

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070721\
 Data File : VX023167.D
 Acq On : 07 Jul 2021 13:06
 Operator : JC/MD
 Sample : M2939-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 08 03:18:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

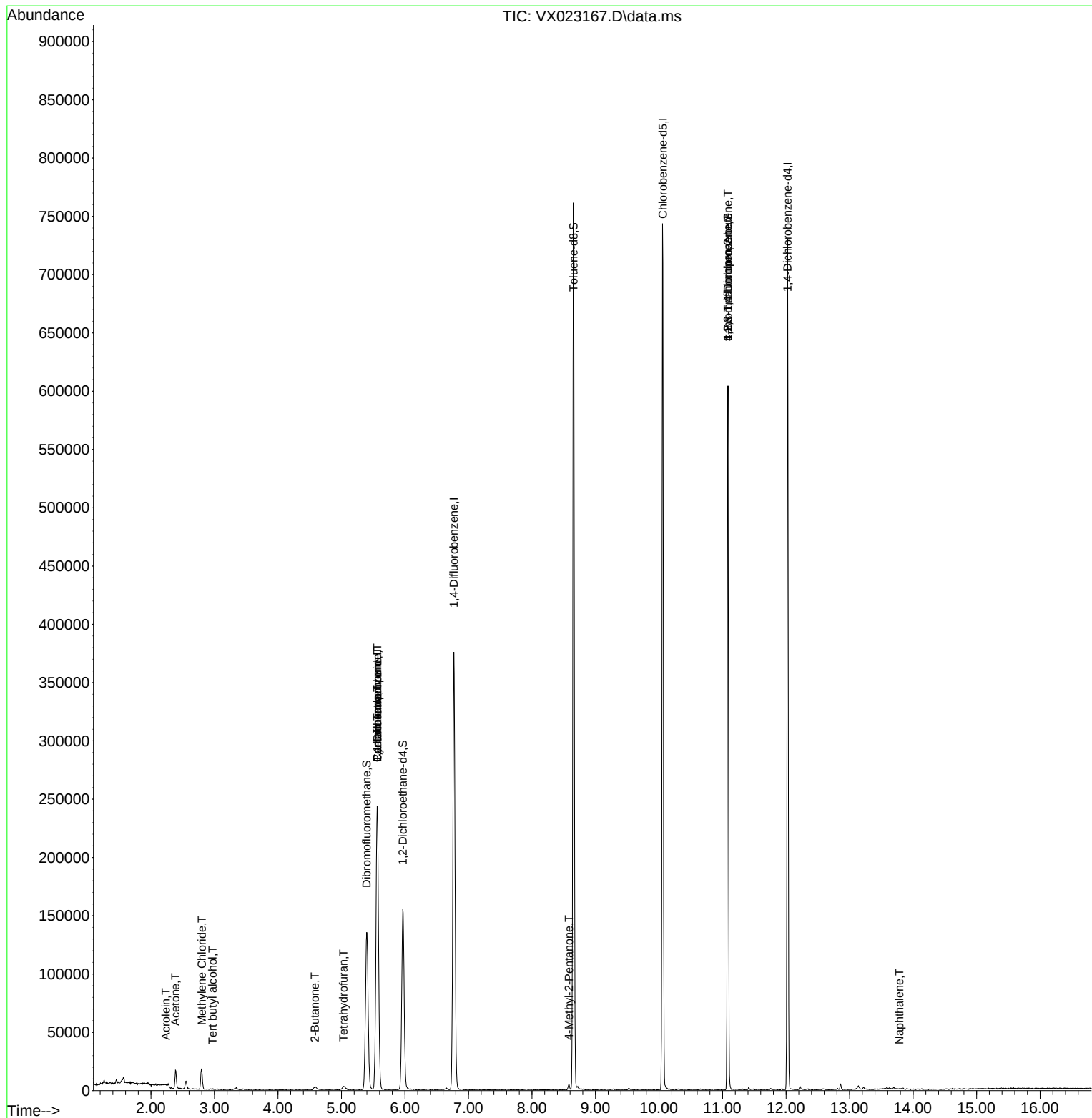
Internal Standards						
1) Pentafluorobenzene	5.562	168	223645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	372784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	335366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155408	51.703	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	103.400%	
35) Dibromofluoromethane	5.397	113	116999	48.602	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.200%	
50) Toluene-d8	8.653	98	443624	49.403	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.800%	
62) 4-Bromofluorobenzene	11.085	95	161555	46.602	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	93.200%	
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	628	Below Cal		83
11) Tert butyl alcohol	2.971	59	292	0.462 ug/l	#	83
13) Acrolein	2.233	56	312	0.741 ug/l	#	60
16) Acetone	2.386	43	16257	13.671 ug/l		90
20) Methylene Chloride	2.800	84	7986	3.119 ug/l	#	91
25) 2-Butanone	4.580	43	4775	2.663 ug/l		91
29) Tetrahydrofuran	5.032	42	2802	2.431 ug/l	#	87
31) Cyclohexane	5.562	56	5171	1.437 ug/l	#	12
36) 1,1-Dichloropropene	5.562	75	17535	5.276 ug/l	#	46
38) Carbon Tetrachloride	5.562	117	24001	6.919 ug/l	#	16
51) 4-Methyl-2-Pentanone	8.580	43	2792	0.747 ug/l		93
76) 1,2,3-Trichloropropane	11.085	75	83789	29.231 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.085	75	83789	78.607 ug/l	#	12
95) Naphthalene	13.786	128	294	1.303 ug/l	#	83

