

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044987.D
 Acq On : 18 Feb 2025 15:00
 Operator : JC/MD
 Sample : PB166736TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 19 06:13:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

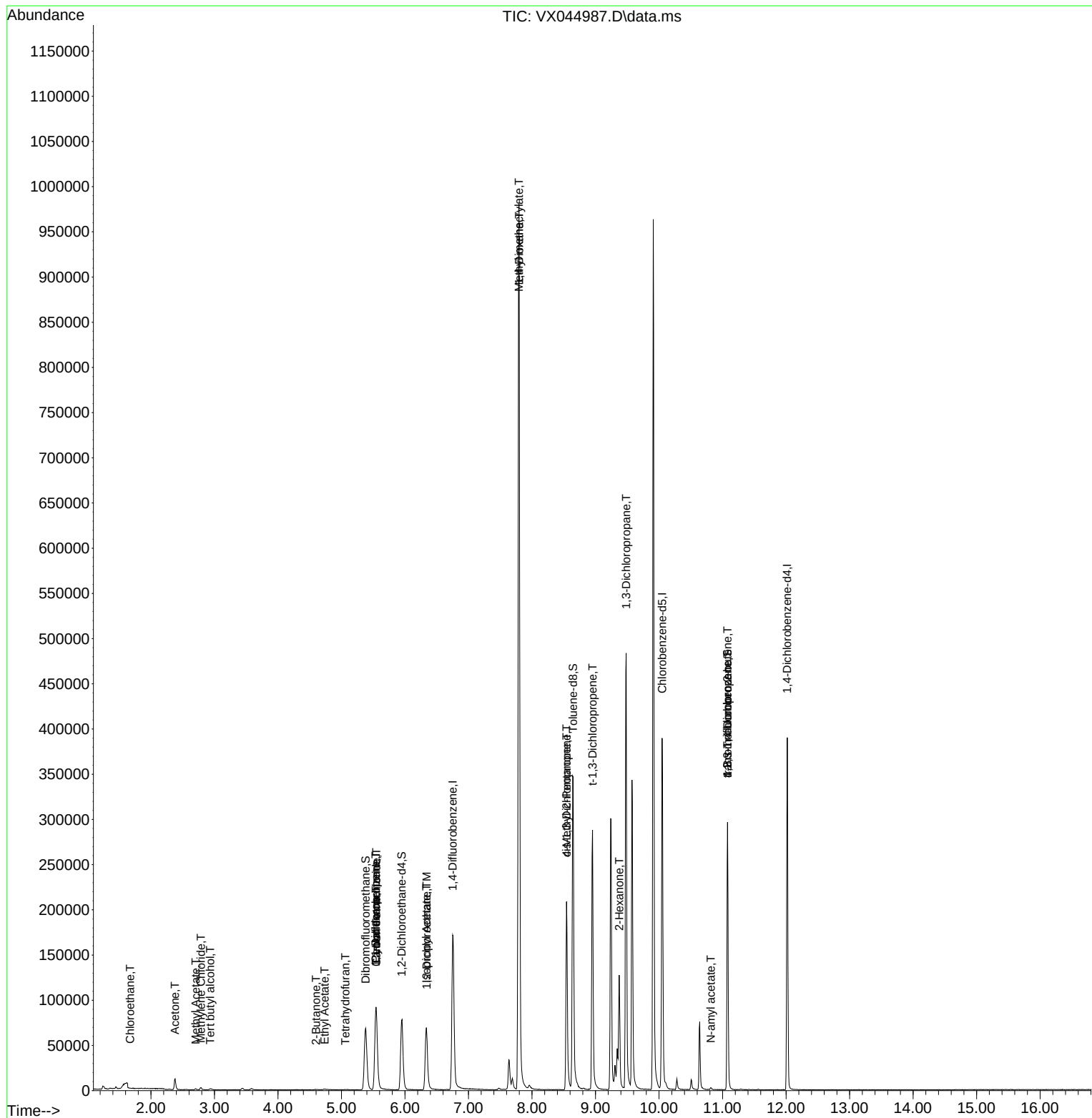
Internal Standards						
1) Pentafluorobenzene	5.544	168	87489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	181371	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73640	57.501	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.000%	
35) Dibromofluoromethane	5.379	113	60613	51.401	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.800%	
50) Toluene-d8	8.647	98	226055	50.695	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	11.079	95	78509	52.226	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.460%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	163	1.574	ug/l #	42
11) Tert butyl alcohol	2.934	59	834	3.510	ug/l #	73
16) Acetone	2.380	43	13006	25.262	ug/l	100
18) Methyl Acetate	2.703	43	1509	0.929	ug/l #	88
20) Methylene Chloride	2.788	84	1145	0.908	ug/l	93
25) 2-Butanone	4.599	43	951	1.138	ug/l #	48
29) Tetrahydrofuran	5.062	42	230	0.414	ug/l #	33
31) Cyclohexane	5.544	56	2161	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	7682	4.515	ug/l #	49
37) Ethyl Acetate	4.733	43	1806	0.954	ug/l #	82
38) Carbon Tetrachloride	5.550	117	9509	5.704	ug/l #	14
42) 1,2-Dichloroethane	6.342	62	416	0.246	ug/l #	74
43) Isopropyl Acetate	6.336	43	99664	32.615	ug/l	98
48) Methyl methacrylate	7.793	41	87847	60.969	ug/l #	43
49) 1,4-Dioxane	7.799	88	64	2.070	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	78095	42.037	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	638	0.355	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	33926	16.943	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	4633	2.177	ug/l #	42
59) 2-Hexanone	9.372	43	99784	74.548	ug/l #	24
74) N-amyl acetate	10.817	43	725	0.267	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	42419	25.625	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	42419	65.918	ug/l #	11

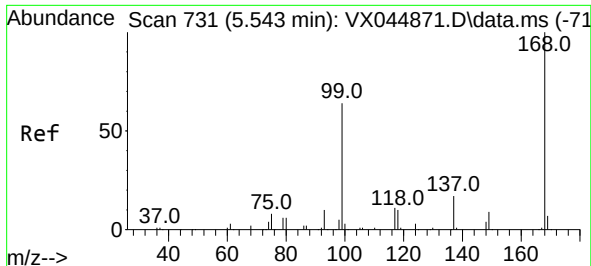
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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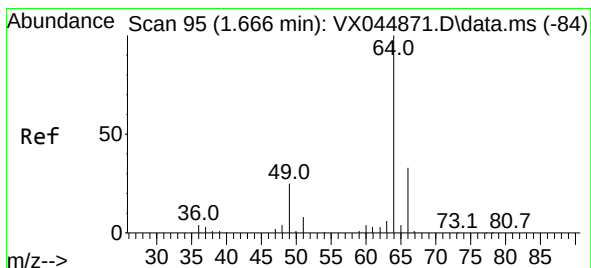
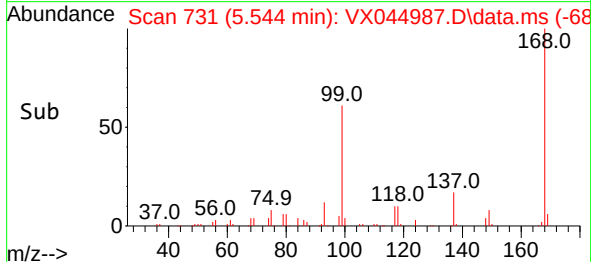
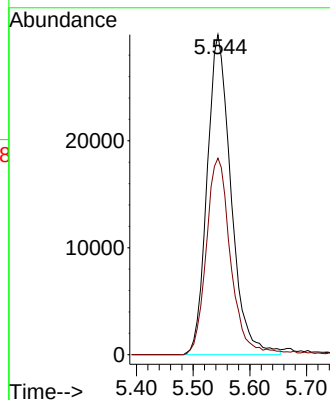
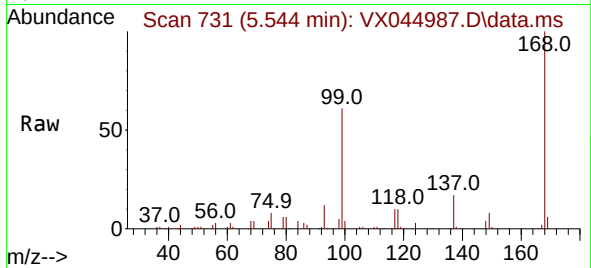




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

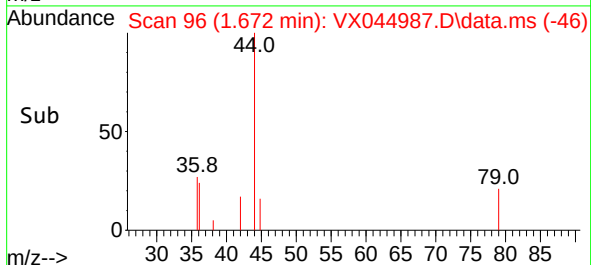
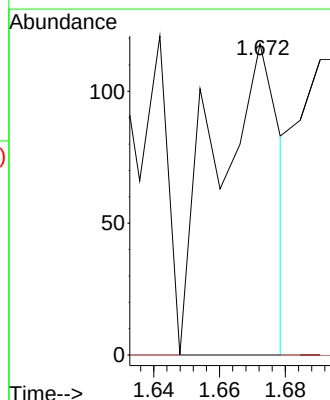
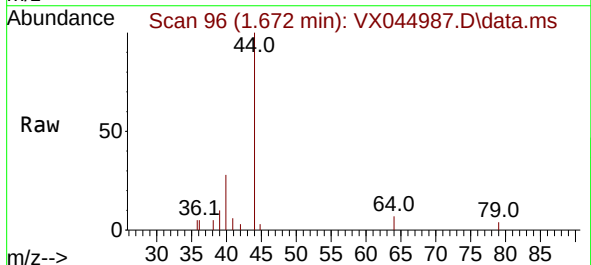
Instrument :
MSVOA_X
ClientSampleId :

