

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046691.D
 Acq On : 13 Jun 2025 15:57
 Operator : JC/MD
 Sample : Q2296-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Jun 13 23:31:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

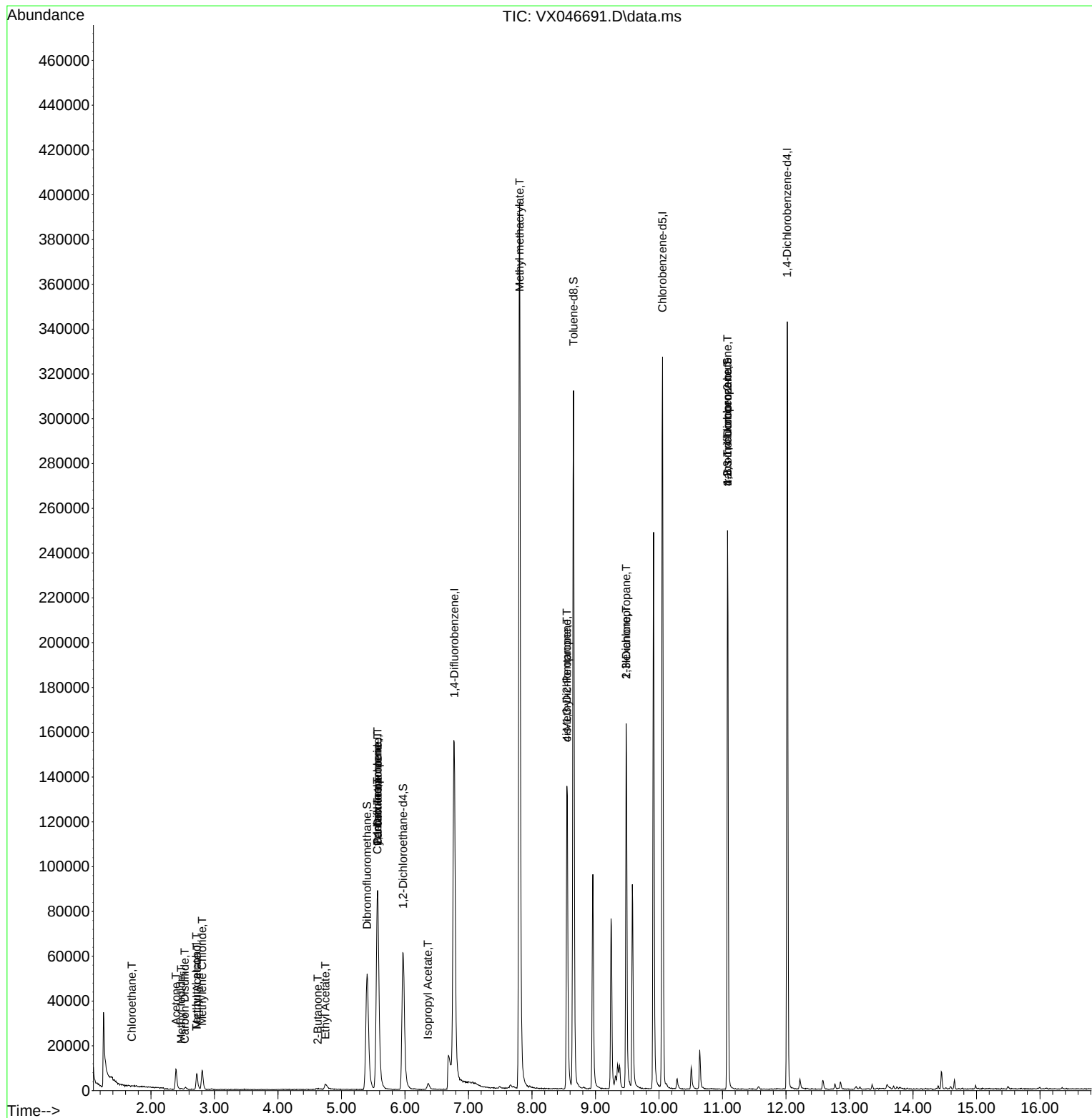
Internal Standards						
1) Pentafluorobenzene	5.568	168	85298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	154803	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	66829	44.038	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.080%
35) Dibromofluoromethane	5.404	113	49064	43.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.200%
50) Toluene-d8	8.653	98	179582	47.847	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.700%
62) 4-Bromofluorobenzene	11.079	95	68092	43.849	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.700%
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	357	0.512	ug/l #	44
10) Methyl Iodide	2.477	142	447	0.368	ug/l #	79
11) Tert butyl alcohol	2.715	59	757	4.496	ug/l #	72
16) Acetone	2.392	43	11360	23.307	ug/l	94
17) Carbon Disulfide	2.532	76	398	0.387	ug/l #	76
18) Methyl Acetate	2.721	43	10423	5.766	ug/l	100
20) Methylene Chloride	2.807	84	4337	3.562	ug/l	87
25) 2-Butanone	4.623	43	1136	1.345	ug/l	100
31) Cyclohexane	5.562	56	2016	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	7756	4.770	ug/l #	51
37) Ethyl Acetate	4.745	43	4826	3.041	ug/l #	86
38) Carbon Tetrachloride	5.568	117	9734	5.344	ug/l #	17
43) Isopropyl Acetate	6.361	43	4375	1.581	ug/l #	90
48) Methyl methacrylate	7.806	41	39103	27.468	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	52323	29.759	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	22535	12.368	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	1532	0.768	ug/l #	42
59) 2-Hexanone	9.482	43	21814	17.299	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	36604	25.226	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36604	72.768	ug/l #	1

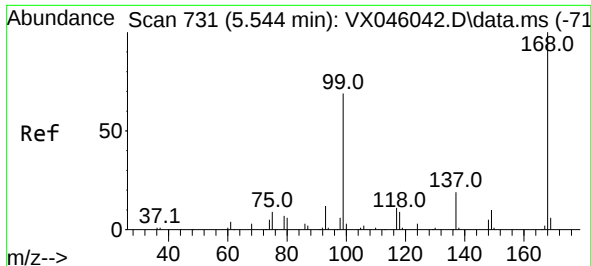
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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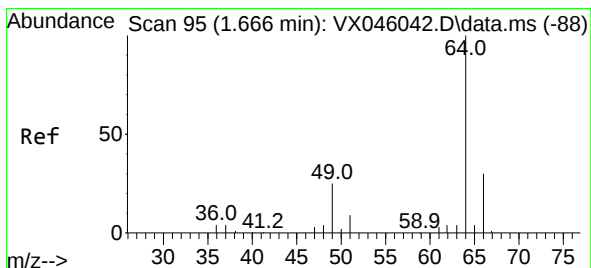
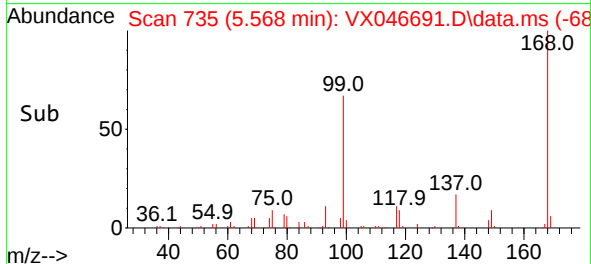
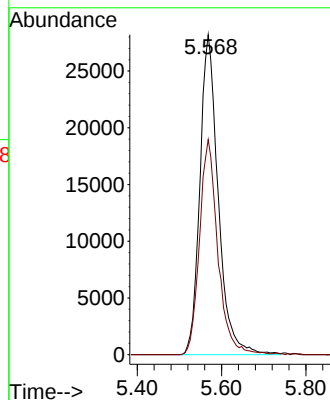
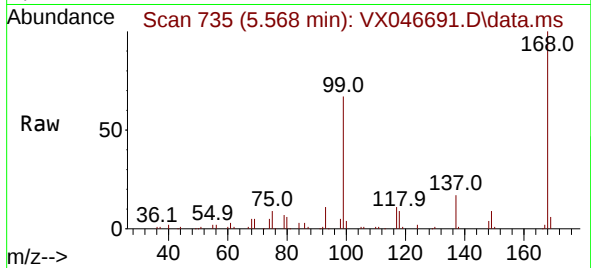