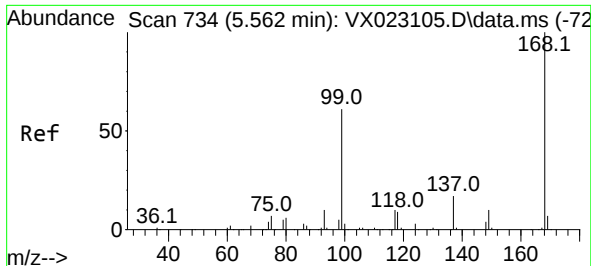
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
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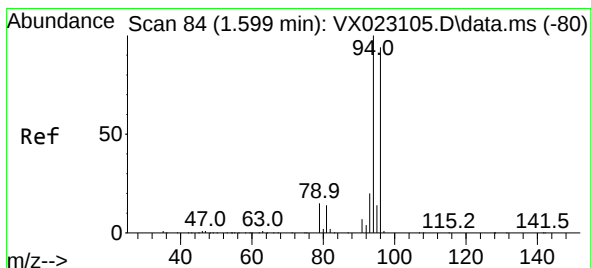
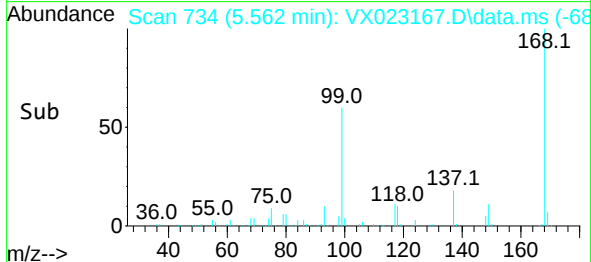
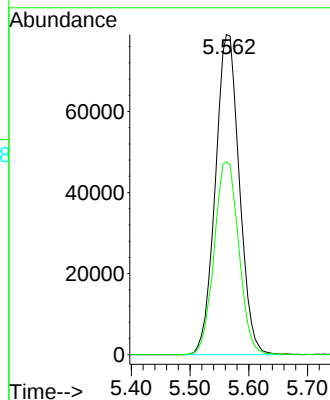
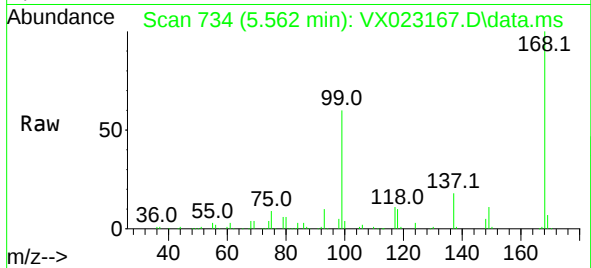




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

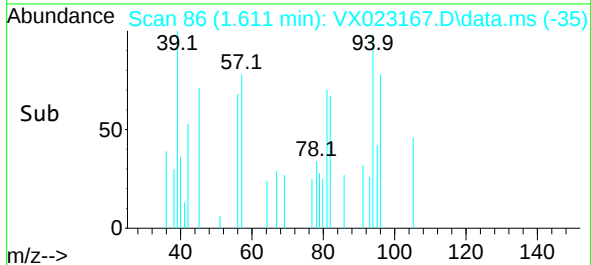
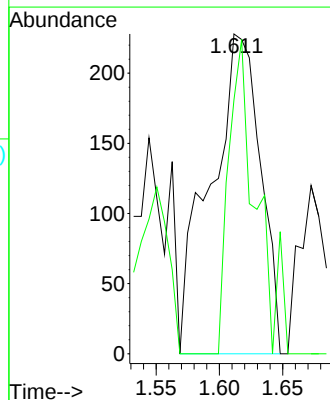
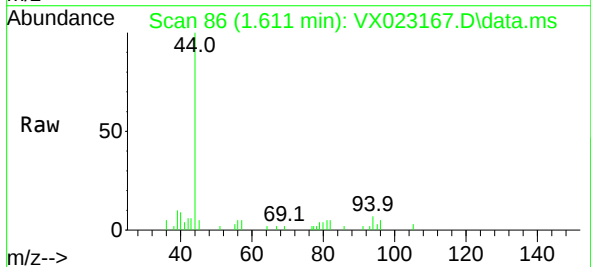
Instrument :
MSVOA_X
ClientSampleId :

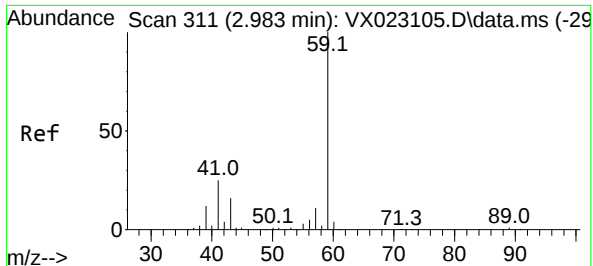
Tgt Ion:168 Resp: 223645
Ion Ratio Lower Upper
168 100
99 60.2 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 79.4 76.4 114.6



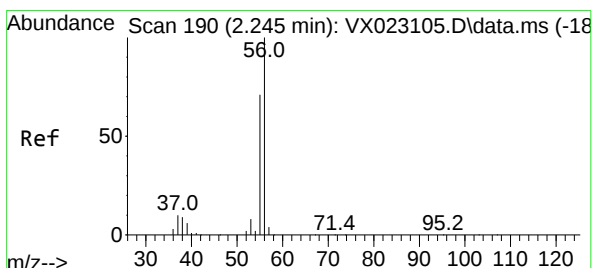
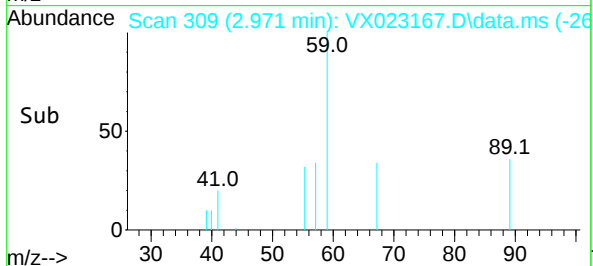
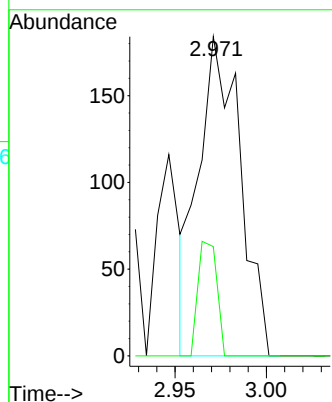
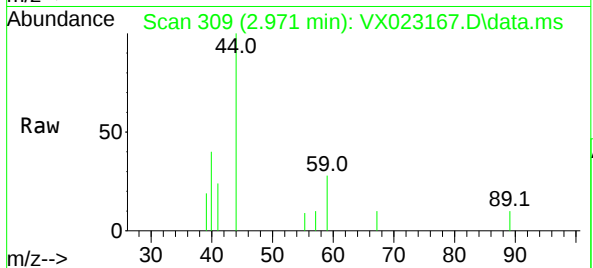


#11

Tert butyl alcohol
Concen: 0.462 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Instrument :
MSVOA_X
ClientSampled :

