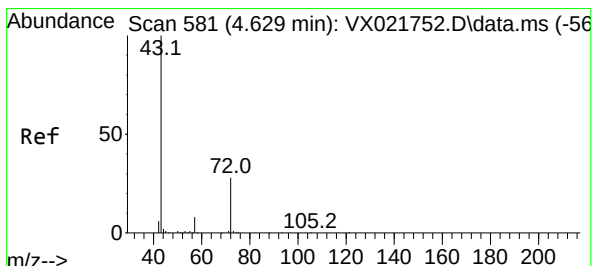
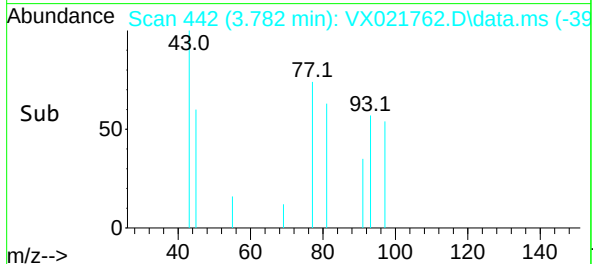
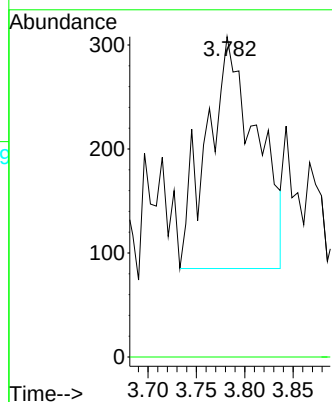
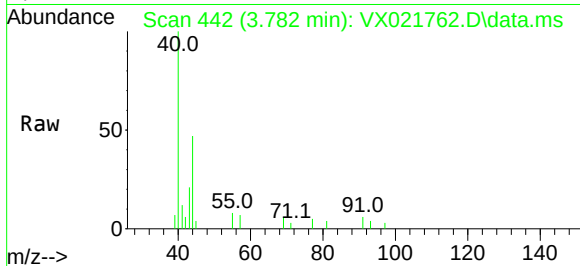




#23
 Vinyl Acetate
 Concen: 0.20 ug/l
 RT: 3.782 min Scan# 442
 Delta R.T. -0.000 min
 Lab File: VX021762.D
 Acq: 20 Apr 2021 18:41

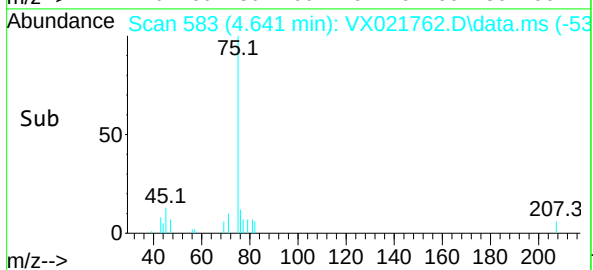
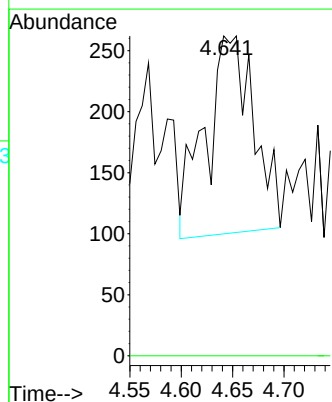
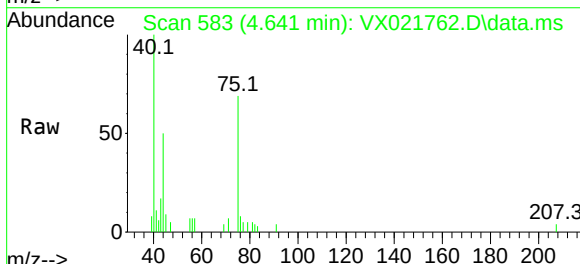
Instrument :
 MSVOA_X
 ClientSampled :

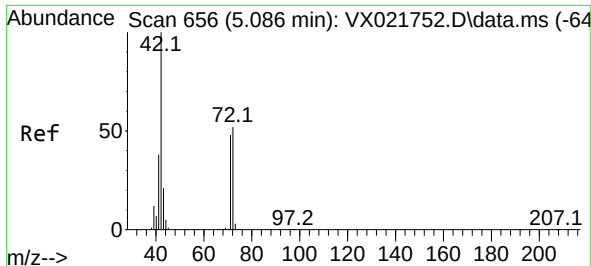
Tgt Ion: 43 Resp: 796
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 0.52 ug/l
 RT: 4.641 min Scan# 583
 Delta R.T. 0.012 min
 Lab File: VX021762.D
 Acq: 20 Apr 2021 18:41

Tgt Ion: 43 Resp: 528
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.01 ug/l

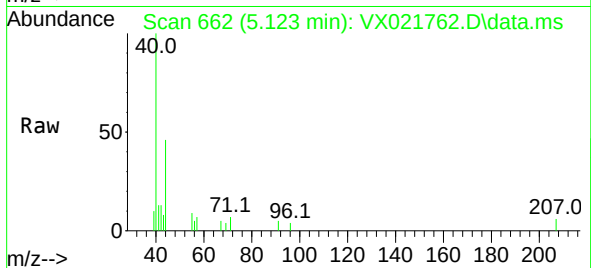
RT: 5.123 min Scan# 662

Delta R.T. 0.037 min

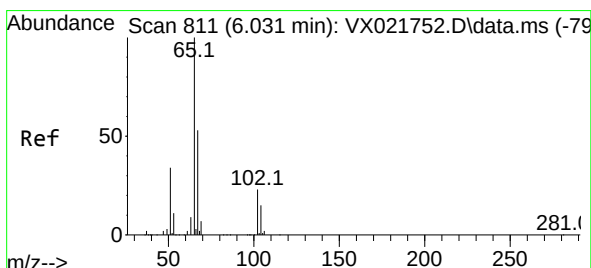
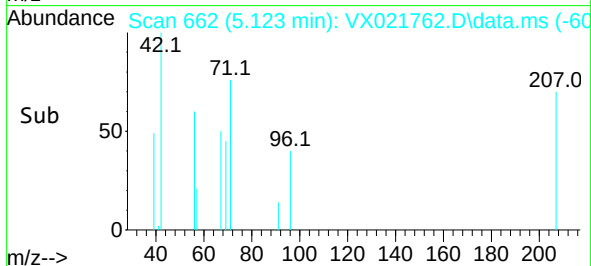
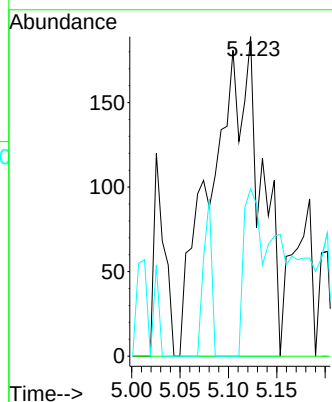
Lab File: VX021762.D