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

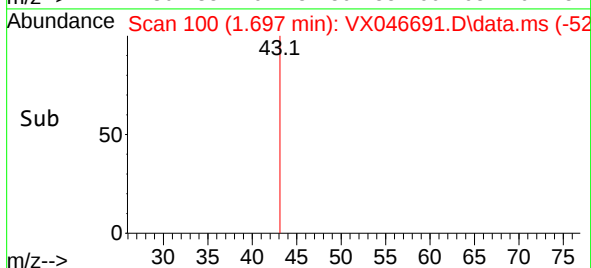
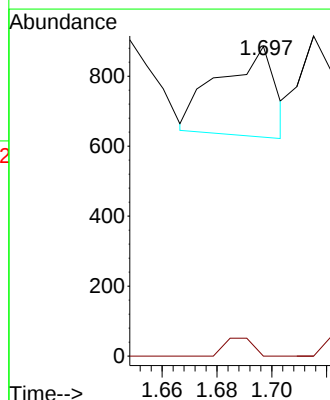
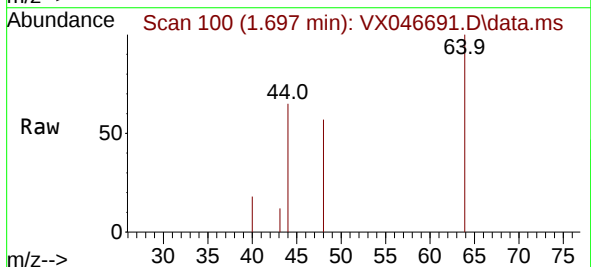
Instrument :
MSVOA_X
ClientSampleId :
WC-1

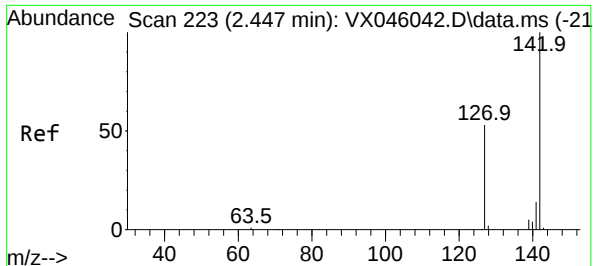
Tgt Ion:168 Resp: 85298
Ion Ratio Lower Upper
168 100
99 67.2 54.9 82.3



#6
Chloroethane
Concen: 0.512 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 64 Resp: 357
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

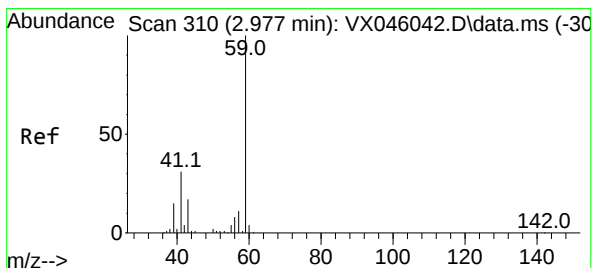
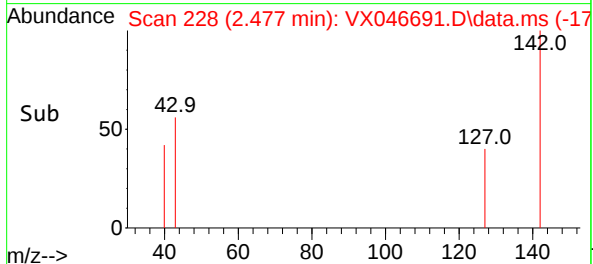
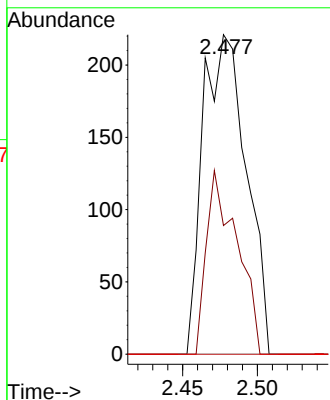
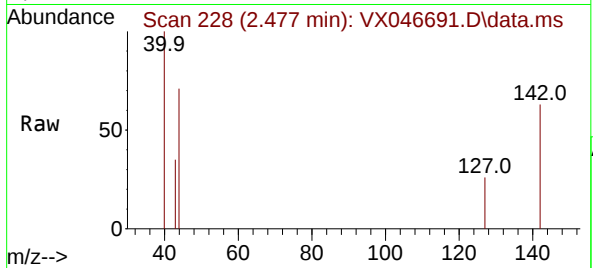




#10
Methyl Iodide
Concen: 0.368 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

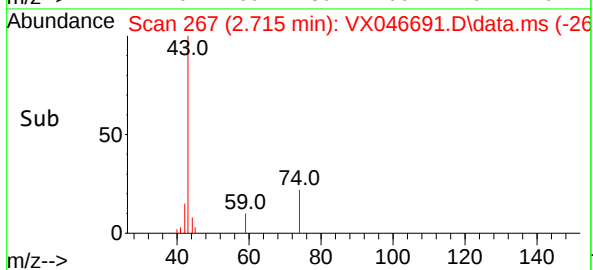
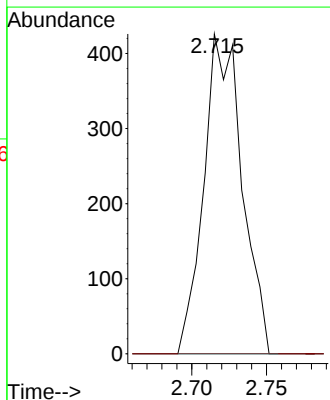
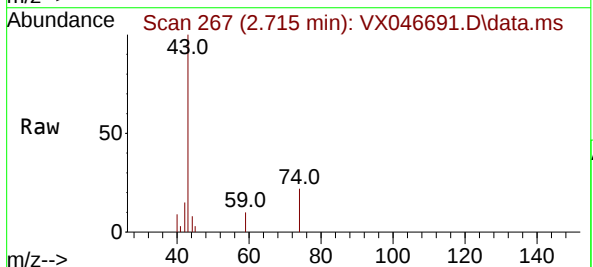
Instrument :
MSVOA_X
ClientSampleId :
WC-1

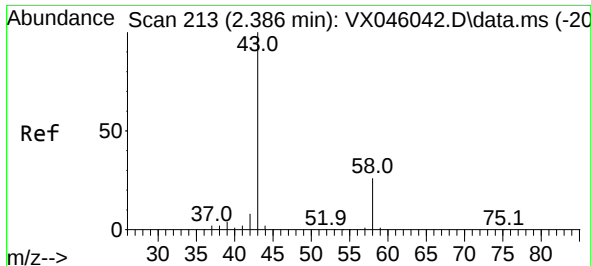
Tgt Ion:142 Resp: 447
Ion Ratio Lower Upper
142 100
127 40.5 41.7 62.5#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 4.496 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.256 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 59 Resp: 757
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

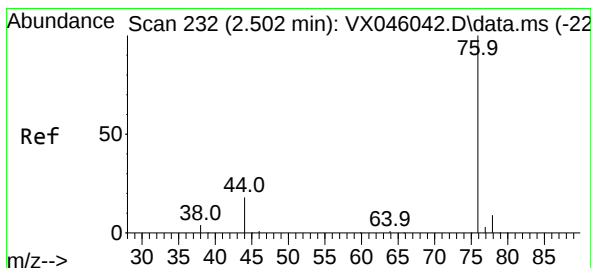
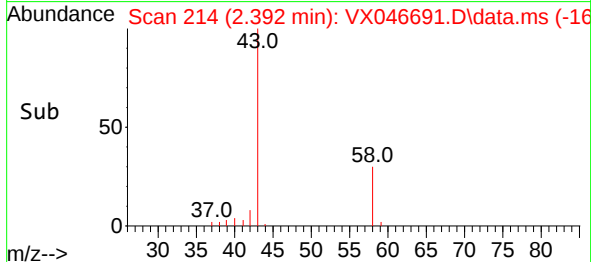
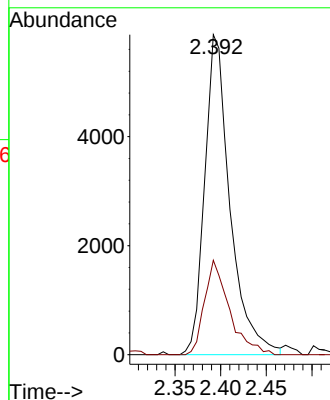
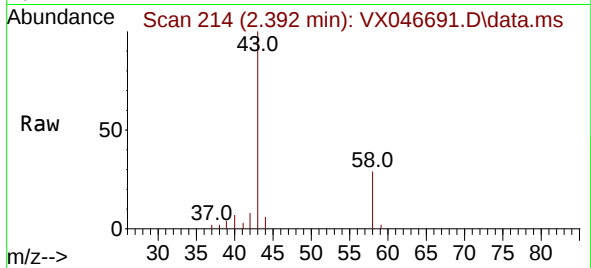