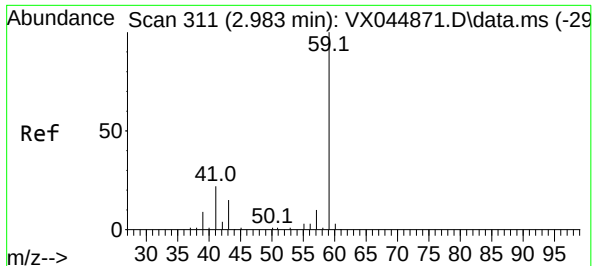
Tgt Ion:168 Resp: 87489
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8



#6
Chloroethane
Concen: 1.574 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 64 Resp: 163
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

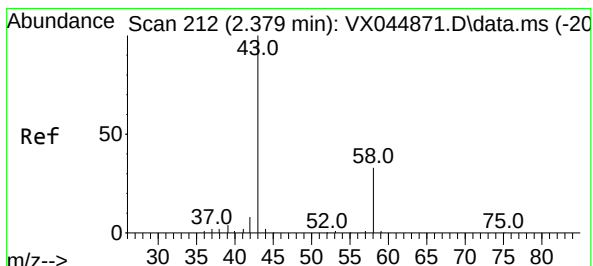
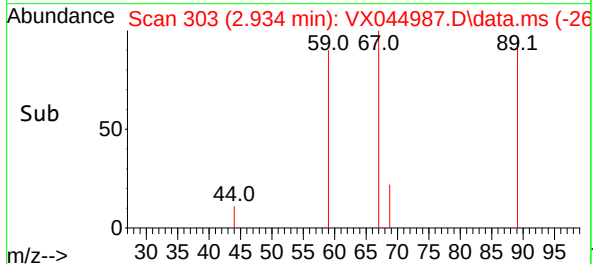
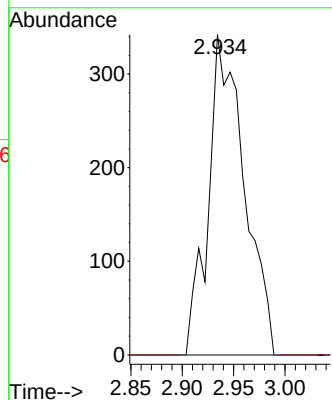
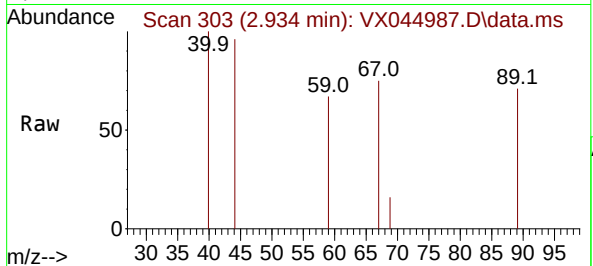




#11
Tert butyl alcohol
Concen: 3.510 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

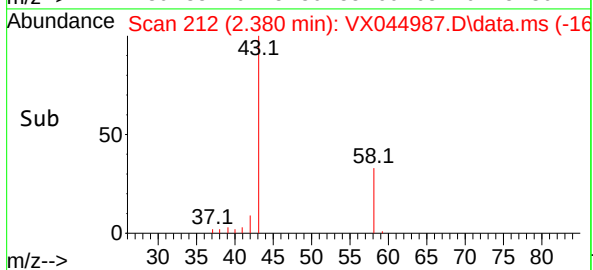
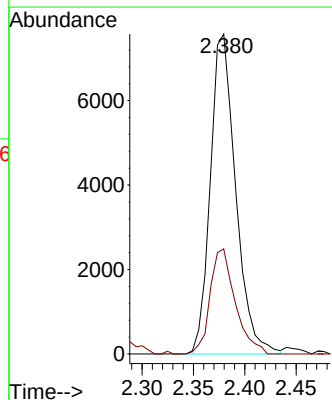
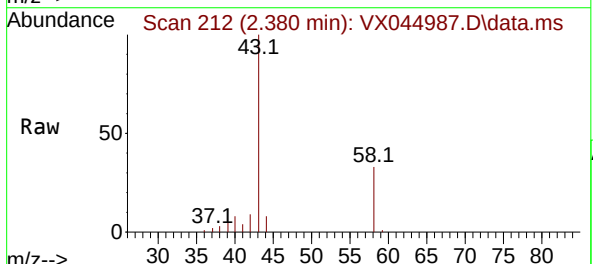
Instrument :
MSVOA_X
ClientSampleId :

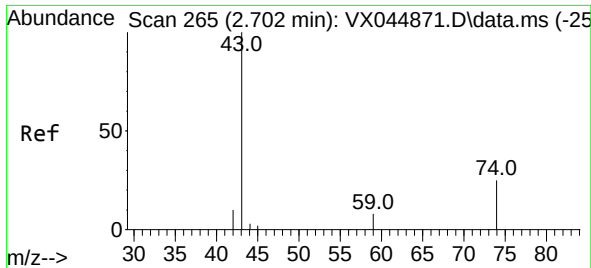
Tgt Ion: 59 Resp: 834
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 25.262 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 43 Resp: 13006
Ion Ratio Lower Upper
43 100
58 32.9 26.5 39.7

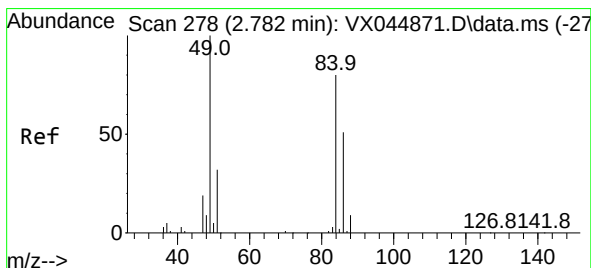
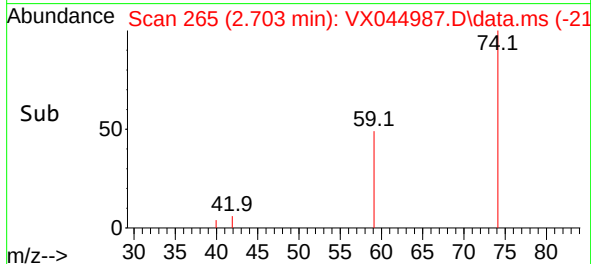
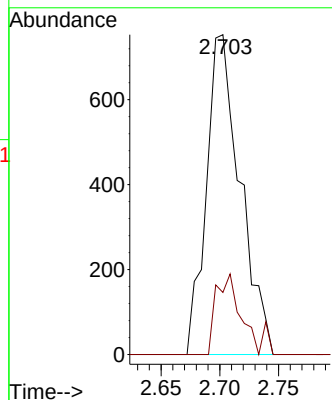
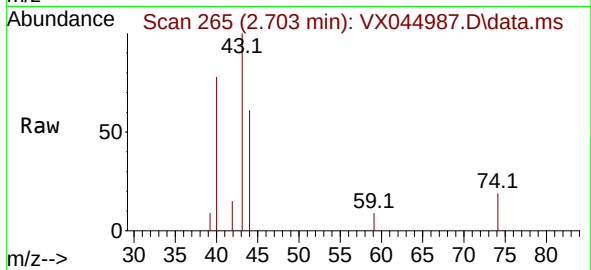




#18
Methyl Acetate
Concen: 0.929 ug/l
RT: 2.703 min Scan# 210
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

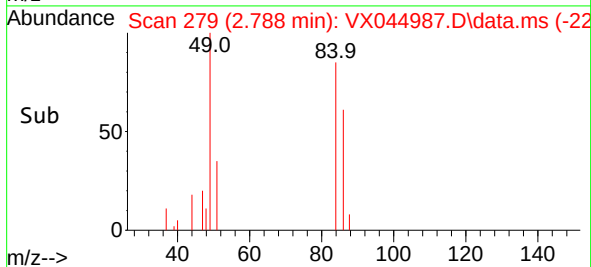
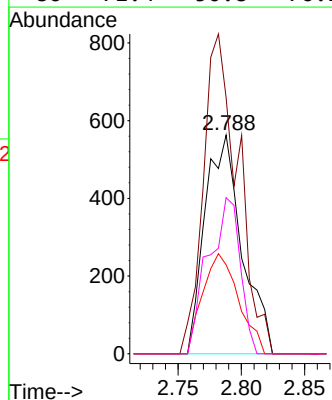
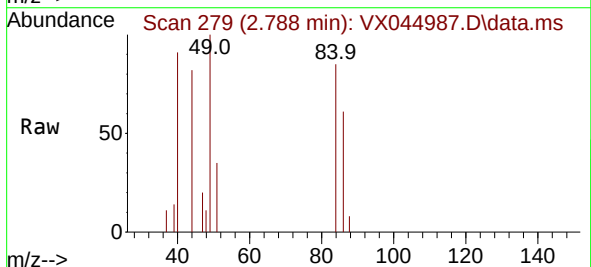
Instrument :
MSVOA_X
ClientSampleId :

