

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073021\
 Data File : VX023514.D
 Acq On : 29 Jul 2021 15:34
 Operator : JC/MD
 Sample : M3206-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 30 03:43:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

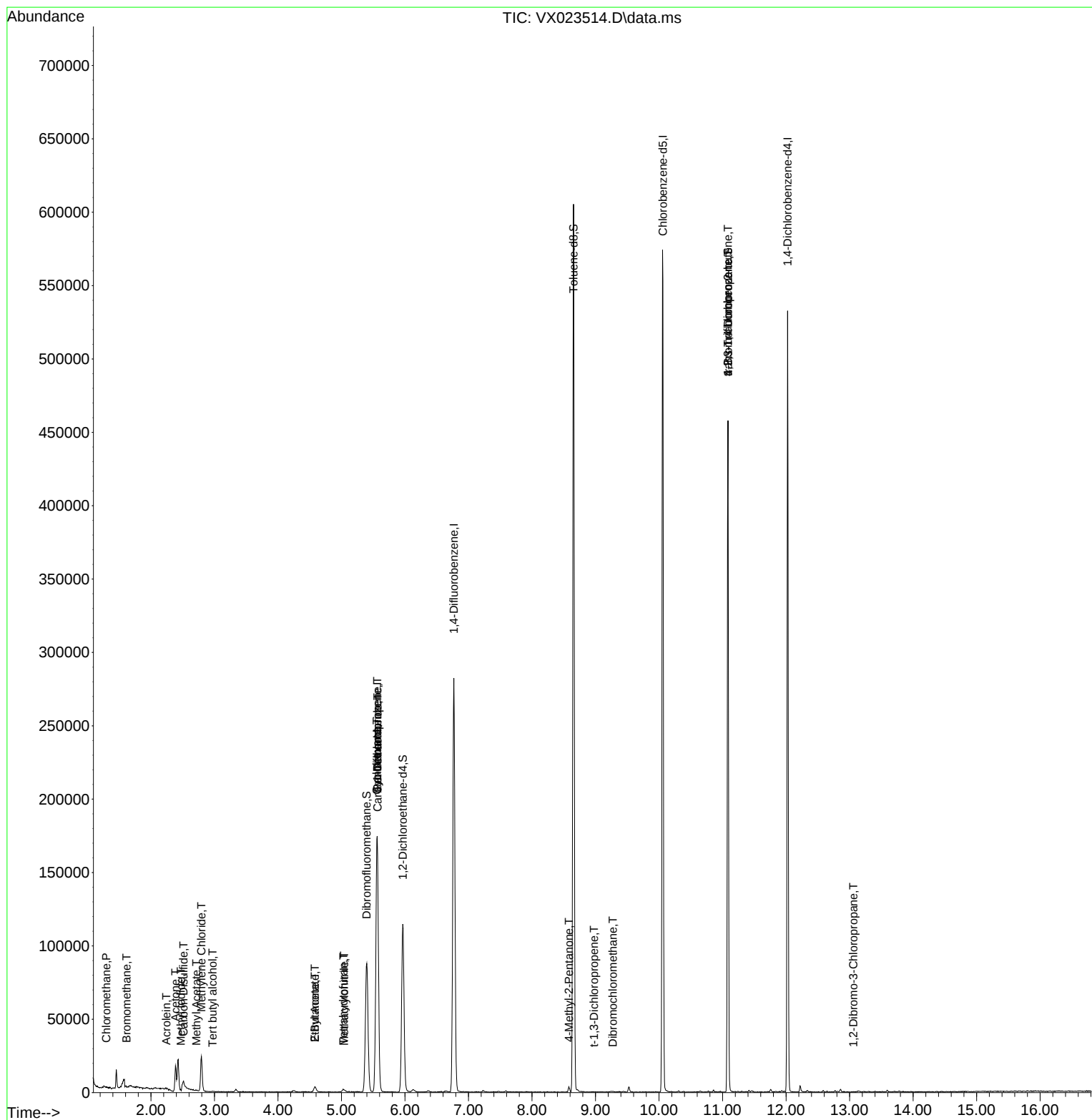
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	167800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	286000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	262667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109854	52.482	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.960%	
35) Dibromofluoromethane	5.397	113	77126	43.131	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 86.260%	
50) Toluene-d8	8.653	98	347704	52.924	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.840%	
62) 4-Bromofluorobenzene	11.085	95	115105	51.523	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.040%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	378	0.210	ug/l #	80
5) Bromomethane	1.617	94	387	0.358	ug/l #	30
10) Methyl Iodide	2.471	142	700	0.336	ug/l #	92
11) Tert butyl alcohol	2.971	59	169	0.353	ug/l #	73
13) Acrolein	2.239	56	118	1.846	ug/l #	50
16) Acetone	2.386	43	18019	17.549	ug/l	99
17) Carbon Disulfide	2.514	76	3663	0.901	ug/l	97
18) Methyl Acetate	2.715	43	505	0.207	ug/l #	66
20) Methylene Chloride	2.794	84	10231	5.123	ug/l	94
25) 2-Butanone	4.580	43	4546	2.852	ug/l	94
29) Tetrahydrofuran	5.032	42	1801	1.724	ug/l #	71
31) Cyclohexane	5.556	56	3643	1.175	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	13082	5.056	ug/l #	49
37) Ethyl Acetate	4.580	43	4546	1.394	ug/l #	64
38) Carbon Tetrachloride	5.568	117	16960	6.446	ug/l #	15
41) Methacrylonitrile	5.044	41	1174	0.682	ug/l #	33
51) 4-Methyl-2-Pentanone	8.580	43	2142	0.693	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	39	1.829	ug/l #	44
60) Dibromochloromethane	9.275	129	51	2.006	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	60250	25.822	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60250	69.433	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	13.061	75	128	2.313	ug/l #	1

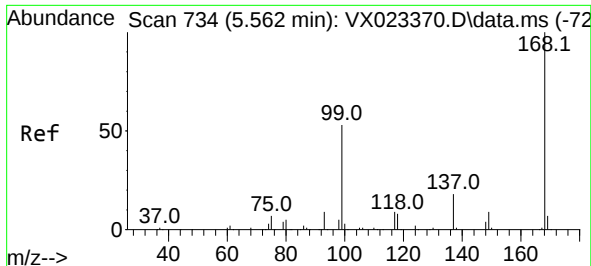
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

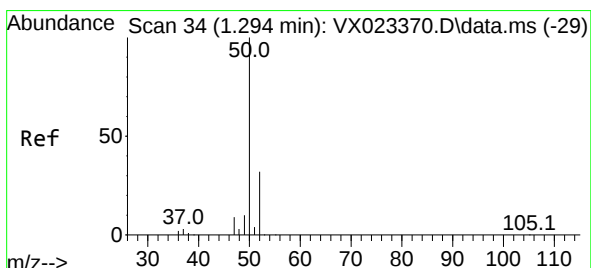
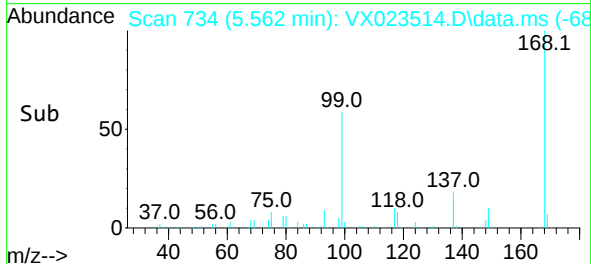
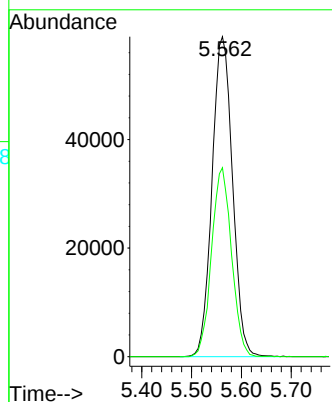
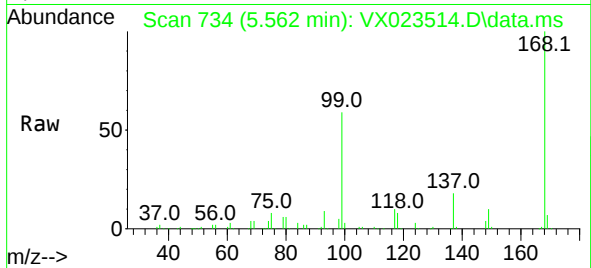