#16
Acetone
Concen: 23.307 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

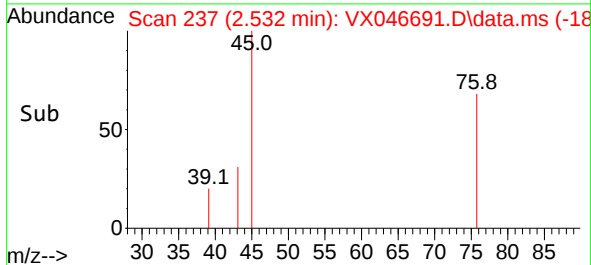
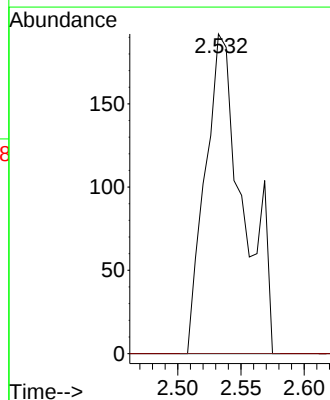
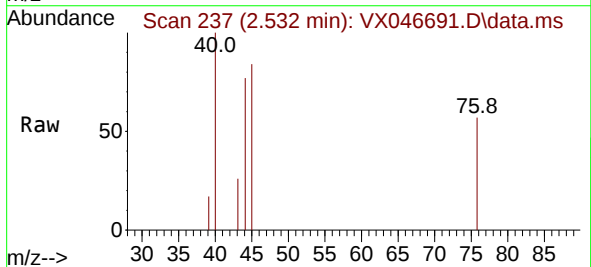
Instrument :
MSVOA_X
ClientSampleId :
WC-1

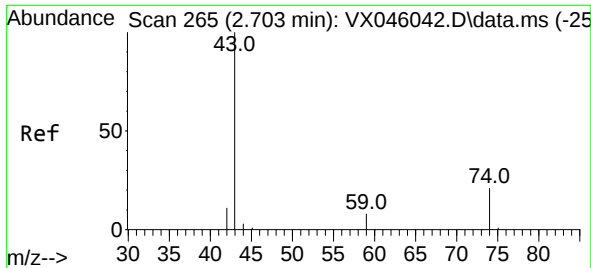
Tgt Ion: 43 Resp: 11360
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8



#17
Carbon Disulfide
Concen: 0.387 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 76 Resp: 398
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

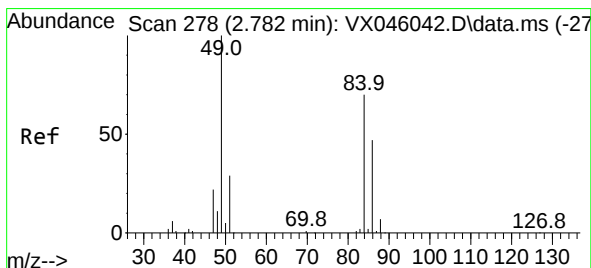
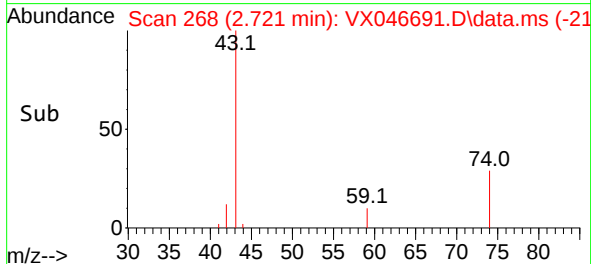
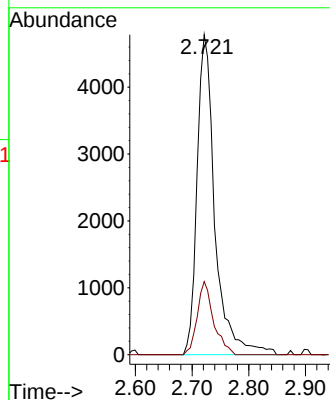
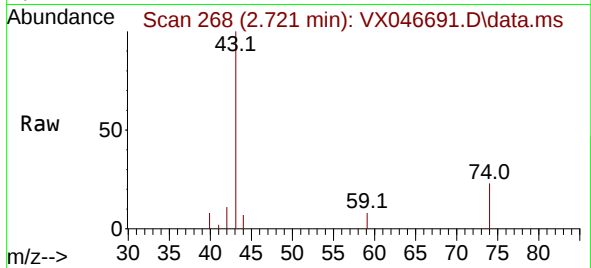




#18
Methyl Acetate
Concen: 5.766 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

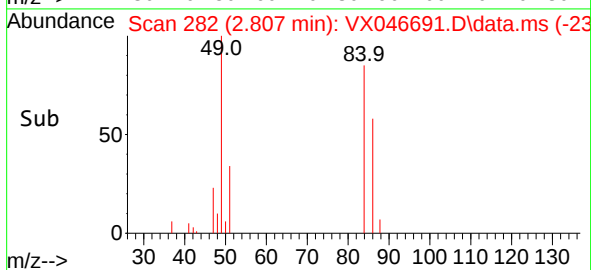
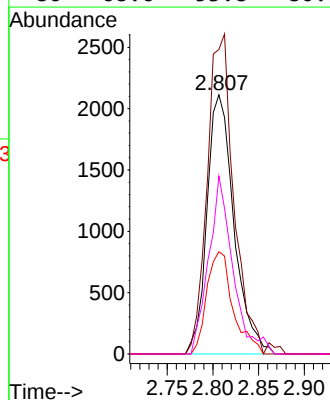
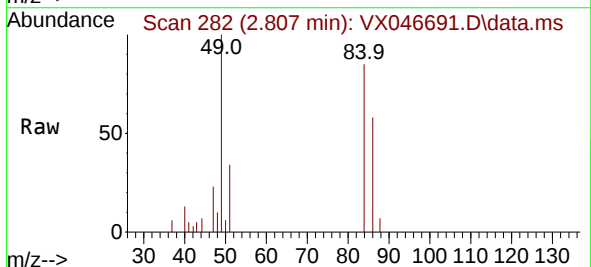
Instrument :
MSVOA_X
ClientSampleId :
WC-1

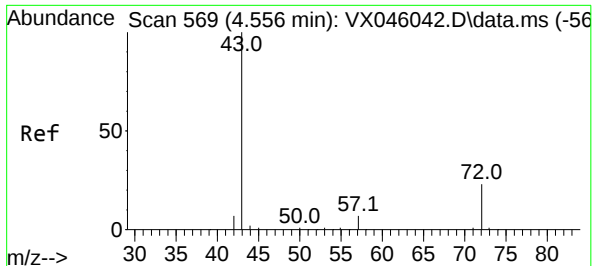
Tgt Ion: 43 Resp: 10423
Ion Ratio Lower Upper
43 100
74 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 3.562 ug/l
RT: 2.807 min Scan# 282
Delta R.T. 0.001 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 84 Resp: 4337
Ion Ratio Lower Upper
84 100
49 117.5 113.9 170.9
51 39.5 33.5 50.3
86 68.6 53.8 80.8