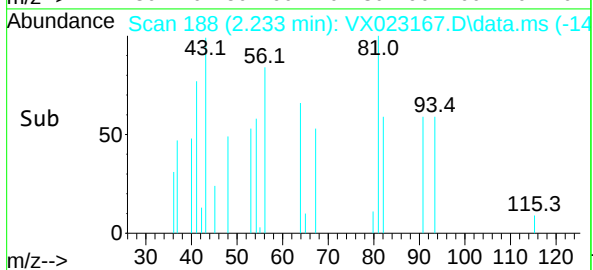
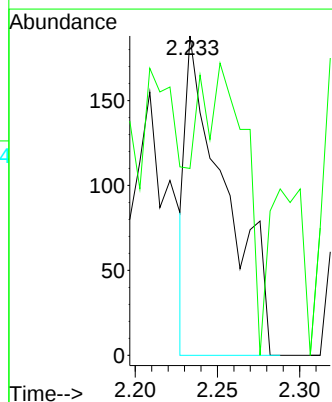
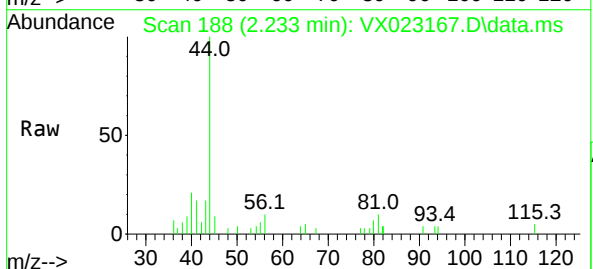
Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 16.1 7.8 11.8#

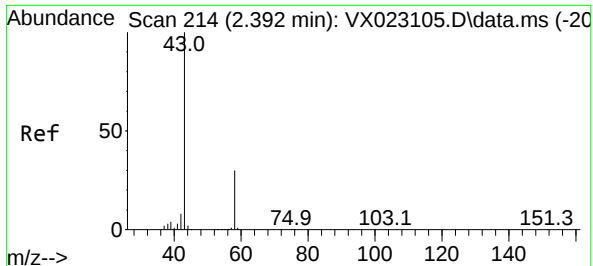


#13

Acrolein
Concen: 0.741 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion: 56 Resp: 312
Ion Ratio Lower Upper
56 100
55 103.5 56.4 84.6#

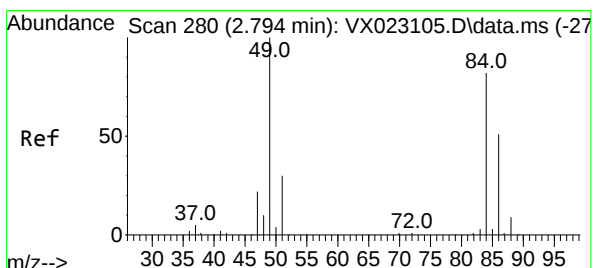
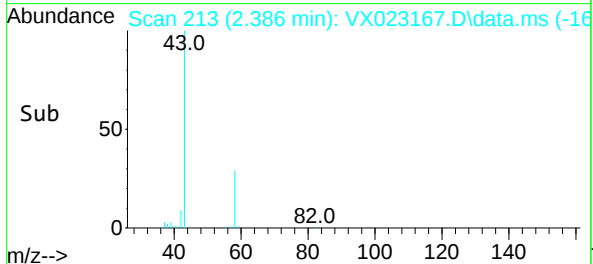
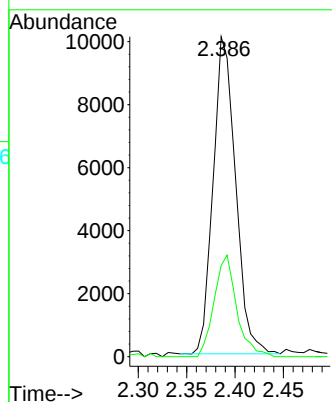
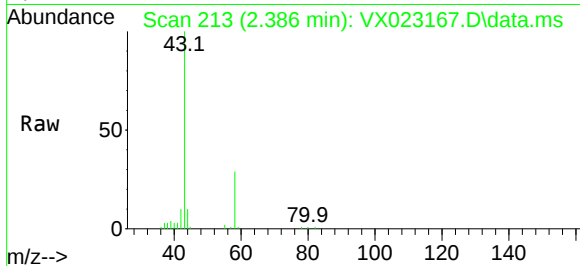




#16
Acetone
Concen: 13.671 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

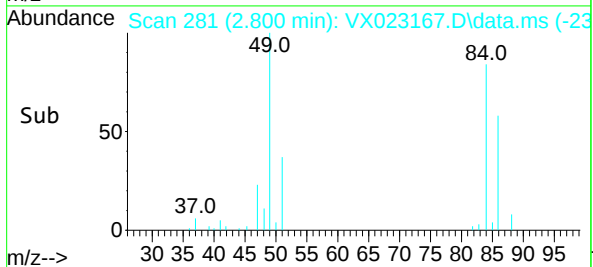
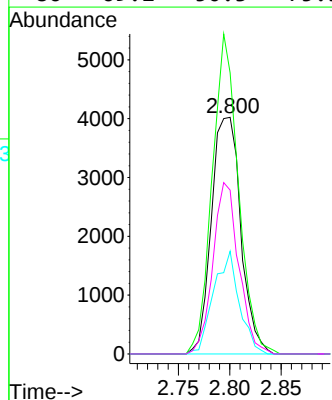
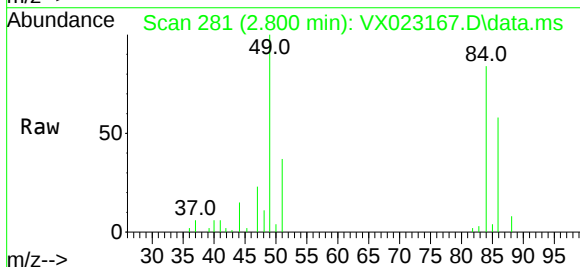
Instrument :
MSVOA_X
ClientSampled :

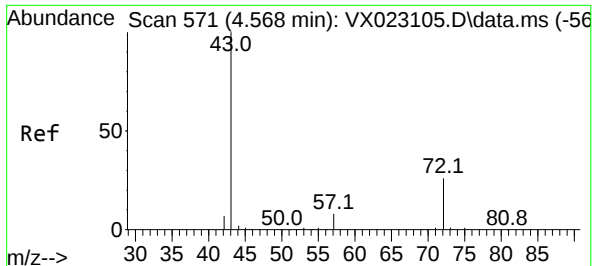
Tgt Ion: 43 Resp: 16257
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



#20
Methylene Chloride
Concen: 3.119 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion: 84 Resp: 7986
Ion Ratio Lower Upper
84 100
49 118.8 88.6 132.8
51 43.4 27.0 40.6#
86 69.2 50.3 75.5

