

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093024\
 Data File : VX043199.D
 Acq On : 30 Sep 2024 15:28
 Operator : JC/MD
 Sample : P4222-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 01 01:53:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

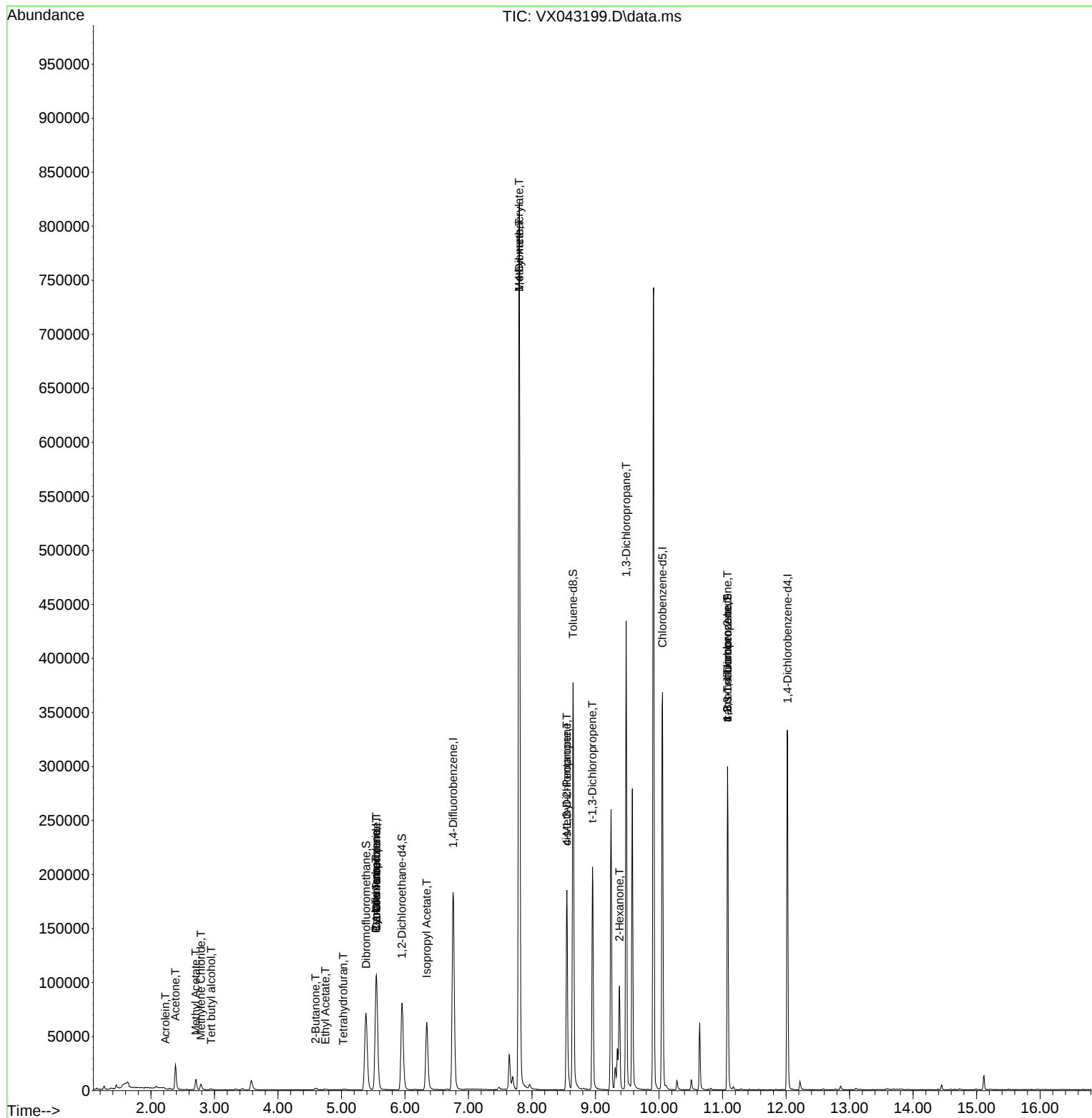
Internal Standards						
1) Pentafluorobenzene	5.544	168	96561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83032	51.768	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.540%			
35) Dibromofluoromethane	5.385	113	62823	47.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.520%			
50) Toluene-d8	8.647	98	221210	49.708	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	11.079	95	78807	43.974	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.940%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	417	1.164	ug/l #	71
13) Acrolein	2.227	56	25	0.530	ug/l #	15
16) Acetone	2.386	43	25445	33.922	ug/l	97
18) Methyl Acetate	2.703	43	12106	5.996	ug/l	98
20) Methylene Chloride	2.788	84	2488	2.085	ug/l #	92
25) 2-Butanone	4.593	43	3510	3.630	ug/l	96
29) Tetrahydrofuran	5.025	42	247	0.425	ug/l #	55
31) Cyclohexane	5.544	56	2443	1.549	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	8396	5.195	ug/l #	49
37) Ethyl Acetate	4.745	43	1766	0.870	ug/l #	72
38) Carbon Tetrachloride	5.550	117	10464	5.026	ug/l #	17
43) Isopropyl Acetate	6.342	43	87604	25.835	ug/l	99
48) Methyl methacrylate	7.799	41	75735	45.472	ug/l #	44
49) 1,4-Dioxane	7.799	88	97	3.085	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67815	32.554	ug/l #	46
53) t-1,3-Dichloropropene	8.952	75	472	0.221	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29258	13.721	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3492	1.624	ug/l #	42
59) 2-Hexanone	9.378	43	73300	45.000	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	42953	29.527	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	42953	70.350	ug/l #	7

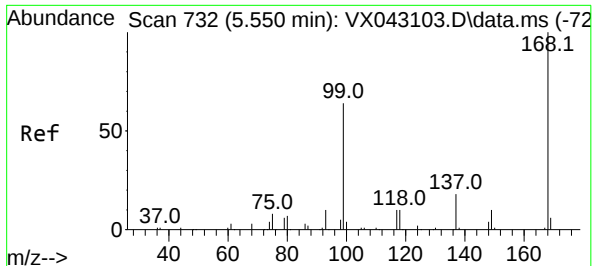
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 01:53:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
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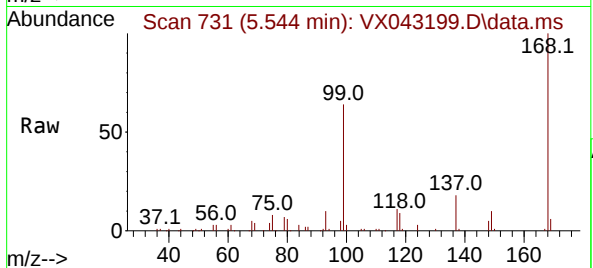


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

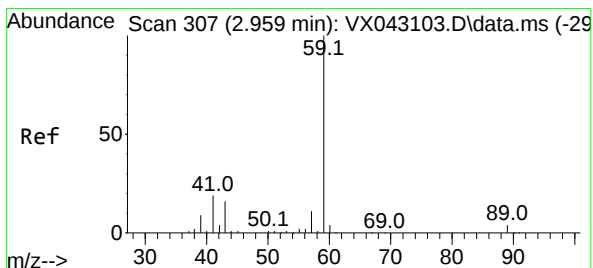
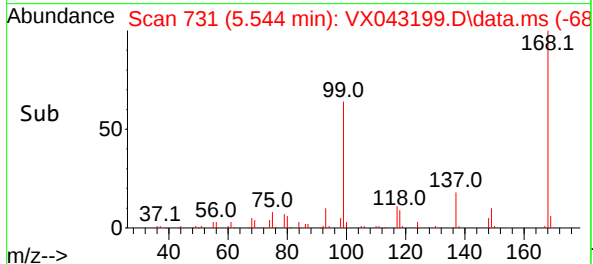
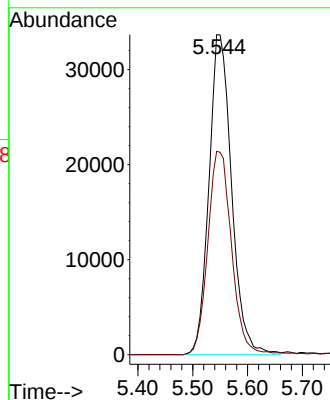
Instrument :

MSVOA_X

ClientSampleId :