#25

2-Butanone

Concen: 1.345 ug/l

RT: 4.623 min Scan# 51

Delta R.T. 0.049 min

Lab File: VX046691.D

Acq: 13 Jun 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

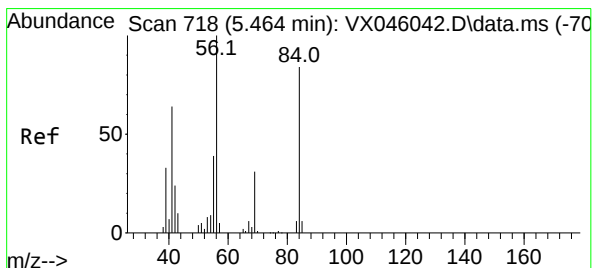
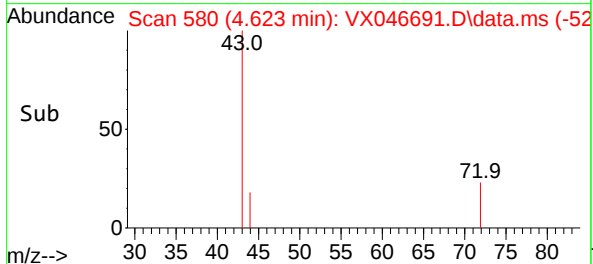
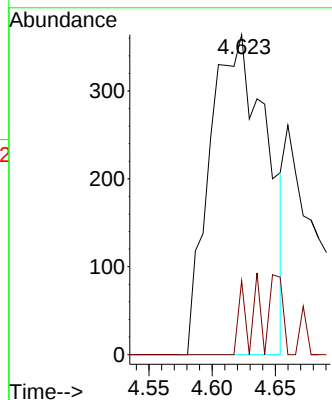
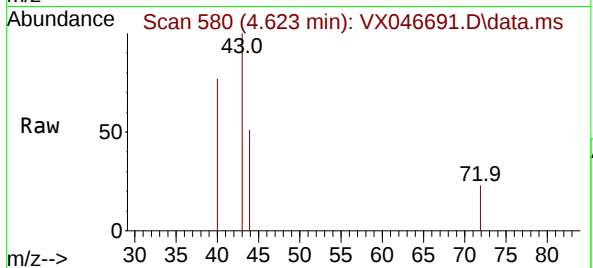
WC-1

Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

72 23.1 18.4 27.6



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.073 min

Lab File: VX046691.D

Acq: 13 Jun 2025 15:57

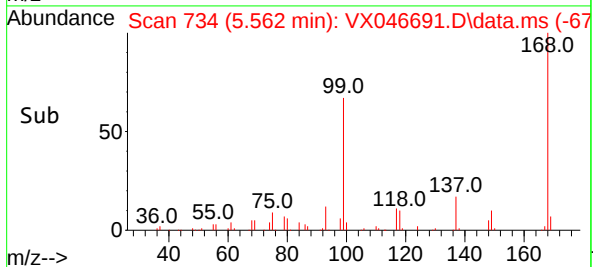
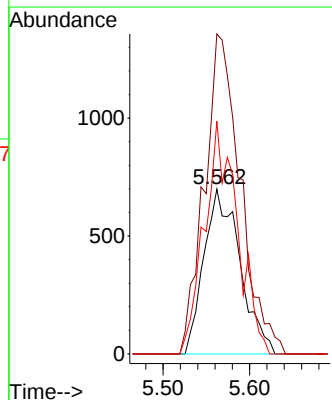
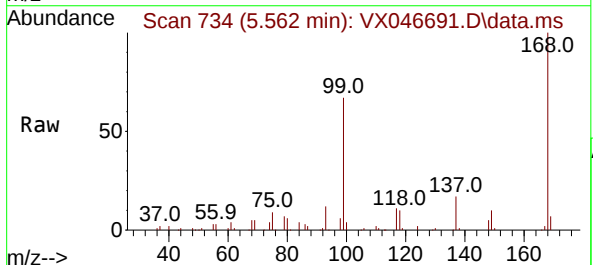
Tgt Ion: 56 Resp: 2016

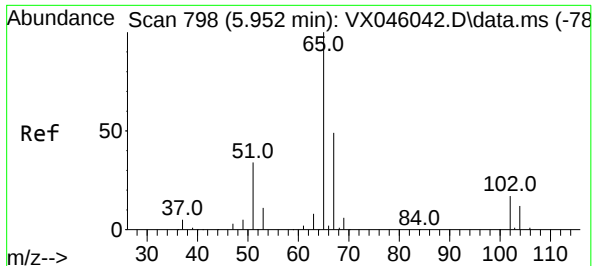
Ion Ratio Lower Upper

56 100

69 194.1 24.4 36.6#

84 141.2 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 44.038 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.001 min

Lab File: VX046691.D

Acq: 13 Jun 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

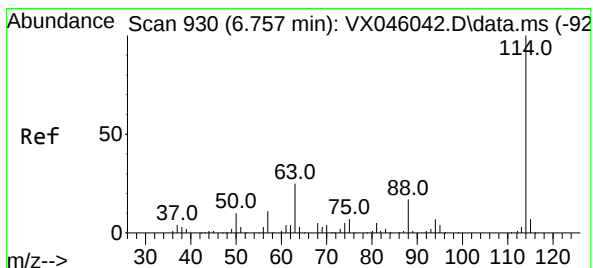
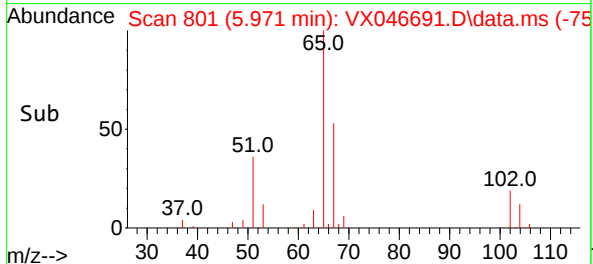
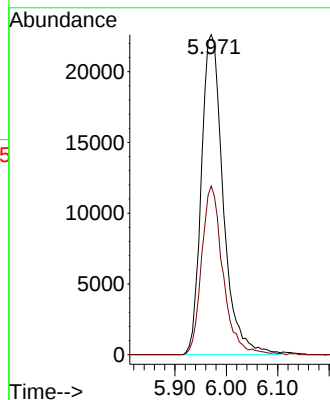
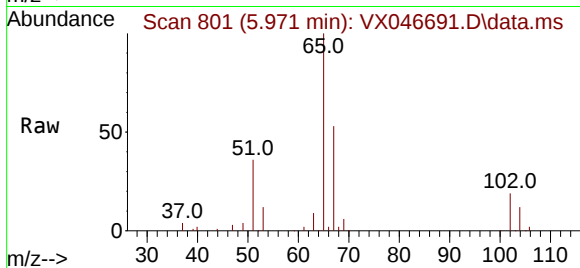
WC-1

Tgt Ion: 65 Resp: 66829

Ion Ratio Lower Upper

65 100

67 51.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046691.D

Acq: 13 Jun 2025 15:57

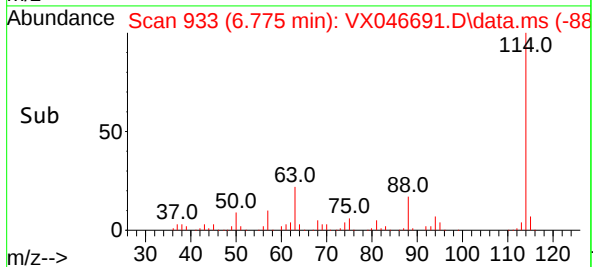
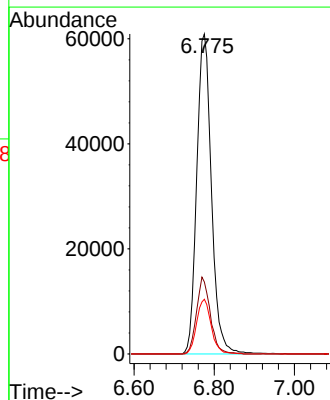
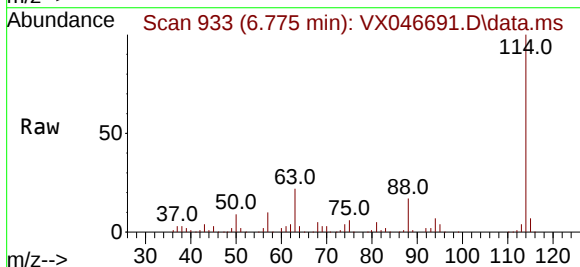
Tgt Ion: 114 Resp: 154803