Acq: 20 Apr 2021 18:41

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	42	Resp:	665
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	21.8	38.4	57.6#



#33

1,2-Dichloroethane-d4

Concen: 50.81 ug/l

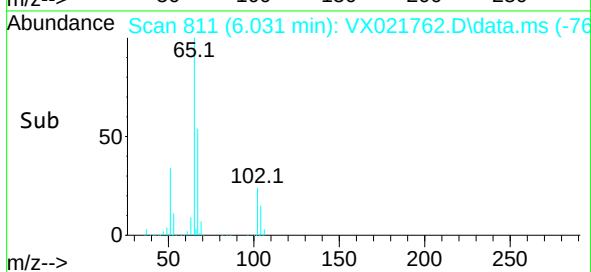
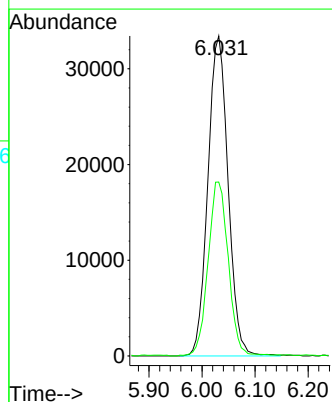
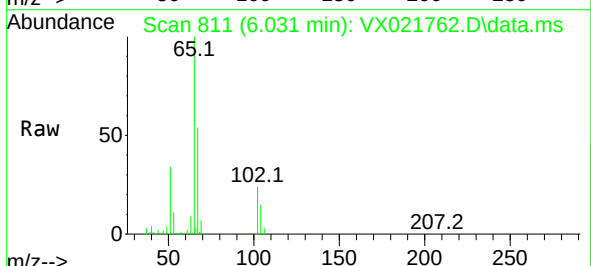
RT: 6.031 min Scan# 811

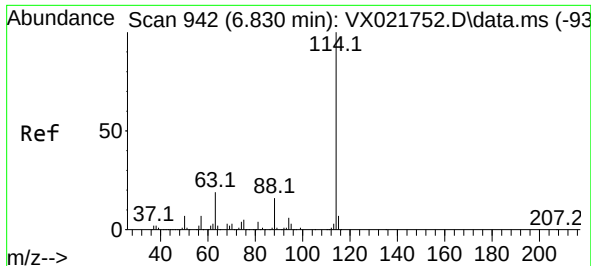
Delta R.T. 0.000 min

Lab File: VX021762.D

Acq: 20 Apr 2021 18:41

Tgt Ion:	65	Resp:	88424
Ion Ratio	100	Lower	Upper
65	100		
67	54.7	0.0	105.4

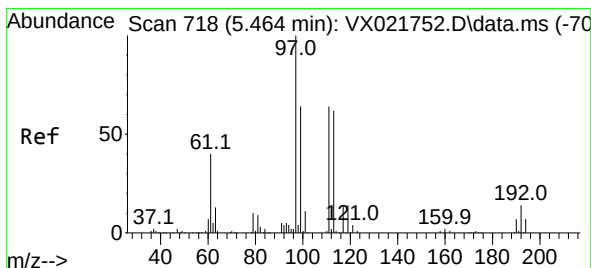
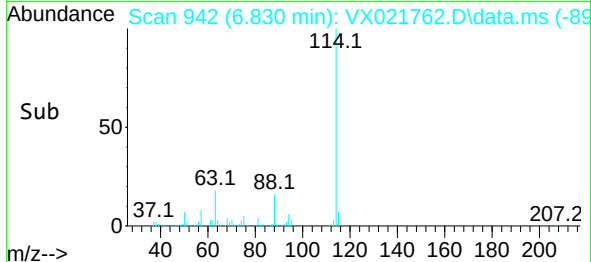
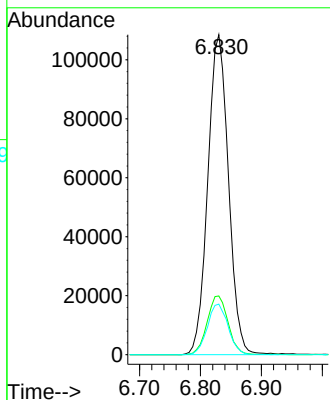
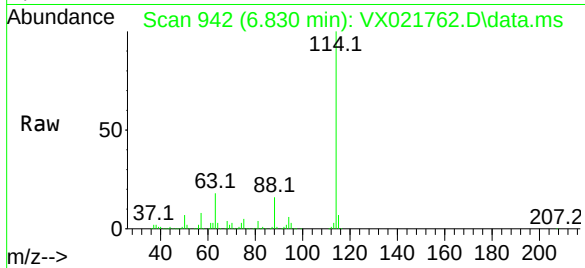