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

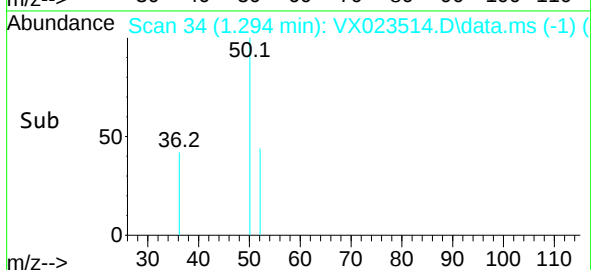
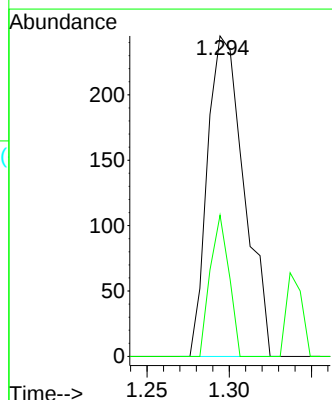
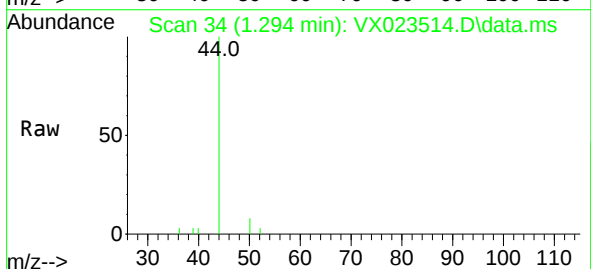
Instrument :
MSVOA_X
ClientSampleId :

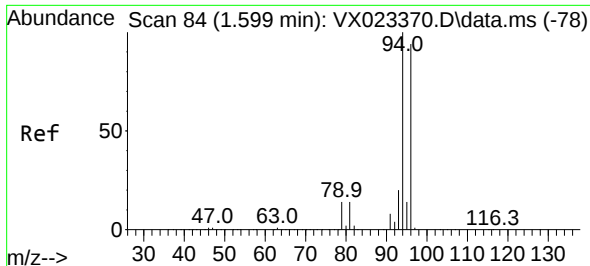
Tgt Ion:168 Resp: 167800
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 44.1 26.4 39.6#

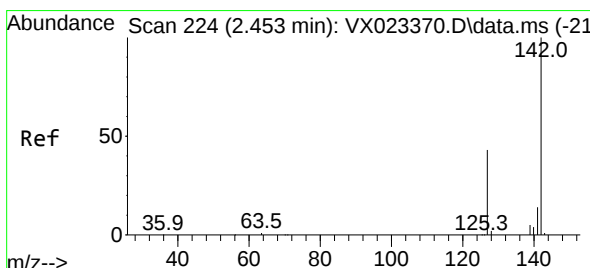
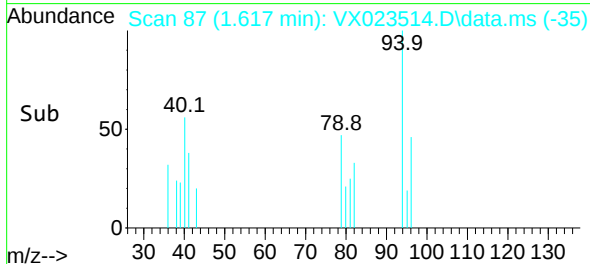
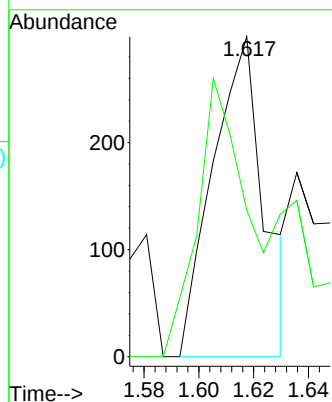
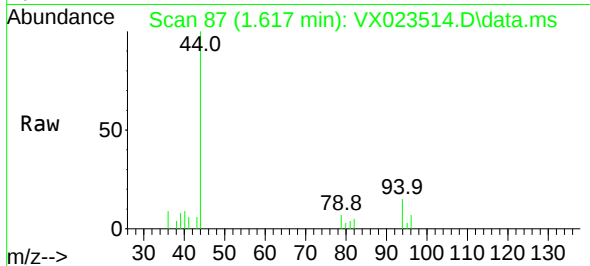




#5
Bromomethane
Concen: 0.358 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

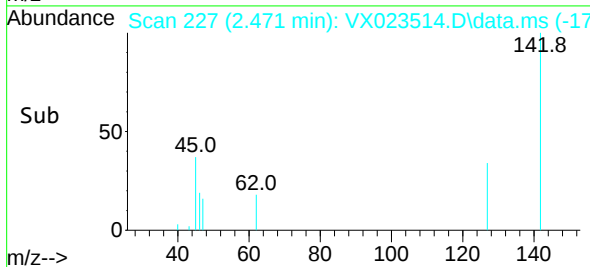
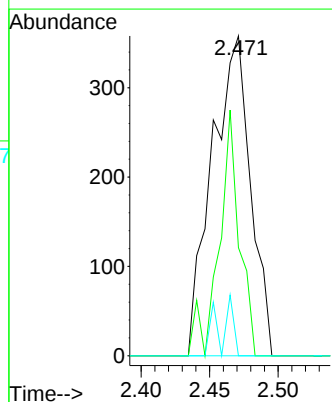
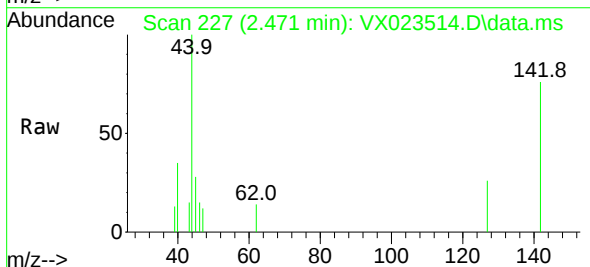
Instrument :
MSVOA_X
ClientSampled :

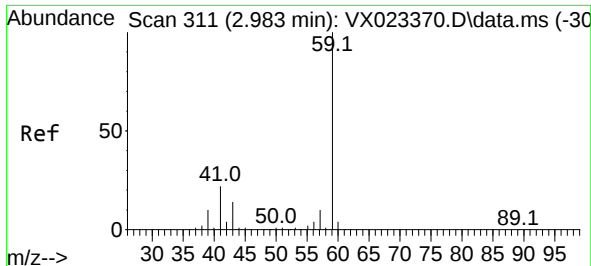
Tgt Ion: 94 Resp: 387
Ion Ratio Lower Upper
94 100
96 27.4 76.4 114.6#



#10
Methyl Iodide
Concen: 0.336 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

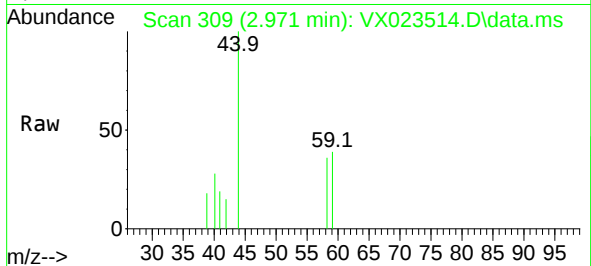
Tgt Ion: 142 Resp: 700
Ion Ratio Lower Upper
142 100
127 40.4 33.3 49.9
141 3.1 11.4 17.0#



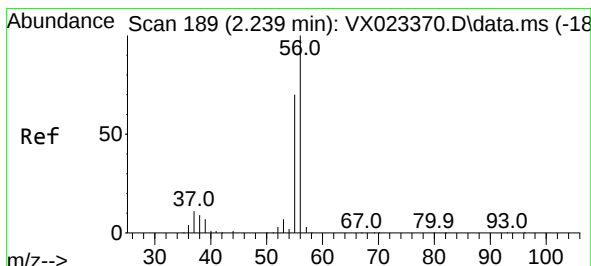
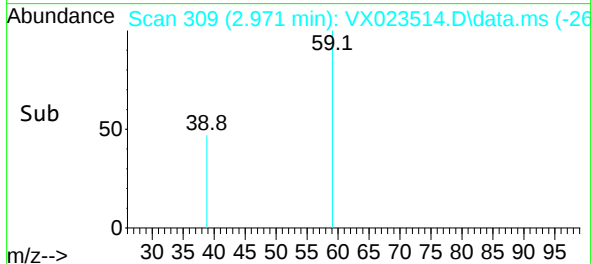
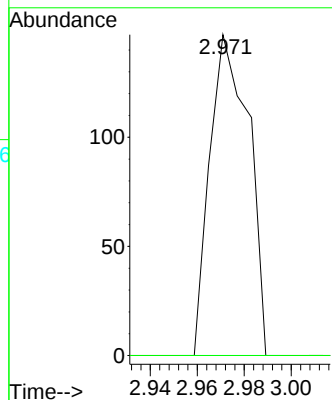


#11
Tert butyl alcohol
Concen: 0.353 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Instrument :
MSVOA_X
ClientSampleId :

