

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
 Data File : VX021246.D
 Acq On : 16 Mar 2021 15:46
 Operator : JC/MD
 Sample : VX0316WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 17 02:39:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

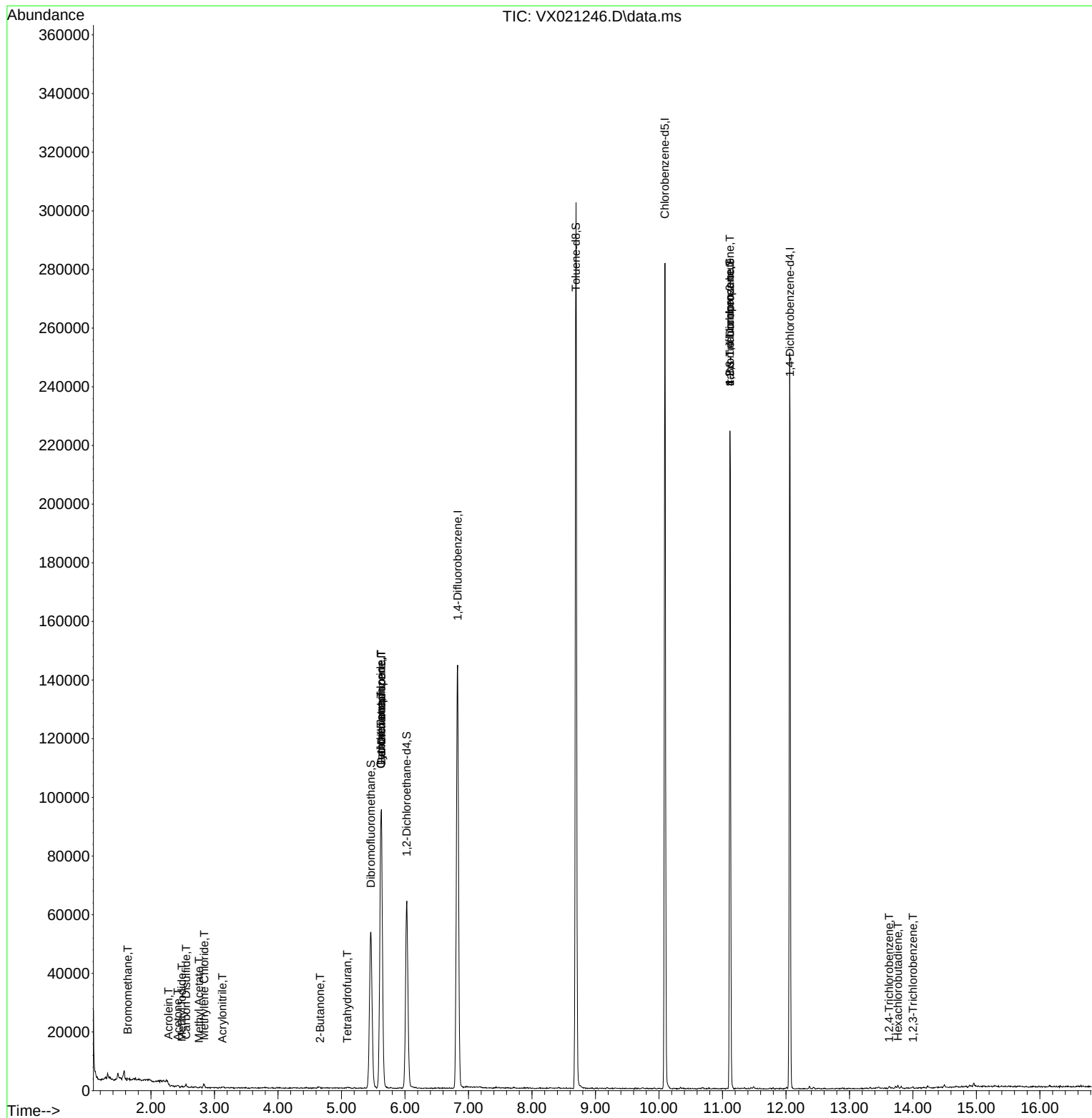
Internal Standards						
1) Pentafluorobenzene	5.629	168	82307	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.829	114	134312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	46786	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	62950	46.63	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.26%
35) Dibromofluoromethane	5.464	113	44476	48.66	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.32%
50) Toluene-d8	8.694	98	164045	49.47	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.94%
62) 4-Bromofluorobenzene	11.118	95	57768	44.86	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.72%
Target Compounds						
					Qvalue	
3) Chloromethane	1.316	50	2208	Below Cal		90
5) Bromomethane	1.634	94	210	0.48 ug/l	#	69
10) Methyl Iodide	2.487	142	362	0.48 ug/l	#	85
13) Acrolein	2.275	56	171	4.37 ug/l		91
15) Acrylonitrile	3.122	53	139	0.26 ug/l	#	48
16) Acetone	2.422	43	556	1.12 ug/l		95
17) Carbon Disulfide	2.552	76	780	0.85 ug/l		96
18) Methyl Acetate	2.758	43	346	0.25 ug/l	#	47
20) Methylene Chloride	2.840	84	389	0.38 ug/l	#	86
25) 2-Butanone	4.664	43	301	0.39 ug/l	#	45
29) Tetrahydrofuran	5.093	42	141	0.28 ug/l	#	27
31) Cyclohexane	5.623	56	2207	1.35 ug/l	#	21
36) 1,1-Dichloropropene	5.629	75	7666	5.66 ug/l	#	49
38) Carbon Tetrachloride	5.623	117	9312	6.63 ug/l	#	16
49) 1,4-Dioxane	7.717	88	122	Below Cal	#	45
76) 1,2,3-Trichloropropane	11.118	75	32141	29.61 ug/l	#	39
81) trans-1,4-Dichloro-2-b...	11.118	75	32141	80.40 ug/l	#	12
93) 1,2,4-Trichlorobenzene	13.624	180	210	0.22 ug/l	#	75
94) Hexachlorobutadiene	13.765	225	203	0.50 ug/l		90
96) 1,2,3-Trichlorobenzene	14.000	180	198	0.21 ug/l	#	55

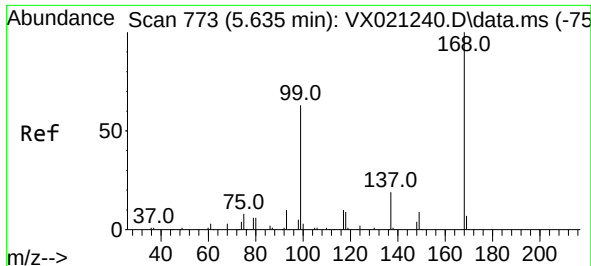
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 17 02:39:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

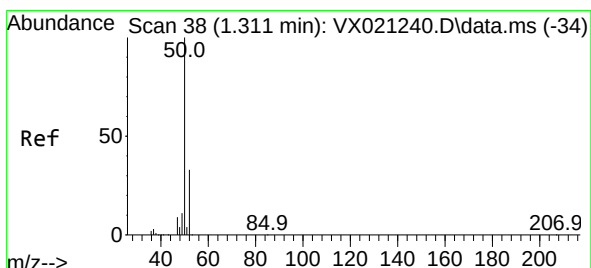
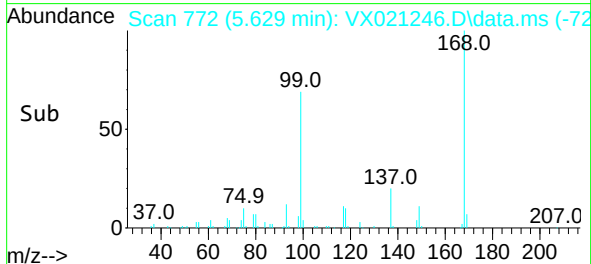
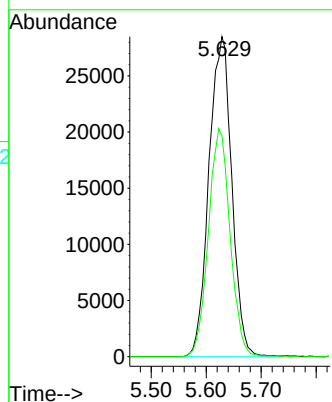
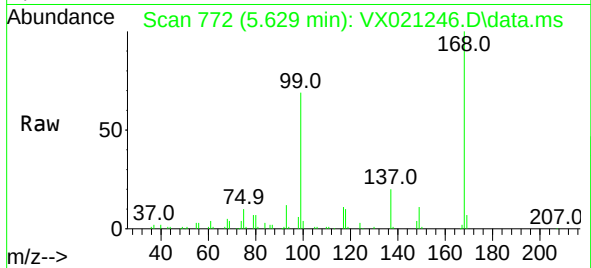




