

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050725\
 Data File : VX046073.D
 Acq On : 07 May 2025 15:26
 Operator : JC/MD
 Sample : Q1980-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 3832

Quant Time: May 08 01:48:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

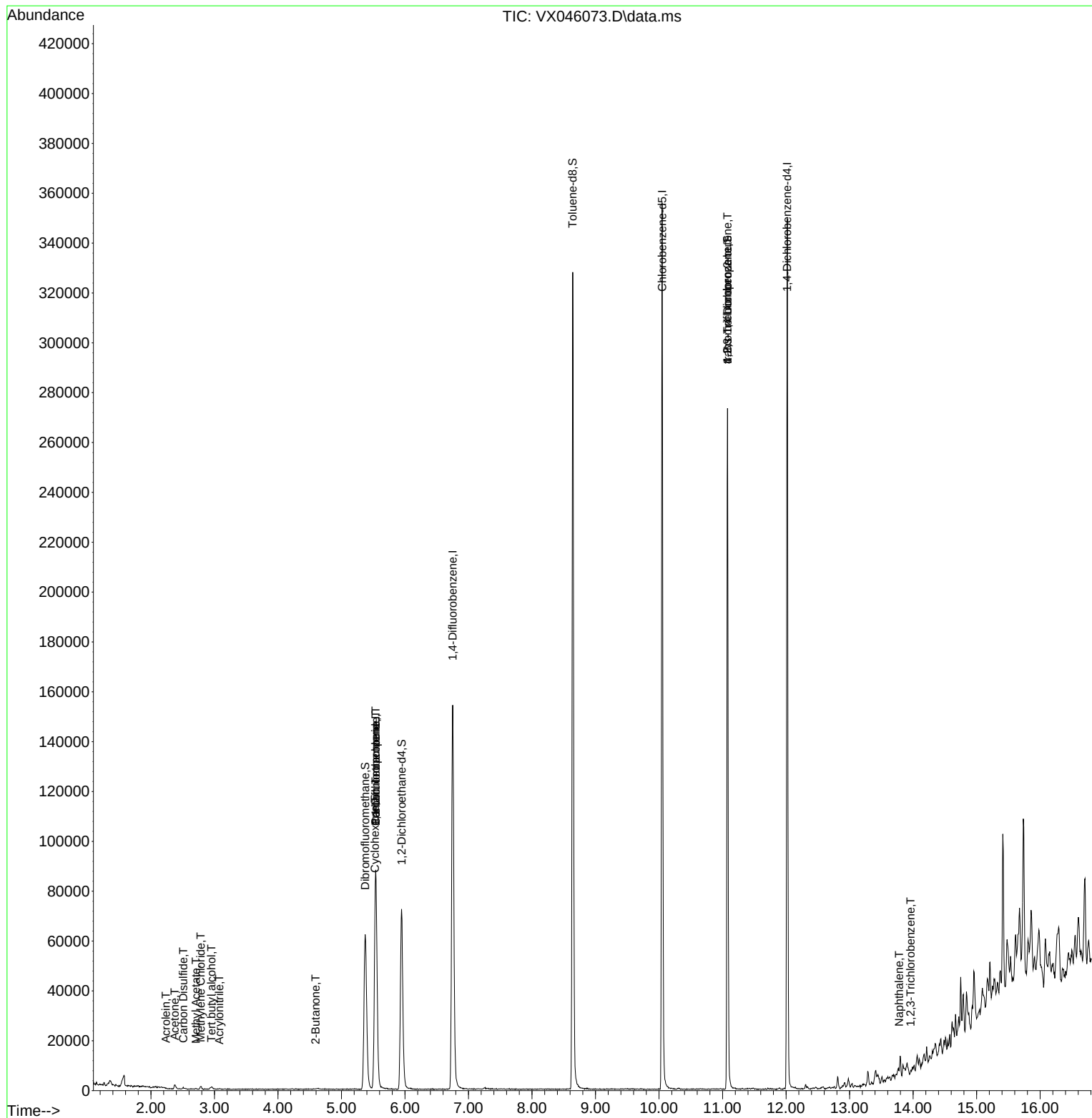
Internal Standards						
1) Pentafluorobenzene	5.538	168	74403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	149419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	72973	52.608	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	5.373	113	54879	51.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.641	98	183215	49.197	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	11.079	95	71105	49.776	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.560%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	1058	5.434	ug/l #	90
13) Acrolein	2.233	56	54	0.244	ug/l	86
15) Acrylonitrile	3.075	53	136	0.244	ug/l #	18
16) Acetone	2.374	43	2308	4.150	ug/l	90
17) Carbon Disulfide	2.508	76	716	0.342	ug/l #	76
18) Methyl Acetate	2.709	43	423	0.328	ug/l #	55
20) Methylene Chloride	2.782	84	492	0.462	ug/l	92
25) 2-Butanone	4.593	43	274	0.339	ug/l #	53
31) Cyclohexane	5.525	56	2186	1.322	ug/l #	28
36) 1,1-Dichloropropene	5.538	75	7374	5.101	ug/l #	51
38) Carbon Tetrachloride	5.538	117	8856	5.452	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	41268	27.683	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	41268	90.127	ug/l #	1
95) Naphthalene	13.780	128	2087	0.483	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	318	0.262	ug/l #	63