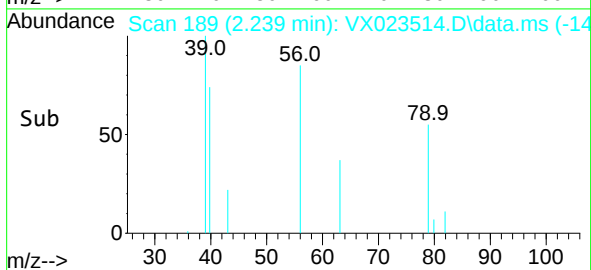
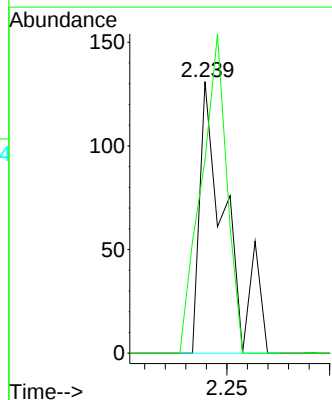
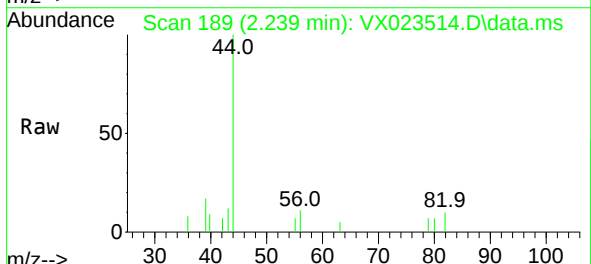


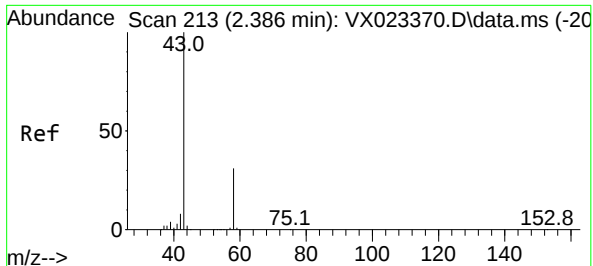
Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.846 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 111.9 56.4 84.6#

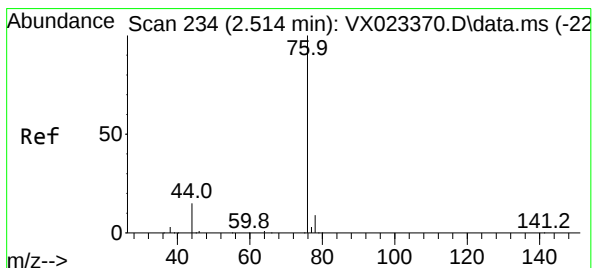
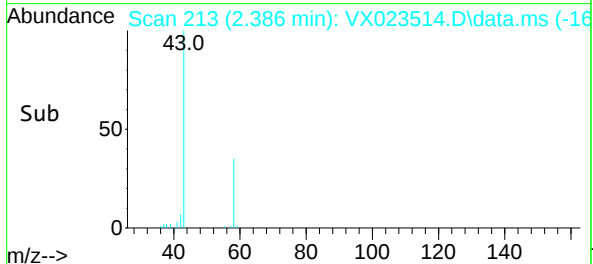
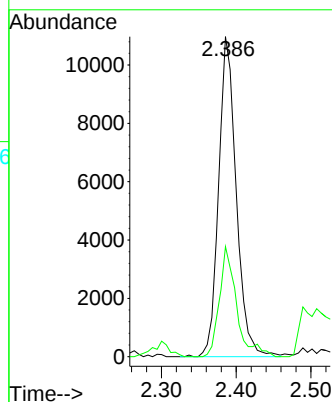
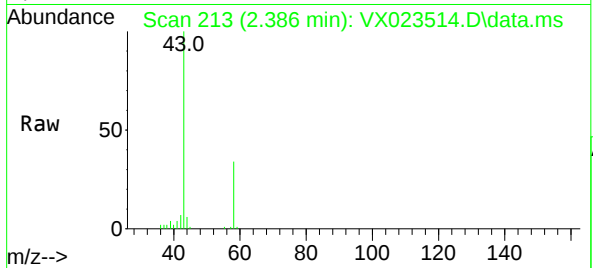




#16
Acetone
Concen: 17.549 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

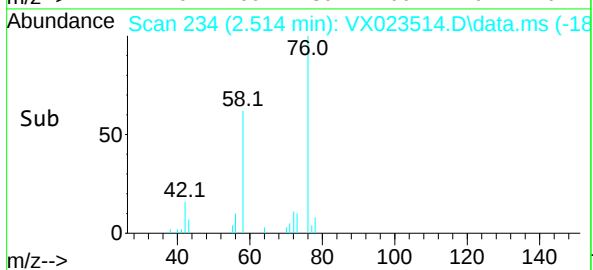
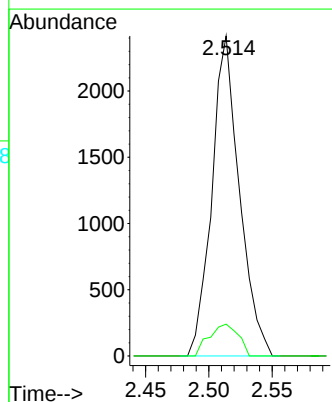
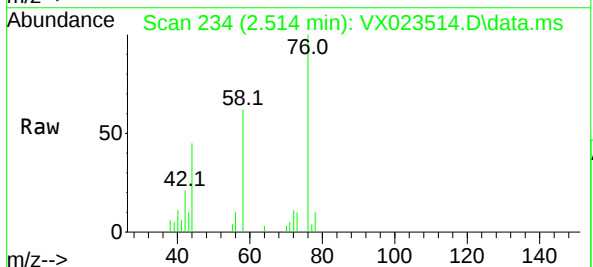
Instrument :
MSVOA_X
ClientSampled :

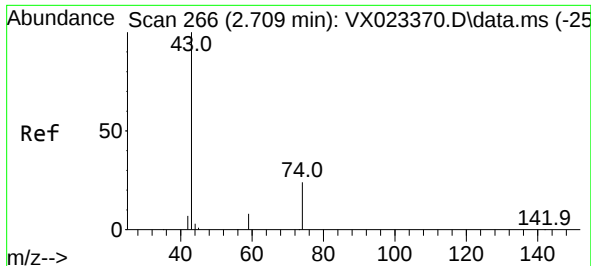
Tgt Ion: 43 Resp: 18019
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.901 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 76 Resp: 3663
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8

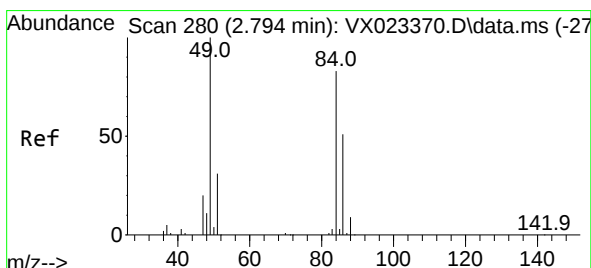
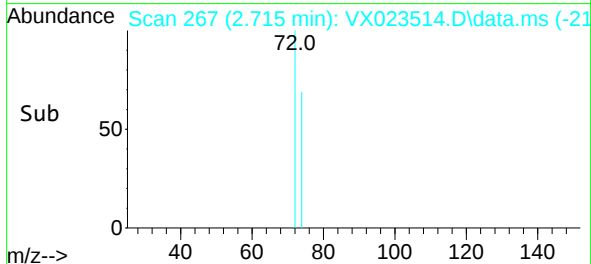
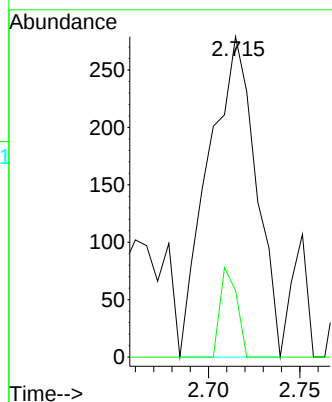
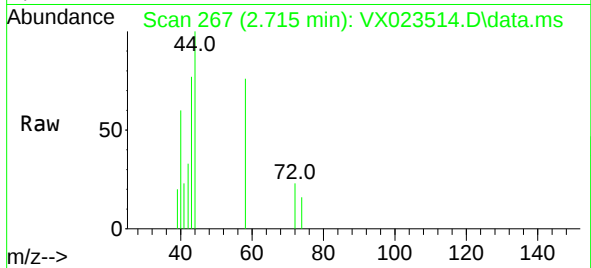