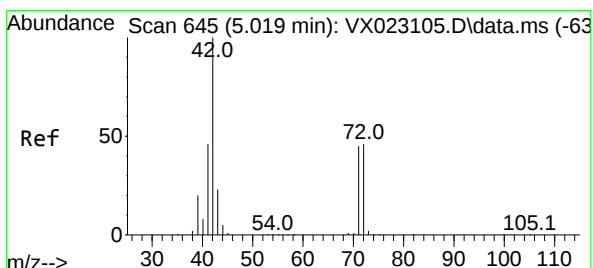
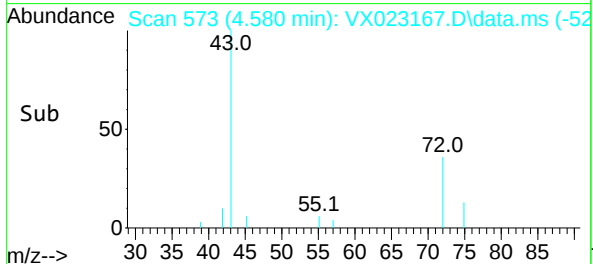
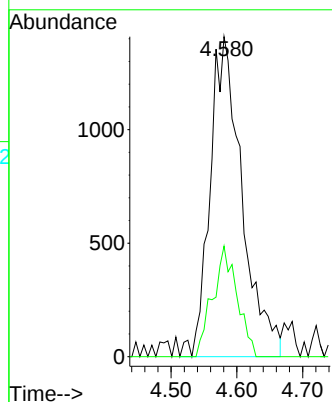
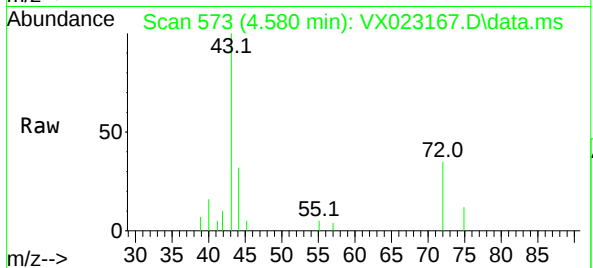




#25
2-Butanone
Concen: 2.663 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

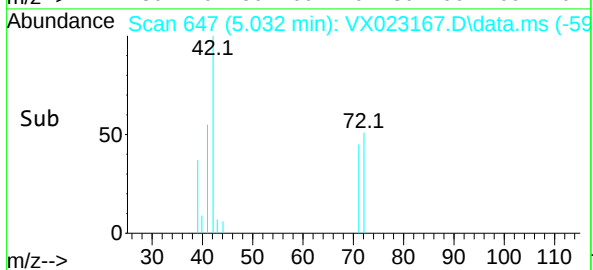
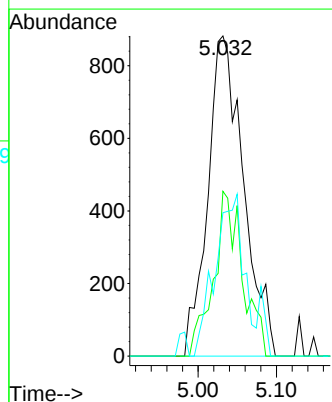
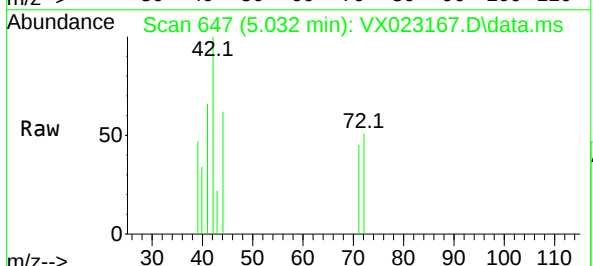
Instrument :
MSVOA_X
ClientSampled :

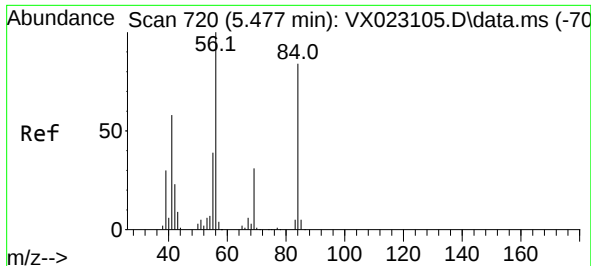
Tgt Ion: 43 Resp: 4775
Ion Ratio Lower Upper
43 100
72 34.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 2.431 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

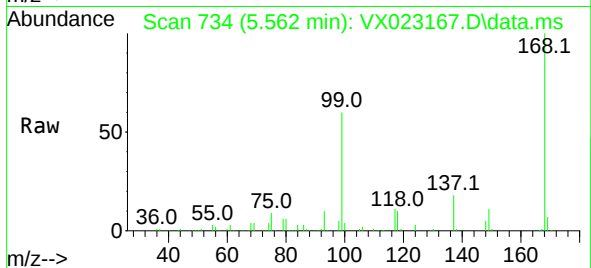
Tgt Ion: 42 Resp: 2802
Ion Ratio Lower Upper
42 100
72 41.5 41.7 62.5#
71 40.6 38.4 57.6



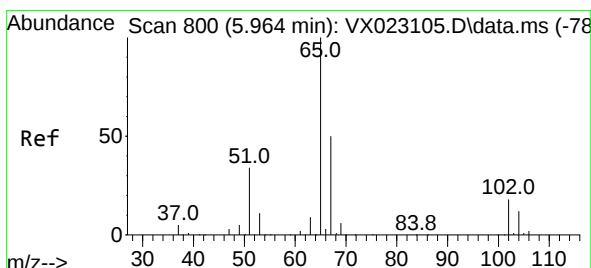
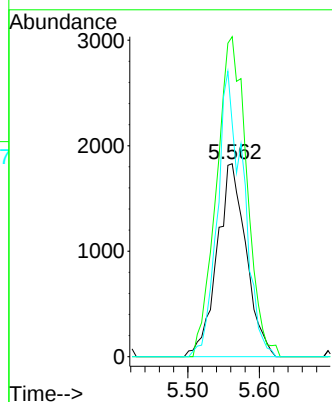
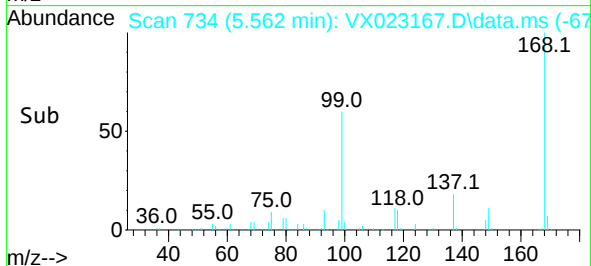


#31
Cyclohexane
Concen: 1.437 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

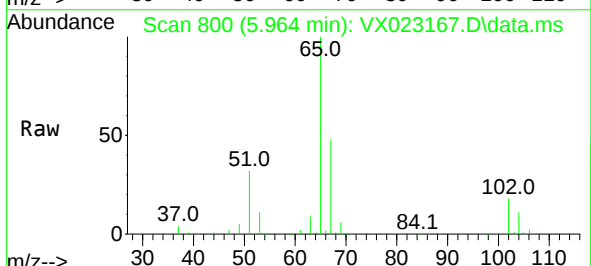
Instrument :
MSVOA_X
ClientSampled :