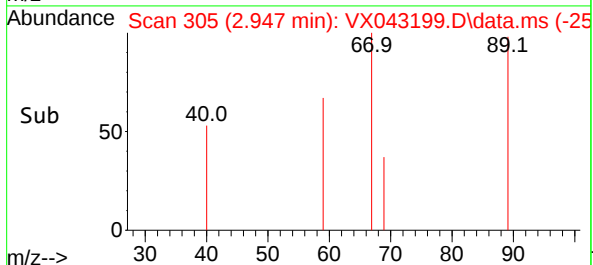
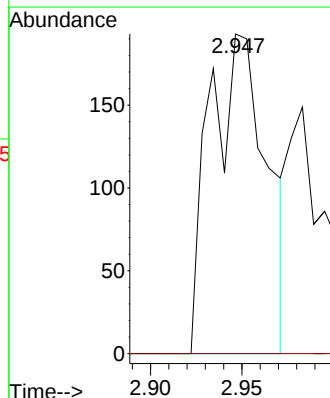
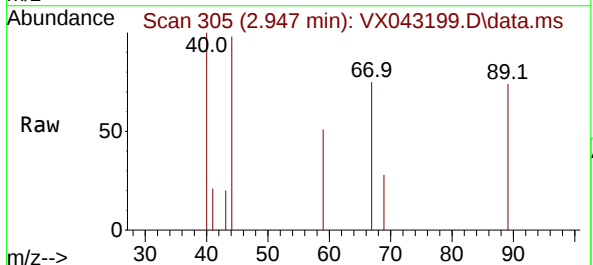


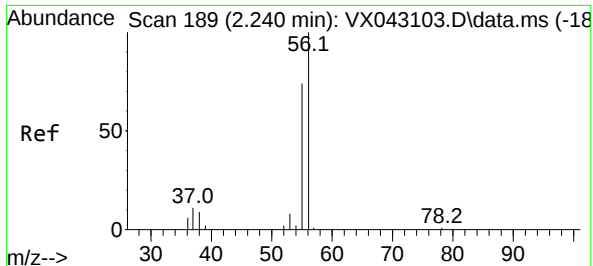
Tgt Ion:168 Resp: 96561
Ion Ratio Lower Upper
168 100
99 63.6 50.8 76.2



#11
Tert butyl alcohol
Concen: 1.164 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

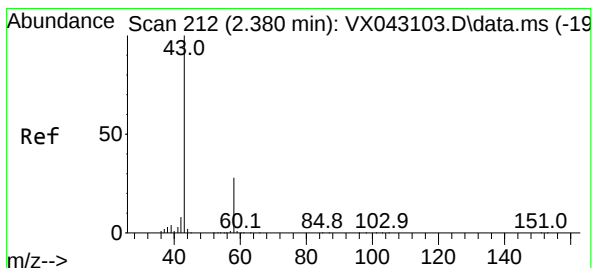
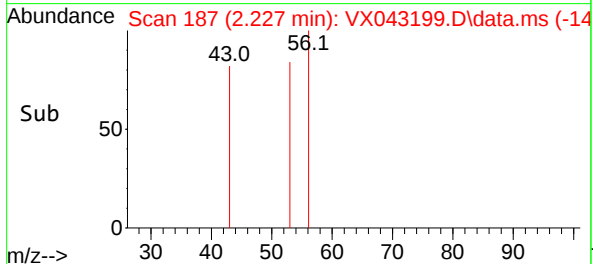
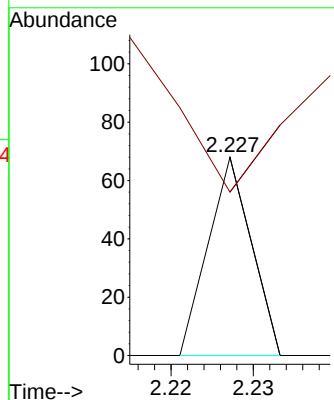
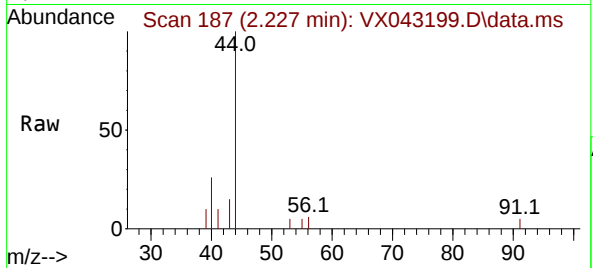




#13
Acrolein
Concen: 0.530 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

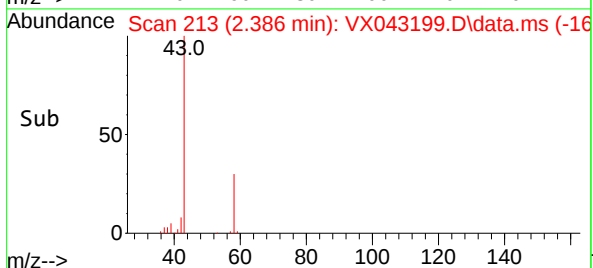
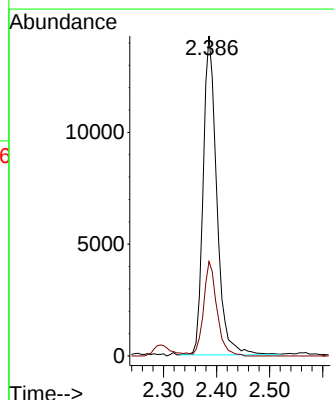
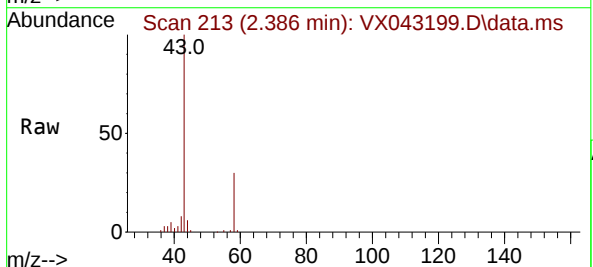
Instrument :
MSVOA_X
ClientSampleId :

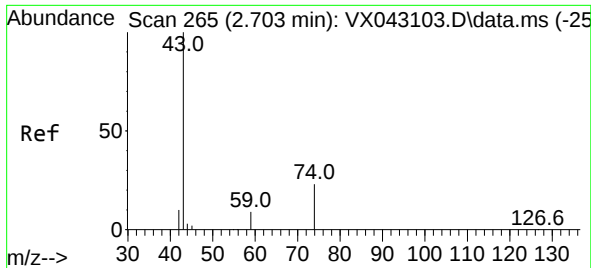
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 33.922 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 43 Resp: 25445
Ion Ratio Lower Upper
43 100
58 29.6 22.6 34.0

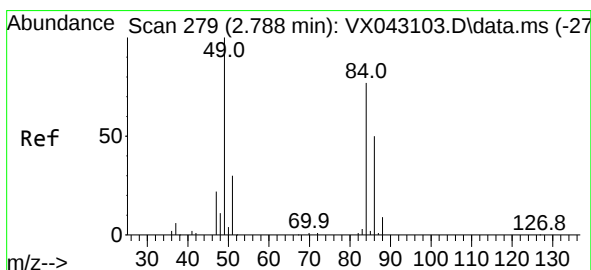
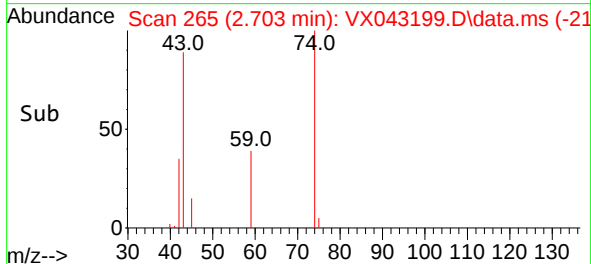
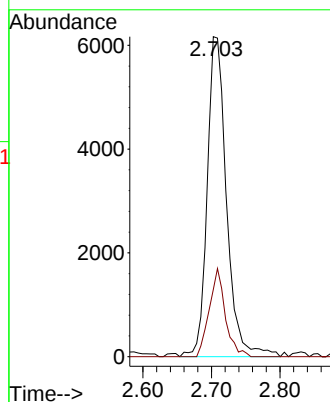
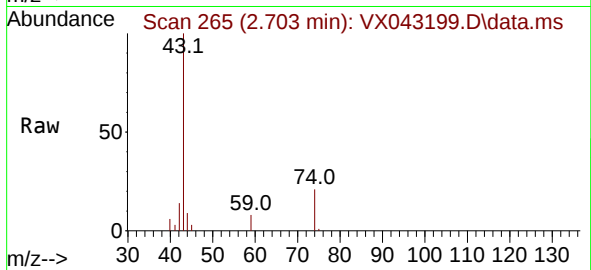




#18
Methyl Acetate
Concen: 5.996 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