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

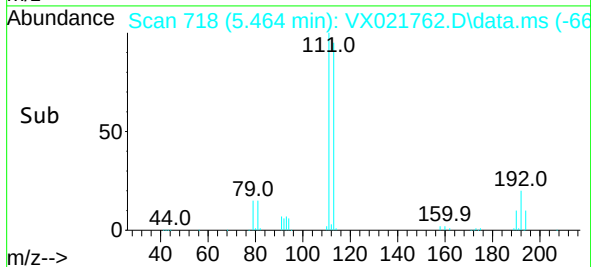
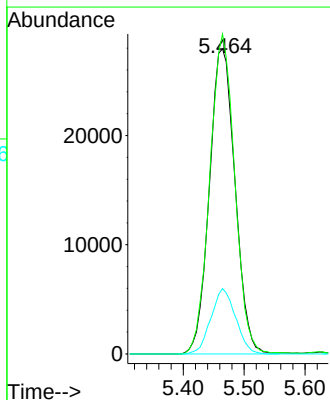
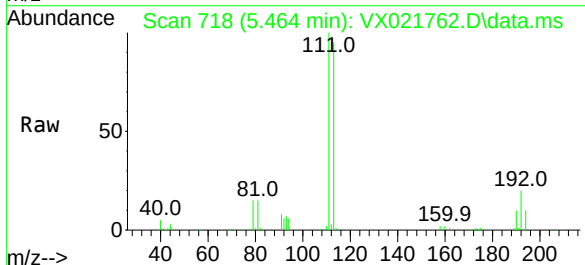
Instrument :
MSVOA_X
ClientSampled :

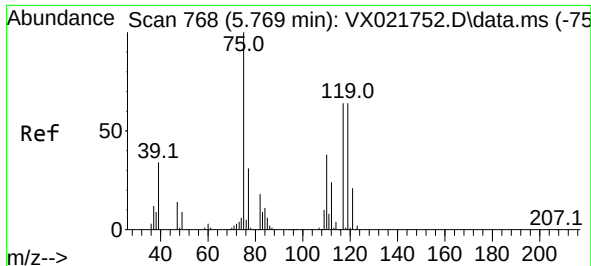
Tgt Ion:114 Resp: 255741
Ion Ratio Lower Upper
114 100
63 18.3 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.07 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

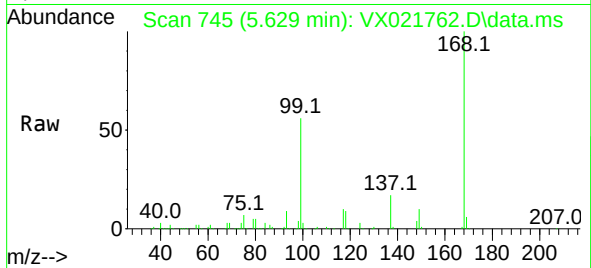
Tgt Ion:113 Resp: 81882
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 20.5 16.7 25.1



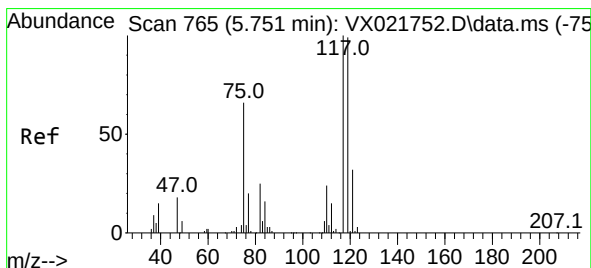
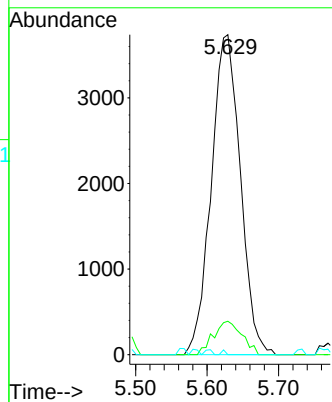
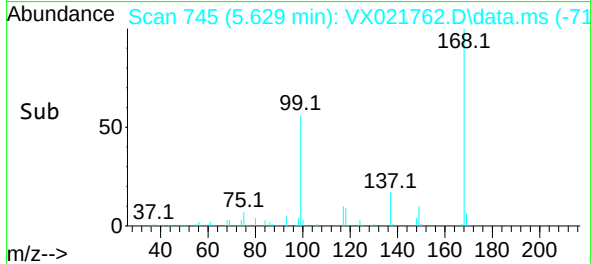


#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

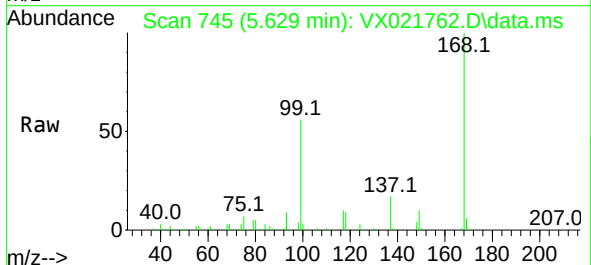
Instrument :
MSVOA_X
ClientSampleId :



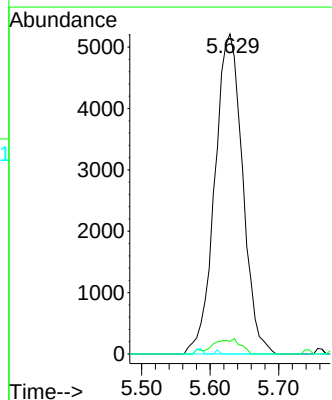
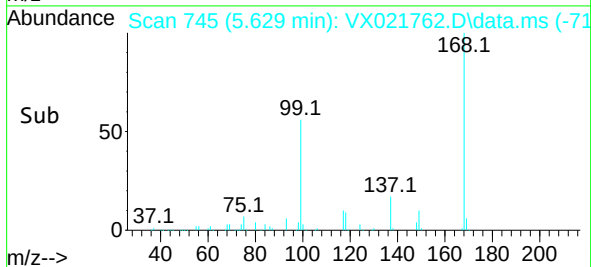
Tgt Ion: 75 Resp: 10571
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.2 25.3 37.9#

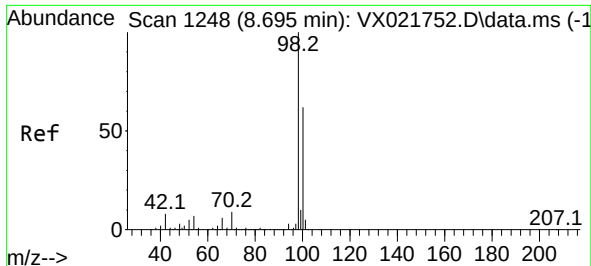


#38
Carbon Tetrachloride
Concen: 5.93 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41