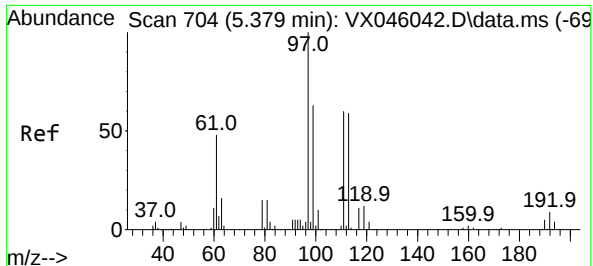
Ion Ratio Lower Upper

114 100

63 22.5 0.0 49.2

88 17.1 0.0 33.6

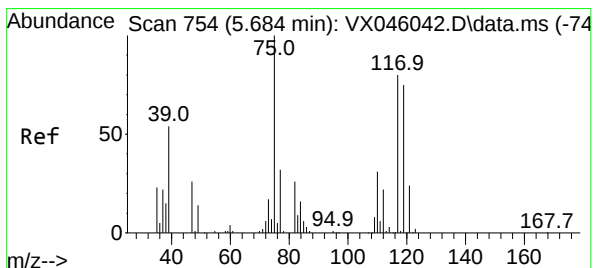
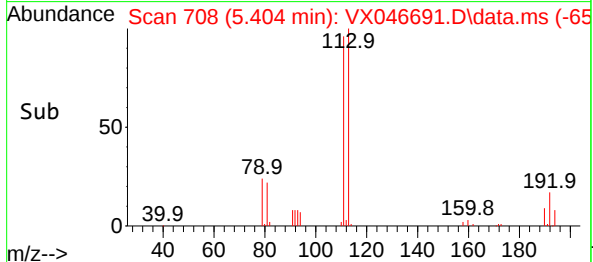
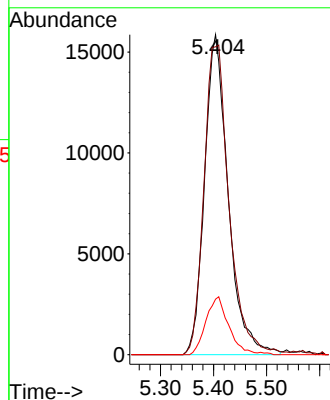
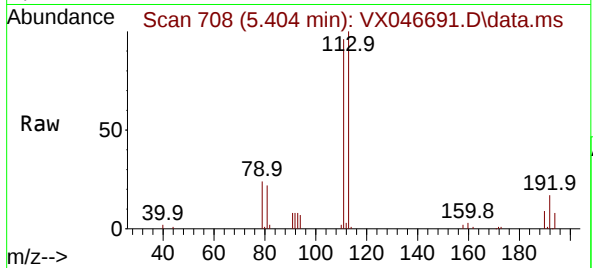




#35
Dibromofluoromethane
Concen: 43.098 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

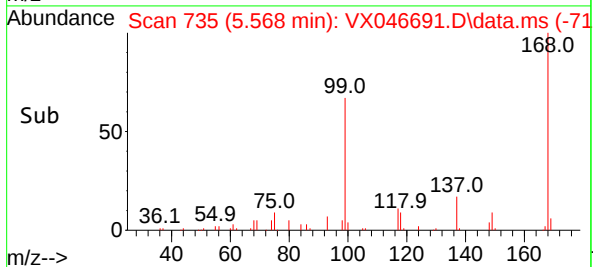
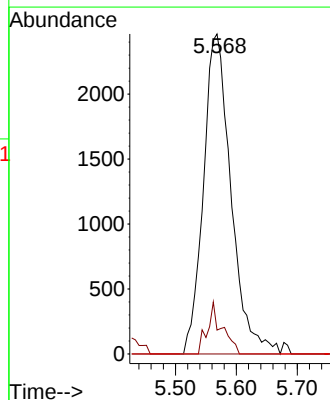
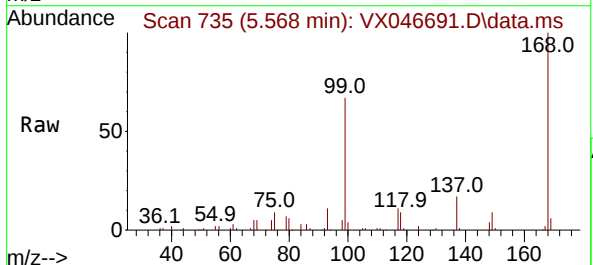
Instrument :
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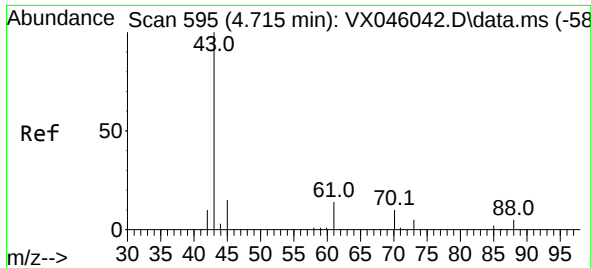
Tgt Ion:113 Resp: 49064
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 75 Resp: 7756
Ion Ratio Lower Upper
75 100
110 8.6 16.3 48.9#
77 0.0 24.3 36.5#

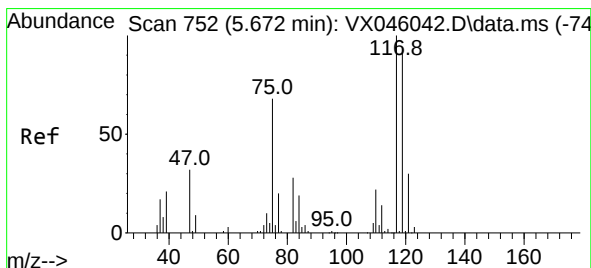
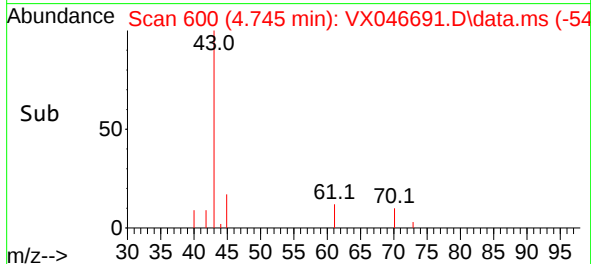
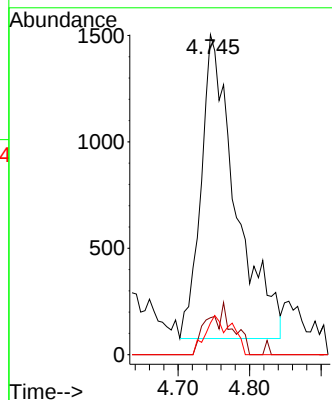
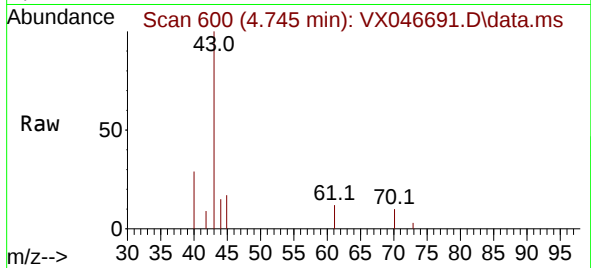




#37
Ethyl Acetate
Concen: 3.041 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

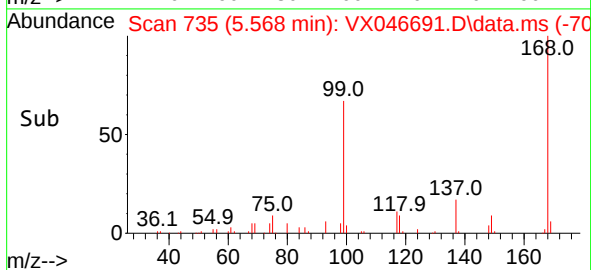
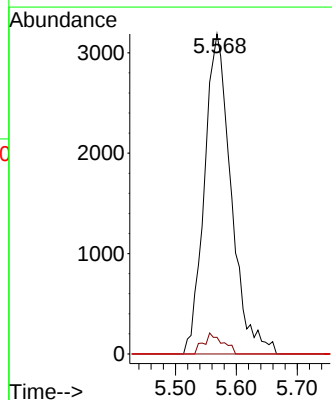
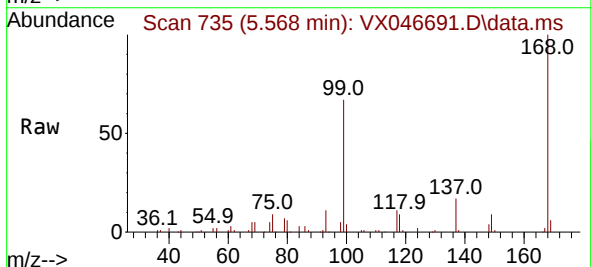
Instrument :
MSVOA_X
ClientSampleId :
WC-1

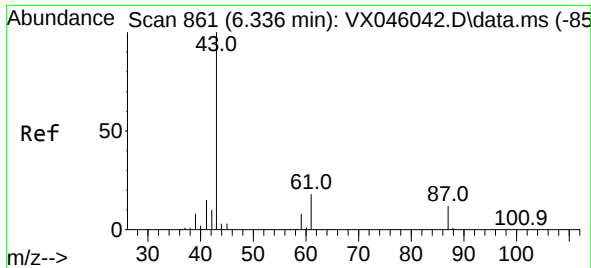
Tgt Ion: 43 Resp: 4826
Ion Ratio Lower Upper
43 100
61 6.3 10.3 15.5#
70 6.2 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.344 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 117 Resp: 9734
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 24.2 36.4#