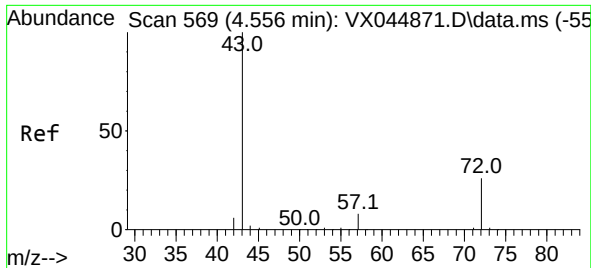
Tgt Ion: 43 Resp: 1509
Ion Ratio Lower Upper
43 100
74 17.9 18.9 28.3#



#20
Methylene Chloride
Concen: 0.908 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 84 Resp: 1145
Ion Ratio Lower Upper
84 100
49 117.1 100.1 150.1
51 40.7 31.7 47.5
86 71.4 50.8 76.2

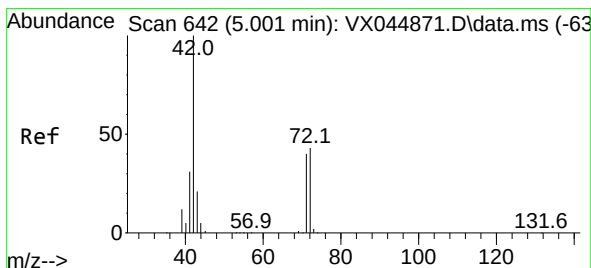
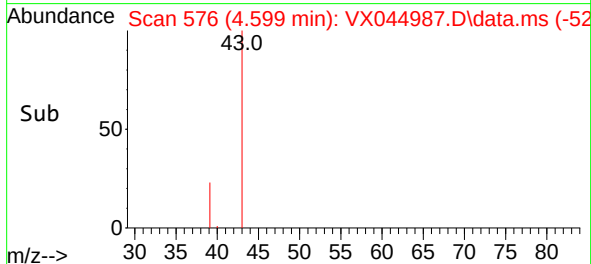
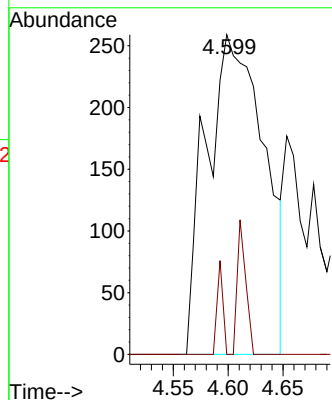
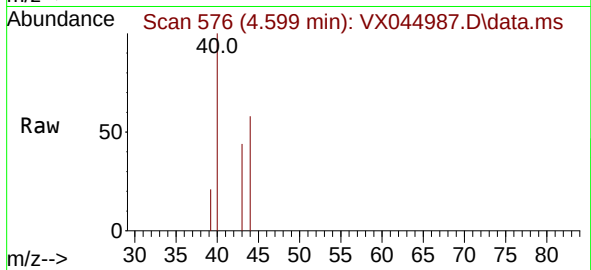




#25
2-Butanone
Concen: 1.138 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

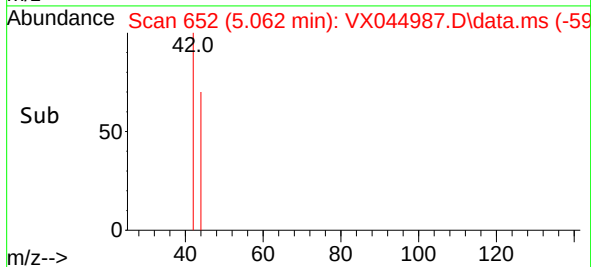
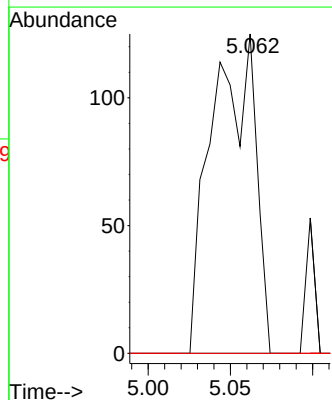
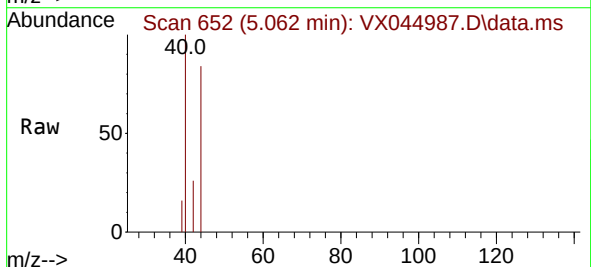
Instrument :
MSVOA_X
ClientSampleId :

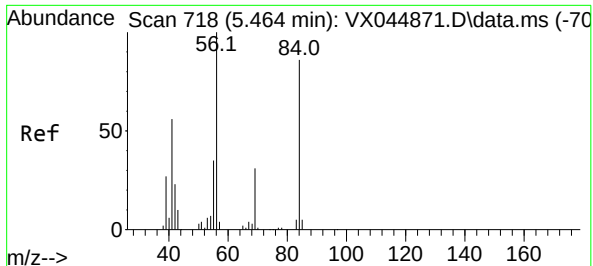
Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.414 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.061 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

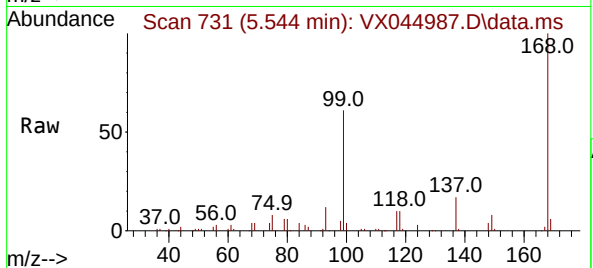
Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.6 48.8#



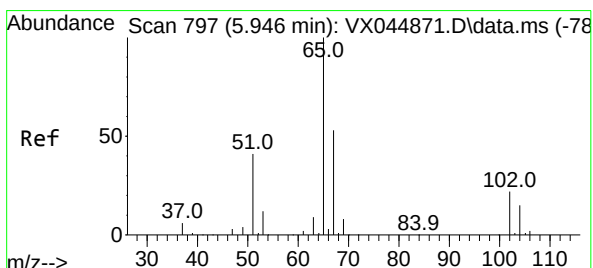
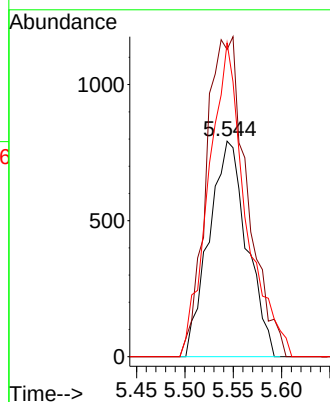
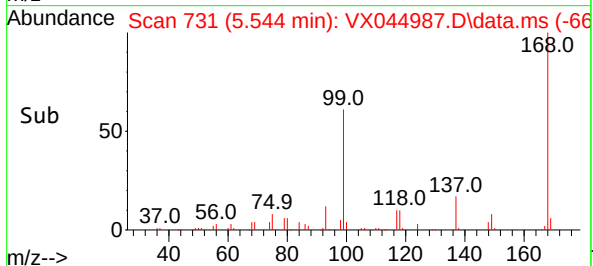


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Instrument :
MSVOA_X
ClientSampleId :

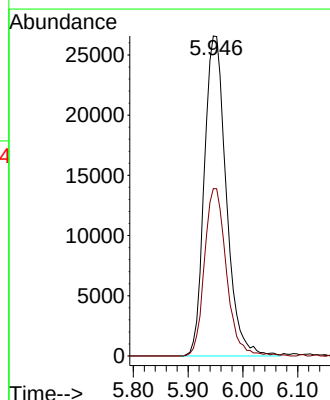
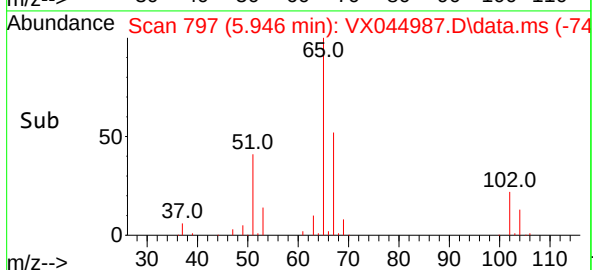
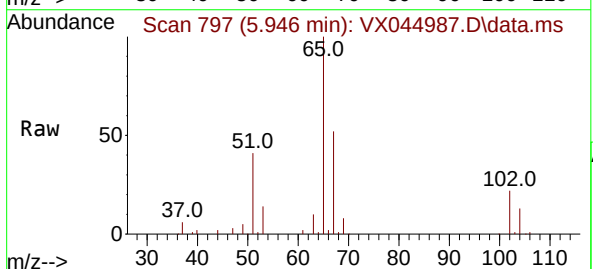