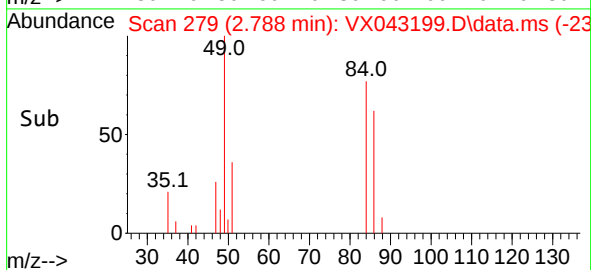
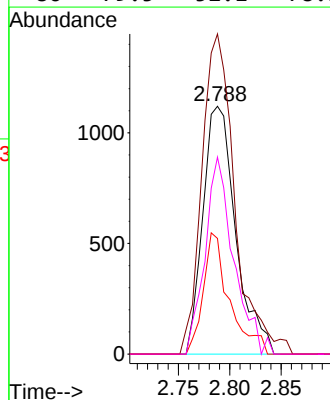
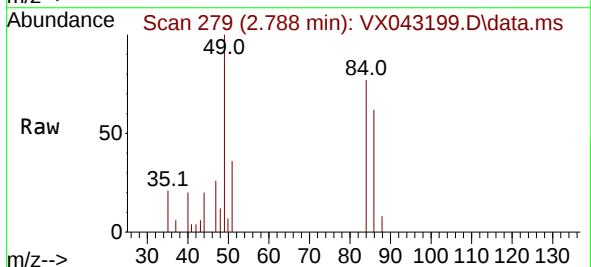
Instrument :
MSVOA_X
ClientSampleId :

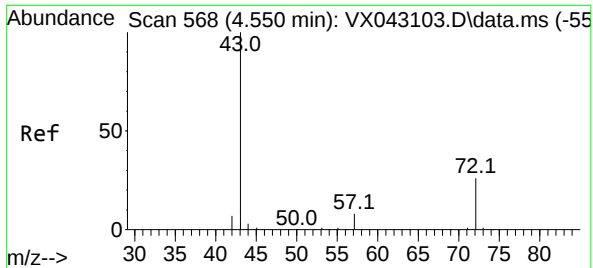
Tgt Ion: 43 Resp: 12106
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8



#20
Methylene Chloride
Concen: 2.085 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 84 Resp: 2488
Ion Ratio Lower Upper
84 100
49 129.2 104.1 156.1
51 46.7 31.1 46.7#
86 79.5 52.1 78.1#

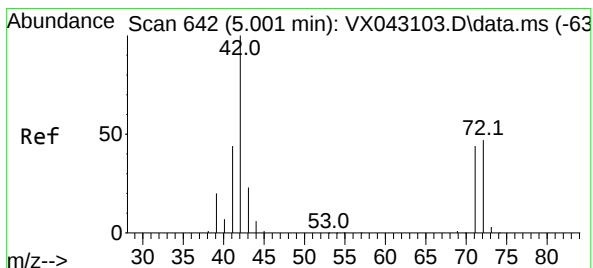
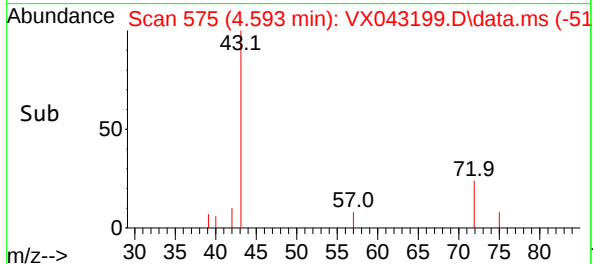
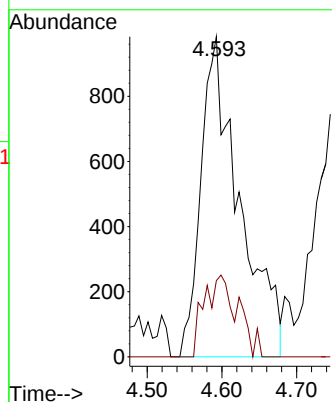
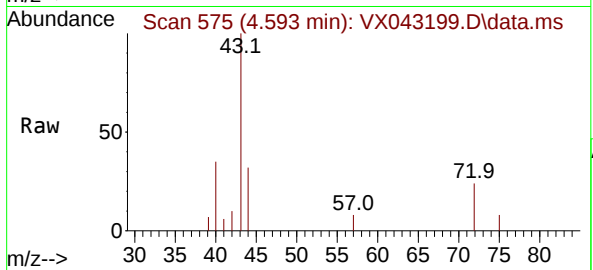




#25
2-Butanone
Concen: 3.630 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

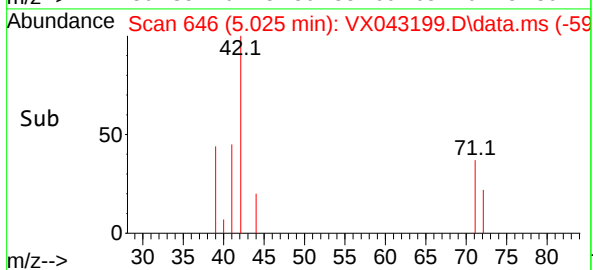
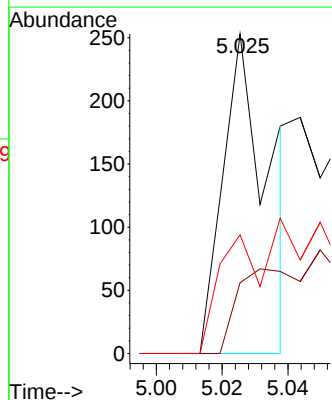
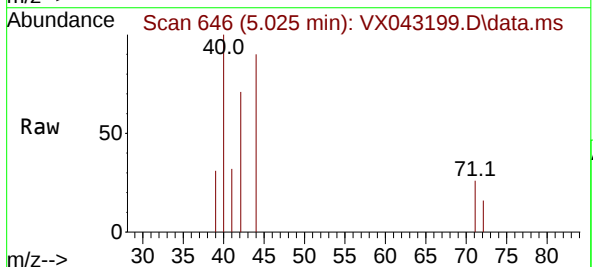
Instrument :
MSVOA_X
ClientSampleId :

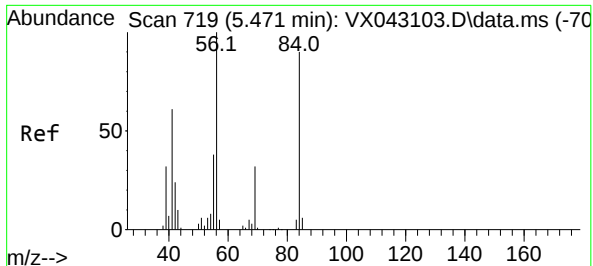
Tgt Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
72 23.8 20.7 31.1



#29
Tetrahydrofuran
Concen: 0.425 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

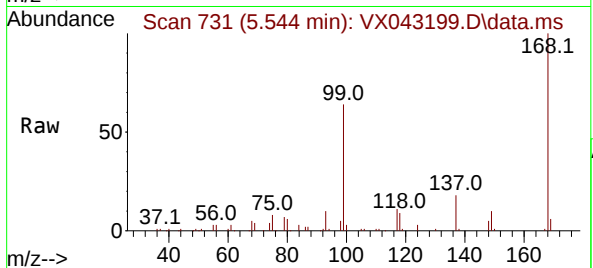
Tgt Ion: 42 Resp: 247
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 32.4 34.8 52.2#



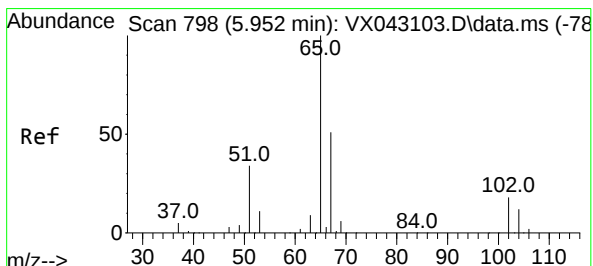
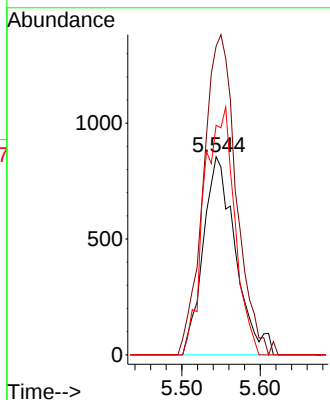
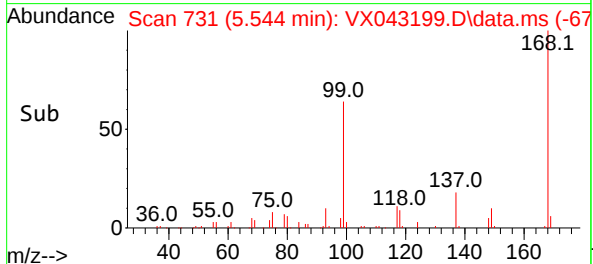


#31
Cyclohexane
Concen: 1.549 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Instrument :
MSVOA_X
ClientSampleId :