Tgt Ion: 117 Resp: 14669
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#

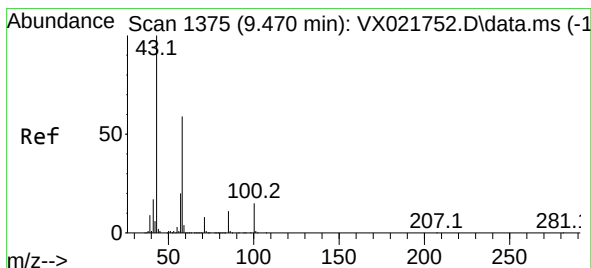
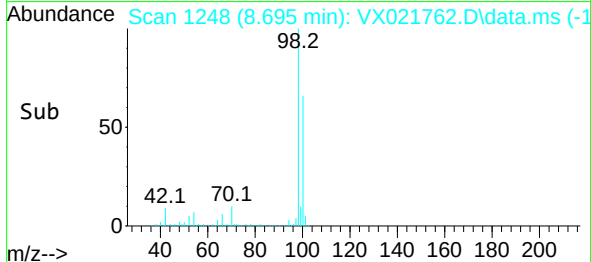
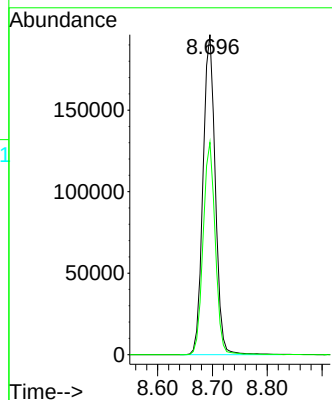
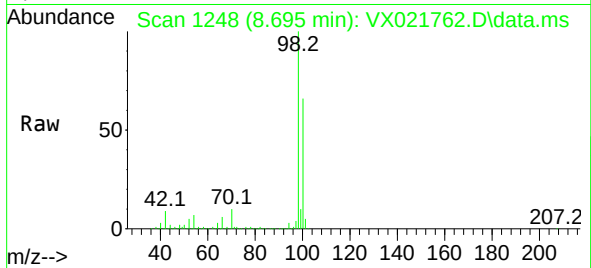




#50
Toluene-d8
Concen: 48.61 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

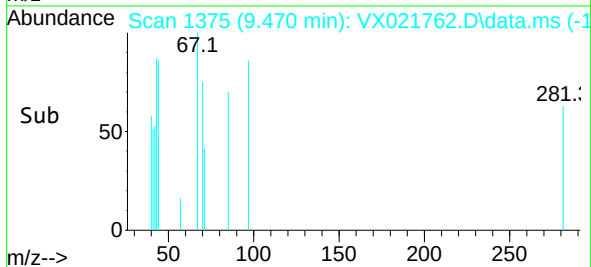
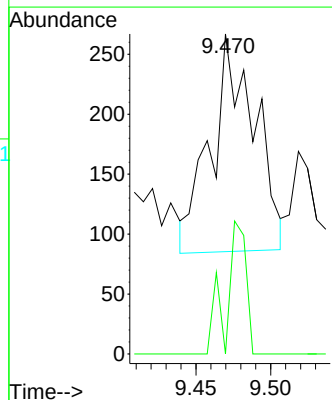
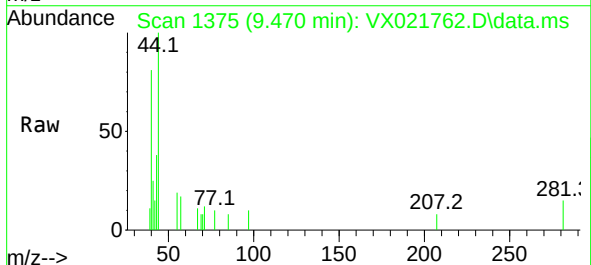
Instrument :
MSVOA_X
ClientSampled :

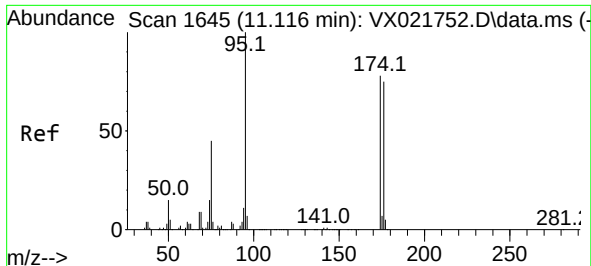
Tgt Ion: 98 Resp: 305668
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#59
2-Hexanone
Concen: 0.23 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
58 27.6 30.9 92.8#

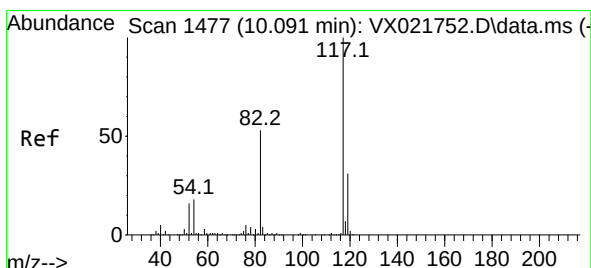
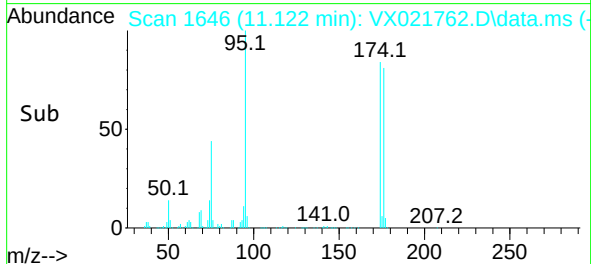
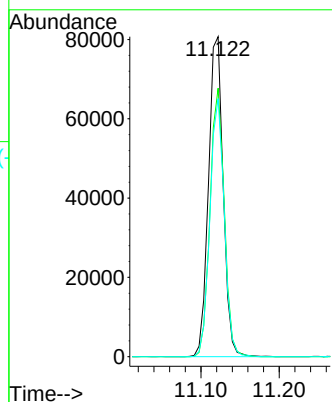
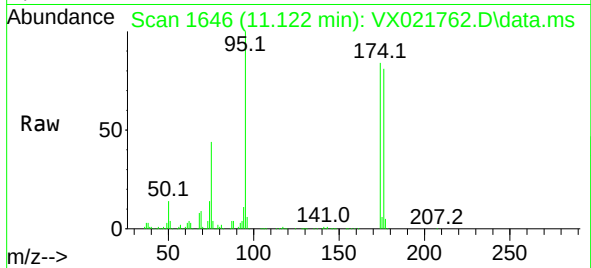