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

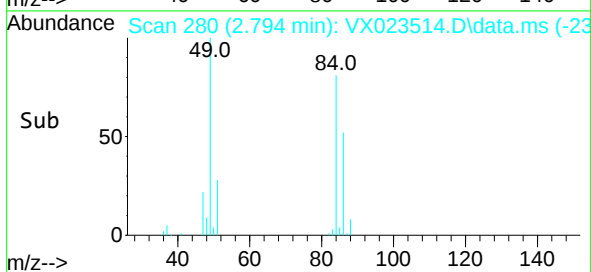
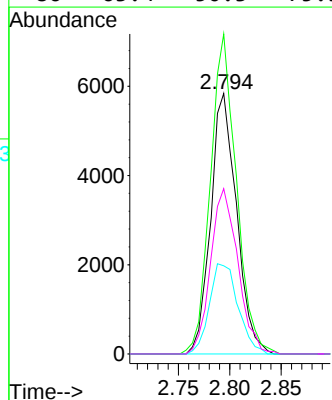
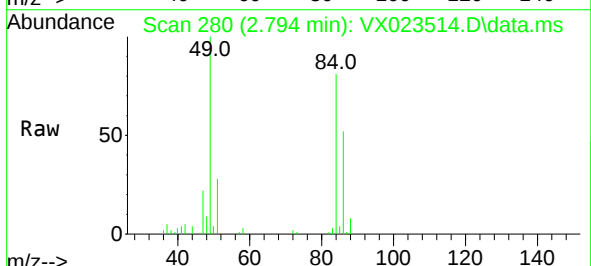
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ClientSampled :

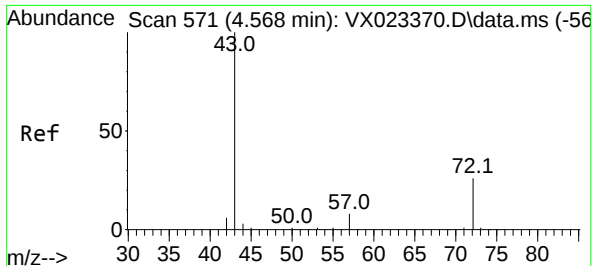
Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
74 9.9 21.9 32.9#



#20
Methylene Chloride
Concen: 5.123 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 84 Resp: 10231
Ion Ratio Lower Upper
84 100
49 122.8 88.6 132.8
51 33.8 27.0 40.6
86 63.4 50.3 75.5





#25

2-Butanone

Concen: 2.852 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023514.D

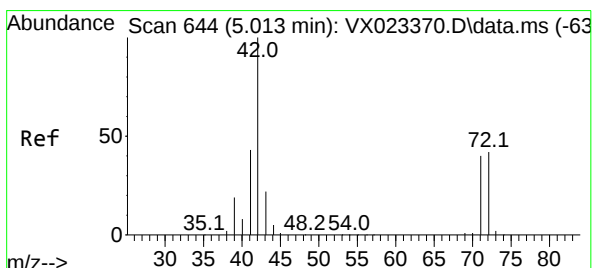
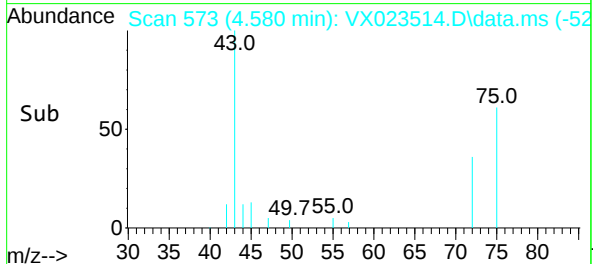
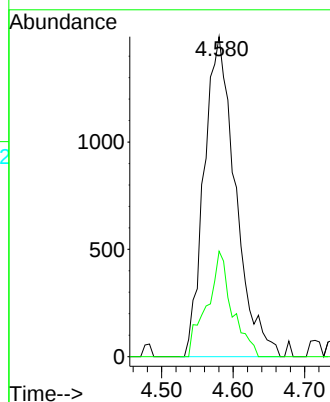
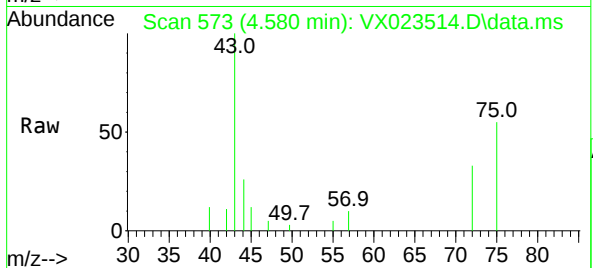
Acq: 29 Jul 2021 15:34

Tgt Ion: 43 Resp: 4546

Ion Ratio Lower Upper

43 100

72 32.9 23.7 35.5



#29

Tetrahydrofuran

Concen: 1.724 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX023514.D

Acq: 29 Jul 2021 15:34

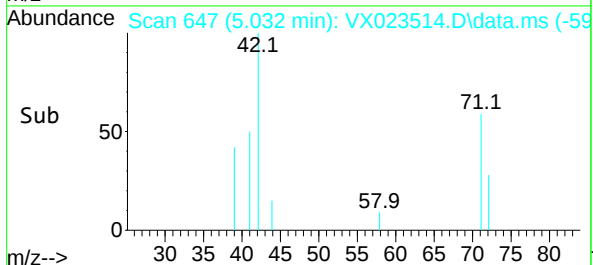
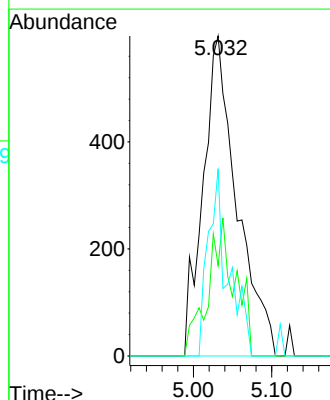
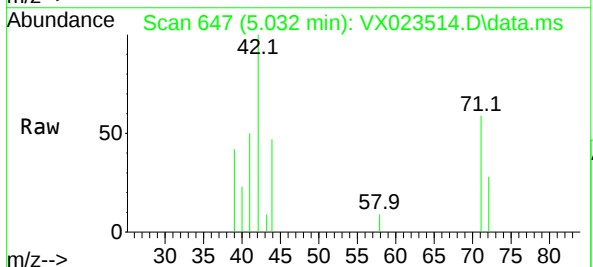
Tgt Ion: 42 Resp: 1801

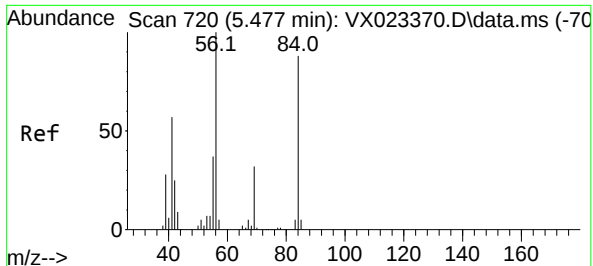
Ion Ratio Lower Upper

42 100

72 26.3 41.7 62.5#

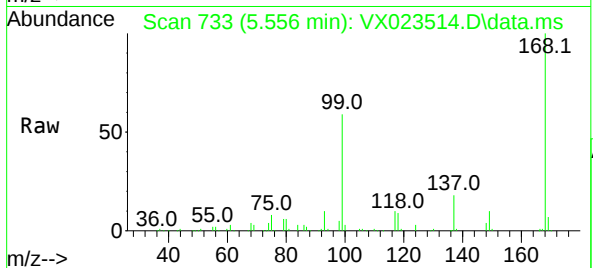
71 34.4 38.4 57.6#



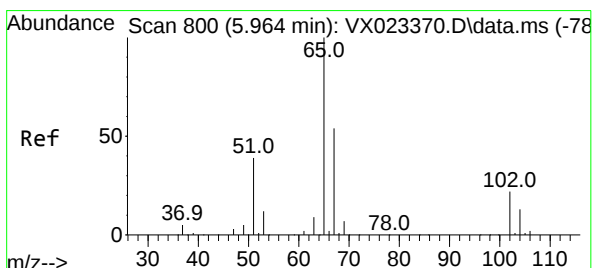
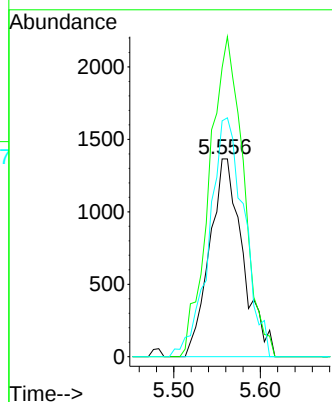
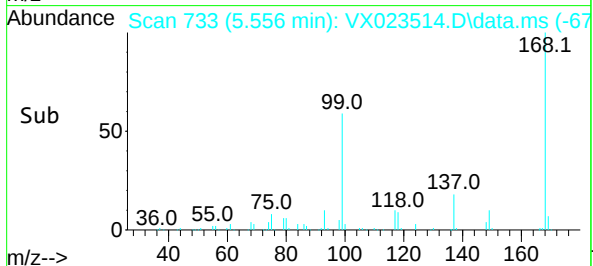