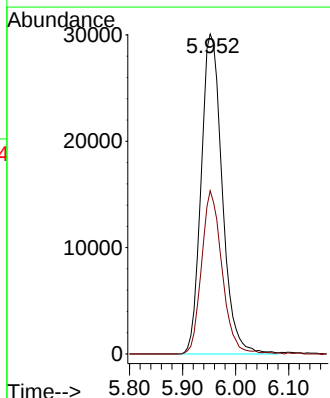
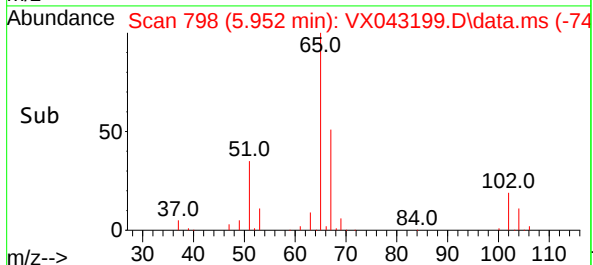
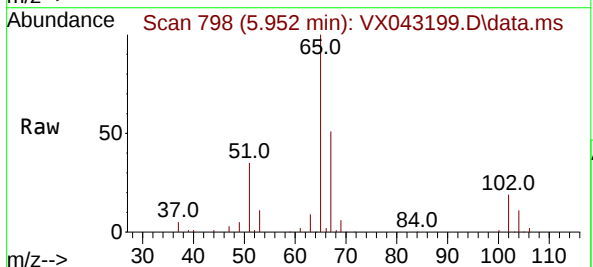


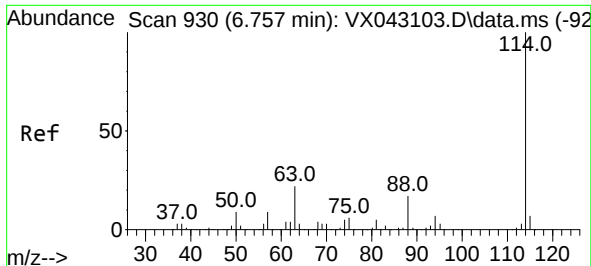
Tgt Ion: 56 Resp: 2443
Ion Ratio Lower Upper
56 100
69 155.8 25.8 38.6#
84 115.9 72.4 108.6#



#33
1,2-Dichloroethane-d4
Concen: 51.768 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 65 Resp: 83032
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

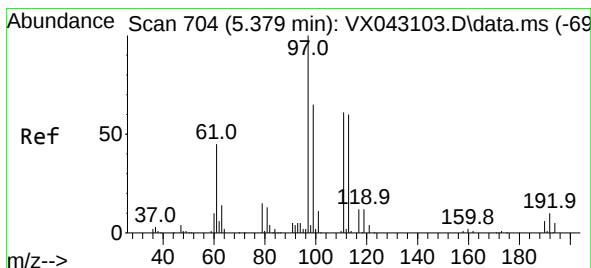
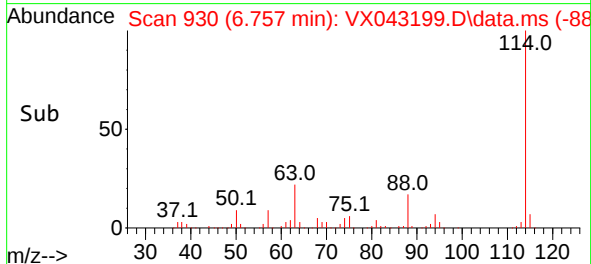
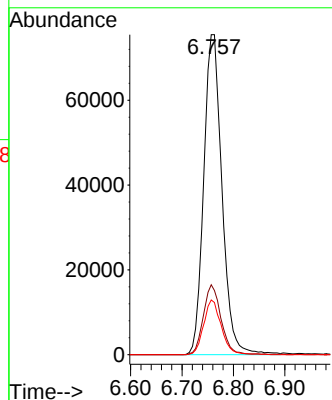
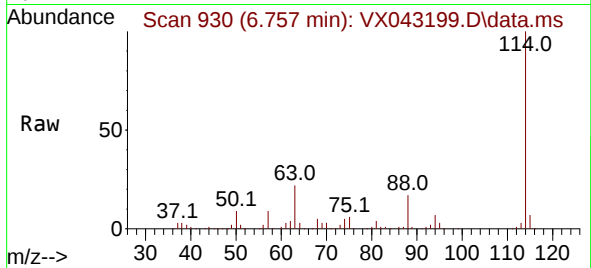




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

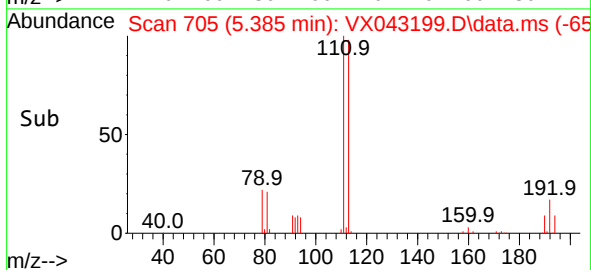
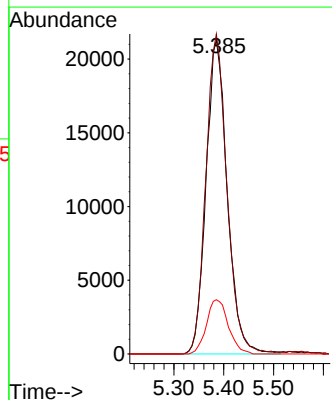
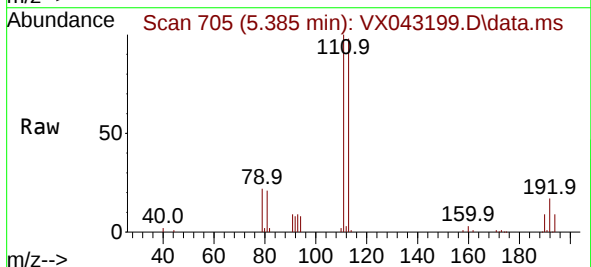
Instrument :
MSVOA_X
ClientSampleId :

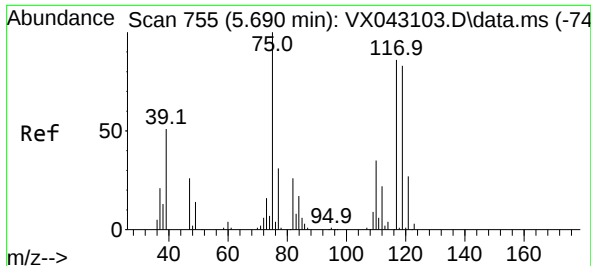
Tgt Ion:114 Resp: 186462
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.2
88 17.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.761 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion:113 Resp: 62823
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 17.8 14.6 22.0





#36

1,1-Dichloropropene

Concen: 5.195 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

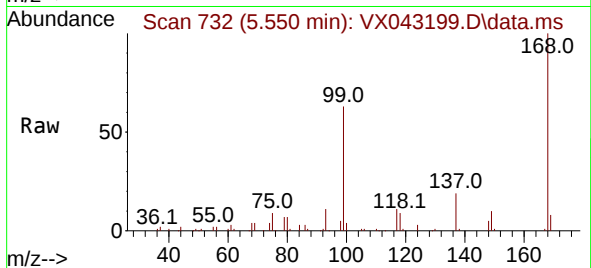
Lab File: VX043199.D

Acq: 30 Sep 2024 15:28

Instrument :

MSVOA_X

ClientSampleId :



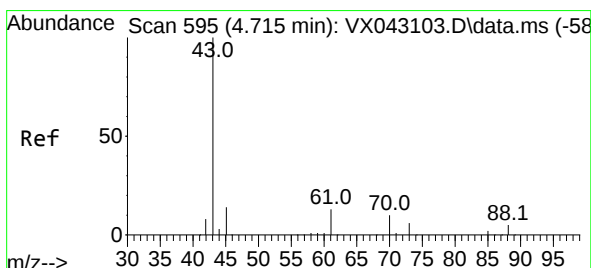
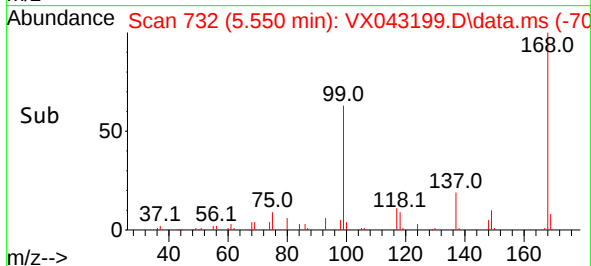
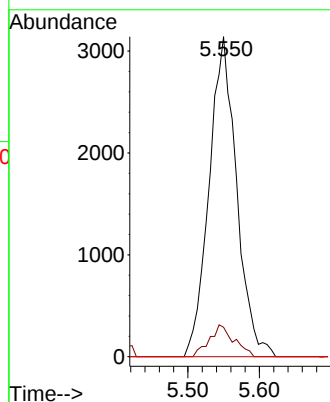
Tgt Ion: 75 Resp: 8396