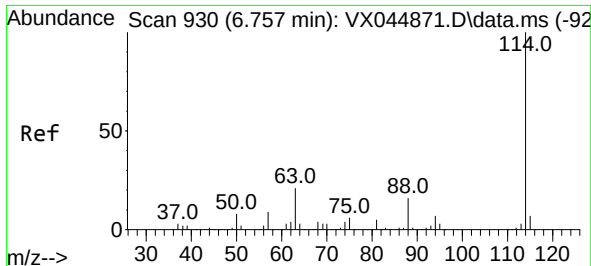
Tgt Ion: 56 Resp: 2161
Ion Ratio Lower Upper
56 100
69 142.6 24.4 36.6#
84 145.6 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 57.501 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 65 Resp: 73640
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2

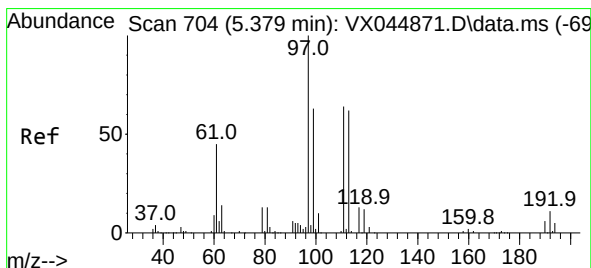
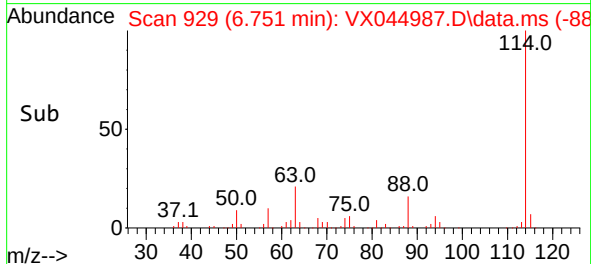
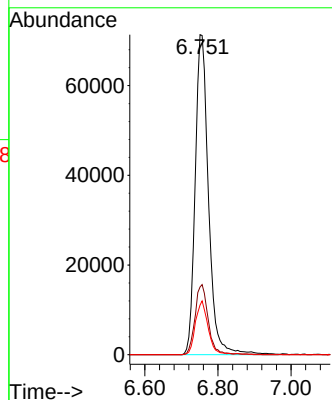
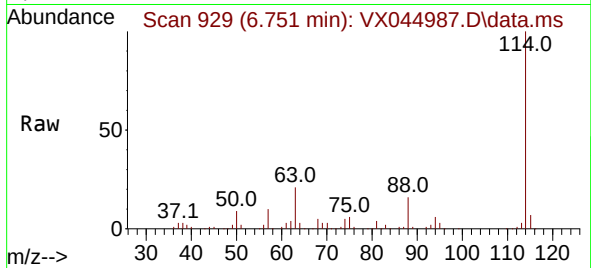




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

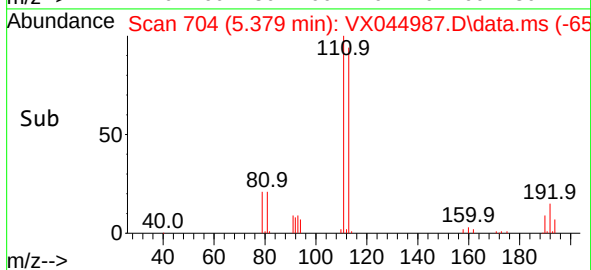
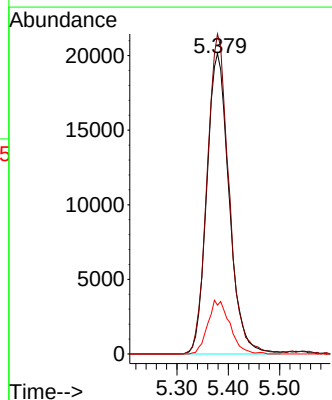
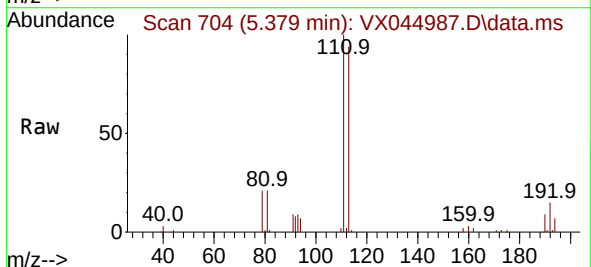
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MSVOA_X
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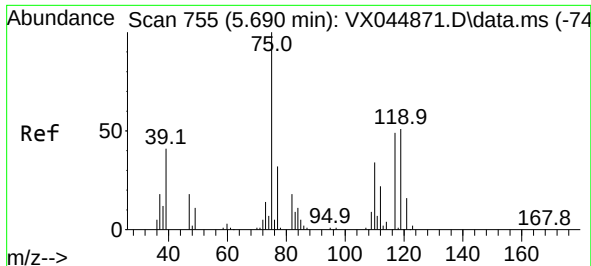
Tgt Ion:114 Resp: 181371
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 15.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.401 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

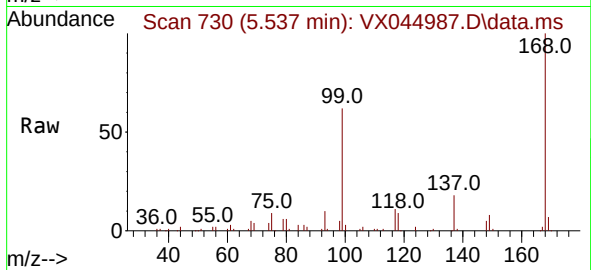
Tgt Ion:113 Resp: 60613
Ion Ratio Lower Upper
113 100
111 104.5 83.5 125.3
192 17.6 14.4 21.6



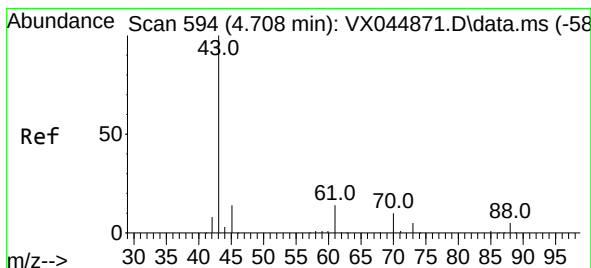
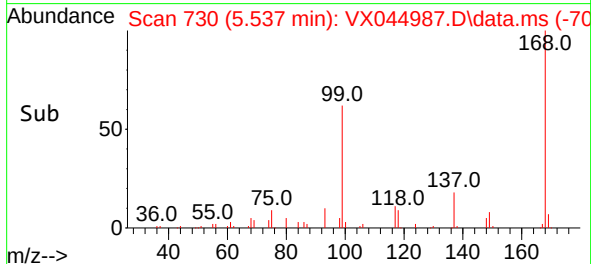
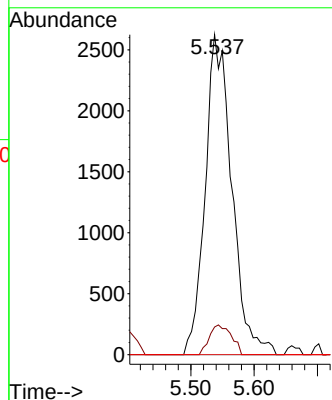


#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Instrument :
MSVOA_X
ClientSampleId :

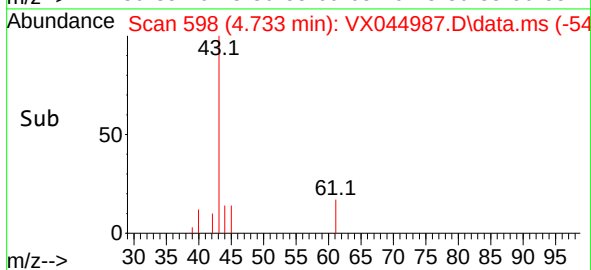
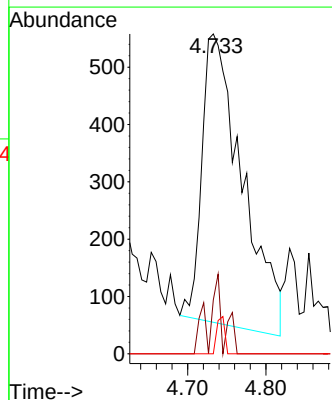
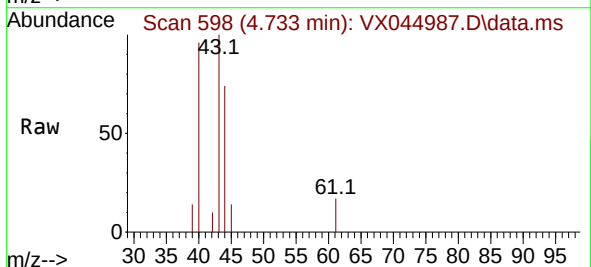


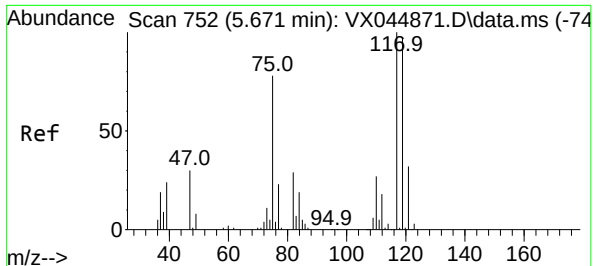
Tgt Ion: 75 Resp: 7682
Ion Ratio Lower Upper
75 100
110 7.6 17.2 51.6#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.954 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.025 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