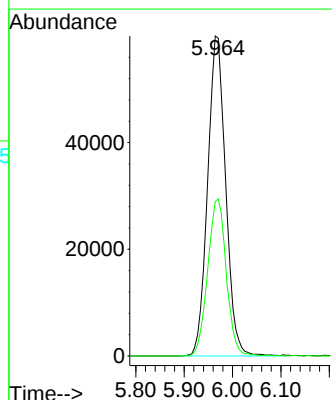
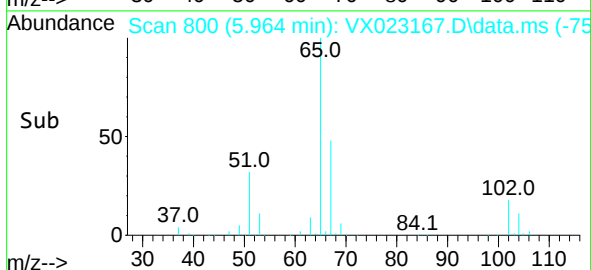
Tgt Ion: 56 Resp: 5171
Ion Ratio Lower Upper
56 100
69 165.8 25.3 37.9#
84 120.8 71.4 107.0#

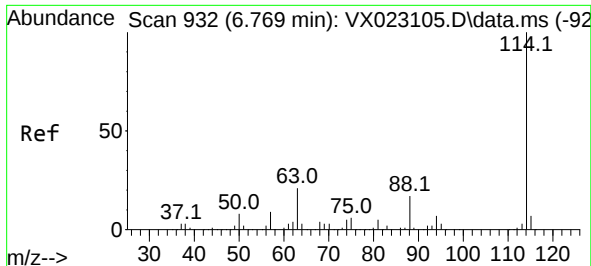


#33
1,2-Dichloroethane-d4
Concen: 51.703 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06



Tgt Ion: 65 Resp: 155408
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

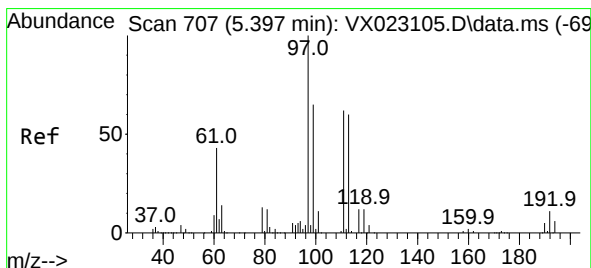
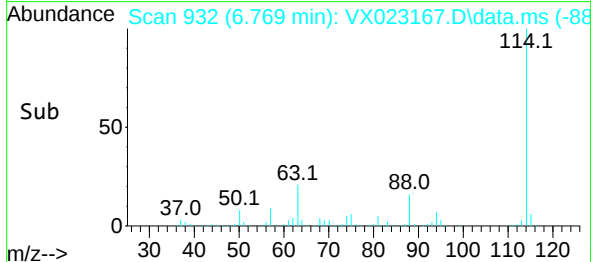
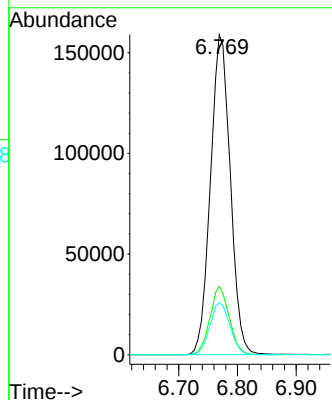
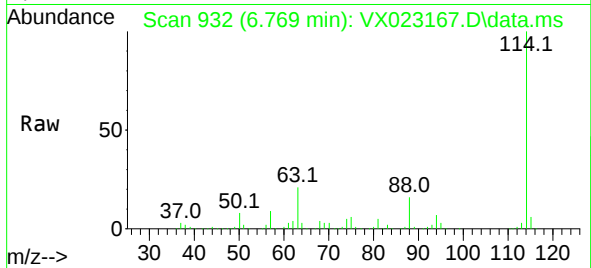




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

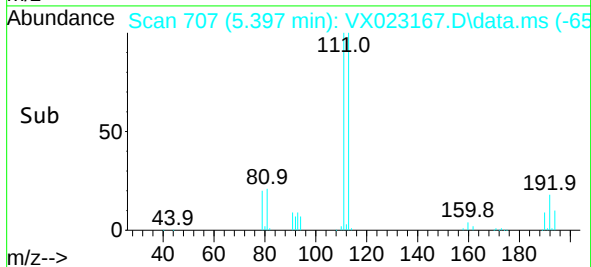
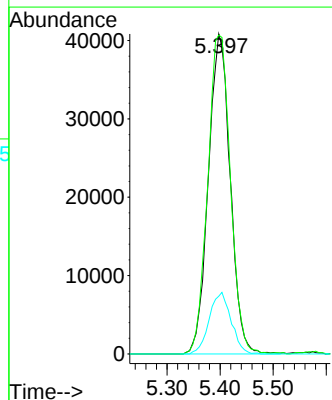
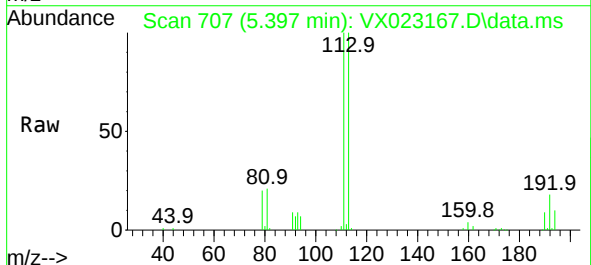
Instrument :
MSVOA_X
ClientSampled :

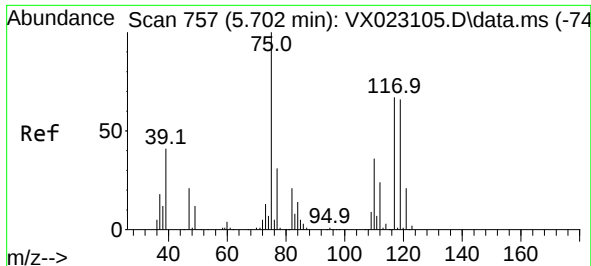
Tgt Ion:114 Resp: 372784
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.602 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion:113 Resp: 116999
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.276 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023167.D