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

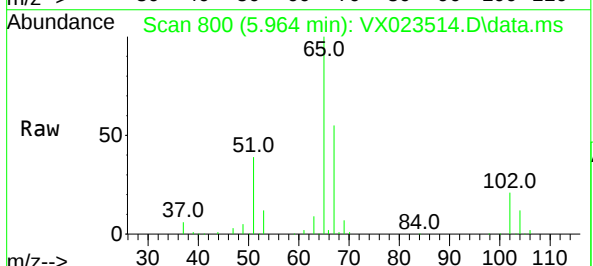
Instrument :
MSVOA_X
ClientSampleId :



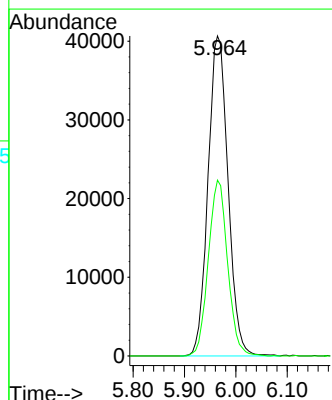
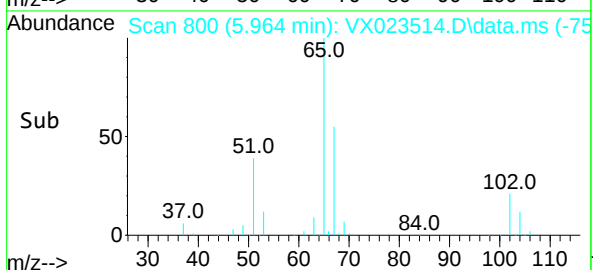
Tgt Ion: 56 Resp: 3643
Ion Ratio Lower Upper
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69 146.2 25.3 37.9#
84 119.3 71.4 107.0#

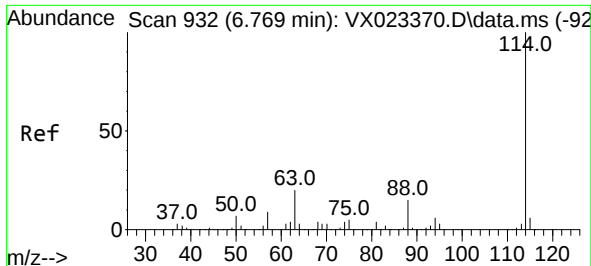


#33
1,2-Dichloroethane-d4
Concen: 52.482 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34



Tgt Ion: 65 Resp: 109854
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4

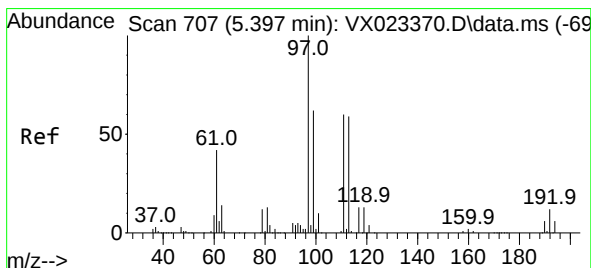
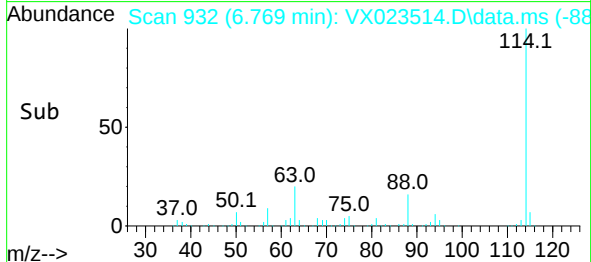
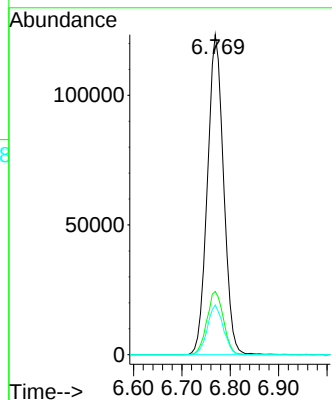
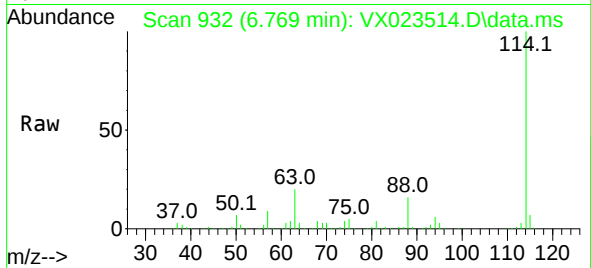




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

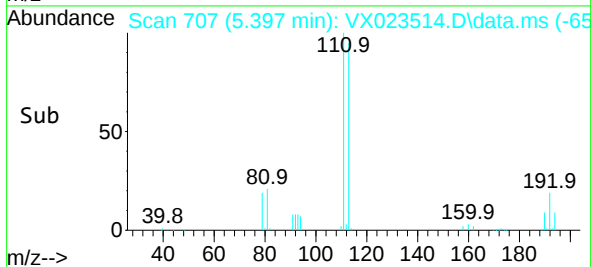
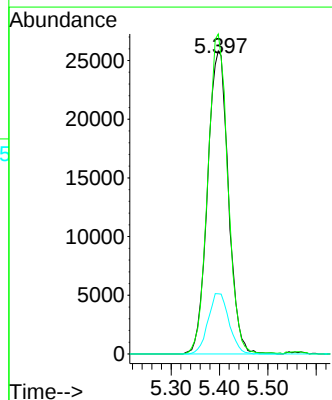
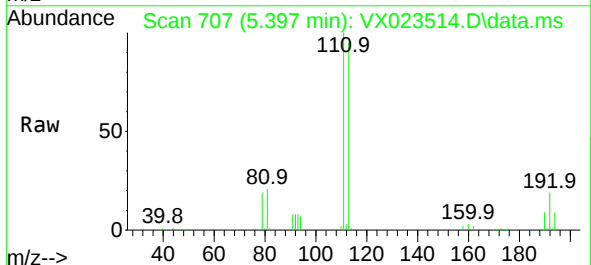
Instrument :
MSVOA_X
ClientSampleId :

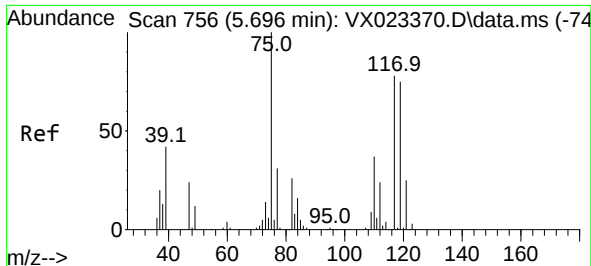
Tgt Ion:114 Resp: 286000
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 43.131 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion:113 Resp: 77126
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 20.0 16.7 25.1

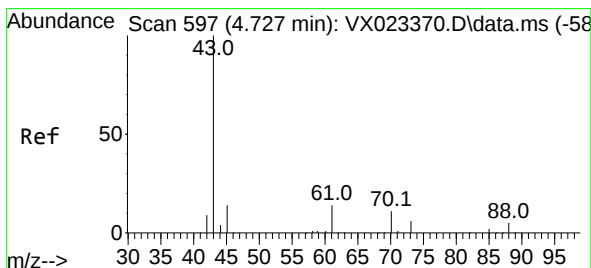
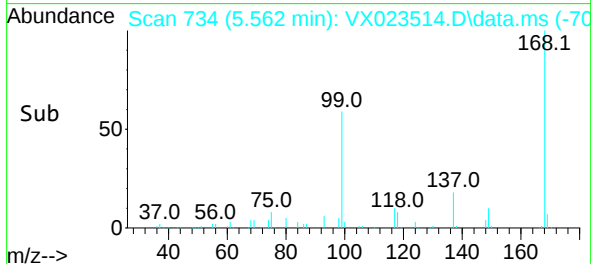
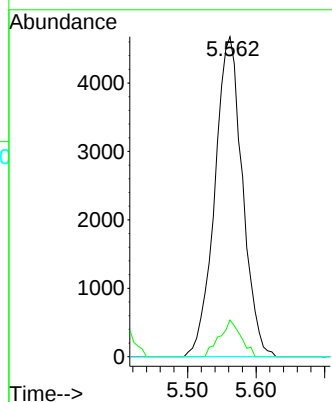
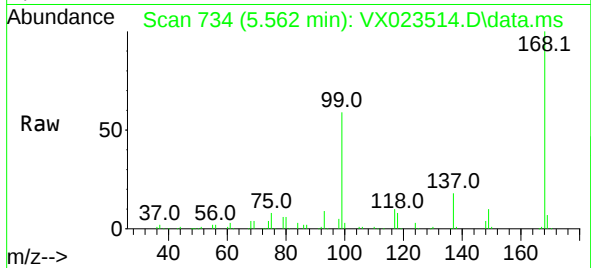




#36
1,1-Dichloropropene
Concen: 5.056 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