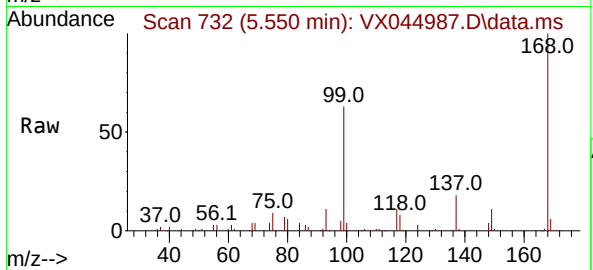
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
61 7.3 11.0 16.4#
70 2.5 8.2 12.2#



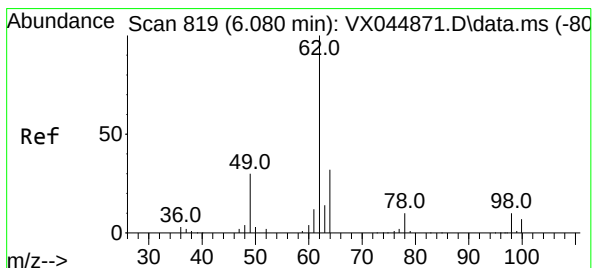
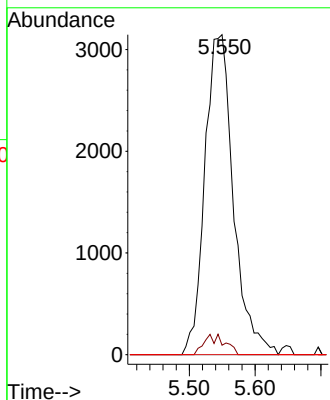
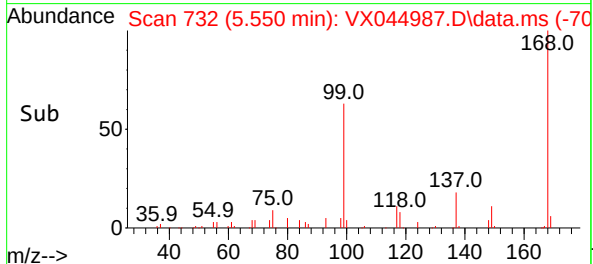


#38
Carbon Tetrachloride
Concen: 5.704 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Instrument :
MSVOA_X
ClientSampleId :

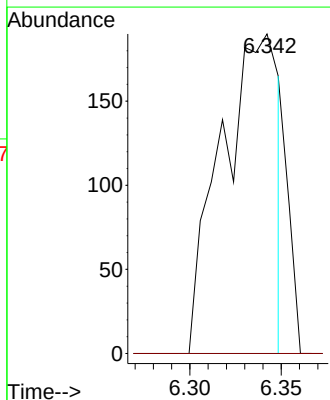
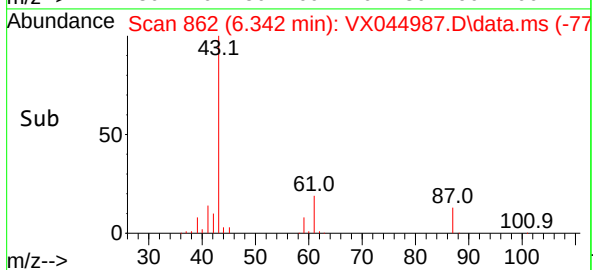
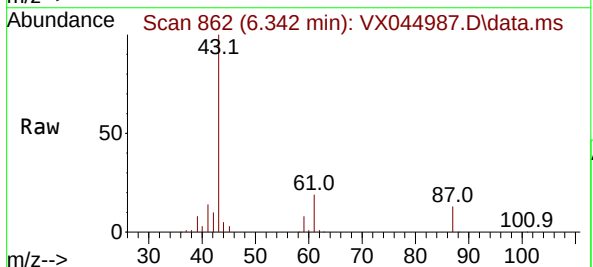


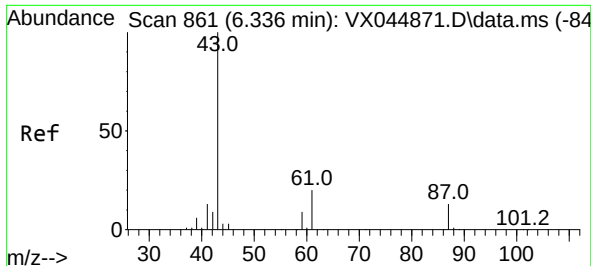
Tgt Ion:117 Resp: 9509
Ion Ratio Lower Upper
117 100
119 3.0 77.5 116.3#
121 0.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 0.246 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.262 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 62 Resp: 416
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

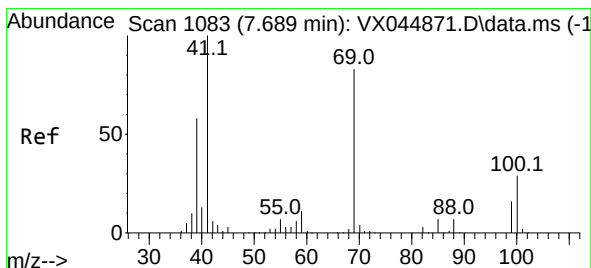
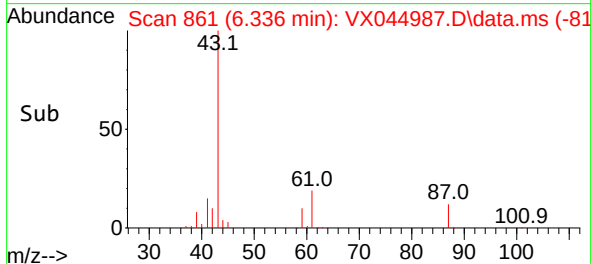
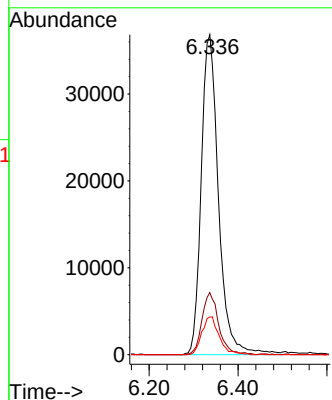
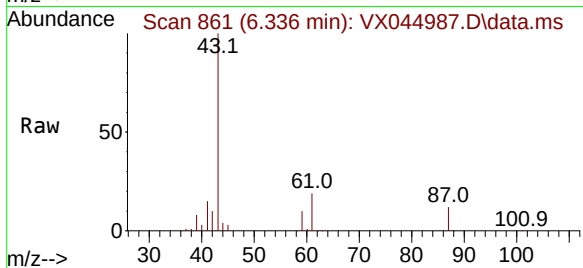




#43
Isopropyl Acetate
Concen: 32.615 ug/l
RT: 6.336 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

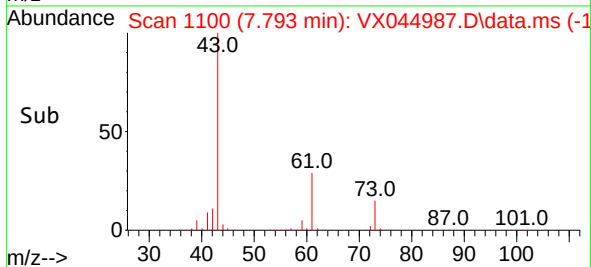
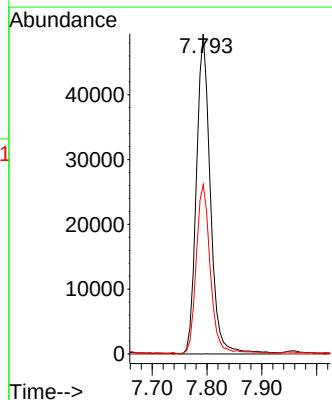
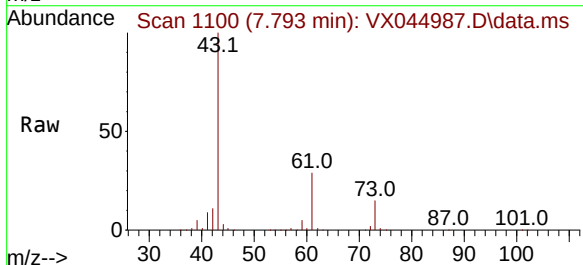
Instrument :
MSVOA_X
ClientSampleId :

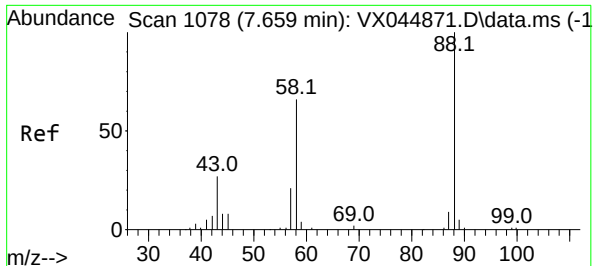
Tgt Ion: 43 Resp: 99664
Ion Ratio Lower Upper
43 100
61 18.8 15.8 23.8
87 11.9 10.0 15.0



#48
Methyl methacrylate
Concen: 60.969 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 41 Resp: 87847
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 53.1 46.4 69.6