Acq: 07 Jul 2021 13:06

Tgt Ion: 75 Resp: 17535

Ion Ratio Lower Upper

75 100

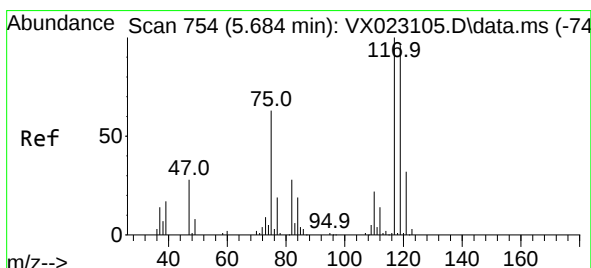
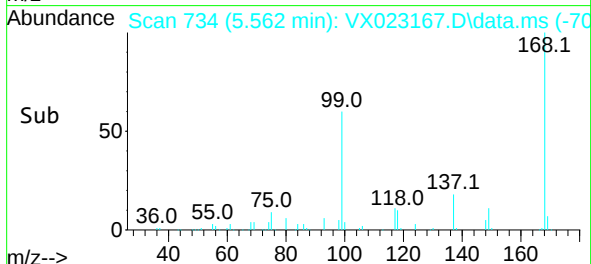
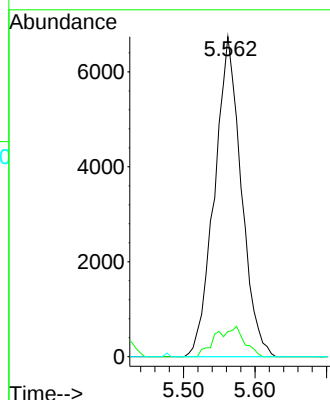
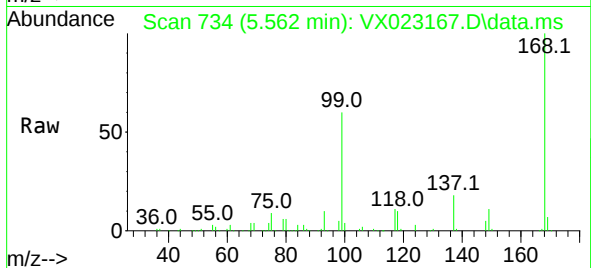
110 5.9 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.919 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023167.D

Acq: 07 Jul 2021 13:06

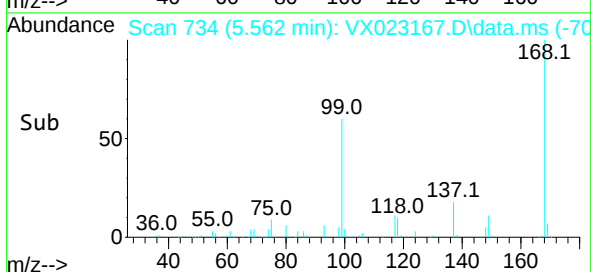
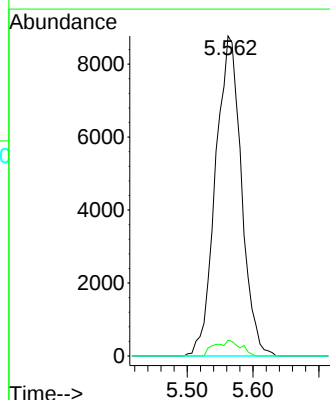
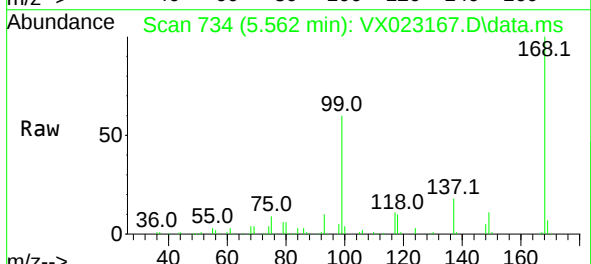
Tgt Ion: 117 Resp: 24001

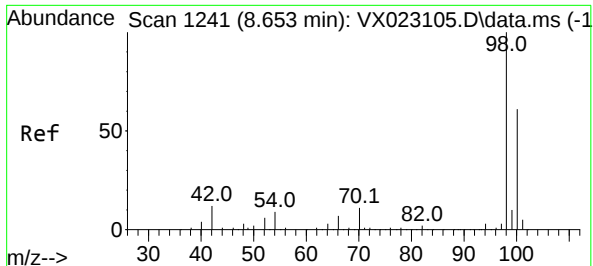
Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

121 0.0 24.8 37.2#

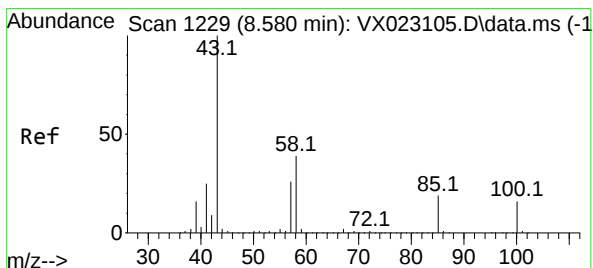
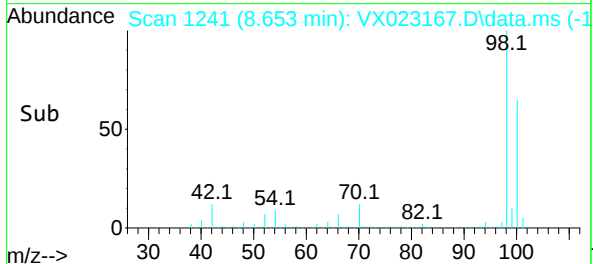
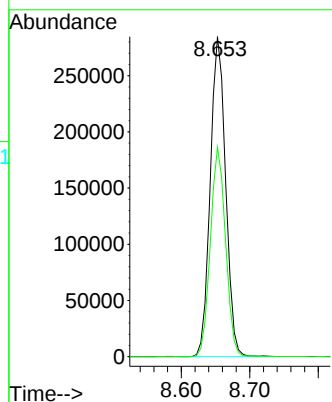
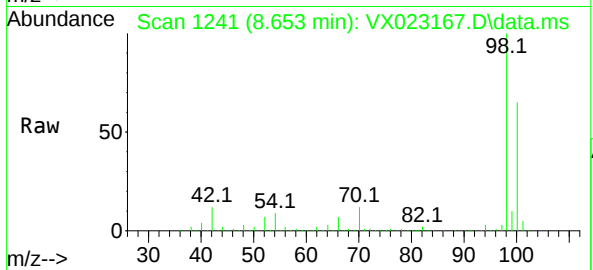




#50
Toluene-d8
Concen: 49.403 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