#62
4-Bromofluorobenzene
Concen: 44.57 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

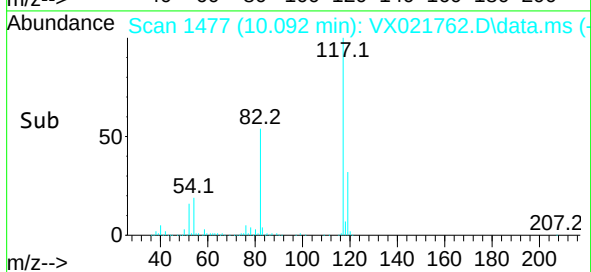
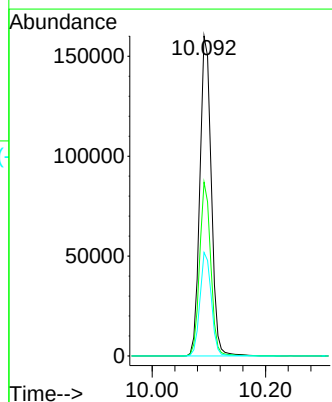
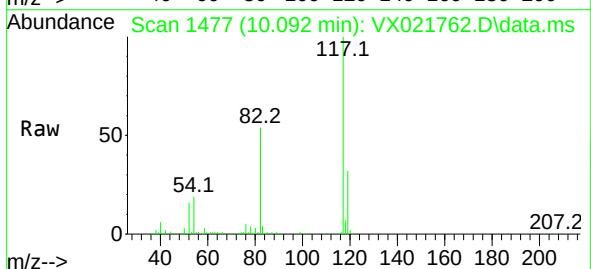
Instrument :
MSVOA_X
ClientSampleId :

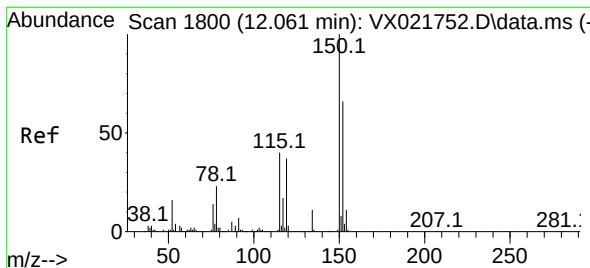
Tgt Ion: 95 Resp: 104673
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 78.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 117 Resp: 223267
Ion Ratio Lower Upper
117 100
82 54.3 47.4 71.2
119 32.3 26.6 39.8

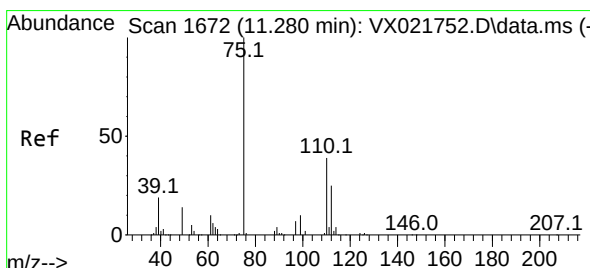
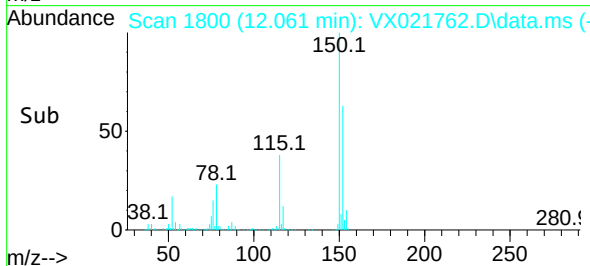
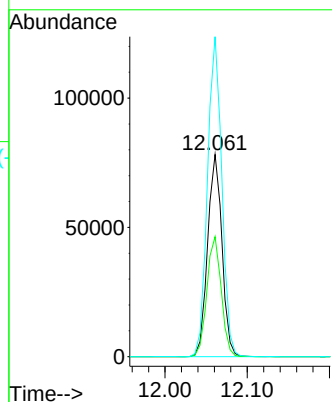
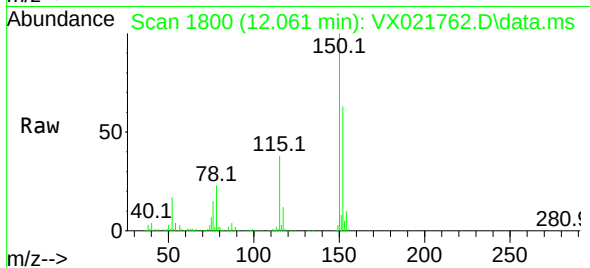




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX021762.D
 Acq: 20 Apr 2021 18:41