#49

1,4-Dioxane

Concen: 2.070 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX044987.D

Acq: 18 Feb 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

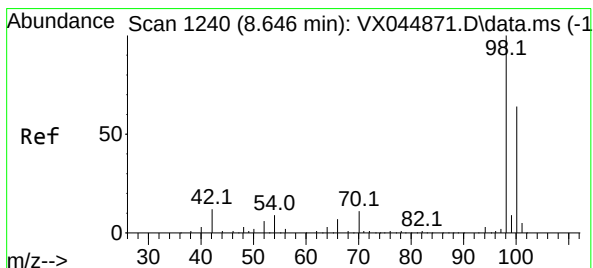
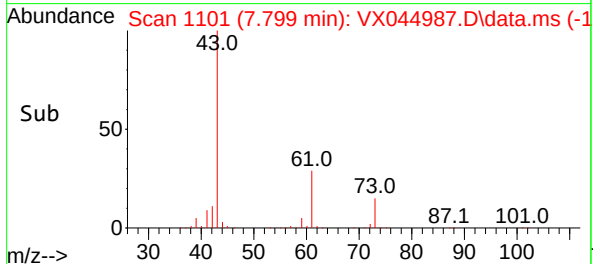
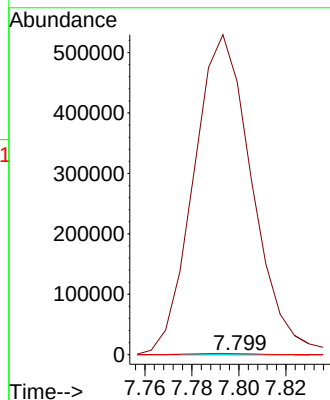
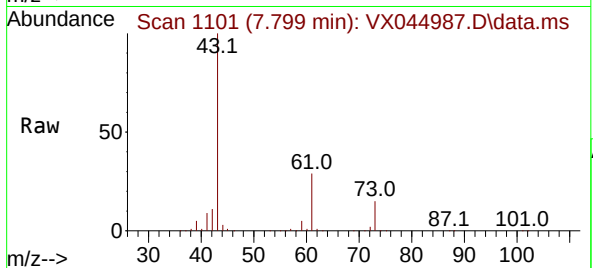
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 1464545.3 26.6 39.8#

58 6212.5 55.9 83.9#



#50

Toluene-d8

Concen: 50.695 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044987.D

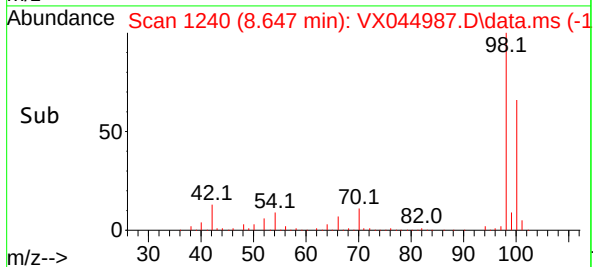
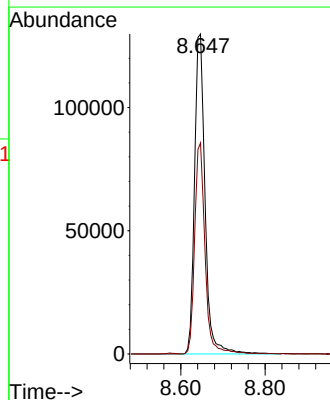
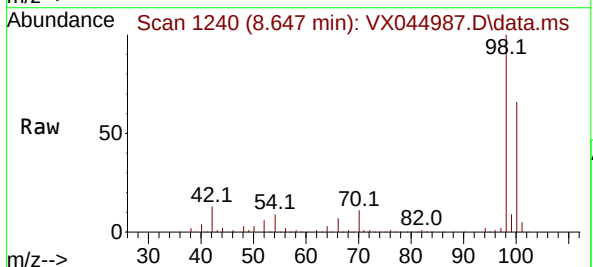
Acq: 18 Feb 2025 15:00

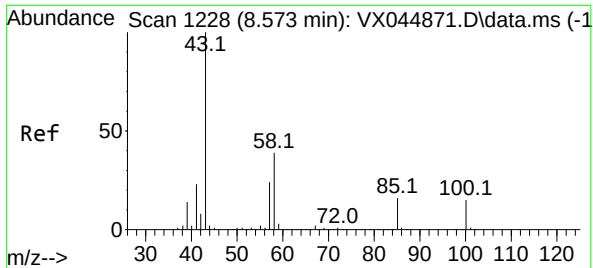
Tgt Ion: 98 Resp: 226055

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1

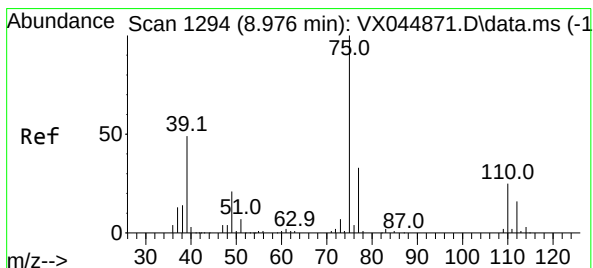
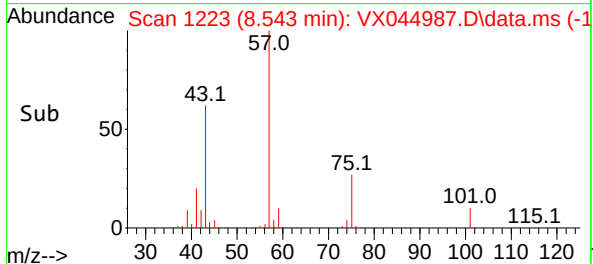
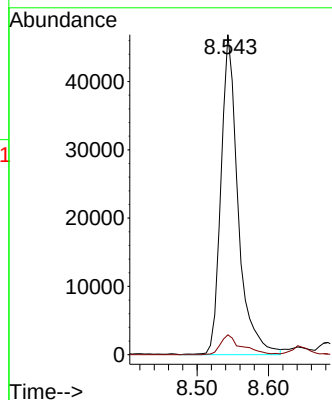
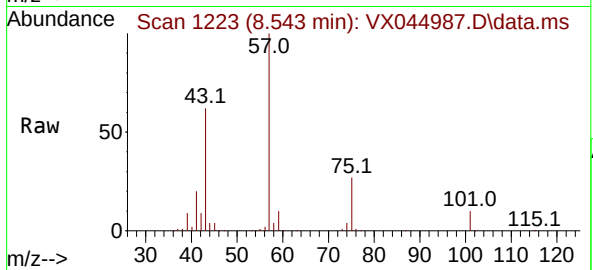




#51
4-Methyl-2-Pentanone
Concen: 42.037 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

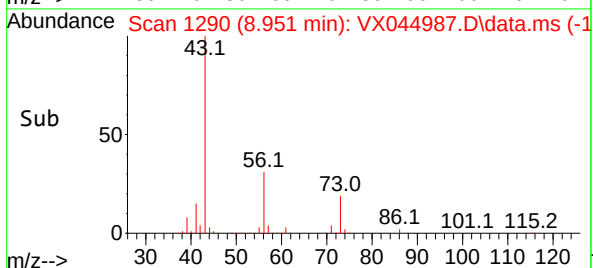
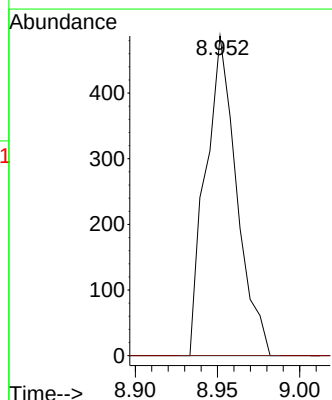
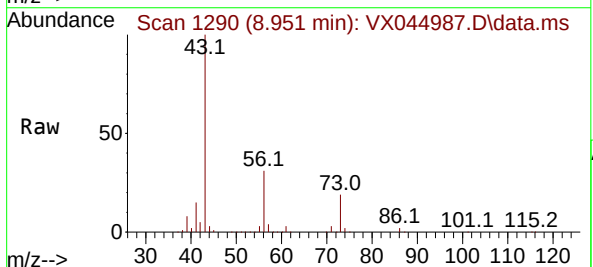
Instrument :
MSVOA_X
ClientSampleId :

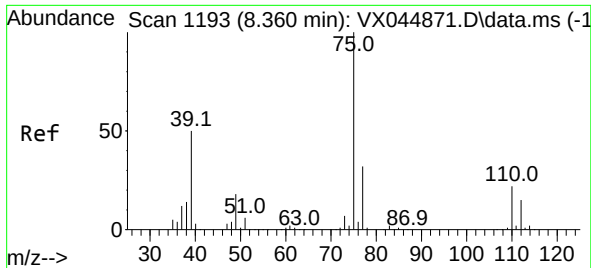
Tgt Ion: 43 Resp: 78095
Ion Ratio Lower Upper
43 100
58 7.5 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.355 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 75 Resp: 638
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