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.4#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 0.870 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

Lab File: VX043199.D

Acq: 30 Sep 2024 15:28

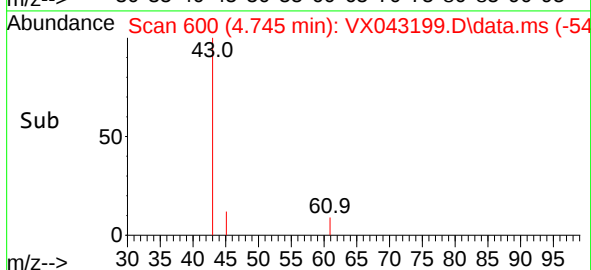
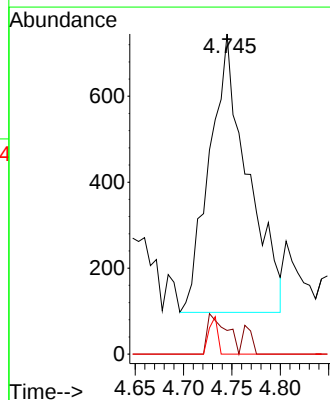
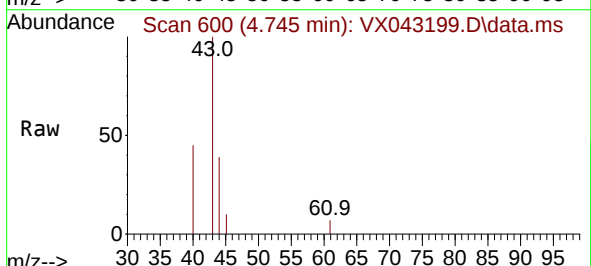
Tgt Ion: 43 Resp: 1766

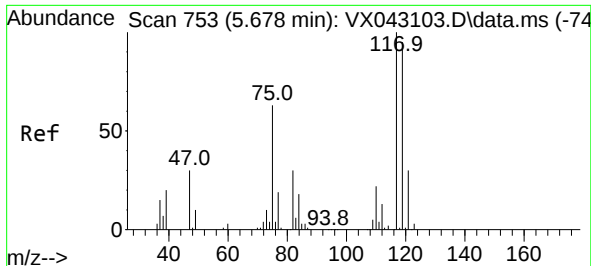
Ion Ratio Lower Upper

43 100

61 2.5 10.9 16.3#

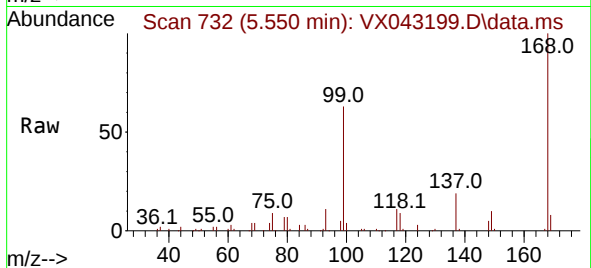
70 0.0 8.6 13.0#



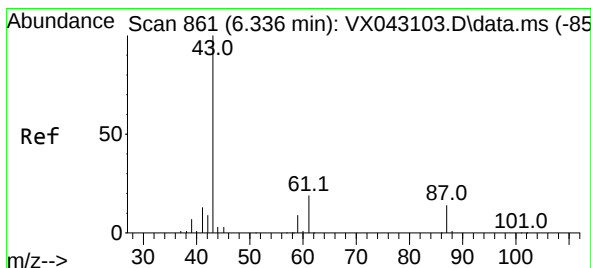
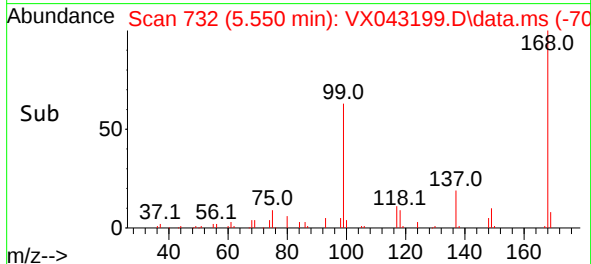
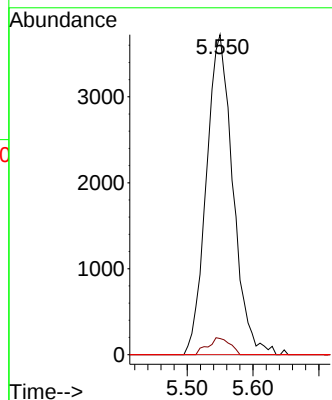


#38
Carbon Tetrachloride
Concen: 5.026 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Instrument :
MSVOA_X
ClientSampleId :

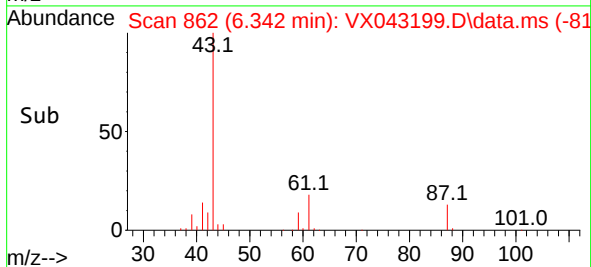
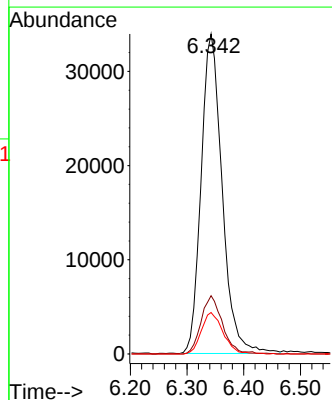
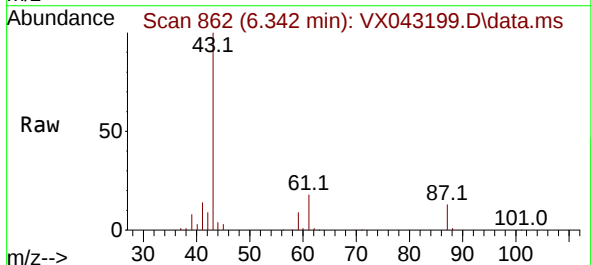


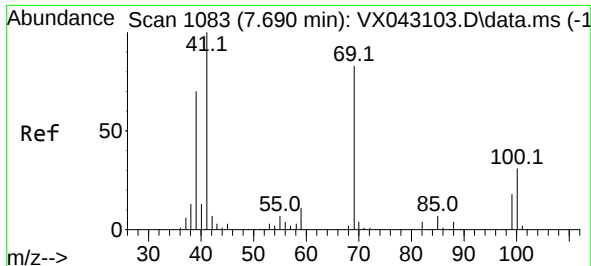
Tgt Ion:117 Resp: 10464
Ion Ratio Lower Upper
117 100
119 5.0 75.5 113.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 25.835 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 43 Resp: 87604
Ion Ratio Lower Upper
43 100
61 18.4 15.0 22.6
87 13.4 10.6 16.0





#48

Methyl methacrylate

Concen: 45.472 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX043199.D

Acq: 30 Sep 2024 15:28

Instrument :

MSVOA_X

ClientSampleId :

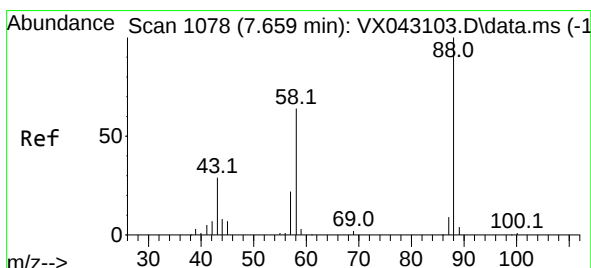
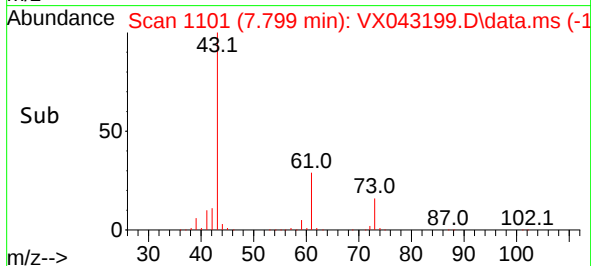
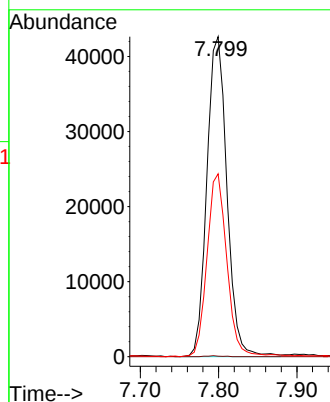
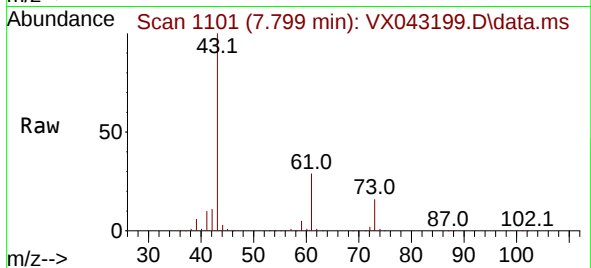
Tgt Ion: 41 Resp: 75735