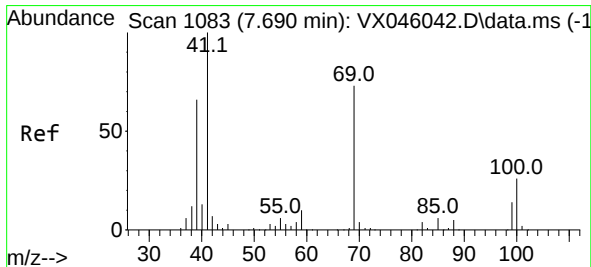
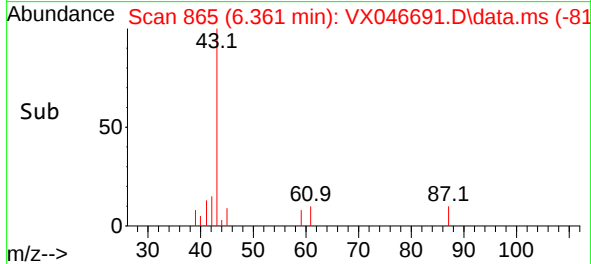
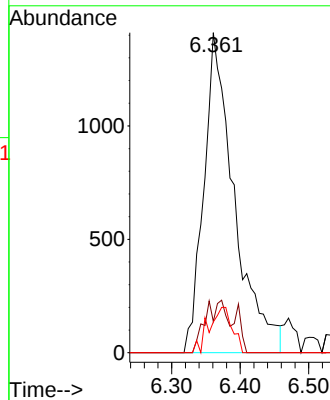
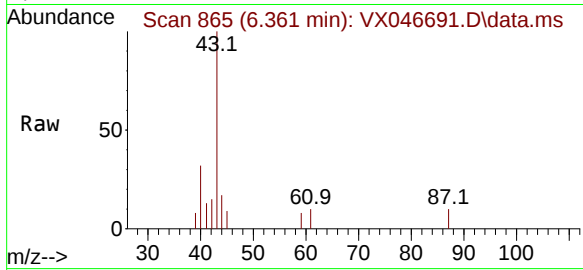




#43
Isopropyl Acetate
Concen: 1.581 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

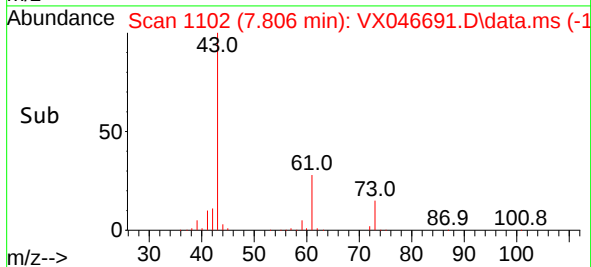
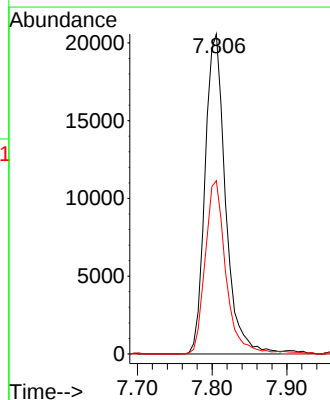
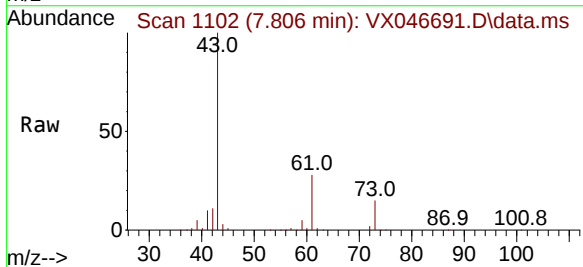
Instrument :
MSVOA_X
ClientSampleId :
WC-1

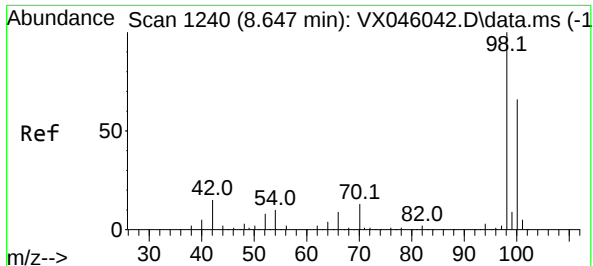
Tgt Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
61 11.7 14.3 21.5#
87 10.8 9.5 14.3



#48
Methyl methacrylate
Concen: 27.468 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 41 Resp: 39103
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.5 51.7 77.5

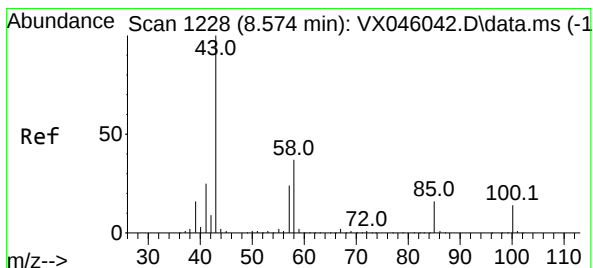
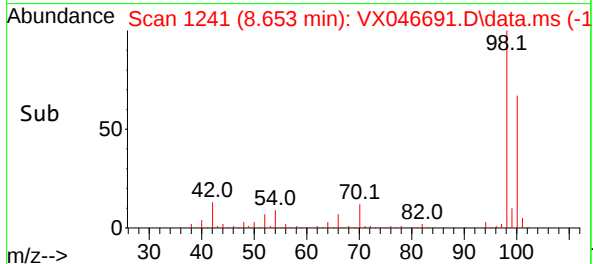
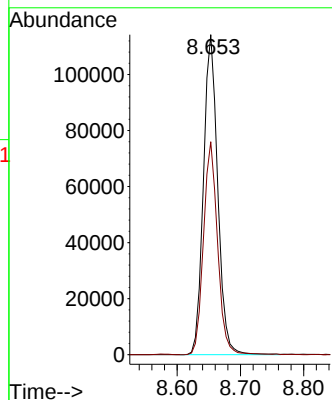
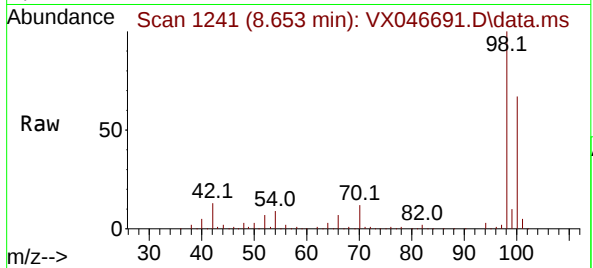




#50
Toluene-d8
Concen: 47.847 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

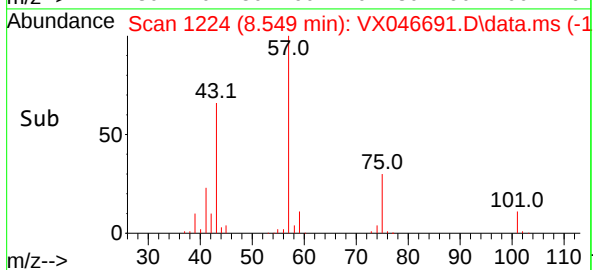
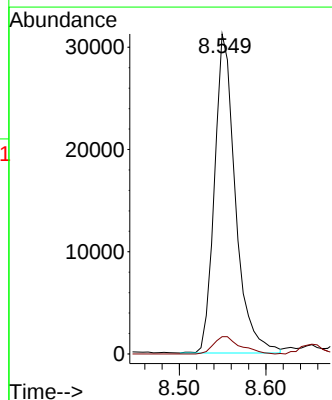
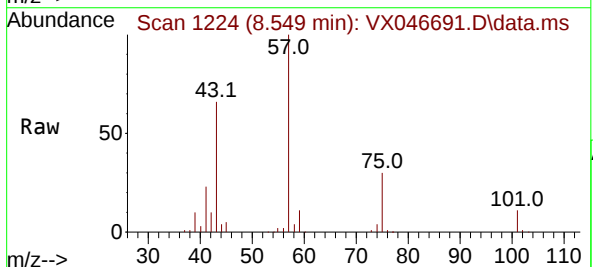
Instrument :
MSVOA_X
ClientSampleId :
WC-1