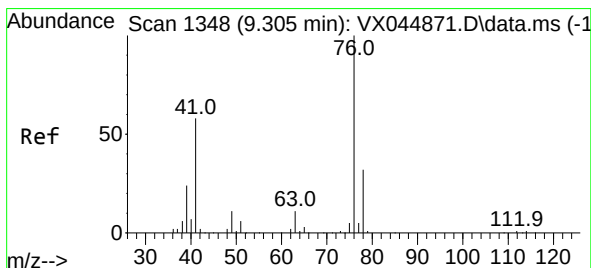
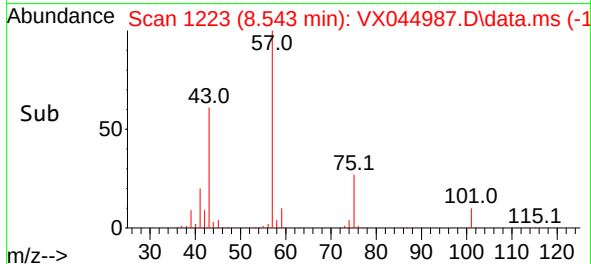
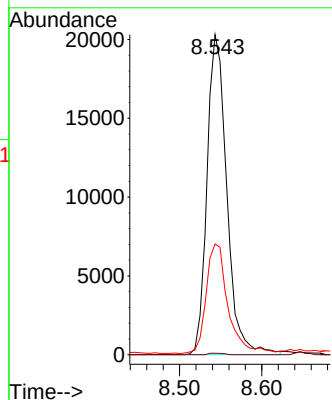
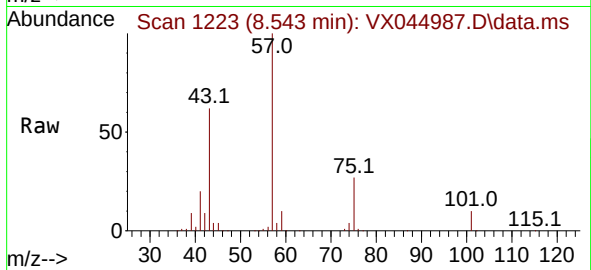




#54
 cis-1,3-Dichloropropene
 Concen: 16.943 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044987.D
 Acq: 18 Feb 2025 15:00

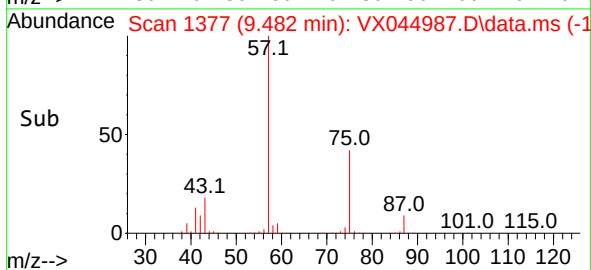
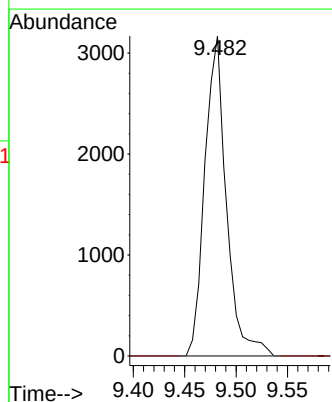
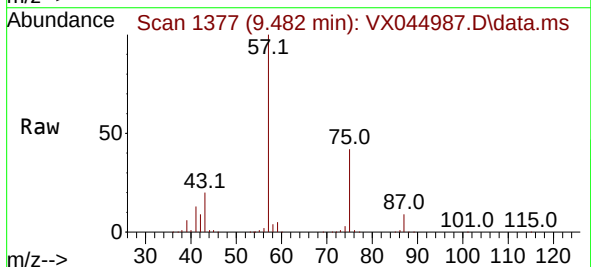
Instrument :
 MSVOA_X
 ClientSampleId :

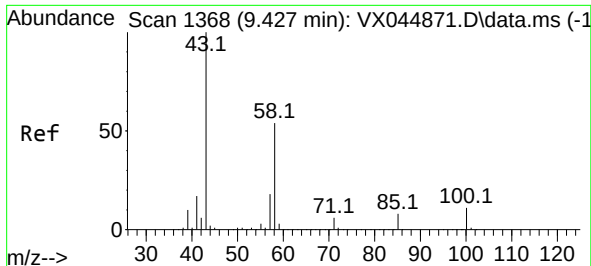
Tgt Ion: 75 Resp: 33926
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.2 40.0 60.0#



#57
 1,3-Dichloropropane
 Concen: 2.177 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX044987.D
 Acq: 18 Feb 2025 15:00

Tgt Ion: 76 Resp: 4633
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

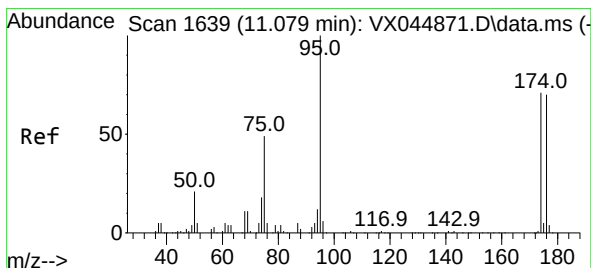
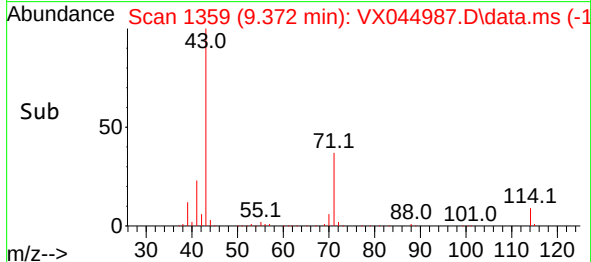
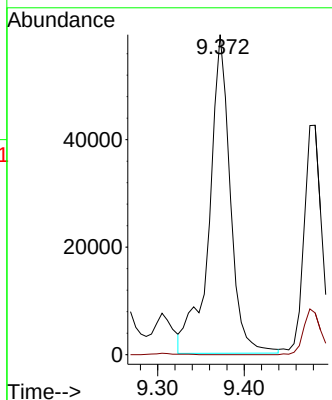
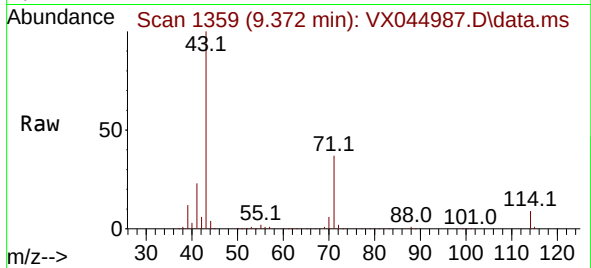




#59
2-Hexanone
Concen: 74.548 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

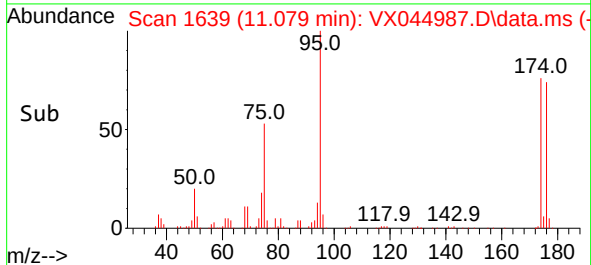
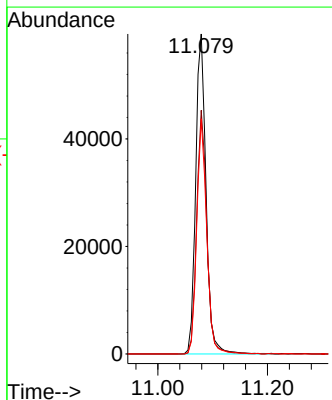
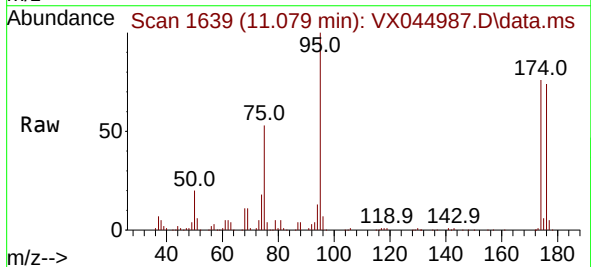
Instrument :
MSVOA_X
ClientSampleId :

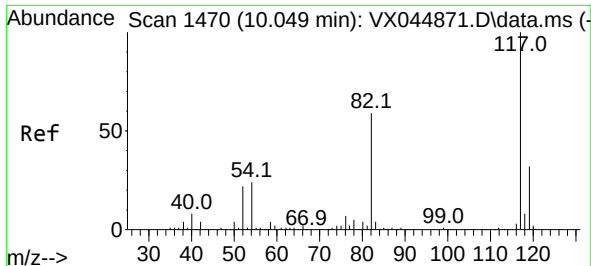
Tgt Ion: 43 Resp: 99784
Ion Ratio Lower Upper
43 100
58 0.0 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 52.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion: 95 Resp: 78509
Ion Ratio Lower Upper
95 100
174 74.9 0.0 142.6
176 70.7 0.0 141.6