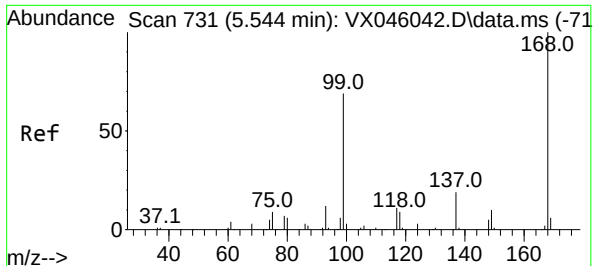
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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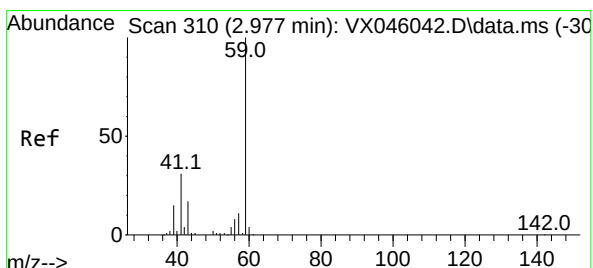
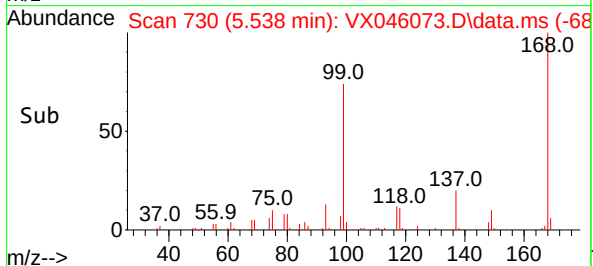
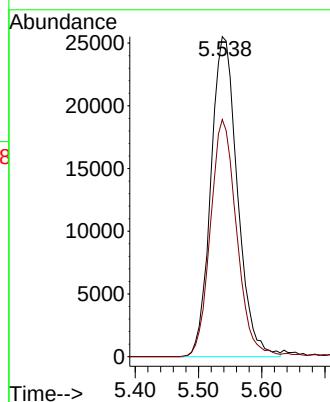
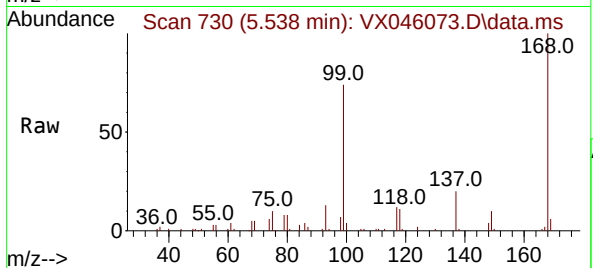




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

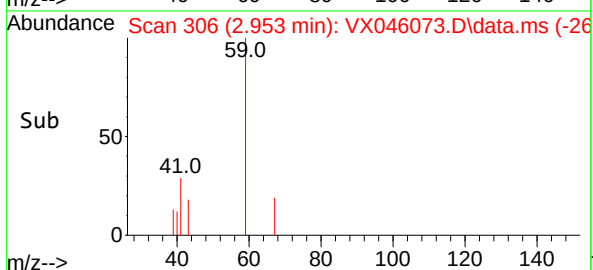
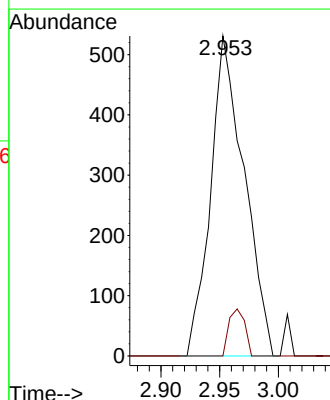
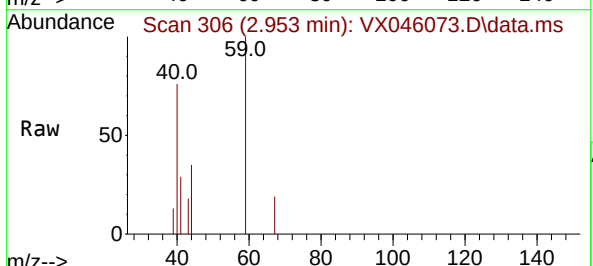
Instrument :
MSVOA_X
ClientSampleId :
3832