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

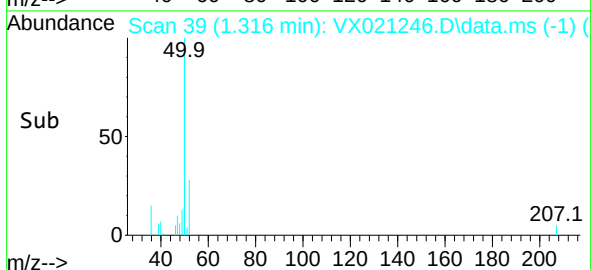
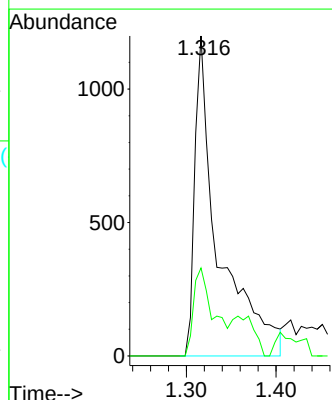
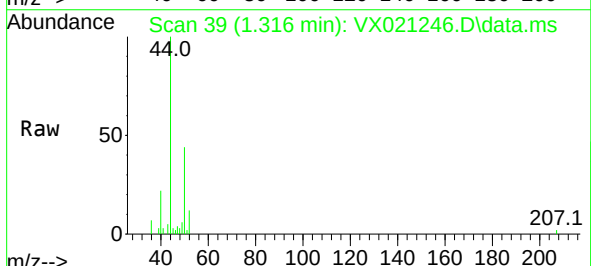
Instrument :
MSVOA_X
ClientSampled :

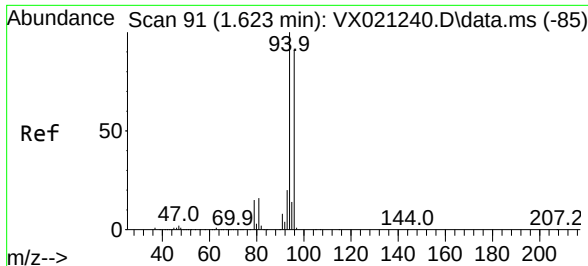
Tgt Ion:168 Resp: 82307
Ion Ratio Lower Upper
168 100
99 69.0 45.8 68.6#



#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

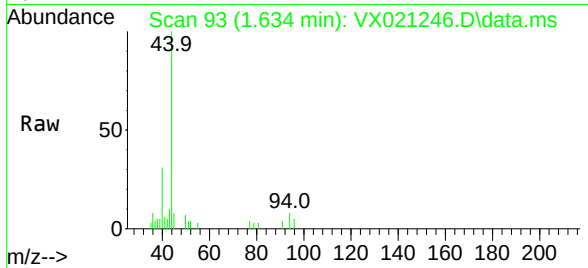
Tgt Ion: 50 Resp: 2208
Ion Ratio Lower Upper
50 100
52 27.5 26.4 39.6



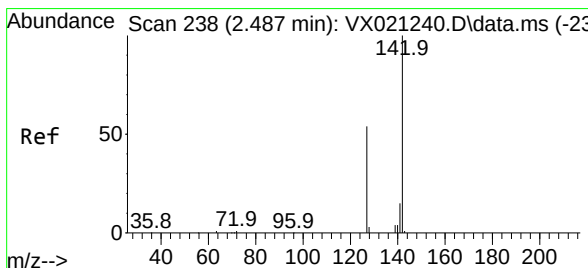
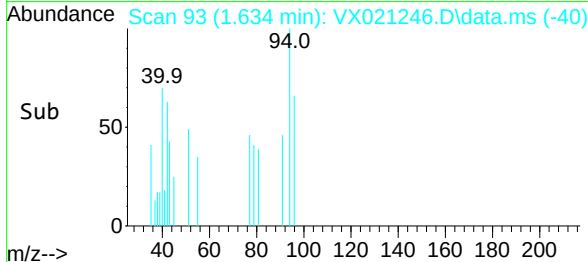
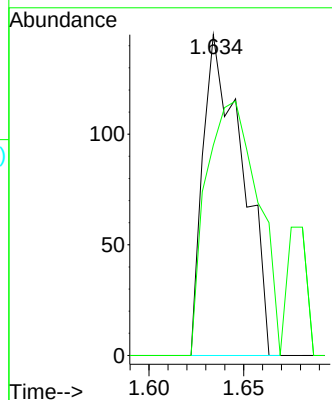


#5
Bromomethane
Concen: 0.48 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Instrument :
MSVOA_X
ClientSampled :

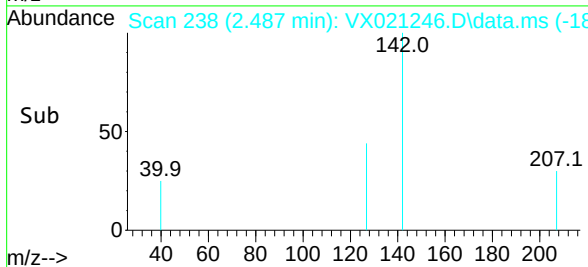
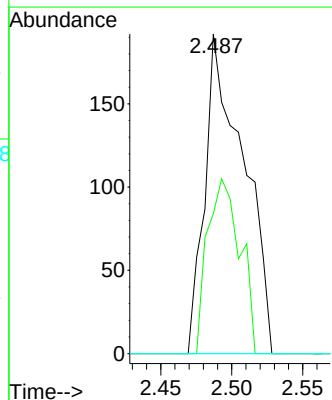
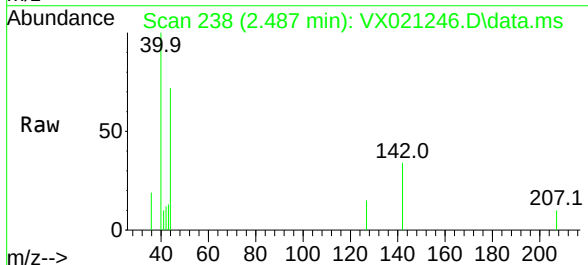


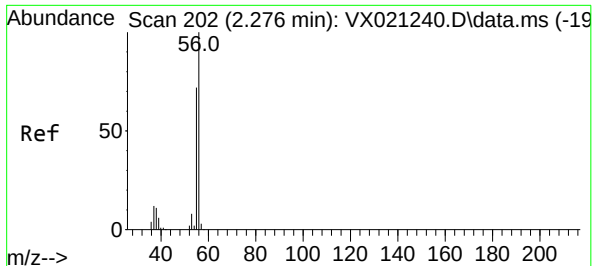
Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 65.5 76.4 114.6#



#10
Methyl Iodide
Concen: 0.48 ug/l
RT: 2.487 min Scan# 238
Delta R.T. 0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

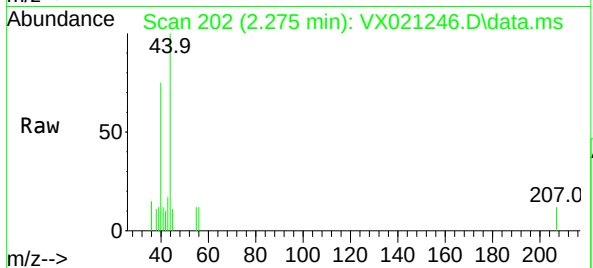
Tgt Ion: 142 Resp: 362
Ion Ratio Lower Upper
142 100
127 46.4 33.3 49.9
141 0.0 11.4 17.0#