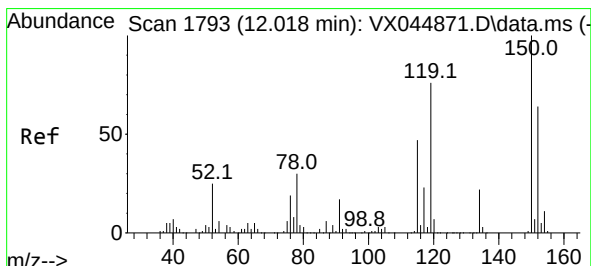
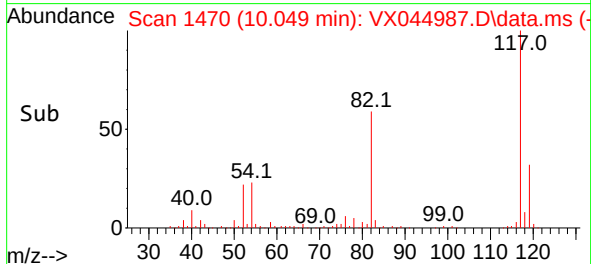
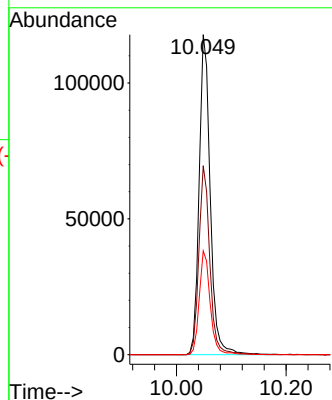
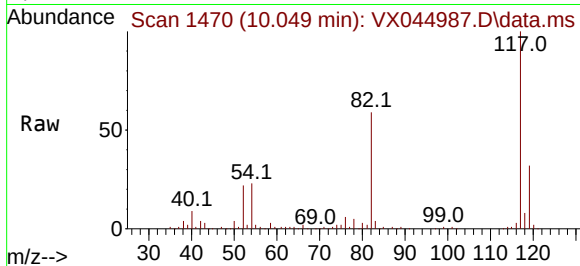




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

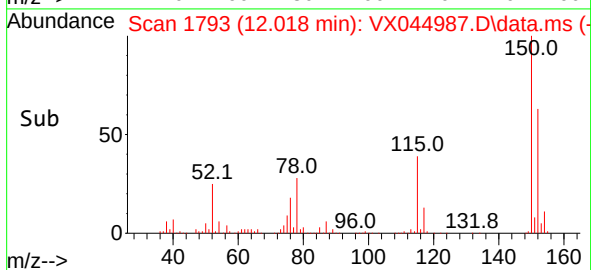
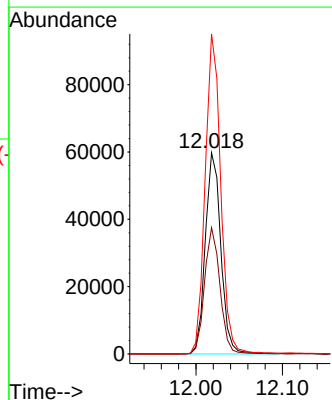
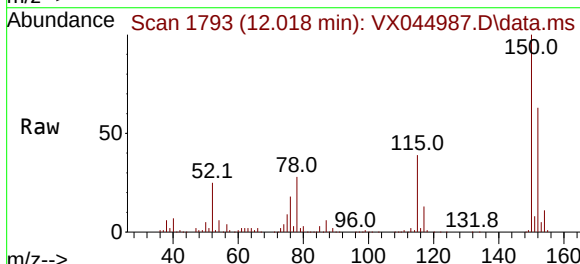
Instrument :
MSVOA_X
ClientSampleId :

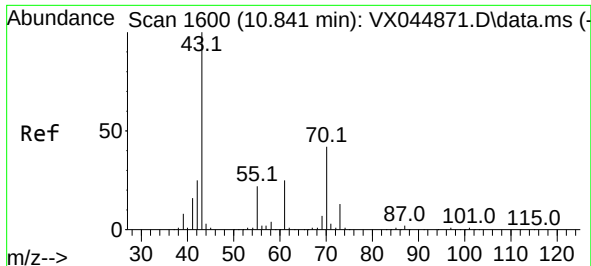
Tgt Ion:117 Resp: 166027
Ion Ratio Lower Upper
117 100
82 59.1 47.5 71.3
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

Tgt Ion:152 Resp: 74662
Ion Ratio Lower Upper
152 100
115 62.2 43.4 130.1
150 159.0 0.0 350.4

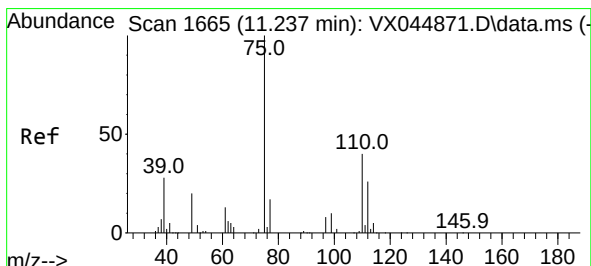
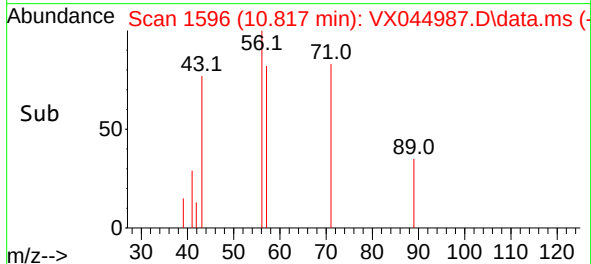
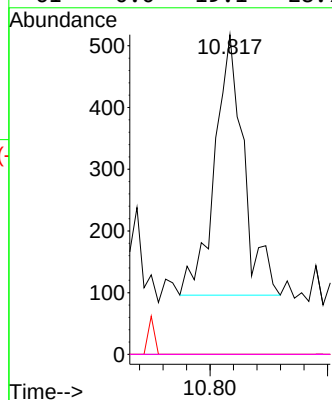
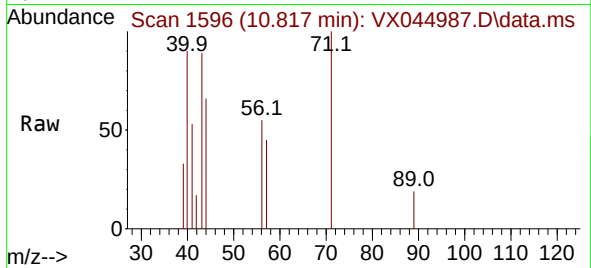




#74
N-amy1 acetate
Concen: 0.267 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

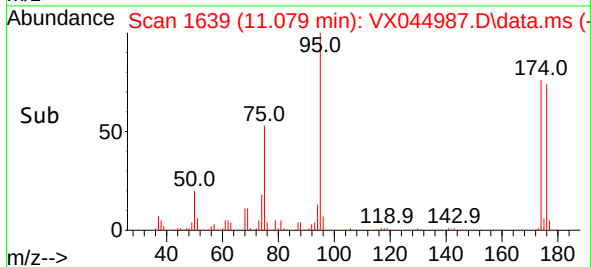
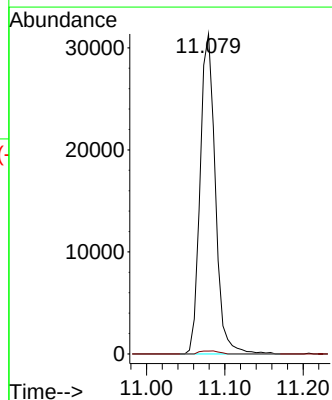
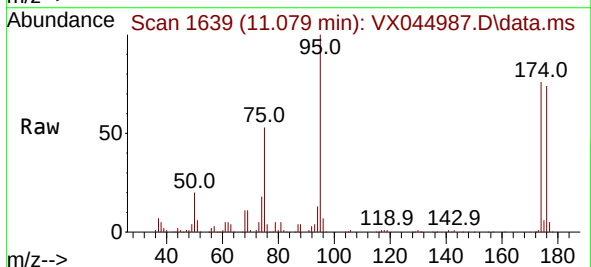
Instrument :
MSVOA_X
ClientSampleId :

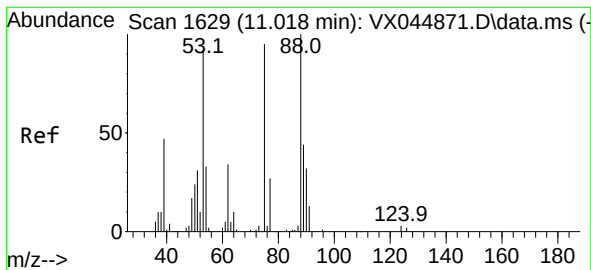
Tgt Ion: 43	Resp: 725
Ion Ratio	Lower Upper
43	100
70	0.0 33.7 50.5#
55	0.0 18.6 27.8#
61	0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 25.625 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044987.D
Acq: 18 Feb 2025 15:00

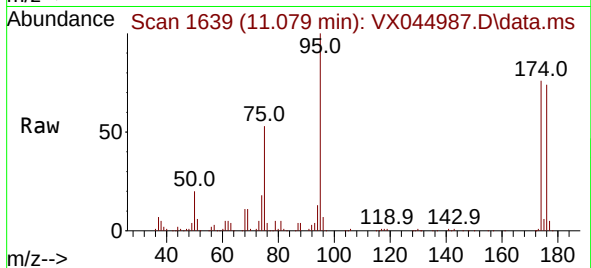
Tgt Ion: 75	Resp: 42419
Ion Ratio	Lower Upper
75	100
77	1.2 21.9 65.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.918 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044987.D
 Acq: 18 Feb 2025 15:00

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 42419
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 36.6 54.8#