Ion Ratio Lower Upper

41 100

69 0.2 65.0 97.6#

39 57.1 55.0 82.6



#49

1,4-Dioxane

Concen: 3.085 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX043199.D

Acq: 30 Sep 2024 15:28

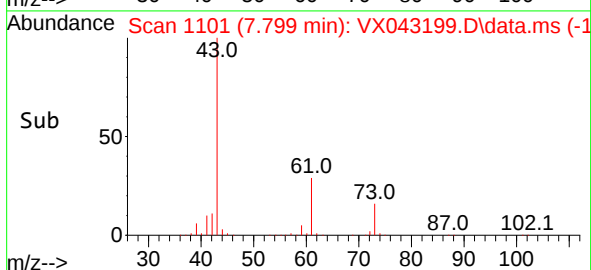
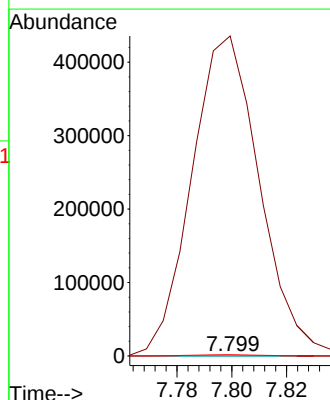
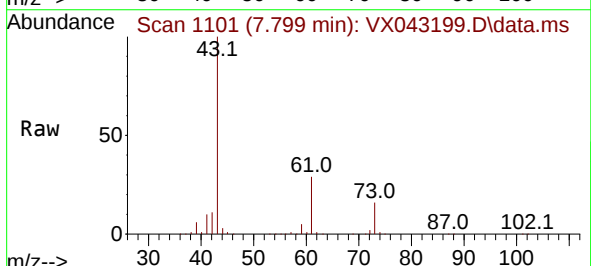
Tgt Ion: 88 Resp: 97

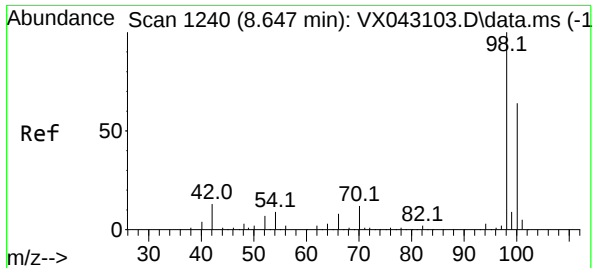
Ion Ratio Lower Upper

88 100

43 787334.0 29.5 44.3#

58 3219.6 52.5 78.7#

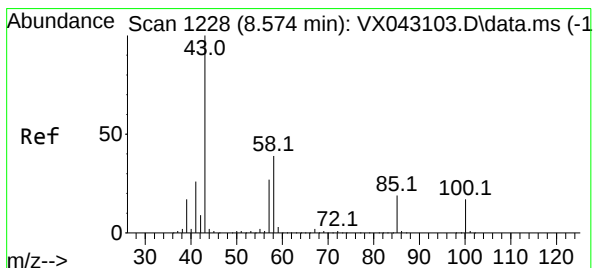
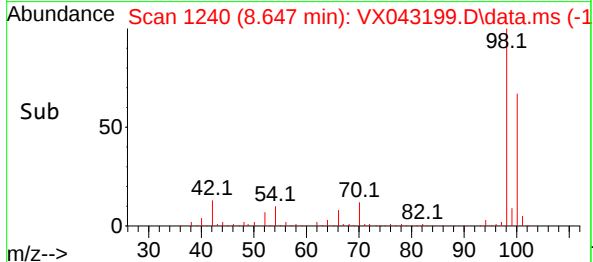
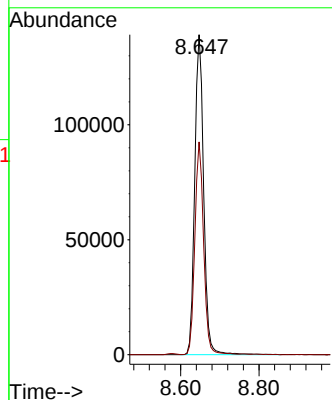
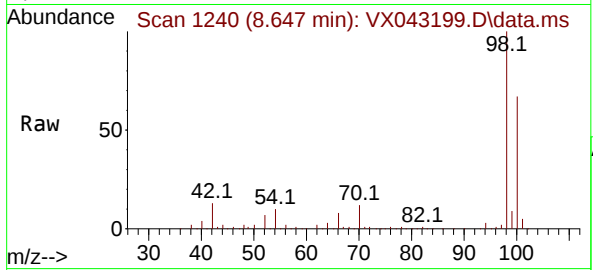




#50
Toluene-d8
Concen: 49.708 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

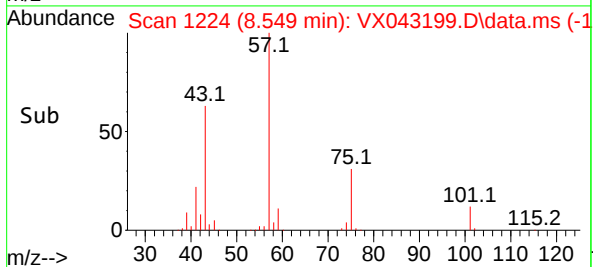
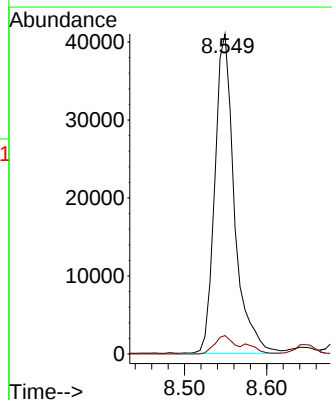
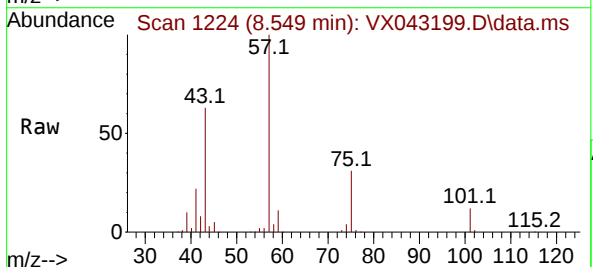
Instrument :
MSVOA_X
ClientSampleId :

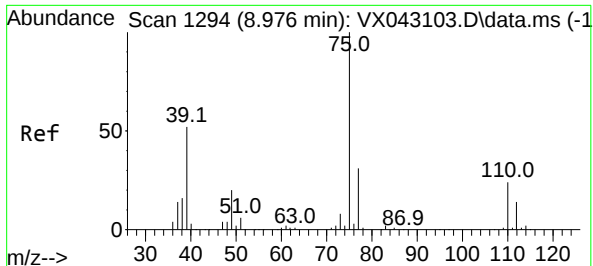
Tgt Ion: 98 Resp: 221210
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 32.554 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 43 Resp: 67815
Ion Ratio Lower Upper
43 100
58 5.7 30.3 45.5#





#53

t-1,3-Dichloropropene

Concen: 0.221 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX043199.D

Acq: 30 Sep 2024 15:28

Instrument :

MSVOA_X

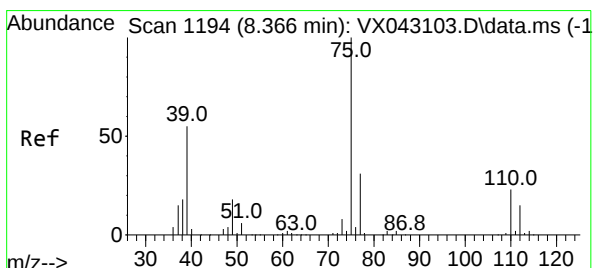
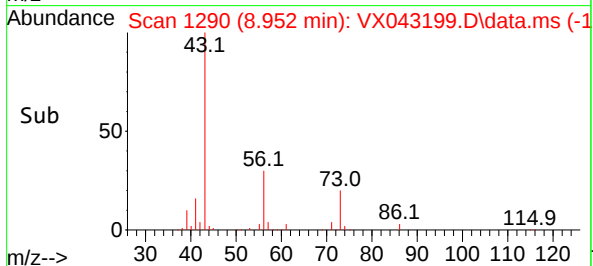
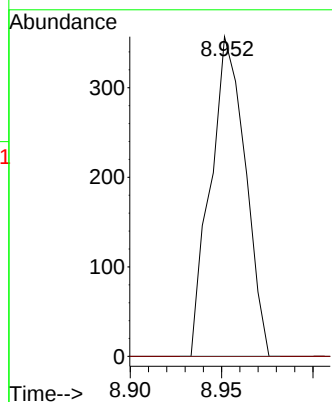
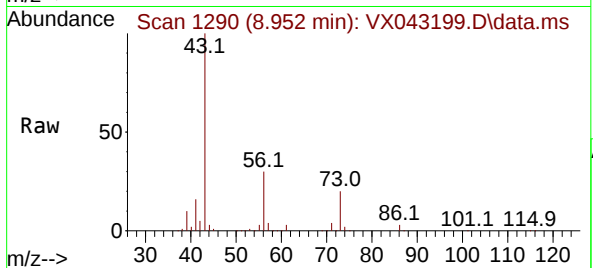
ClientSampleId :