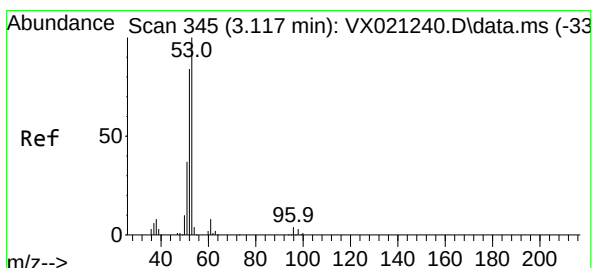
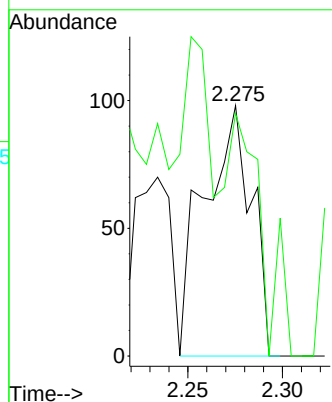
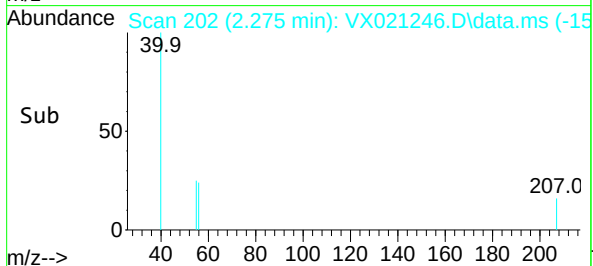


#13
Acrolein
Concen: 4.37 ug/l
RT: 2.275 min Scan# 202
Delta R.T. -0.001 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

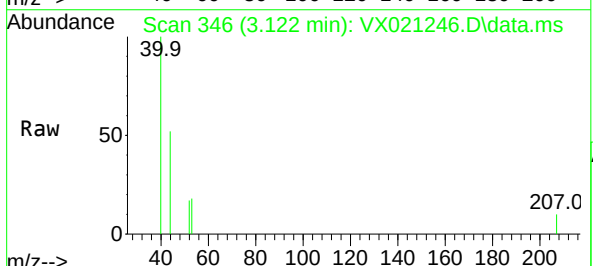
Instrument :
MSVOA_X
ClientSampled :



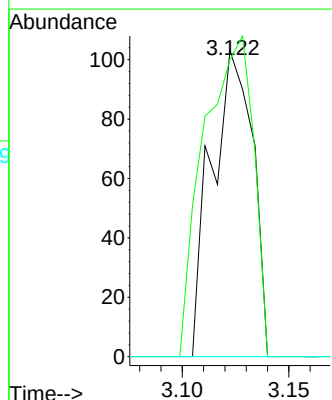
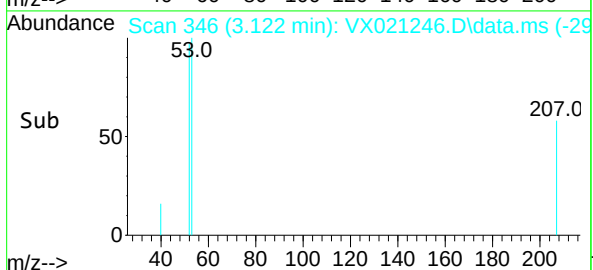
Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 63.2 56.4 84.6

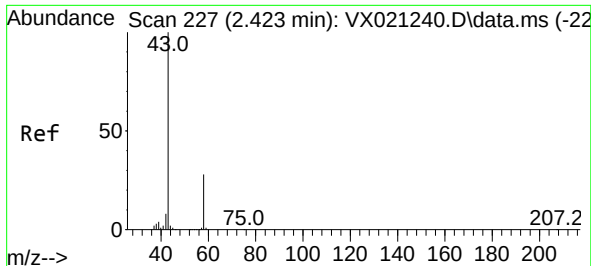


#15
Acrylonitrile
Concen: 0.26 ug/l
RT: 3.122 min Scan# 346
Delta R.T. 0.005 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46



Tgt Ion: 53 Resp: 139
Ion Ratio Lower Upper
53 100
52 125.2 65.3 97.9#
51 0.0 28.2 42.2#

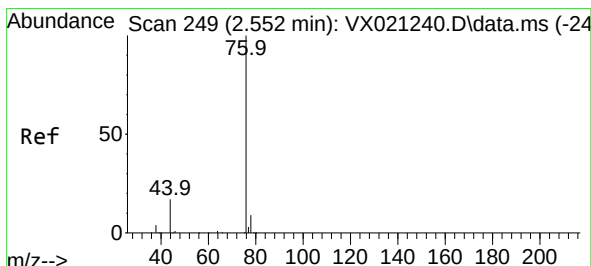
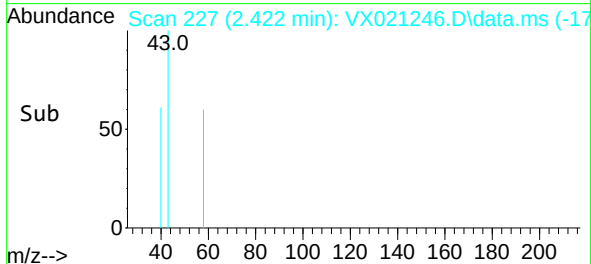
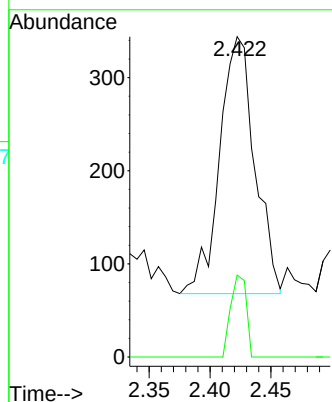
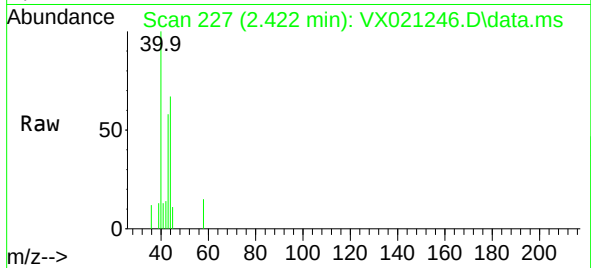




#16
Acetone
Concen: 1.12 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

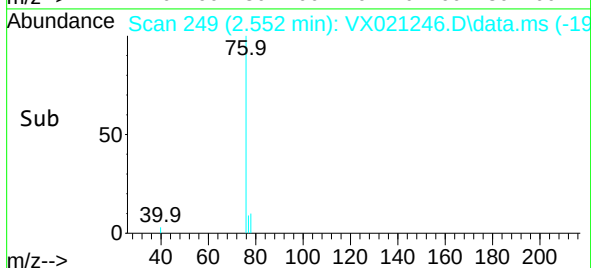
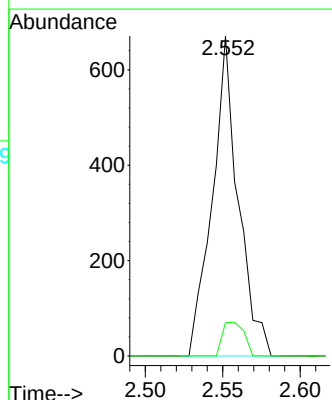
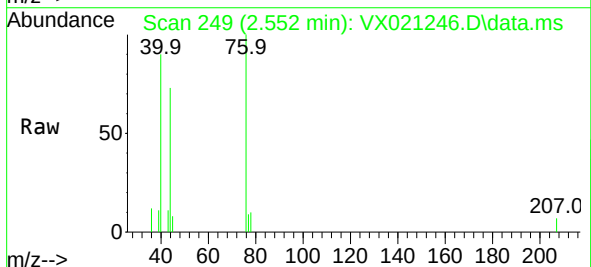
Instrument :
MSVOA_X
ClientSampled :

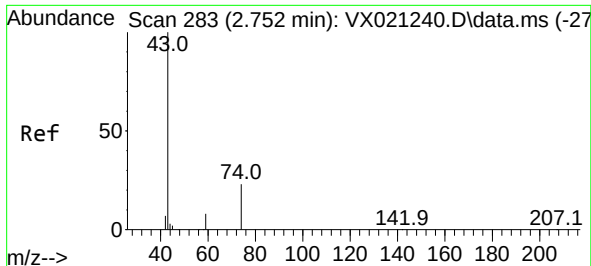
Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
58 31.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.85 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

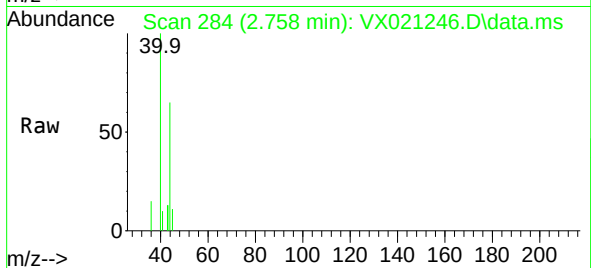
Tgt Ion: 76 Resp: 780
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8