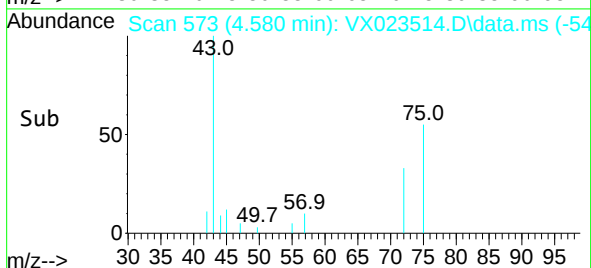
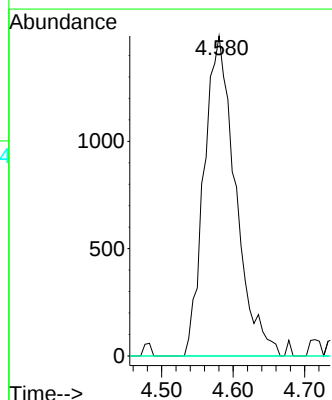
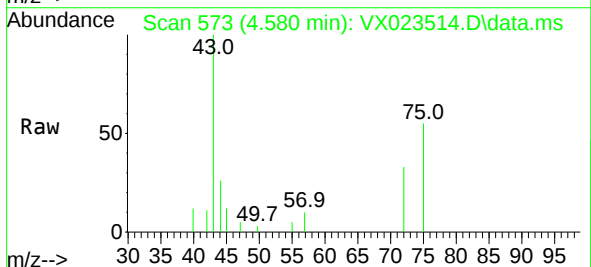
Instrument :
MSVOA_X
ClientSampleId :

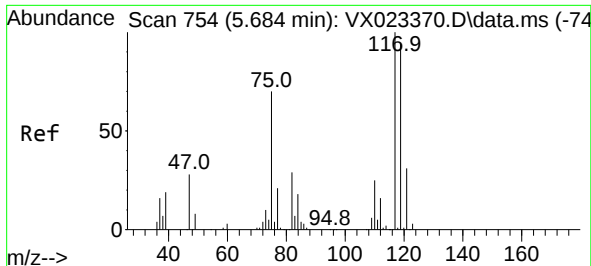
Tgt Ion: 75 Resp: 13082
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.394 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.147 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

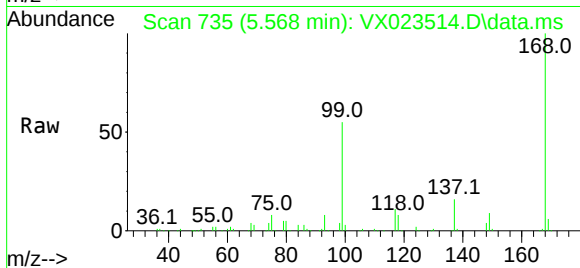
Tgt Ion: 43 Resp: 4546
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



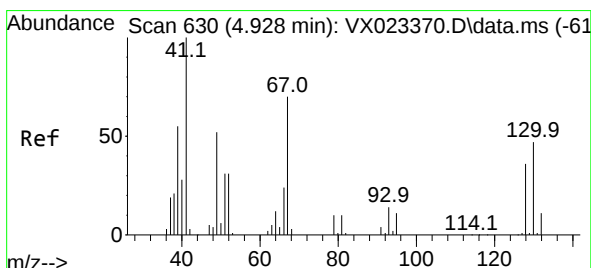
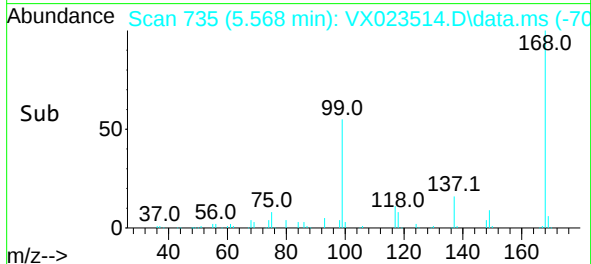
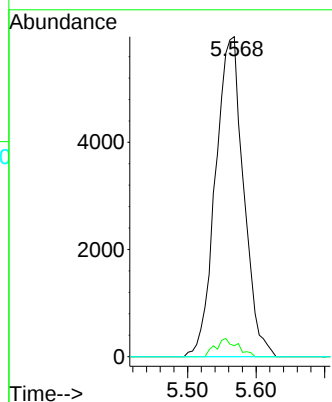


#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Instrument :
MSVOA_X
ClientSampleId :

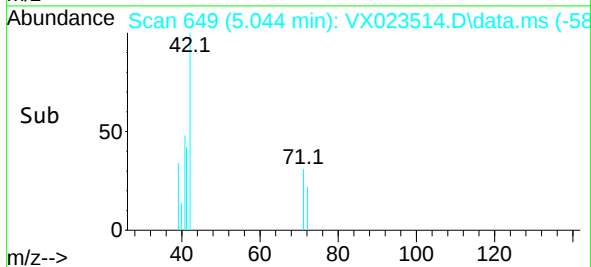
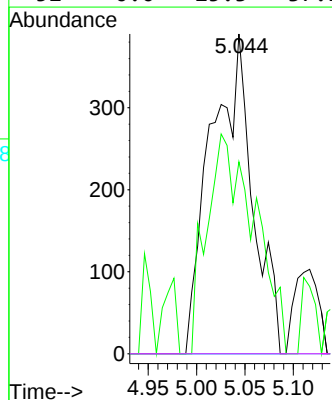
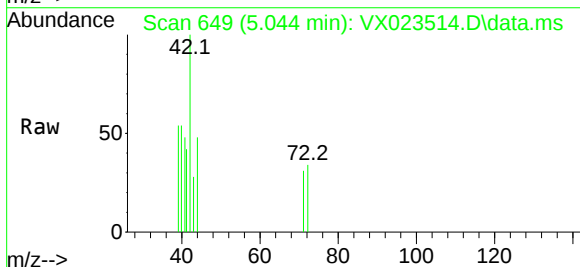


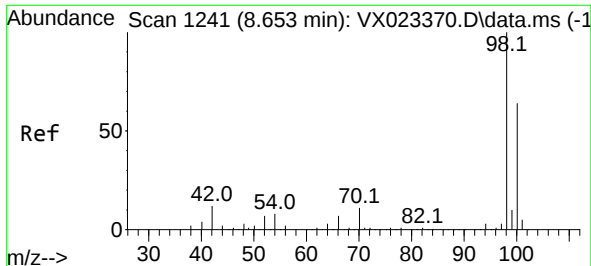
Tgt Ion:117 Resp: 16960
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.682 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 41 Resp: 1174
Ion Ratio Lower Upper
41 100
39 78.9 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

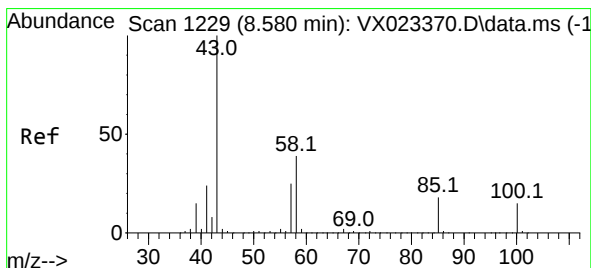
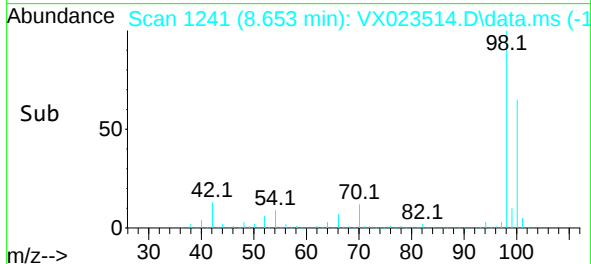
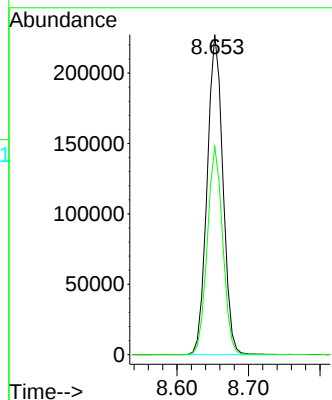
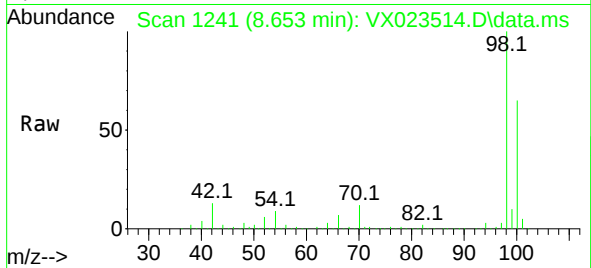




#50
Toluene-d8
Concen: 52.924 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