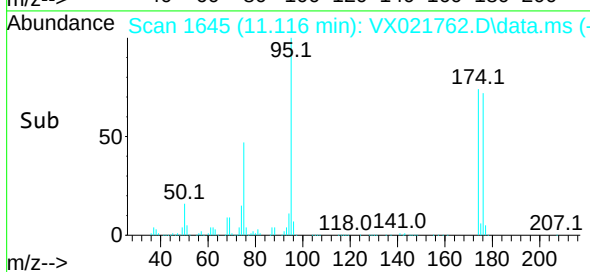
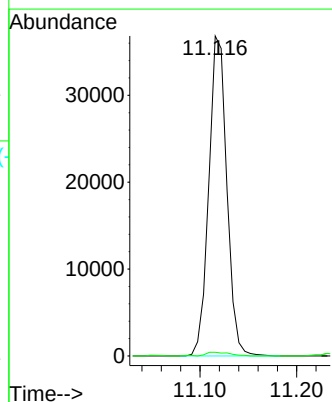
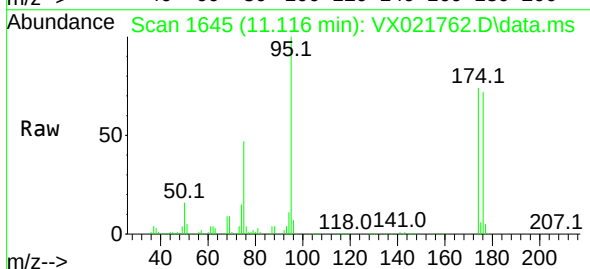
Instrument :
 MSVOA_X
 ClientSampled :

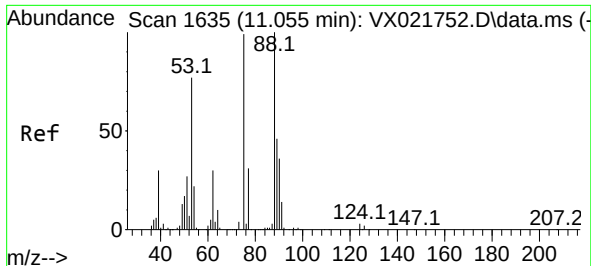
Tgt Ion:152 Resp: 94755
 Ion Ratio Lower Upper
 152 100
 115 59.3 41.1 123.3
 150 157.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.43 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. -0.164 min
 Lab File: VX021762.D
 Acq: 20 Apr 2021 18:41

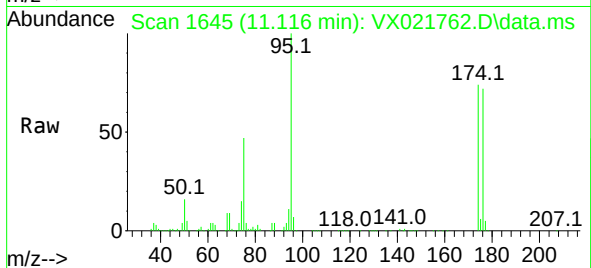
Tgt Ion: 75 Resp: 47779
 Ion Ratio Lower Upper
 75 100
 77 1.7 19.1 57.5#



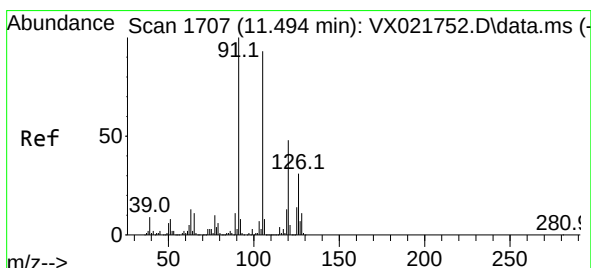
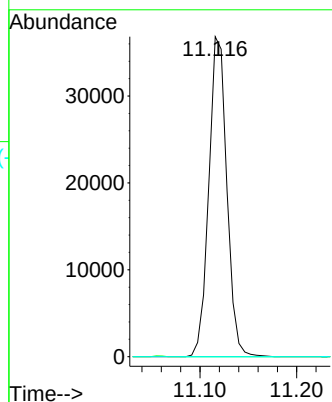
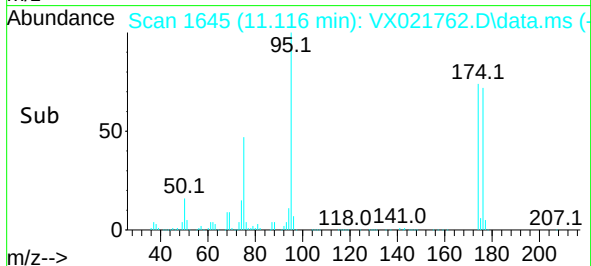


#81
trans-1,4-Dichloro-2-butene
Concen: 58.47 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

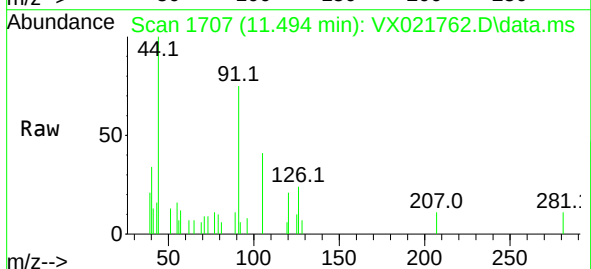
Instrument :
MSVOA_X
ClientSampled :



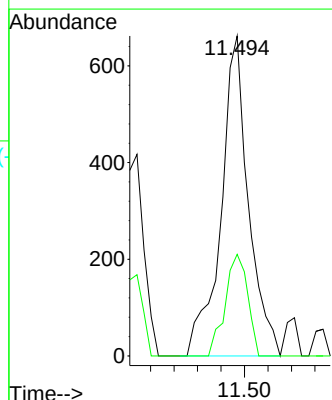
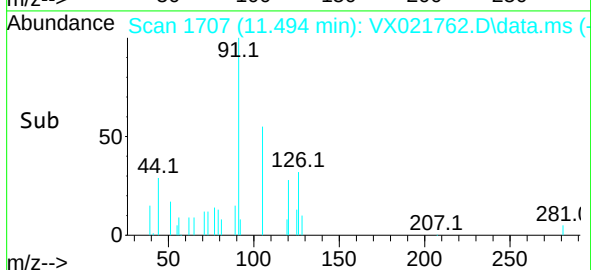
Tgt Ion: 75 Resp: 47779
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

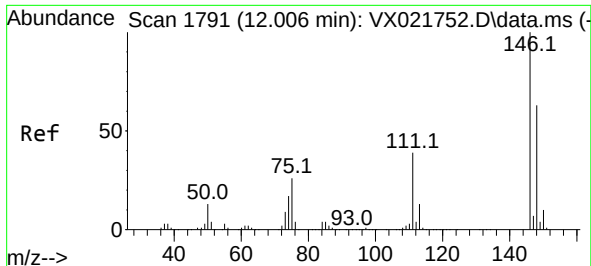


#82
4-Chlorotoluene
Concen: 0.21 ug/l
RT: 11.494 min Scan# 1707
Delta R.T. -0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41