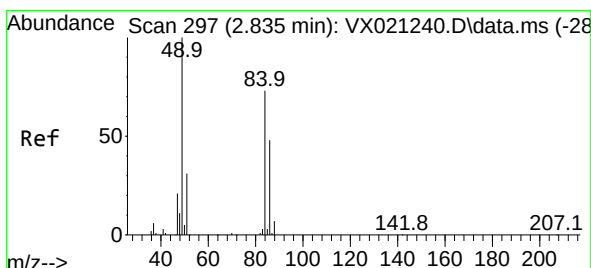
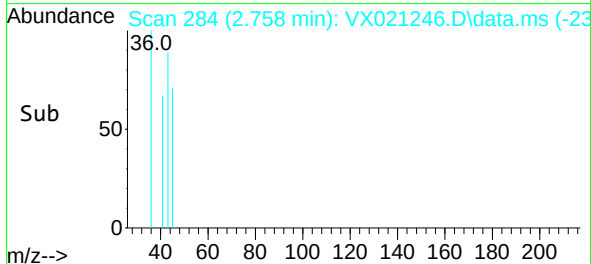
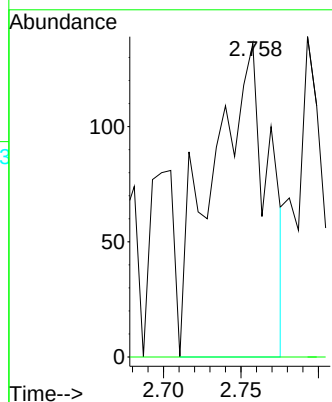


#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Instrument :
MSVOA_X
ClientSampled :

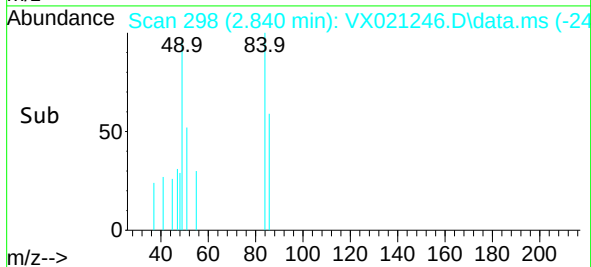
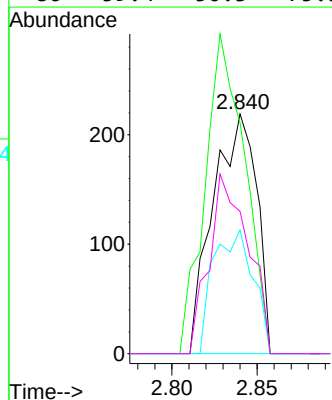
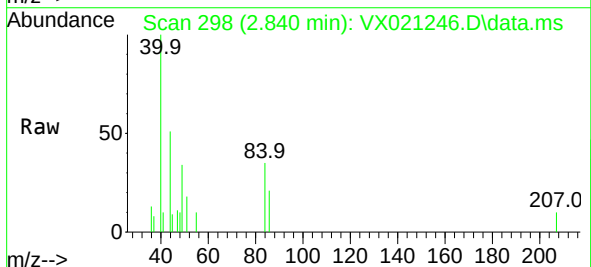


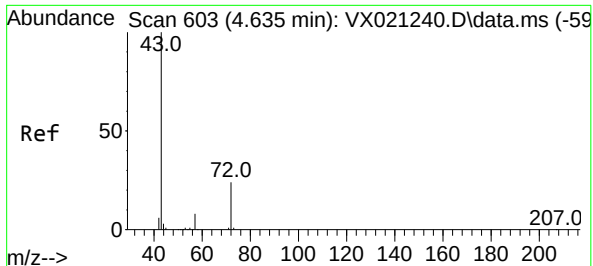
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.38 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.005 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Tgt Ion: 84 Resp: 389
Ion Ratio Lower Upper
84 100
49 96.3 88.6 132.8
51 51.6 27.0 40.6#
86 59.4 50.3 75.5

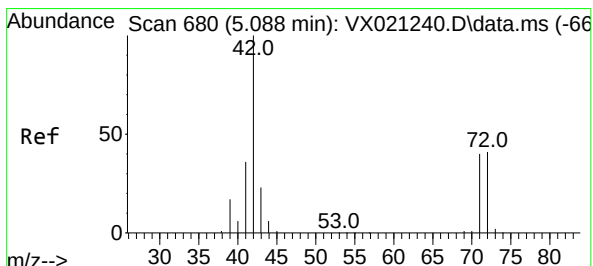
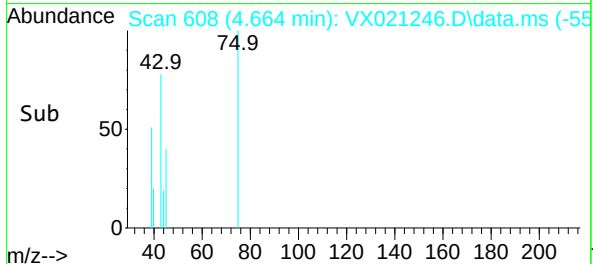
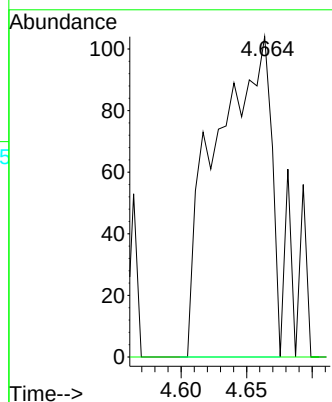
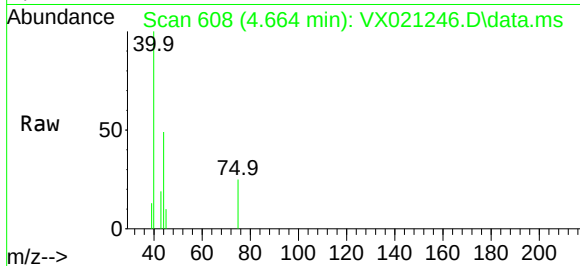




#25
2-Butanone
Concen: 0.39 ug/l
RT: 4.664 min Scan# 608
Delta R.T. 0.029 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

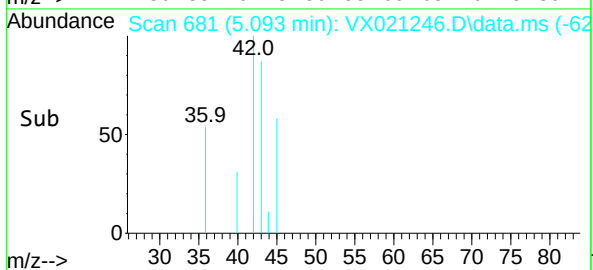
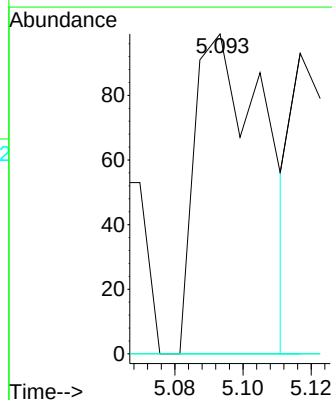
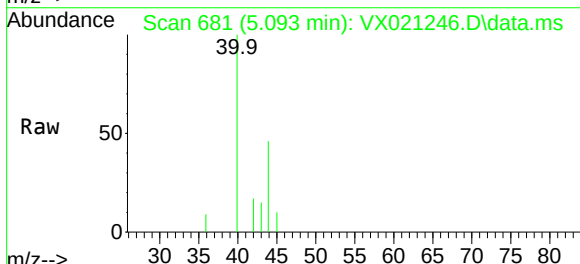
Instrument :
MSVOA_X
ClientSampled :

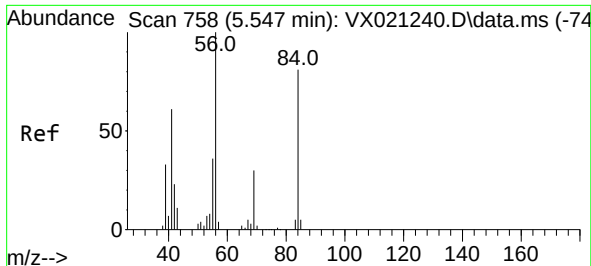
Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 5.093 min Scan# 681
Delta R.T. 0.005 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