Tgt Ion: 75 Resp: 472

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#



#54

cis-1,3-Dichloropropene

Concen: 13.721 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043199.D

Acq: 30 Sep 2024 15:28

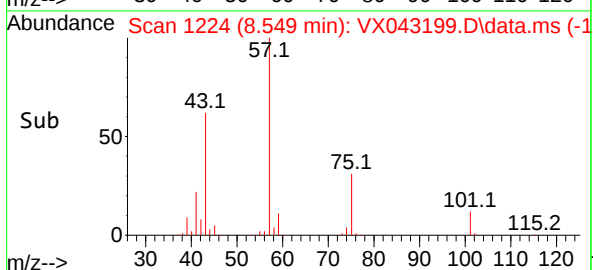
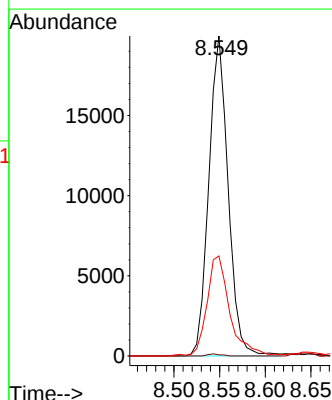
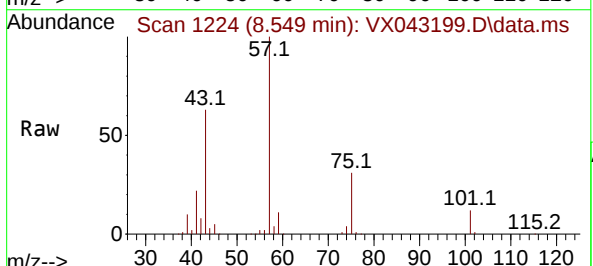
Tgt Ion: 75 Resp: 29258

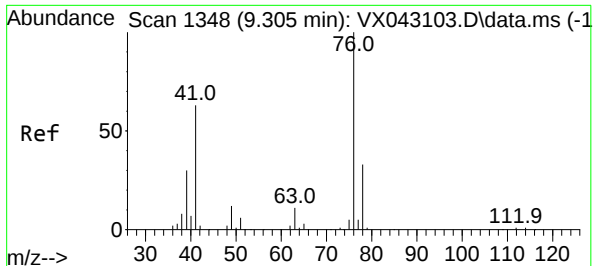
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 30.8 43.8 65.8#

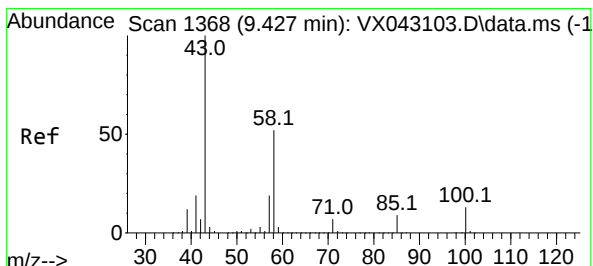
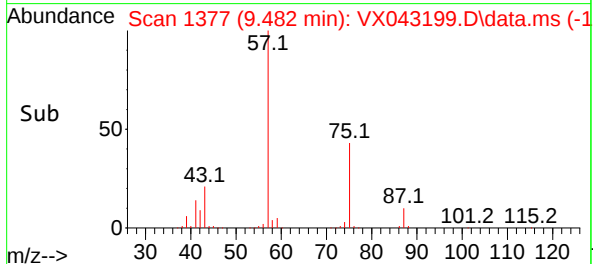
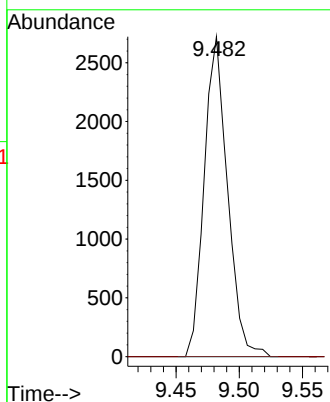
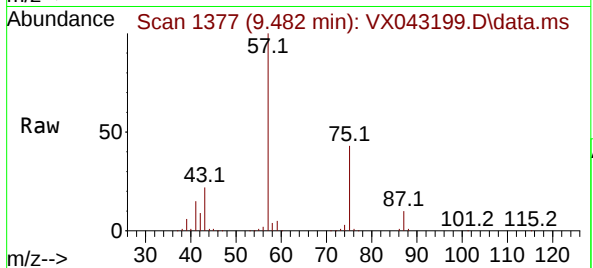




#57
1,3-Dichloropropane
Concen: 1.624 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

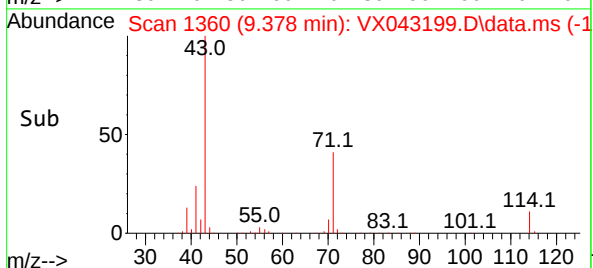
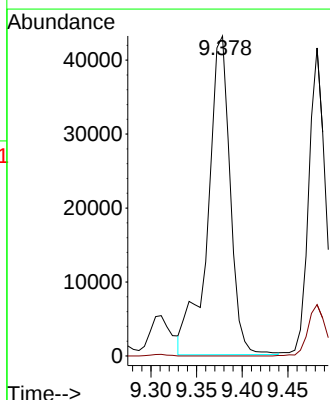
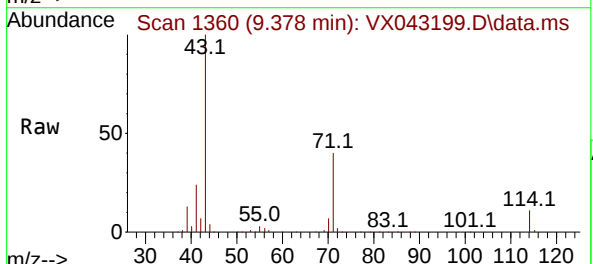
Instrument :
MSVOA_X
ClientSampleId :

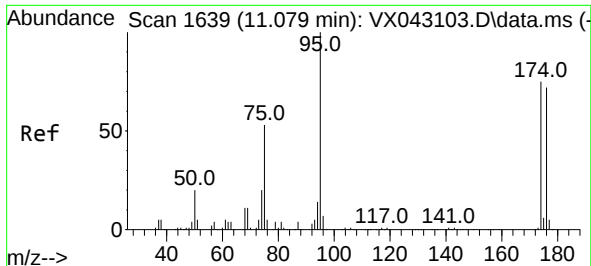
Tgt Ion: 76 Resp: 3492
Ion Ratio Lower Upper
76 100
78 0.0 26.5 39.7#



#59
2-Hexanone
Concen: 45.000 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 43 Resp: 73300
Ion Ratio Lower Upper
43 100
58 0.0 26.1 78.2#