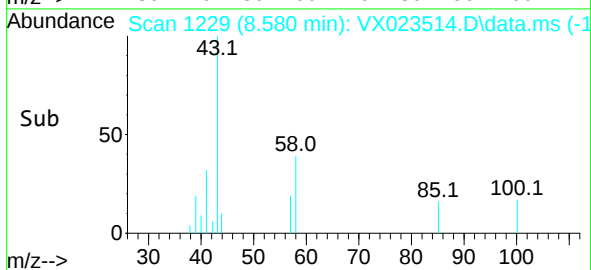
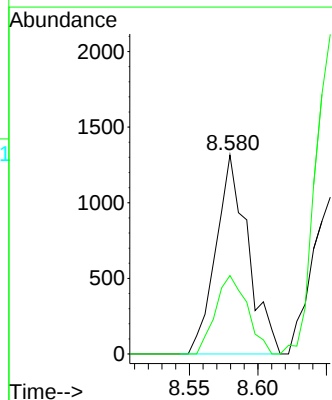
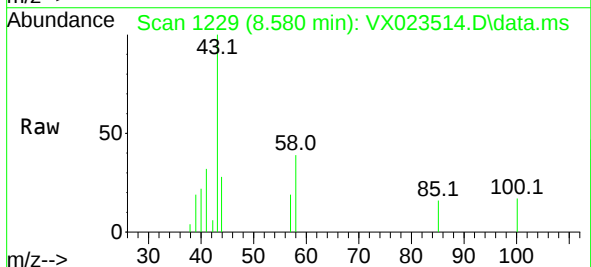
Instrument :
MSVOA_X
ClientSampled :

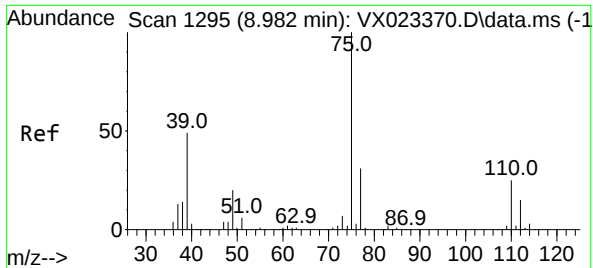
Tgt Ion: 98 Resp: 347704
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.693 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
58 39.2 35.4 53.0

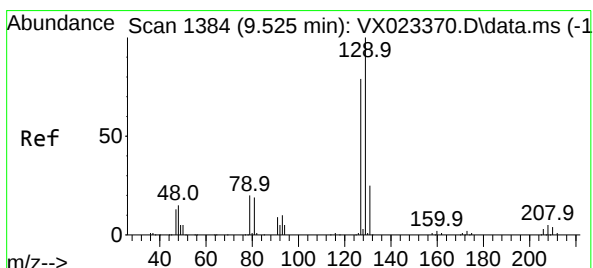
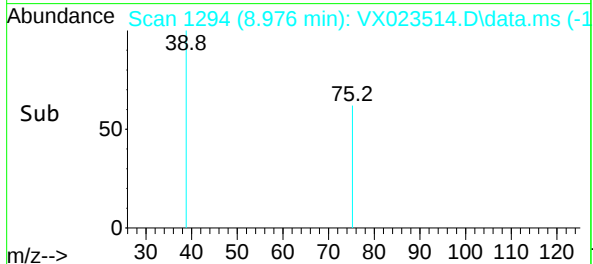
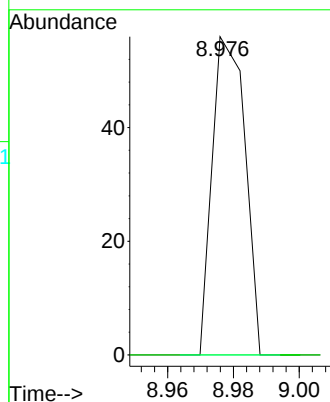
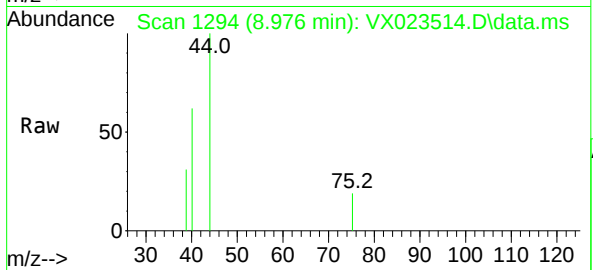




#53
t-1,3-Dichloropropene
Concen: 1.829 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

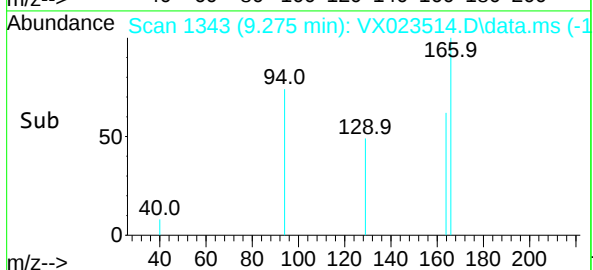
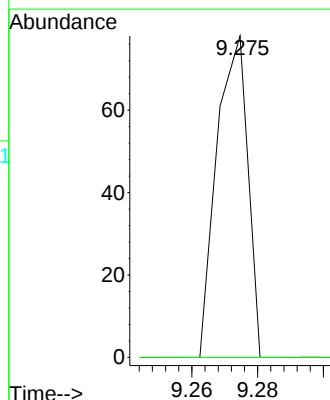
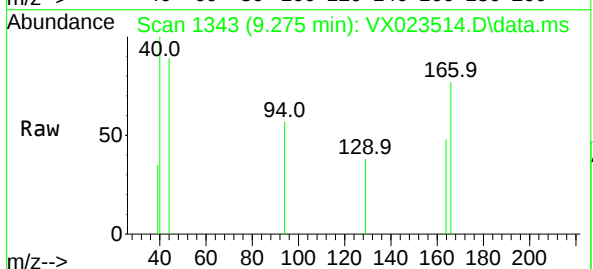
Instrument :
MSVOA_X
ClientSampled :

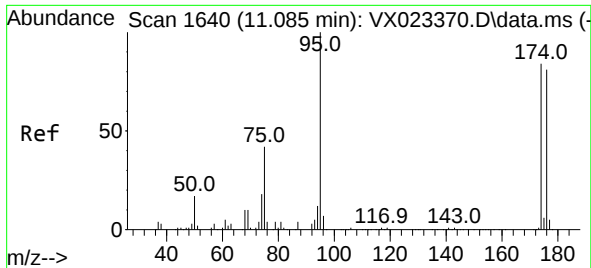
Tgt Ion: 75 Resp: 39
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 2.006 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion:129 Resp: 51
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

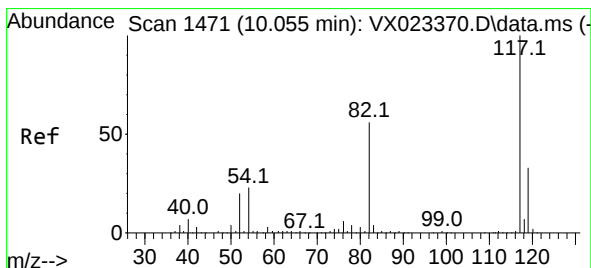
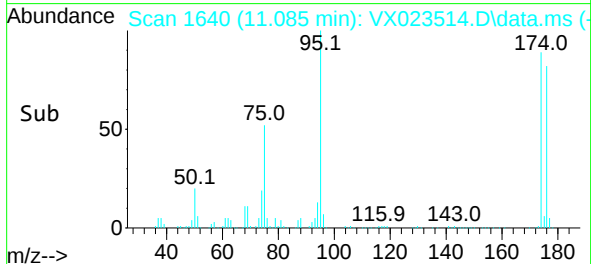
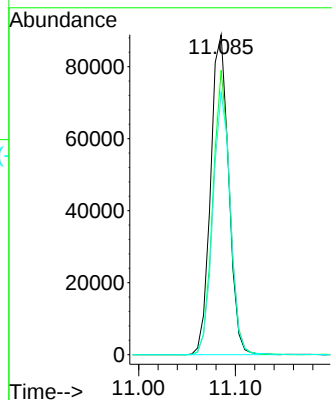
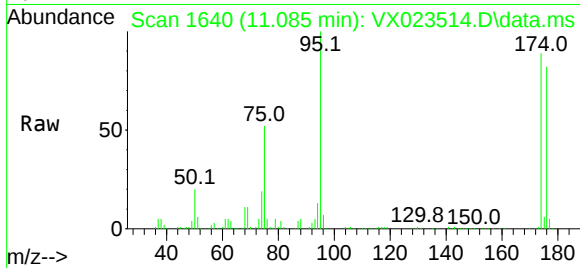




#62
4-Bromofluorobenzene
Concen: 51.523 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