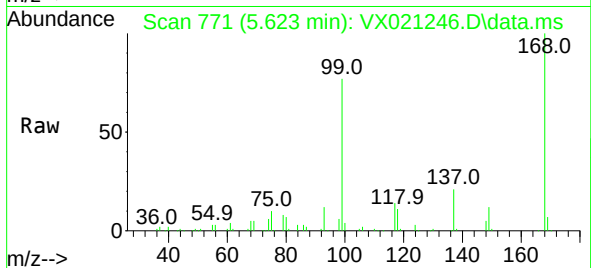
Tgt Ion: 42 Resp: 141
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#



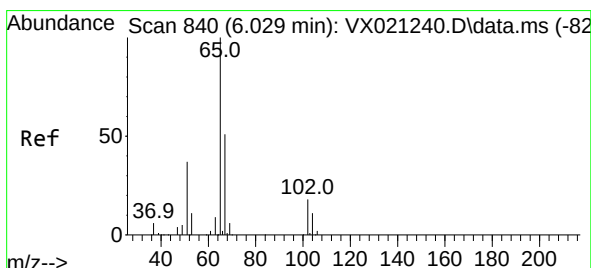
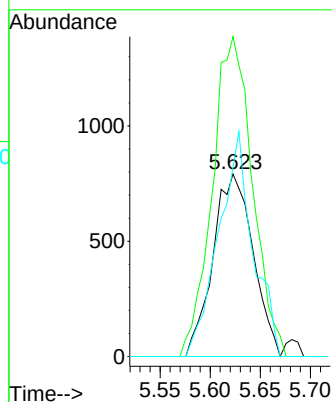
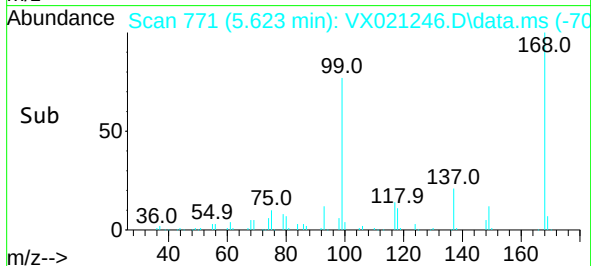


#31
Cyclohexane
Concen: 1.35 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

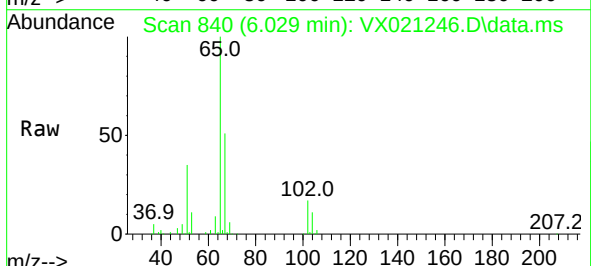
Instrument :
MSVOA_X
ClientSampleId :



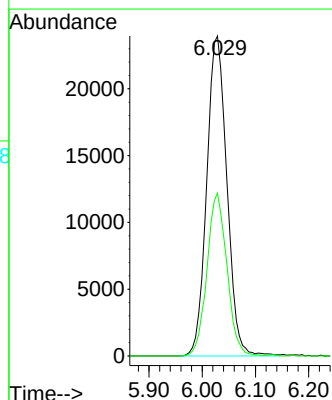
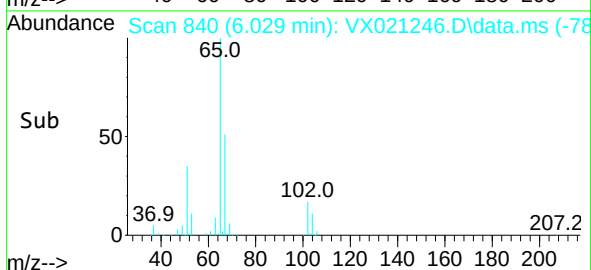
Tgt Ion: 56 Resp: 2207
Ion Ratio Lower Upper
56 100
69 175.1 25.3 37.9#
84 103.4 71.4 107.0

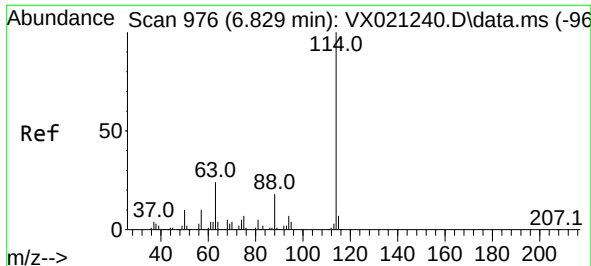


#33
1,2-Dichloroethane-d4
Concen: 46.63 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46



Tgt Ion: 65 Resp: 62950
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

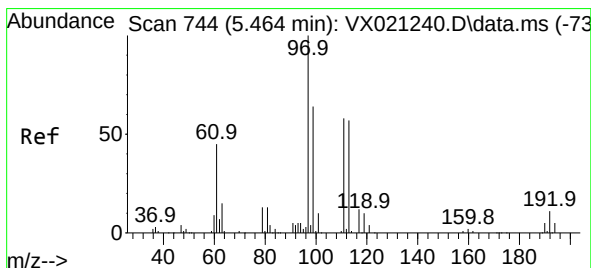
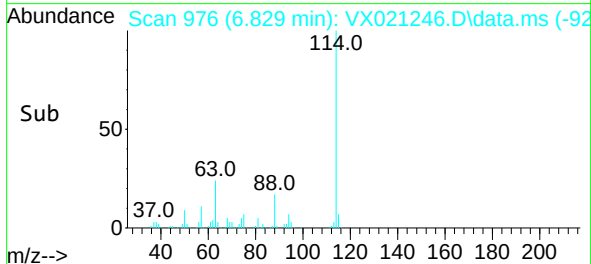
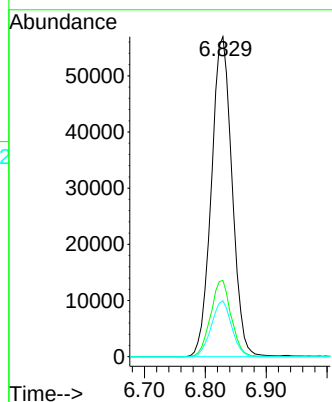
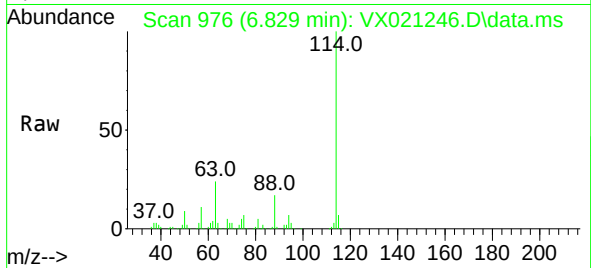




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

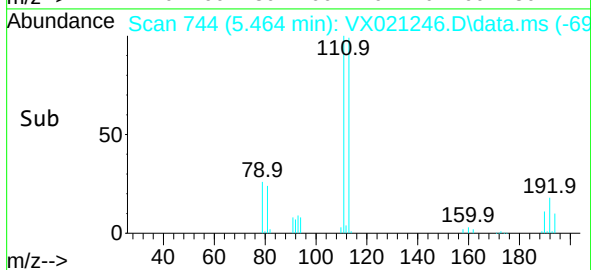
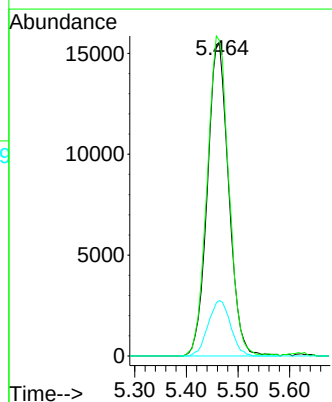
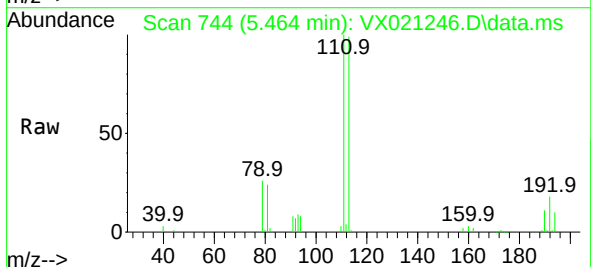
Instrument :
MSVOA_X
ClientSampled :

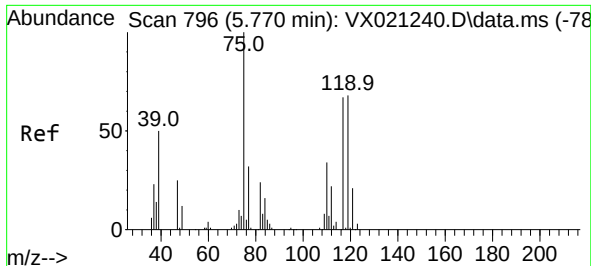
Tgt Ion:114 Resp: 134312
Ion Ratio Lower Upper
114 100
63 23.8 0.0 40.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.66 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