Tgt Ion: 91 Resp: 1075
Ion Ratio Lower Upper
91 100
126 25.9 14.9 44.5

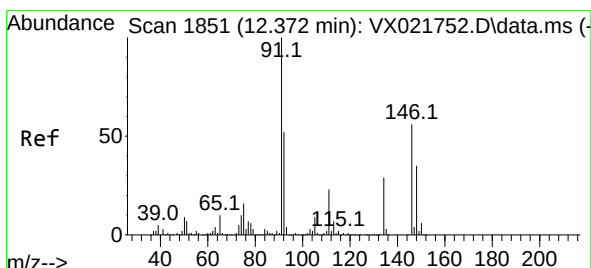
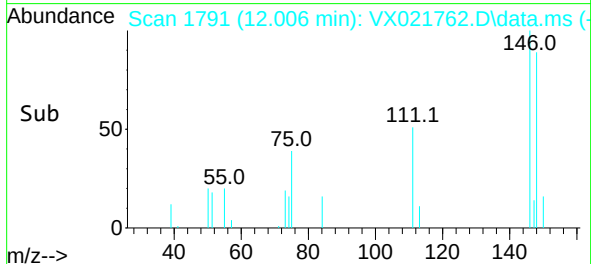
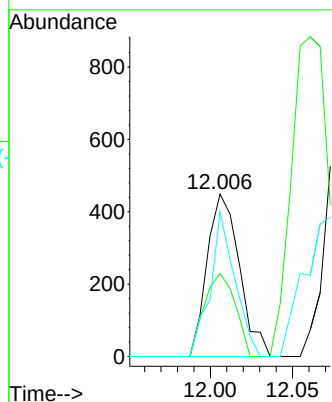
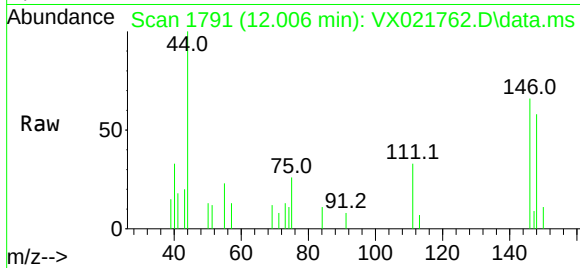




#87
1,3-Dichlorobenzene
Concen: 0.20 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

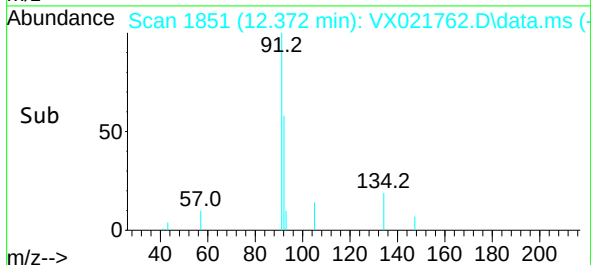
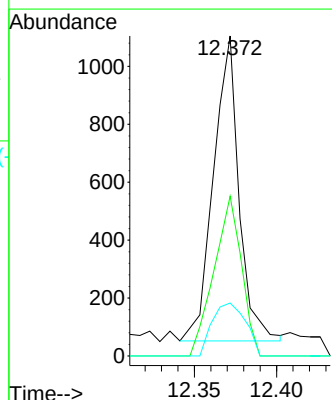
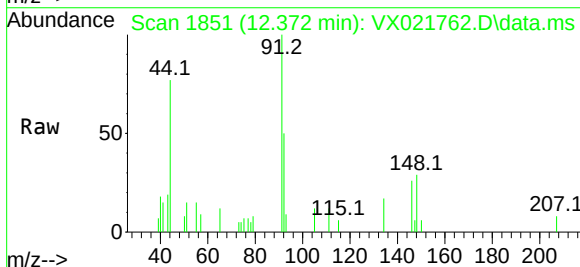
Instrument :
MSVOA_X
ClientSampleId :

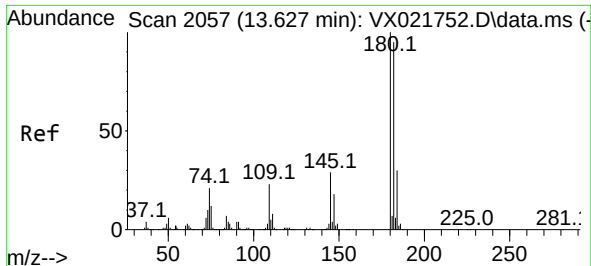
Tgt Ion:146 Resp: 611
Ion Ratio Lower Upper
146 100
111 48.8 20.2 60.5
148 68.7 31.9 95.7



#89
n-Butylbenzene
Concen: 0.22 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion: 91 Resp: 1135
Ion Ratio Lower Upper
91 100
92 56.3 27.4 82.0
134 22.6 13.2 39.5

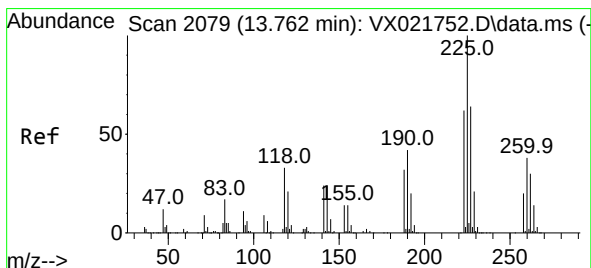
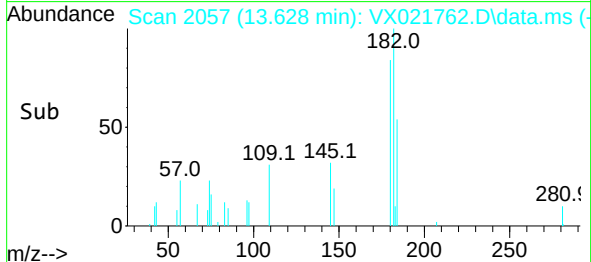
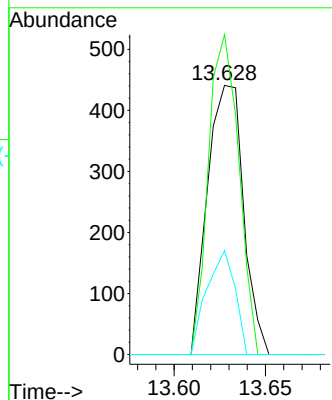
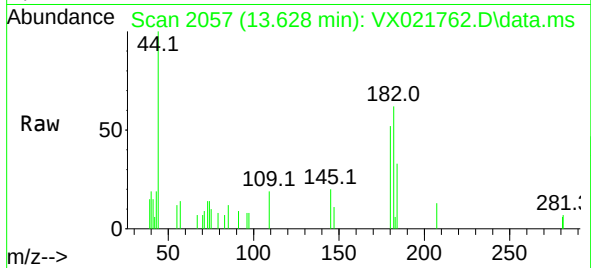