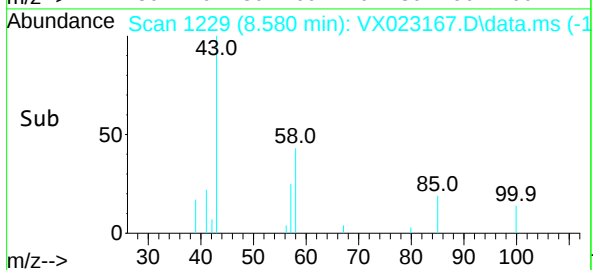
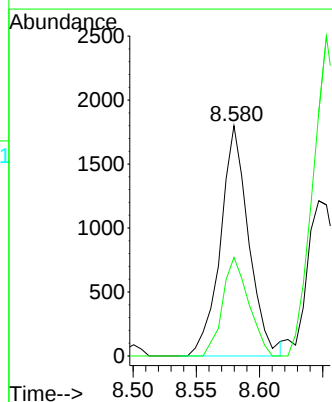
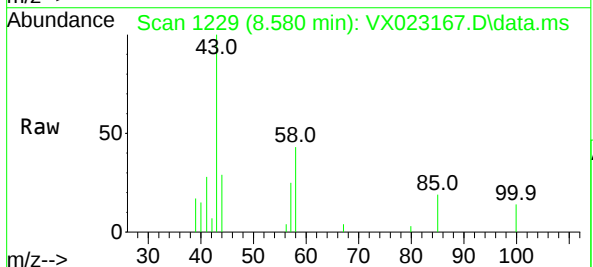
Instrument :
MSVOA_X
ClientSampled :

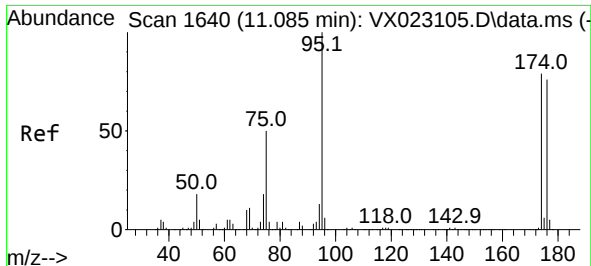
Tgt Ion: 98 Resp: 443624
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.747 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion: 43 Resp: 2792
Ion Ratio Lower Upper
43 100
58 39.5 35.4 53.0

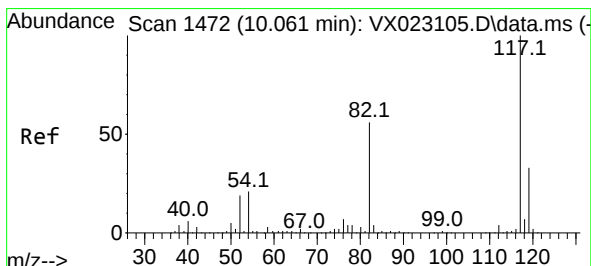
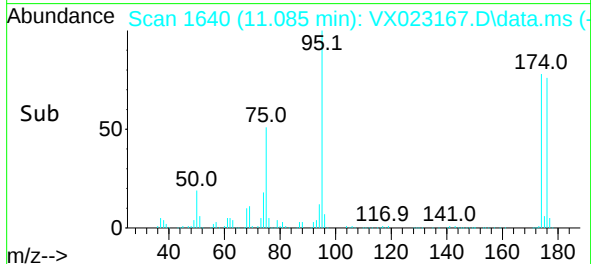
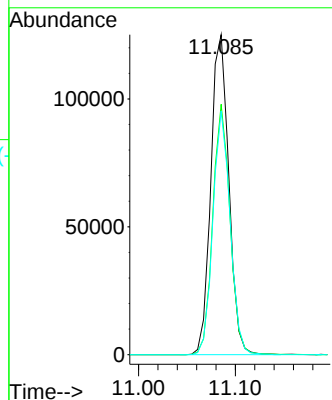
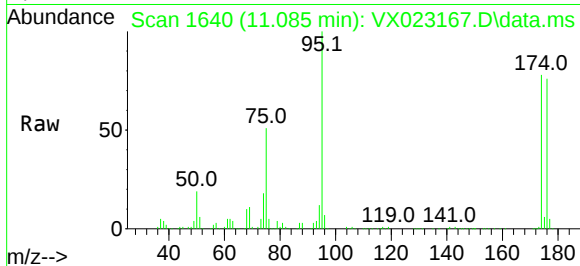




#62
4-Bromofluorobenzene
Concen: 46.602 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

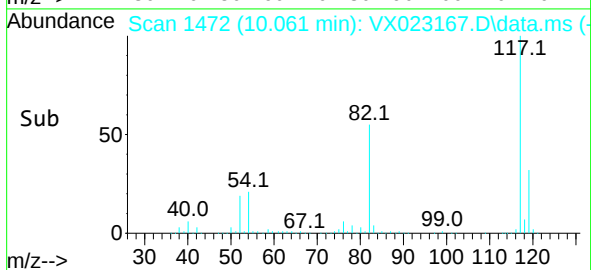
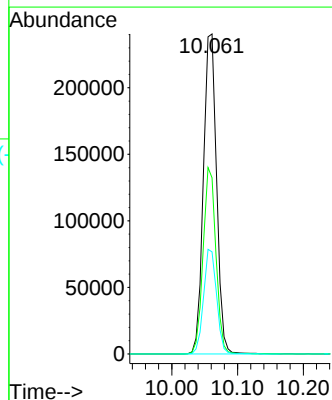
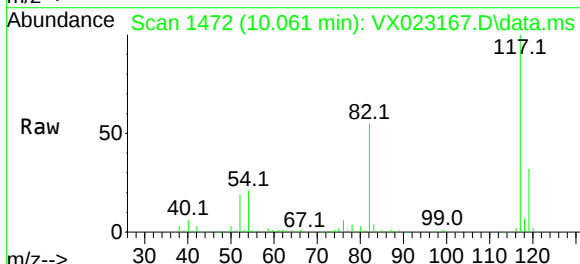
Instrument :
MSVOA_X
ClientSampleId :

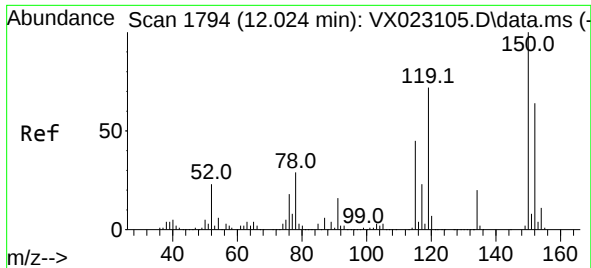
Tgt Ion: 95 Resp: 161555
Ion Ratio Lower Upper
95 100
174 74.7 0.0 154.6
176 73.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion: 117 Resp: 335366
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 31.9 26.6 39.8