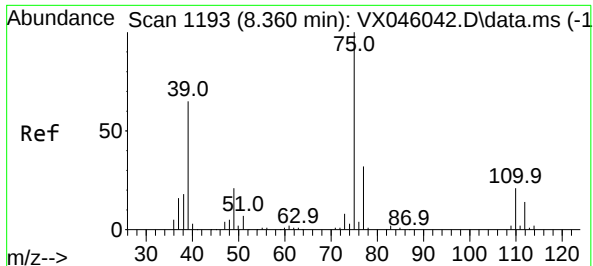
Tgt Ion: 98 Resp: 179582
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 29.759 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 43 Resp: 52323
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#

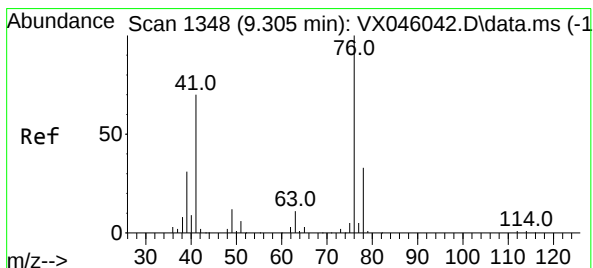
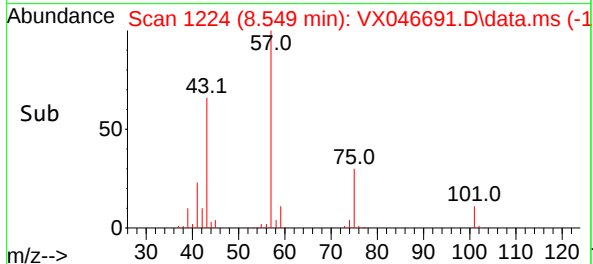
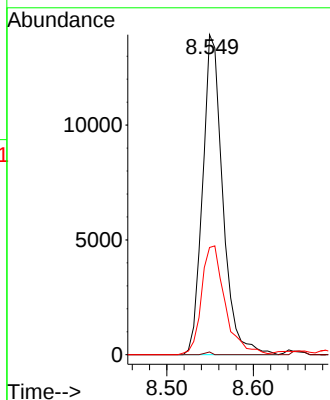
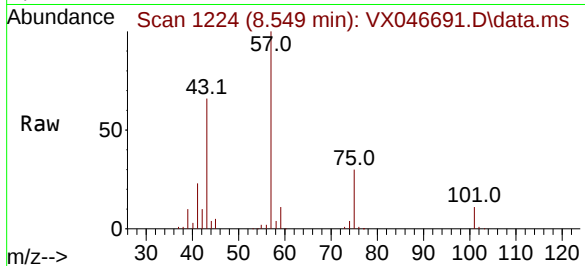




#54
cis-1,3-Dichloropropene
Concen: 12.368 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.177 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

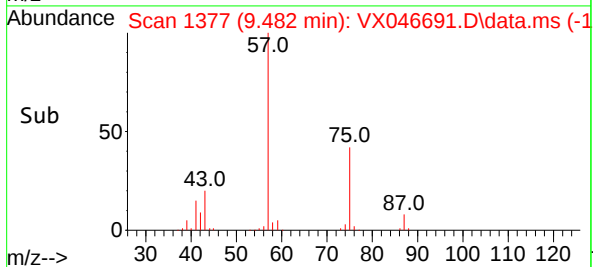
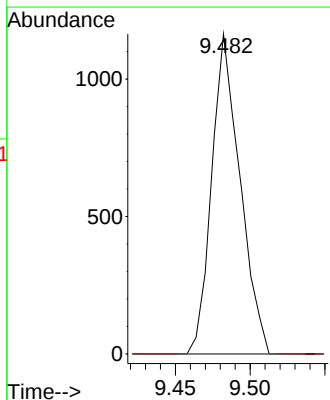
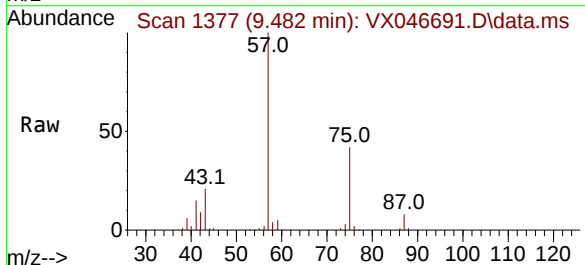
Instrument :
MSVOA_X
ClientSampleId :
WC-1

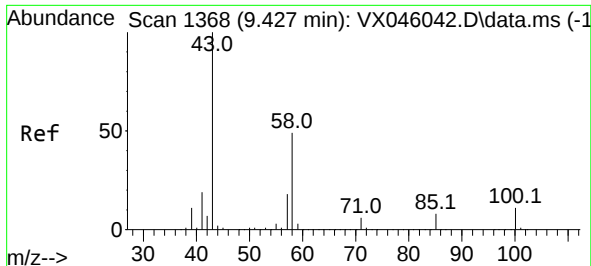
Tgt Ion: 75 Resp: 22535
Ion Ratio Lower Upper
75 100
77 0.8 25.4 38.0#
39 33.5 52.2 78.4#



#57
1,3-Dichloropropane
Concen: 0.768 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 76 Resp: 1532
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

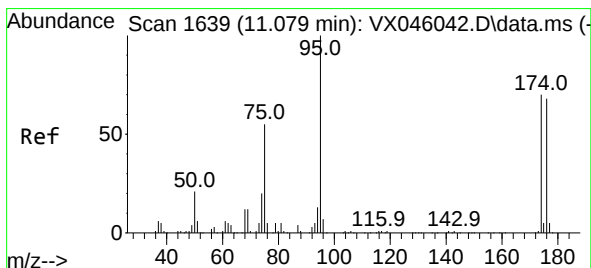
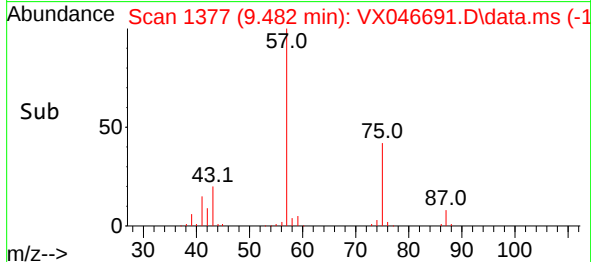
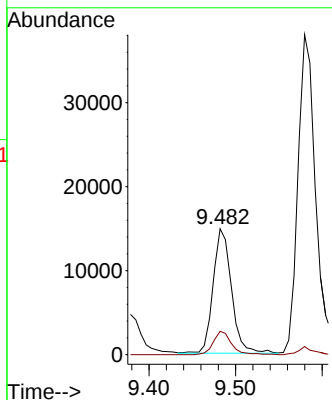
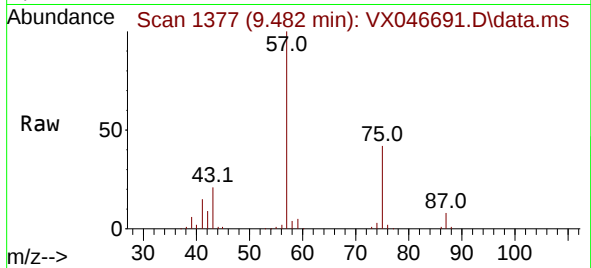




#59
2-Hexanone
Concen: 17.299 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

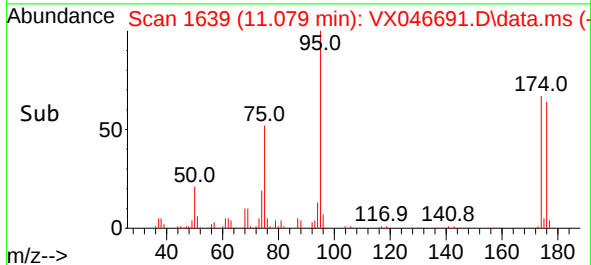
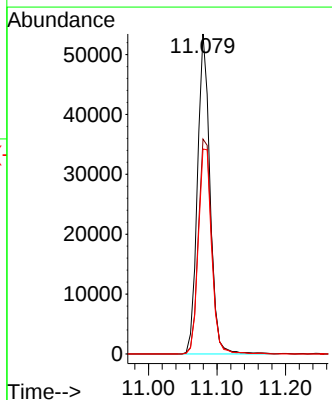
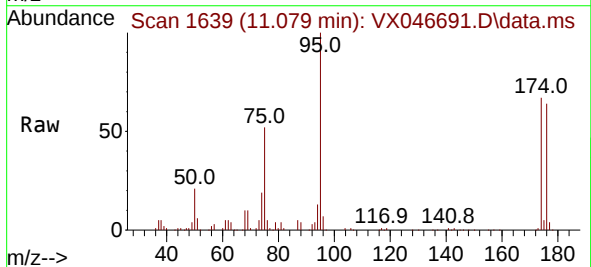
Instrument :
MSVOA_X
ClientSampleId :
WC-1