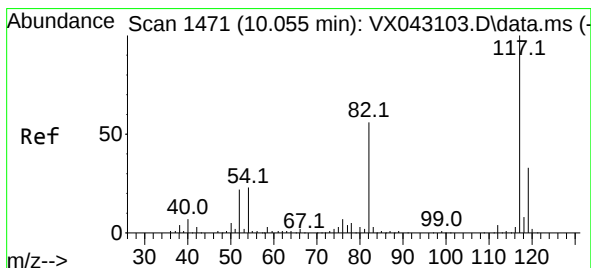
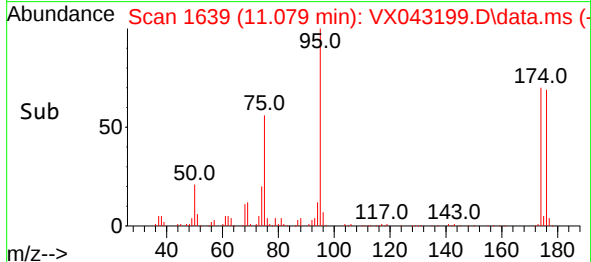
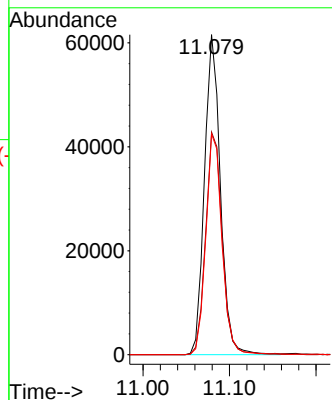
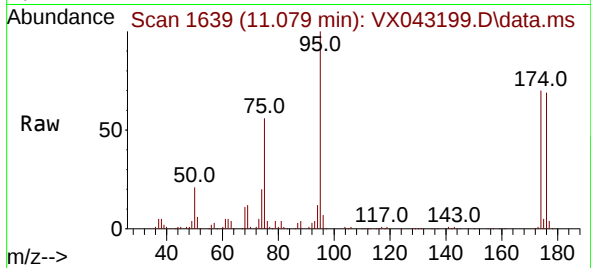




#62
4-Bromofluorobenzene
Concen: 43.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

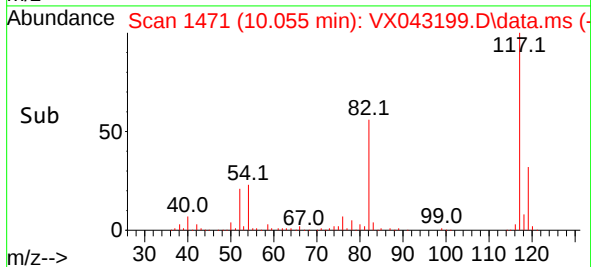
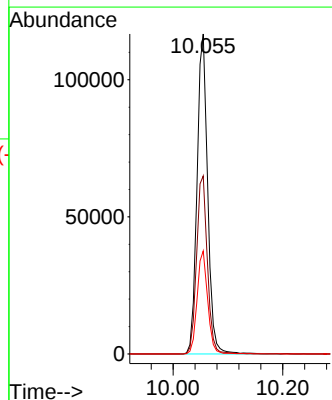
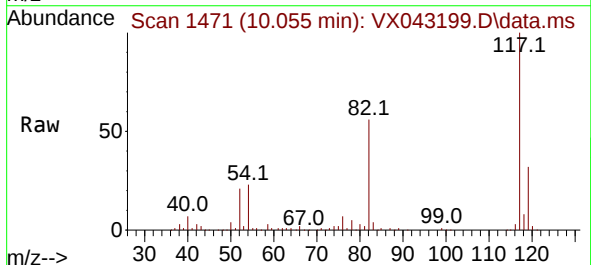
Instrument :
MSVOA_X
ClientSampleId :

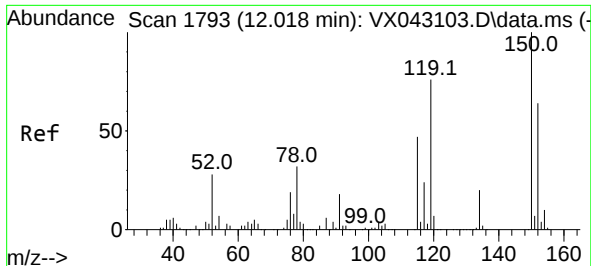
Tgt Ion: 95 Resp: 78807
Ion Ratio Lower Upper
95 100
174 72.2 0.0 146.0
176 70.1 0.0 142.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

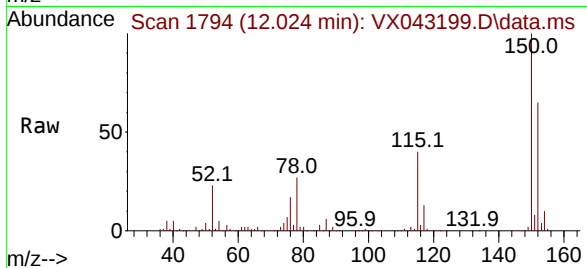
Tgt Ion: 117 Resp: 157859
Ion Ratio Lower Upper
117 100
82 55.7 44.7 67.1
119 32.2 26.3 39.5



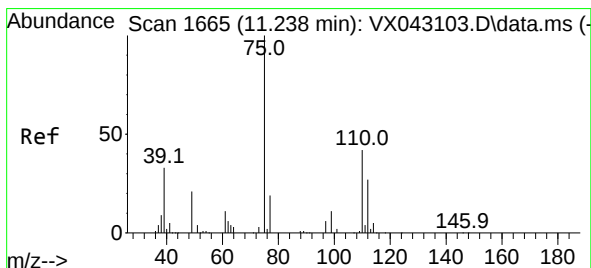
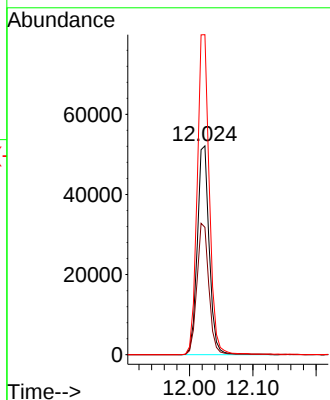
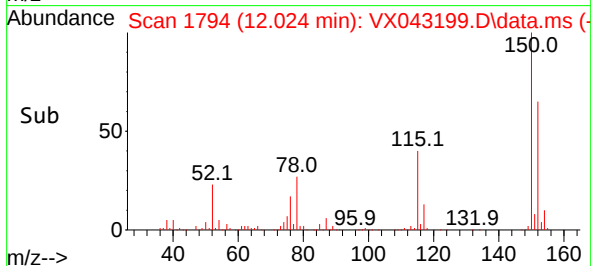


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Instrument :
MSVOA_X
ClientSampleId :

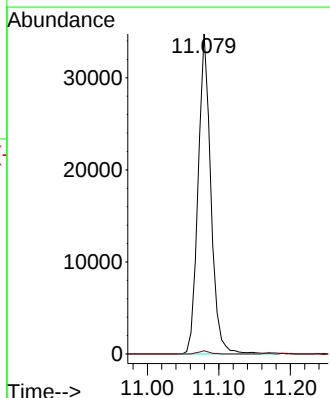
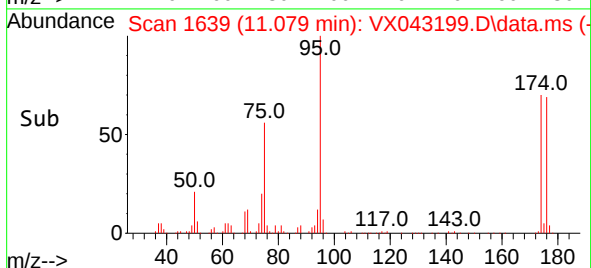
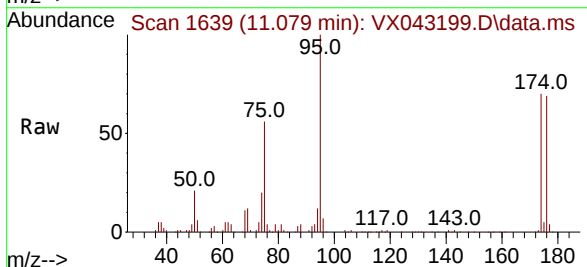


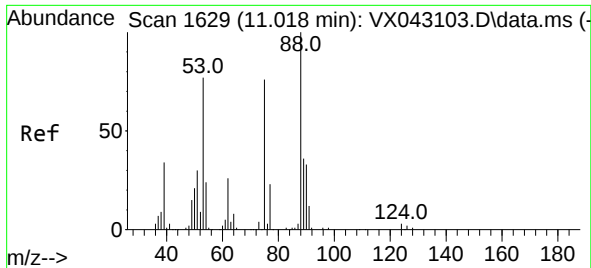
Tgt Ion:152 Resp: 68423
Ion Ratio Lower Upper
152 100
115 63.2 43.7 131.1
150 155.9 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 29.527 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

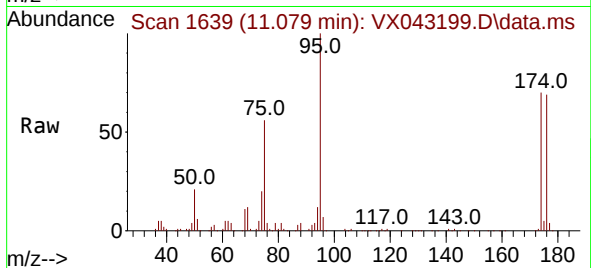
Tgt Ion: 75 Resp: 42953
Ion Ratio Lower Upper
75 100
77 0.9 21.9 65.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.350 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043199.D
Acq: 30 Sep 2024 15:28

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 42953
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#