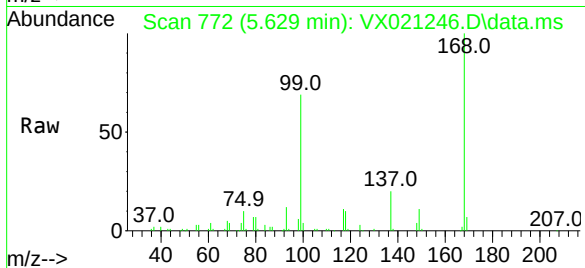
Tgt Ion:113 Resp: 44476
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 18.5 16.7 25.1



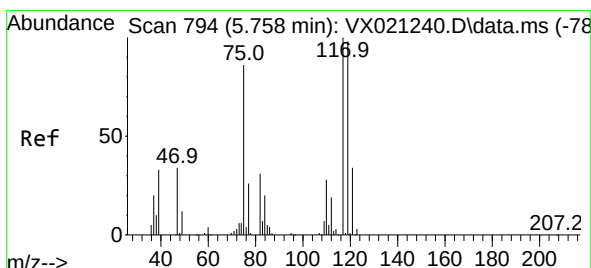
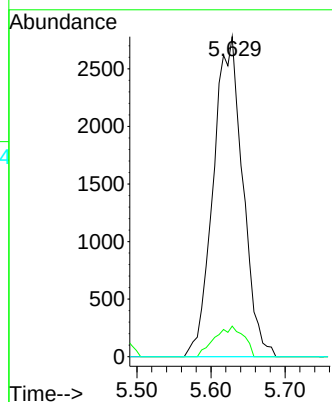
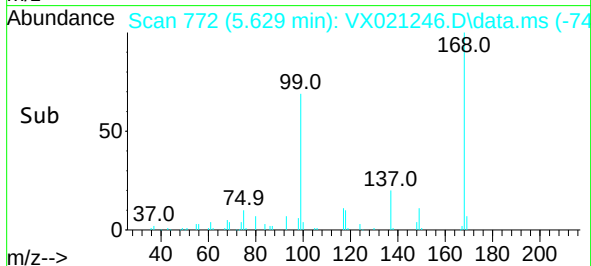


#36
1,1-Dichloropropene
Concen: 5.66 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

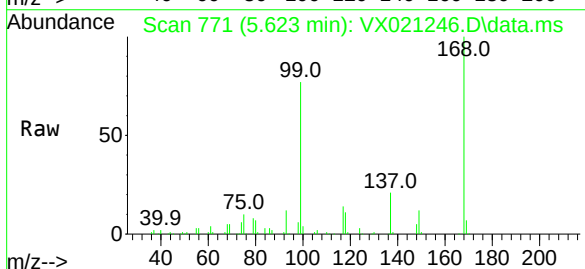
Instrument :
MSVOA_X
ClientSampled :



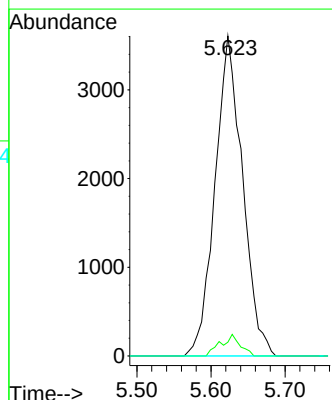
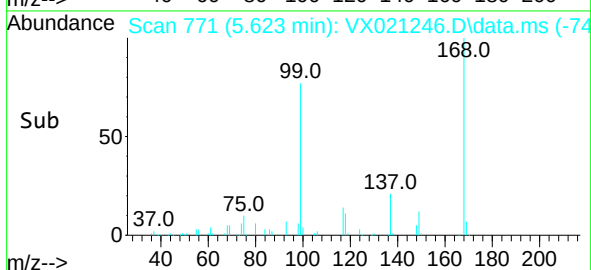
Tgt Ion: 75 Resp: 7666
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#

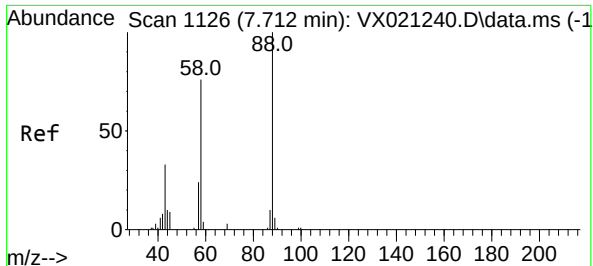


#38
Carbon Tetrachloride
Concen: 6.63 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.135 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46



Tgt Ion: 117 Resp: 9312
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#

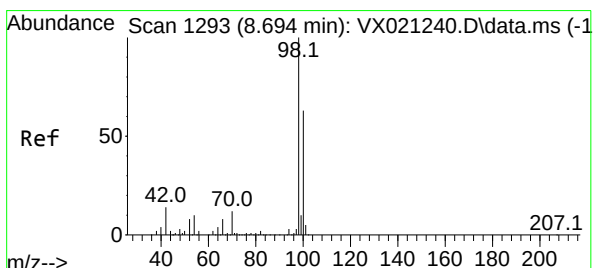
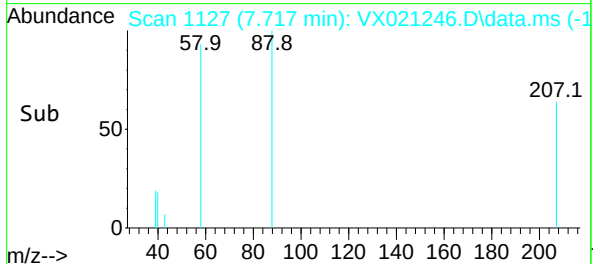
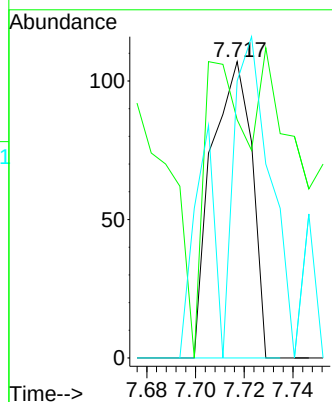
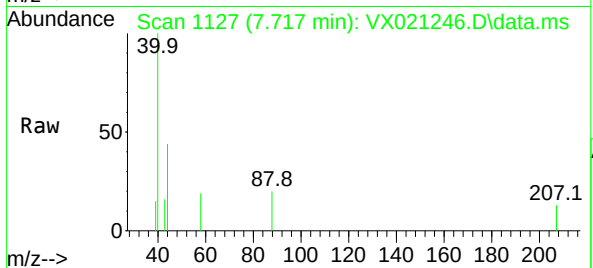




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

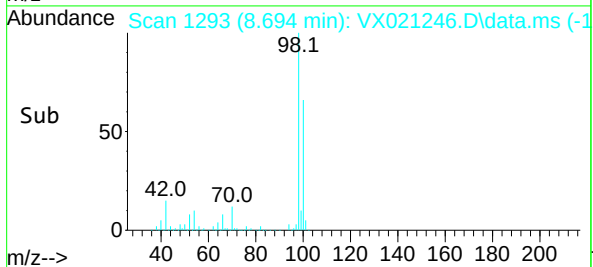
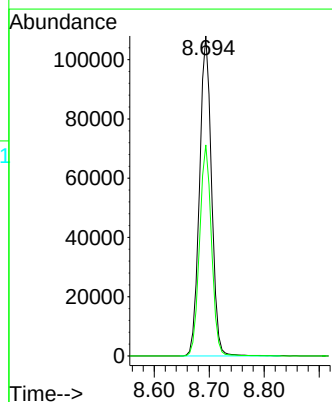
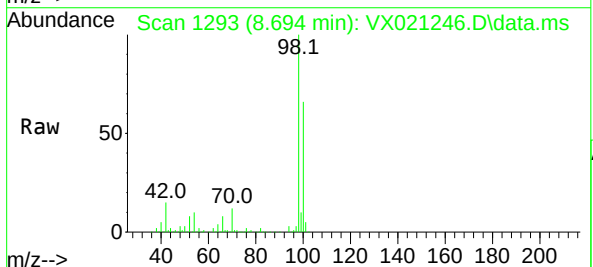
Instrument :
MSVOA_X
ClientSampled :