#93
1,2,4-Trichlorobenzene
Concen: 0.29 ug/l
RT: 13.628 min Scan# 2057
Delta R.T. 0.001 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

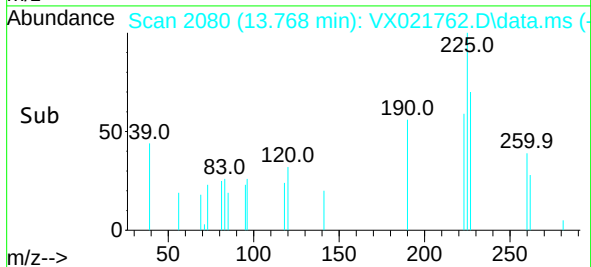
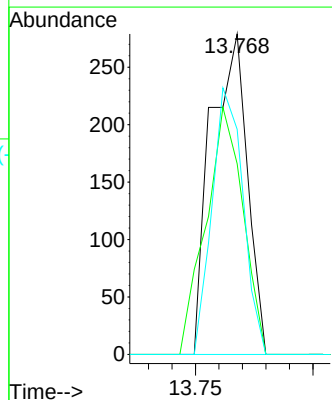
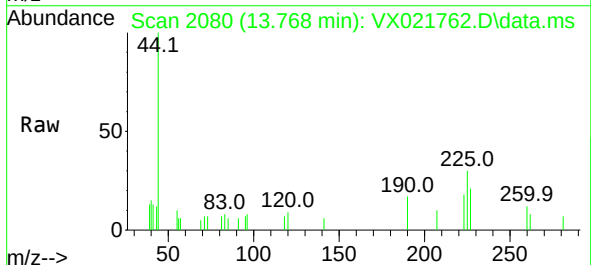
Instrument :
MSVOA_X
ClientSampled :

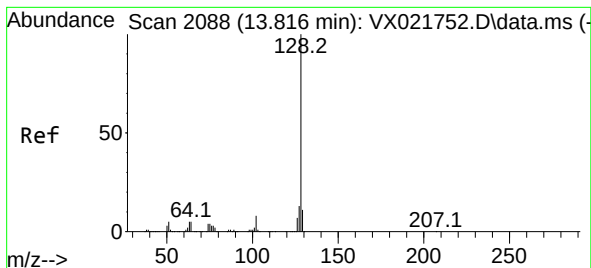
Tgt Ion:180 Resp: 605
Ion Ratio Lower Upper
180 100
182 100.2 47.7 143.1
145 30.2 15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.29 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. 0.006 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion:225 Resp: 301
Ion Ratio Lower Upper
225 100
223 78.4 31.1 93.2
227 70.8 31.6 95.0

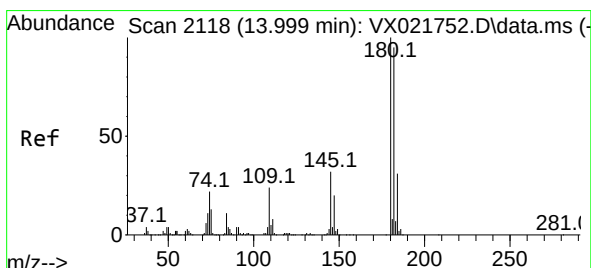
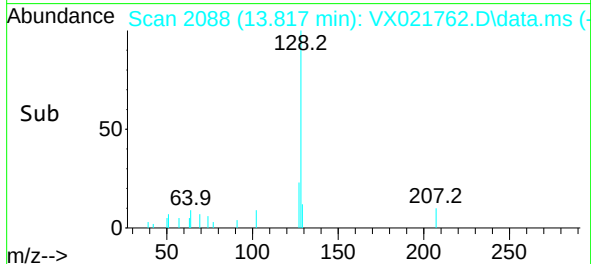
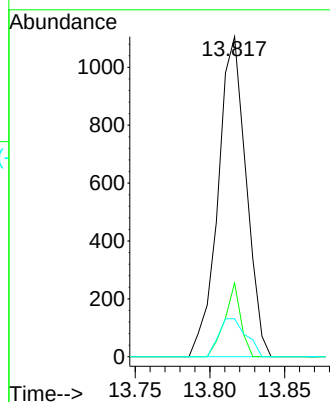
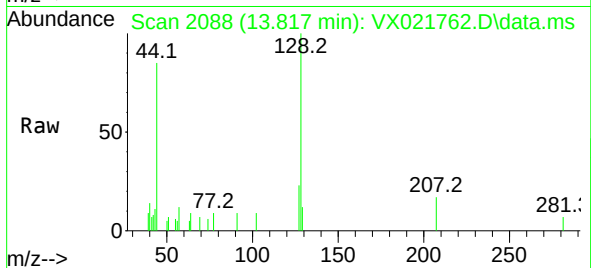




#95
Naphthalene
Concen: 0.23 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	128	Resp:	1443
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.6	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.30 ug/l
RT: 13.999 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VX021762.D
Acq: 20 Apr 2021 18:41

Tgt Ion:	180	Resp:	599
Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.6	142.9
145	34.4	16.1	48.3