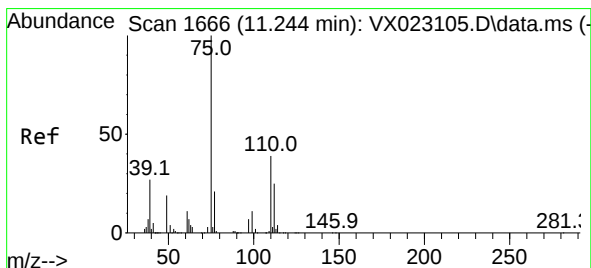
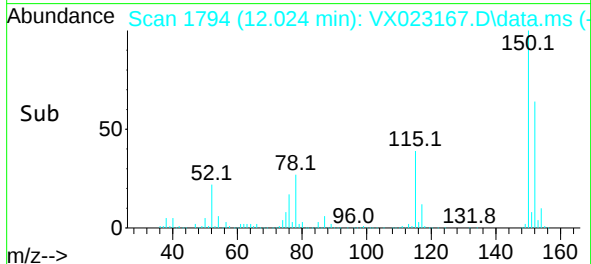
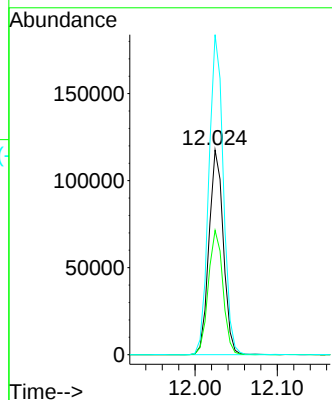
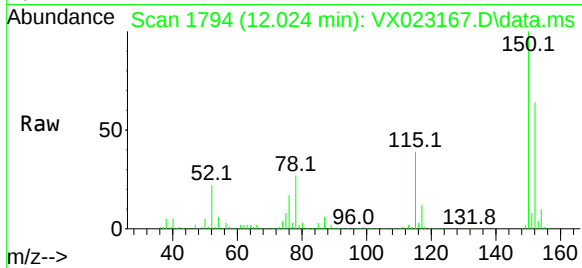




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

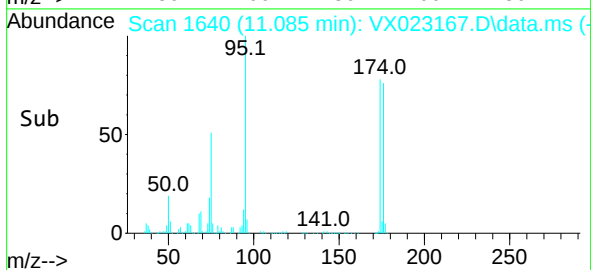
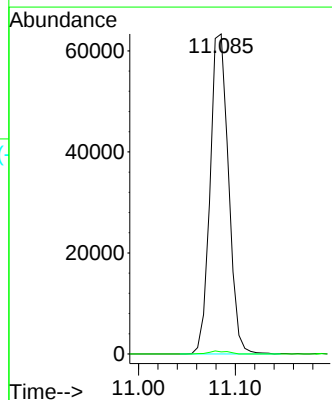
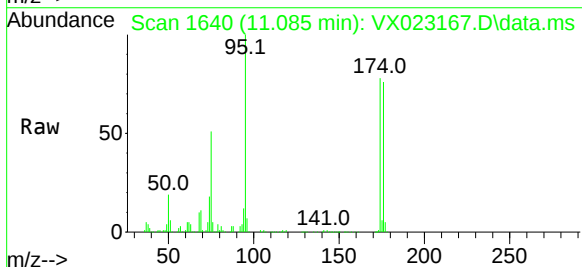
Instrument :
MSVOA_X
ClientSampled :

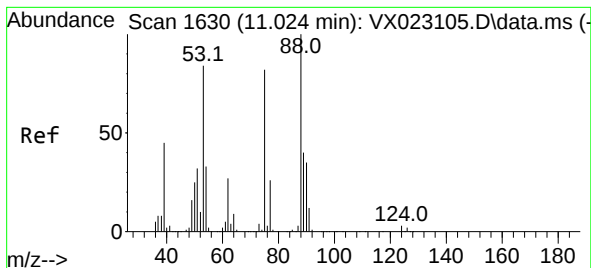
Tgt Ion:152 Resp: 142445
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 157.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.231 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion: 75 Resp: 83789
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

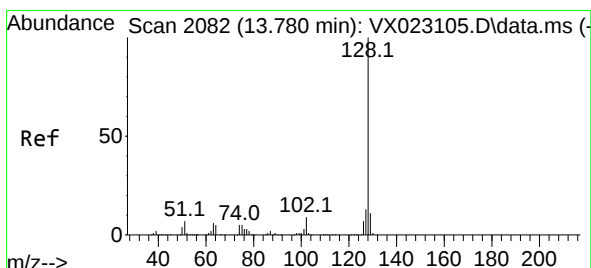
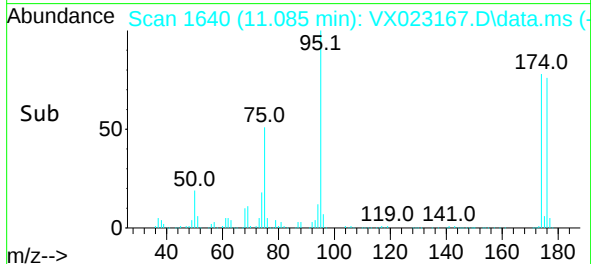
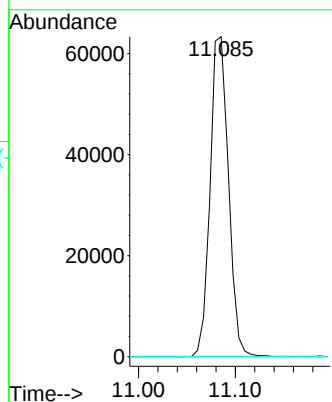
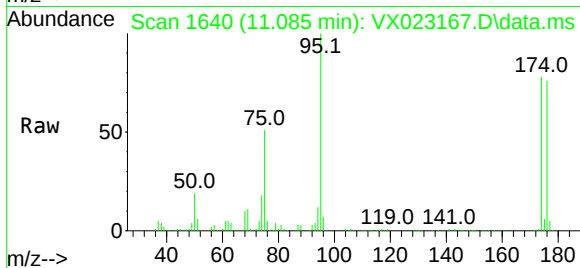




#81
trans-1,4-Dichloro-2-butene
Concen: 78.607 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 83789
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.303 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023167.D
Acq: 07 Jul 2021 13:06

Tgt Ion: 128 Resp: 294
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 0.0 8.8 13.2#