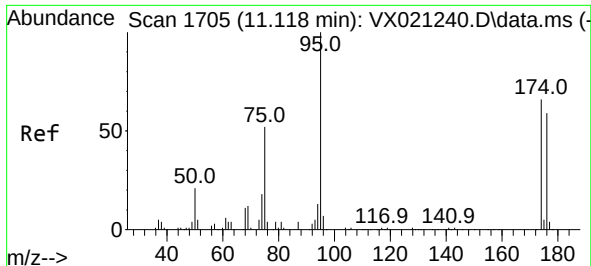
Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 113.1 55.0 82.4#



#50
Toluene-d8
Concen: 49.47 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Tgt Ion: 98 Resp: 164045
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

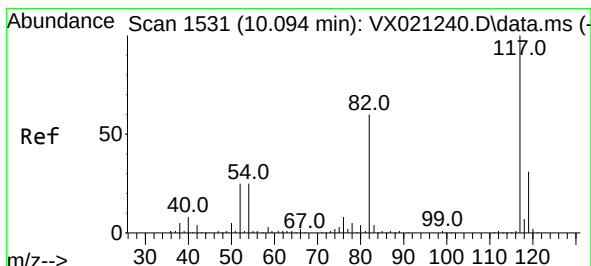
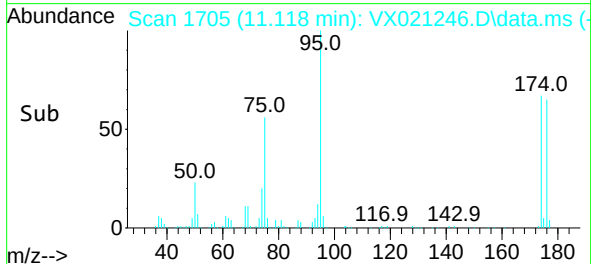
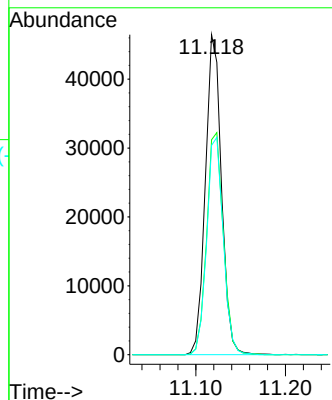
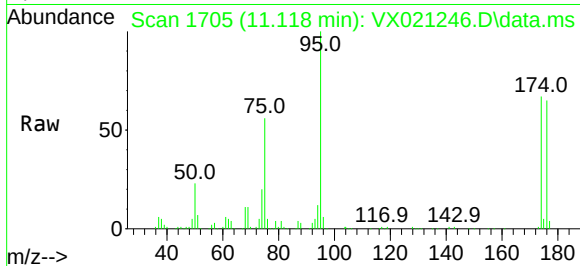




#62
4-Bromofluorobenzene
Concen: 44.86 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

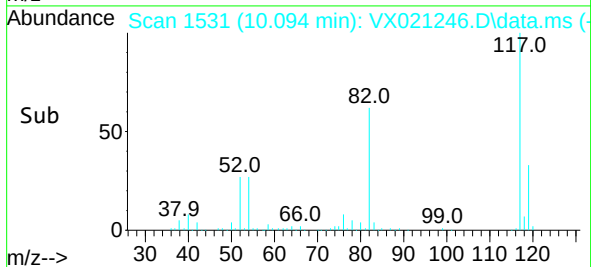
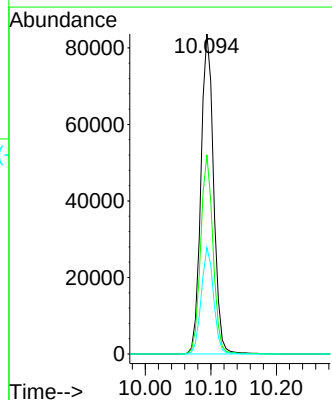
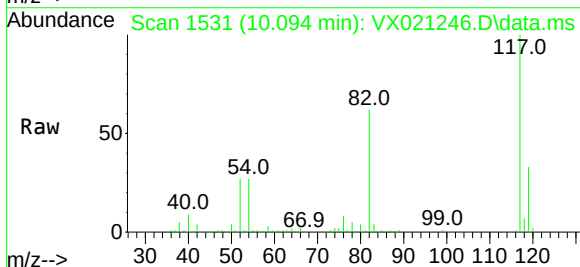
Instrument :
MSVOA_X
ClientSampleId :

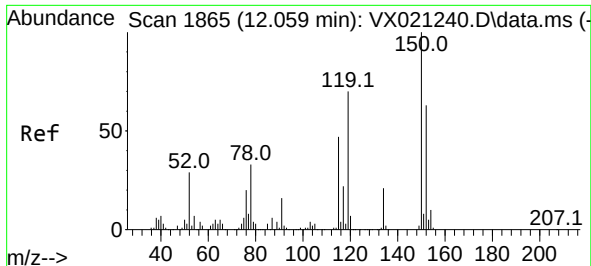
Tgt Ion: 95 Resp: 57768
Ion Ratio Lower Upper
95 100
174 71.9 0.0 154.6
176 69.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Tgt Ion: 117 Resp: 112958
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 33.2 26.6 39.8

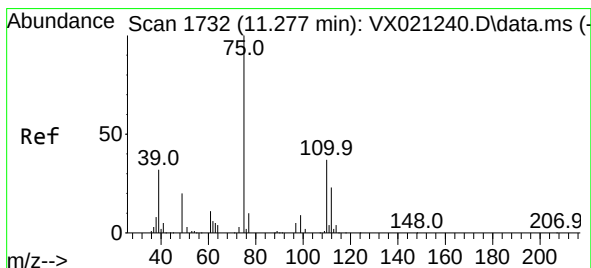
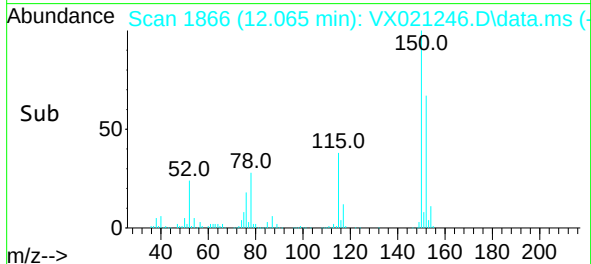
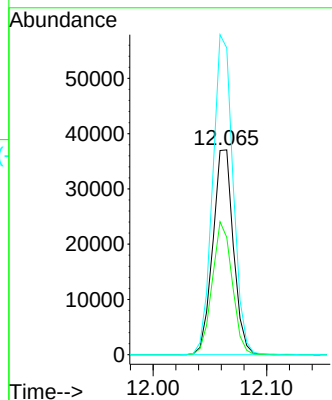
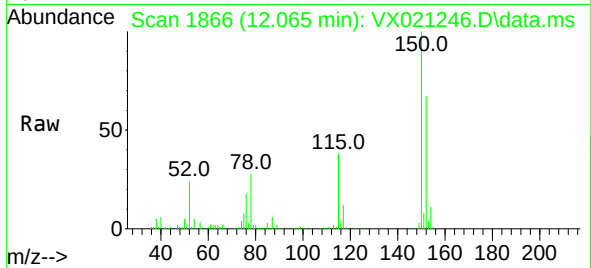




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

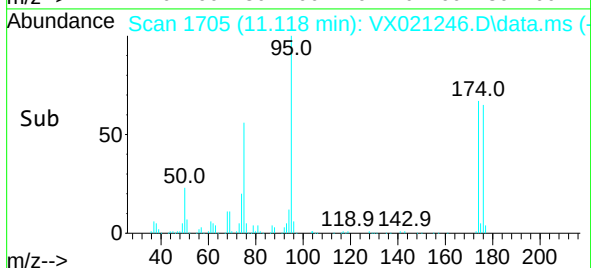
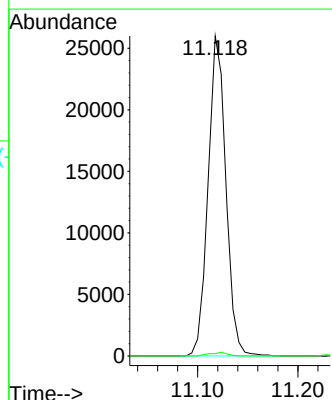
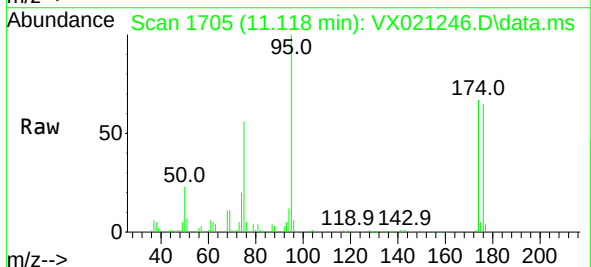
Instrument :
MSVOA_X
ClientSampled :