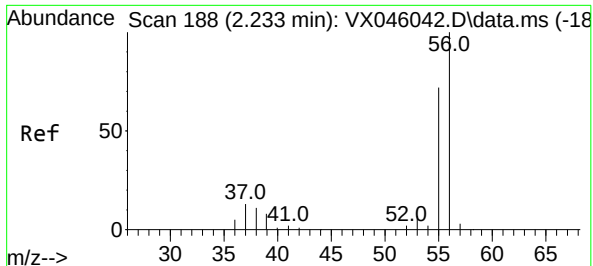
Tgt Ion:168 Resp: 74403
Ion Ratio Lower Upper
168 100
99 74.1 54.9 82.3



#11
Tert butyl alcohol
Concen: 5.434 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 59 Resp: 1058
Ion Ratio Lower Upper
59 100
57 6.9 8.6 12.8#

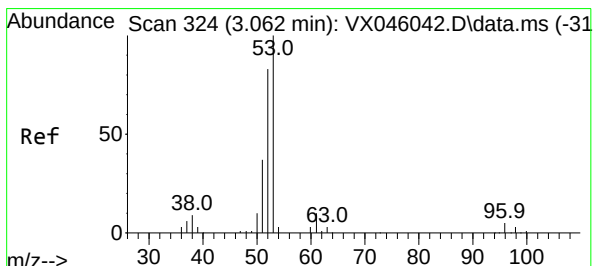
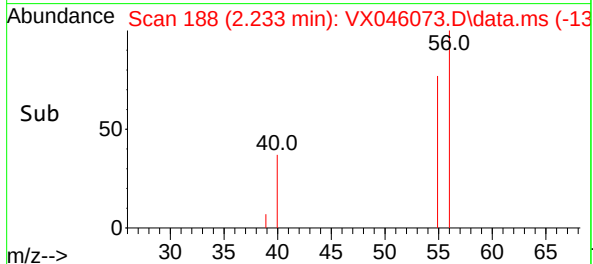
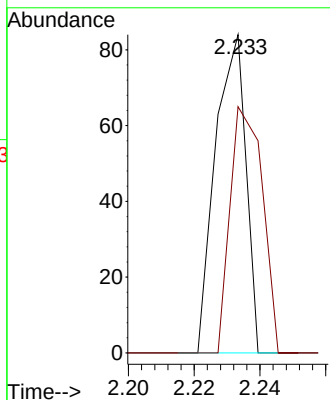
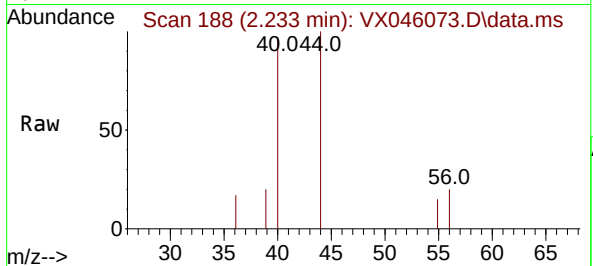




#13
Acrolein
Concen: 0.244 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

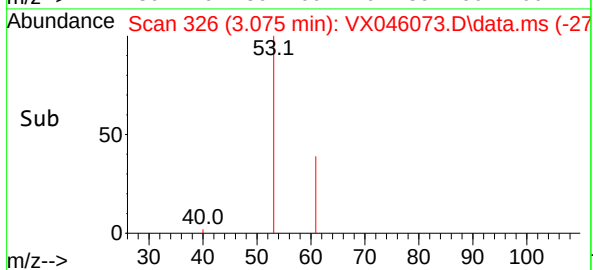
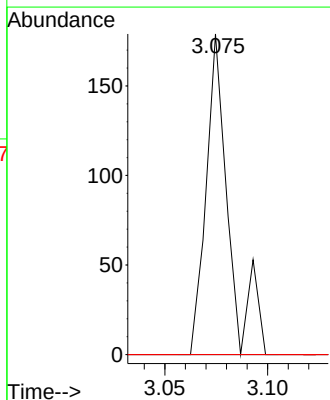
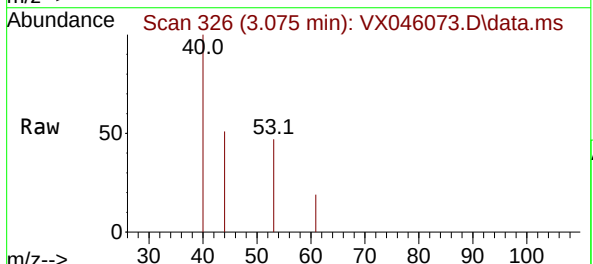
Instrument :
MSVOA_X
ClientSampleId :
3832