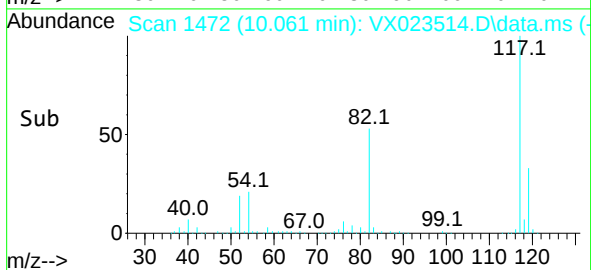
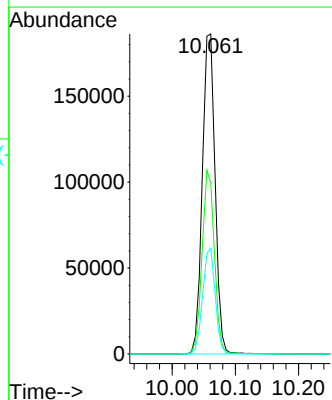
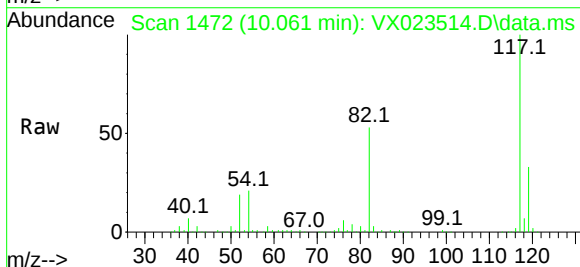
Instrument :
MSVOA_X
ClientSampled :

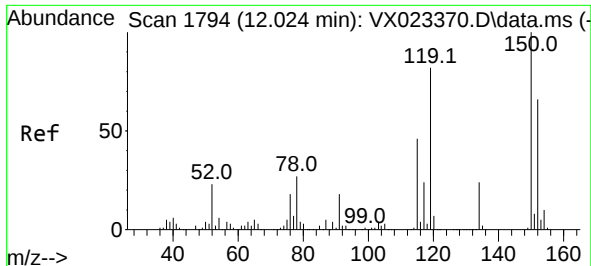
Tgt Ion: 95 Resp: 115105
Ion Ratio Lower Upper
95 100
174 84.0 0.0 154.6
176 80.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 117 Resp: 262667
Ion Ratio Lower Upper
117 100
82 53.5 47.4 71.2
119 33.0 26.6 39.8

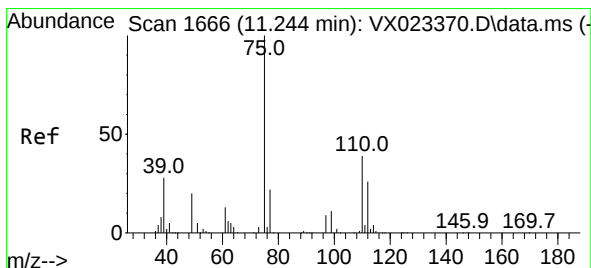
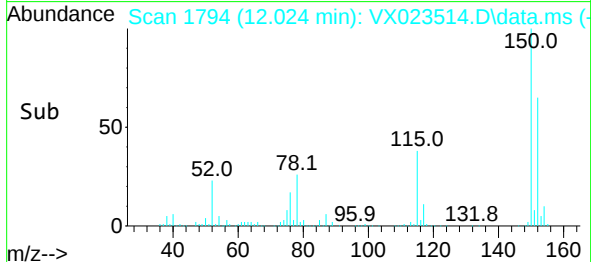
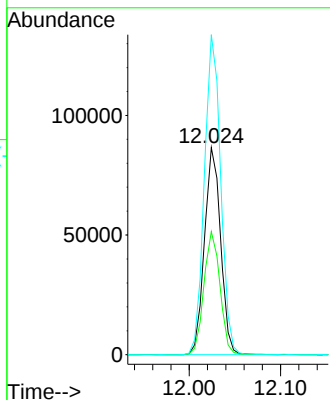
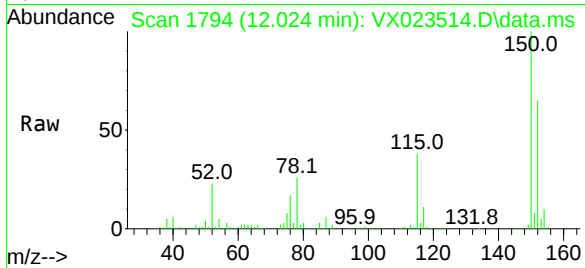




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023514.D
 Acq: 29 Jul 2021 15:34

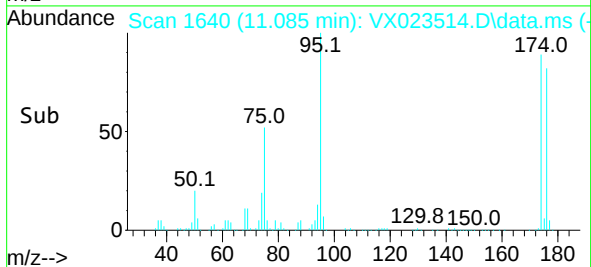
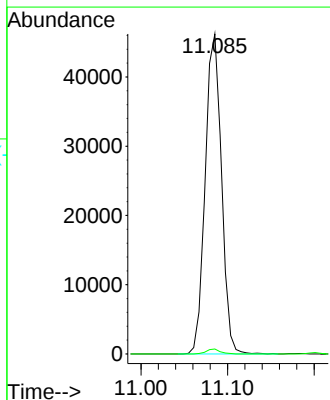
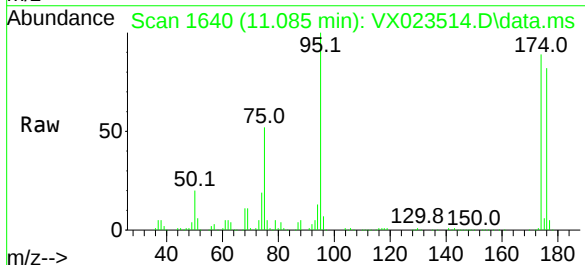
Instrument :
 MSVOA_X
 ClientSampled :

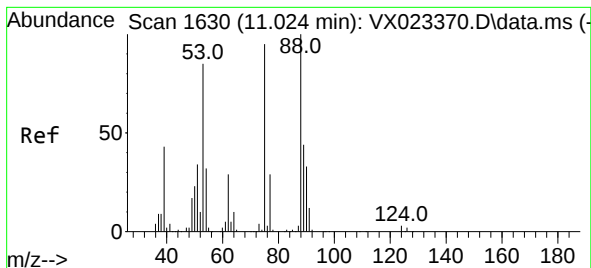
Tgt Ion:152 Resp: 106029
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.1 123.3
 150 156.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.822 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023514.D
 Acq: 29 Jul 2021 15:34

Tgt Ion: 75 Resp: 60250
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

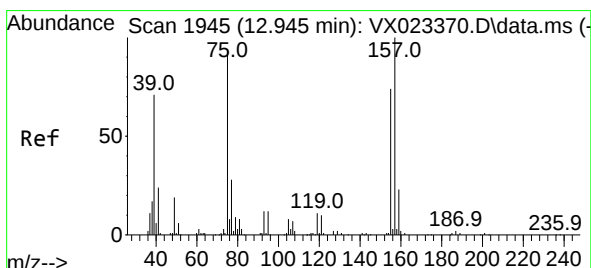
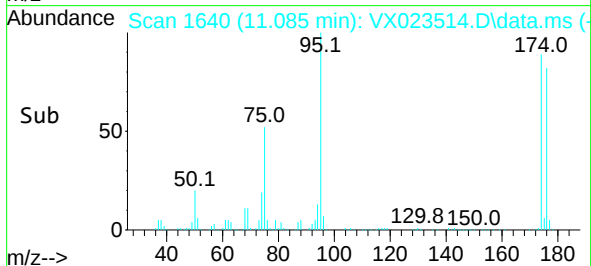
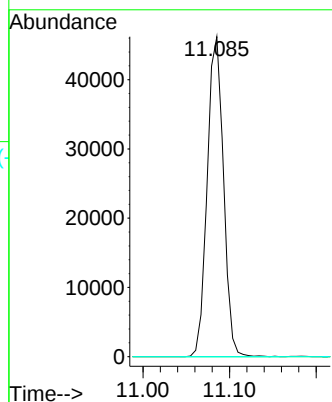
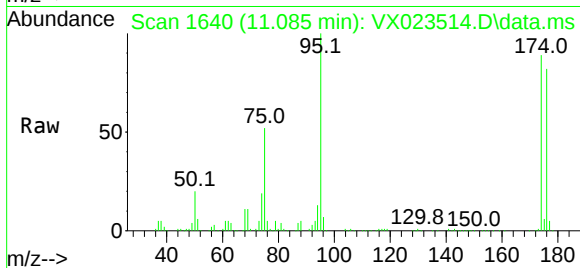




#81
trans-1,4-Dichloro-2-butene
Concen: 69.433 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 60250
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.313 ug/l
RT: 13.061 min Scan# 1964
Delta R.T. 0.116 min
Lab File: VX023514.D
Acq: 29 Jul 2021 15:34

Tgt Ion: 75 Resp: 128
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#