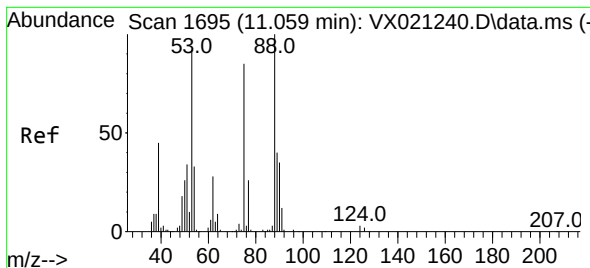
Tgt Ion:152 Resp: 46786
Ion Ratio Lower Upper
152 100
115 62.5 41.1 123.3
150 154.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.61 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Tgt Ion: 75 Resp: 32141
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

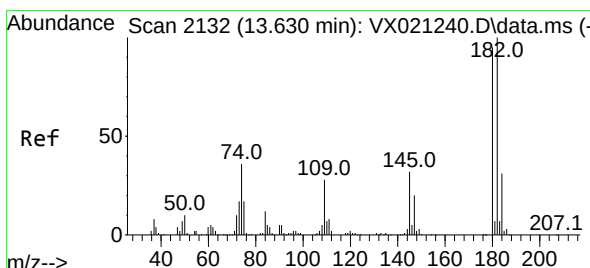
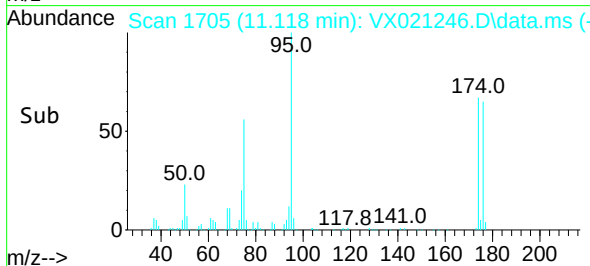
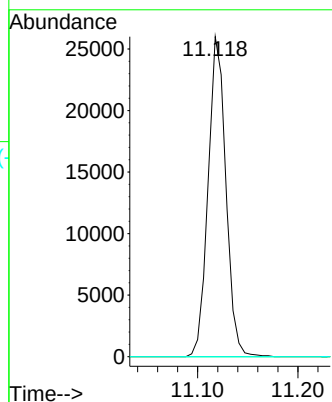
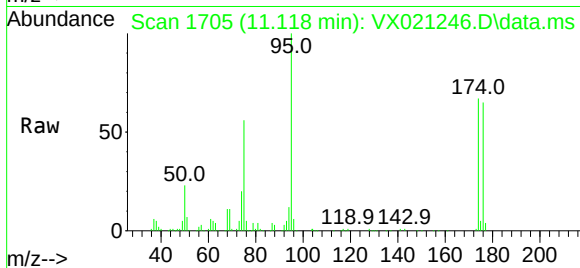




#81
trans-1,4-Dichloro-2-butene
Concen: 80.40 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

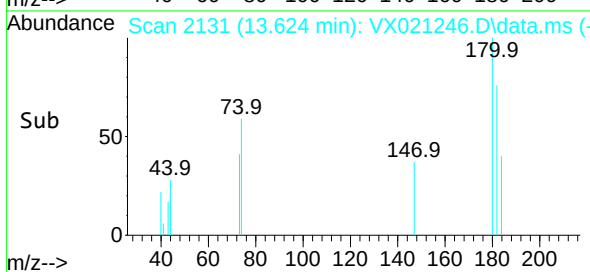
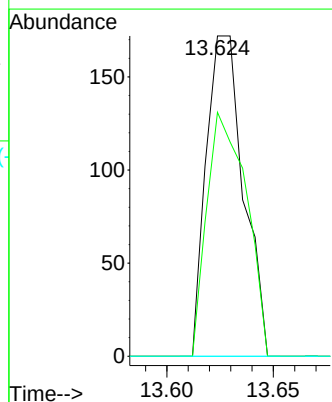
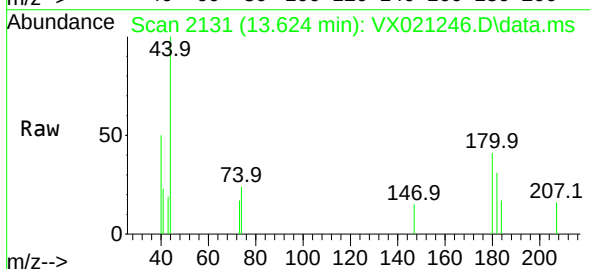
Instrument :
MSVOA_X
ClientSampled :

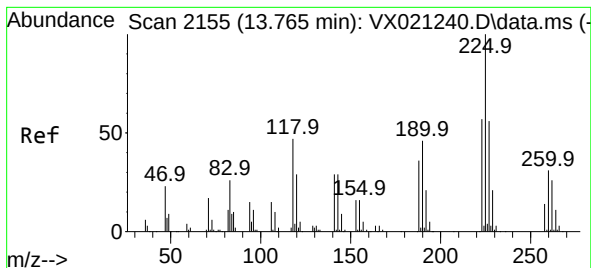
Tgt Ion: 75 Resp: 32141
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.624 min Scan# 2131
Delta R.T. -0.006 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Tgt Ion:180 Resp: 210
Ion Ratio Lower Upper
180 100
182 80.5 47.7 143.1
145 0.0 15.0 45.0#

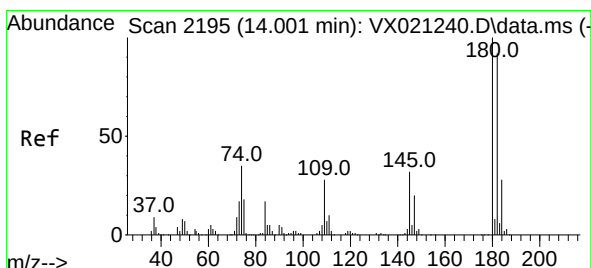
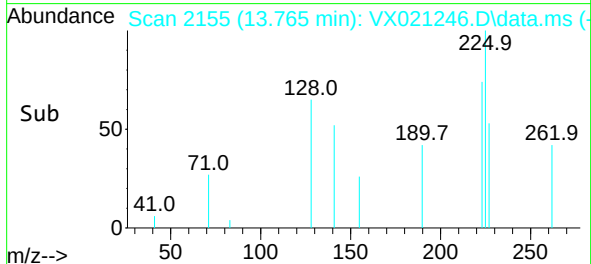
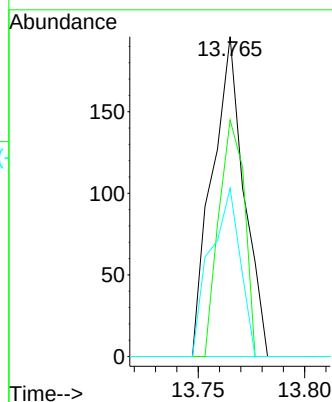
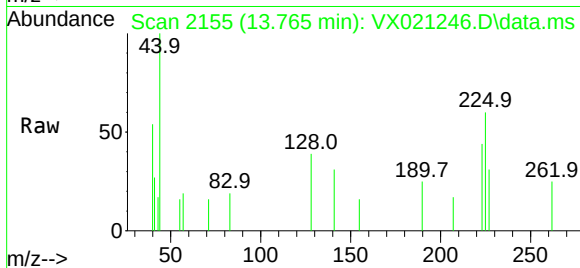




#94
Hexachlorobutadiene
Concen: 0.50 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	225	Resp:	203
Ion	Ratio	Lower	Upper
225	100		
223	59.6	31.1	93.2
227	49.8	31.6	95.0



#96
1,2,3-Trichlorobenzene
Concen: 0.21 ug/l
RT: 14.000 min Scan# 2195
Delta R.T. -0.001 min
Lab File: VX021246.D
Acq: 16 Mar 2021 15:46

Tgt Ion:	180	Resp:	198
Ion	Ratio	Lower	Upper
180	100		
182	55.1	47.6	142.9
145	0.0	16.1	48.3#