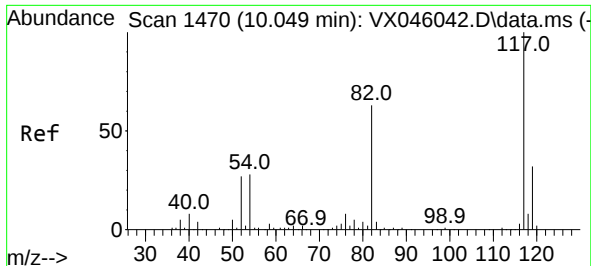
Tgt Ion: 43 Resp: 21814
Ion Ratio Lower Upper
43 100
58 18.7 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 43.849 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 95 Resp: 68092
Ion Ratio Lower Upper
95 100
174 71.5 0.0 135.8
176 67.9 0.0 131.4

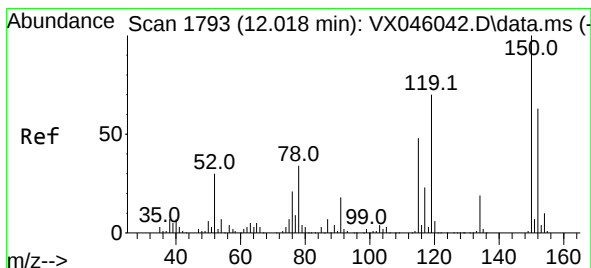
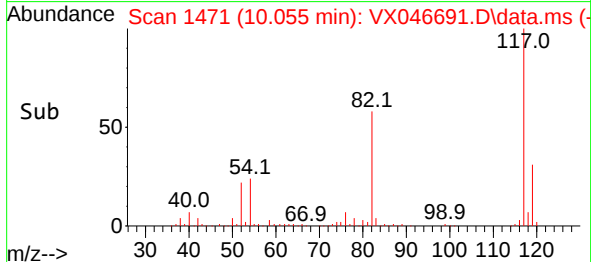
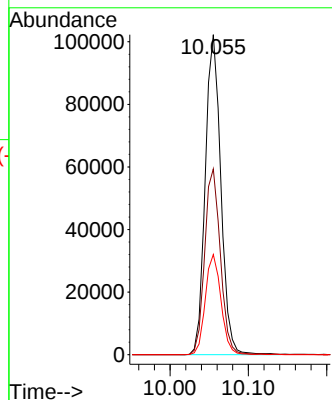
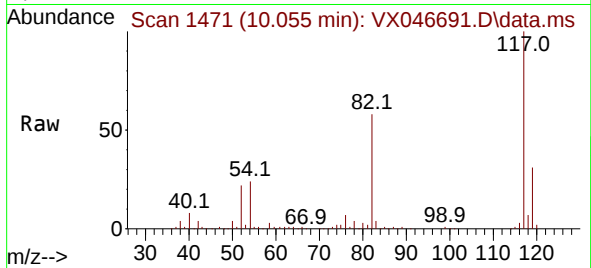




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

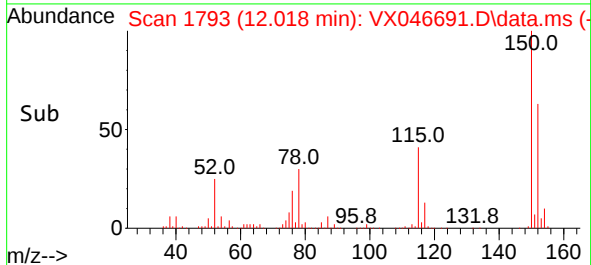
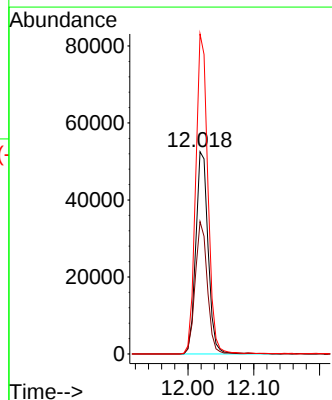
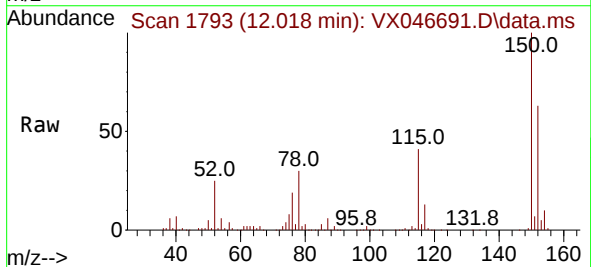
Instrument :
MSVOA_X
ClientSampleId :
WC-1

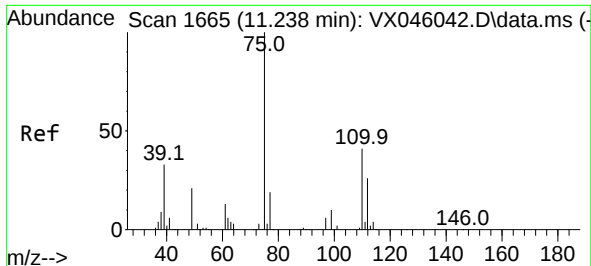
Tgt Ion:117 Resp: 141035
Ion Ratio Lower Upper
117 100
82 58.1 50.6 76.0
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion:152 Resp: 68505
Ion Ratio Lower Upper
152 100
115 64.1 46.9 140.7
150 156.0 0.0 351.0

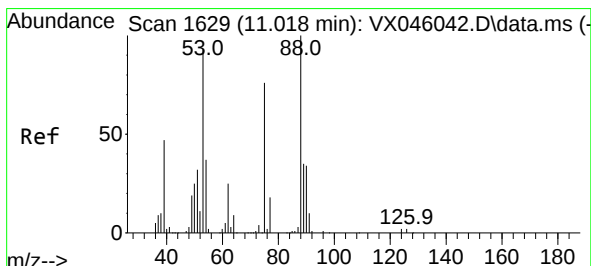
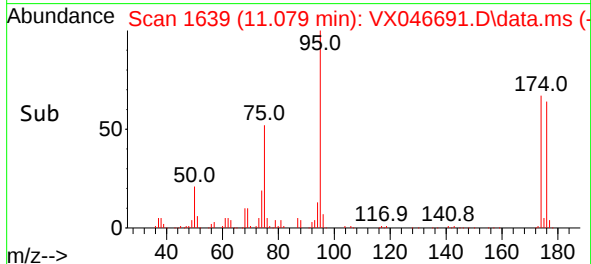
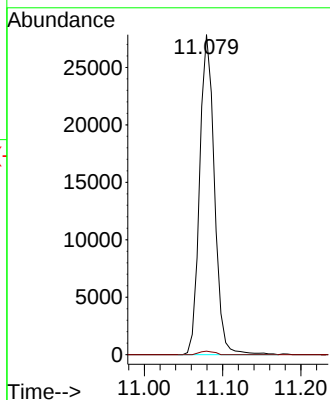
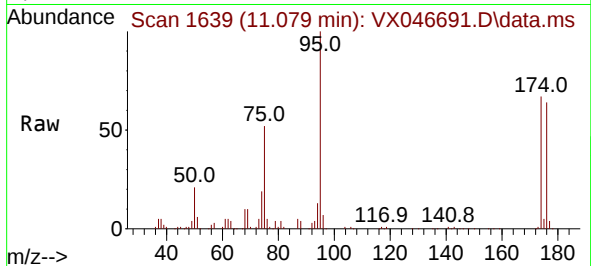




#76
1,2,3-Trichloropropane
Concen: 25.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Instrument :
MSVOA_X
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 36604
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046691.D
Acq: 13 Jun 2025 15:57

Tgt Ion: 75 Resp: 36604
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