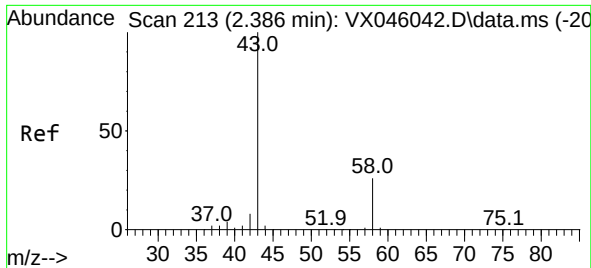
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 81.5 56.2 84.4



#15
Acrylonitrile
Concen: 0.244 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 53 Resp: 136
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 0.0 29.8 44.8#

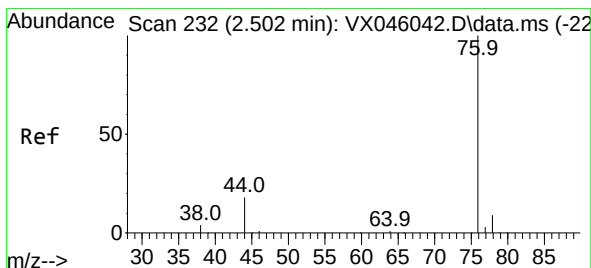
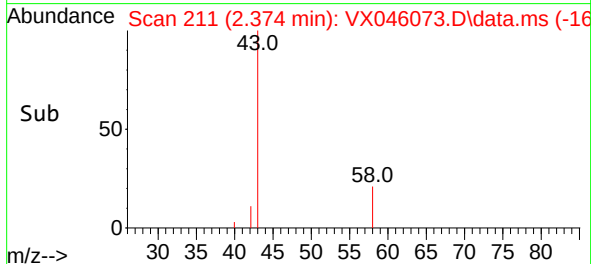
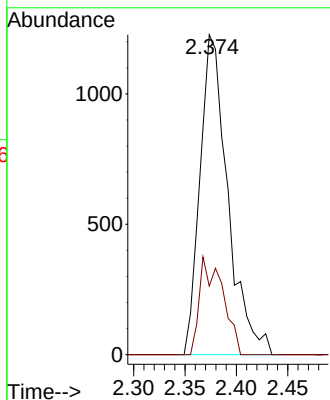
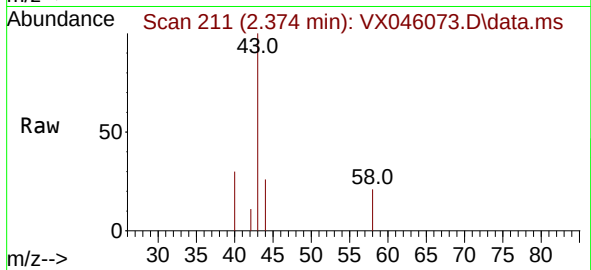




#16
Acetone
Concen: 4.150 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

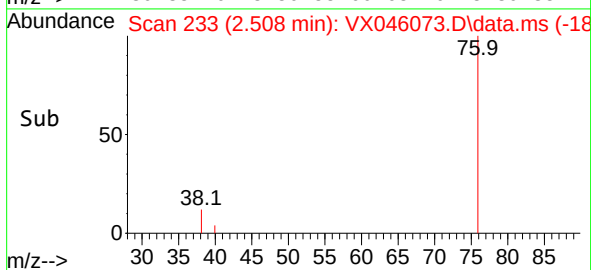
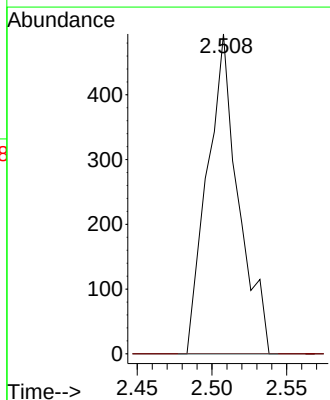
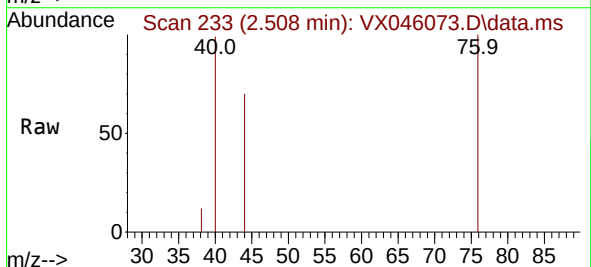
Instrument :
MSVOA_X
ClientSampleId :
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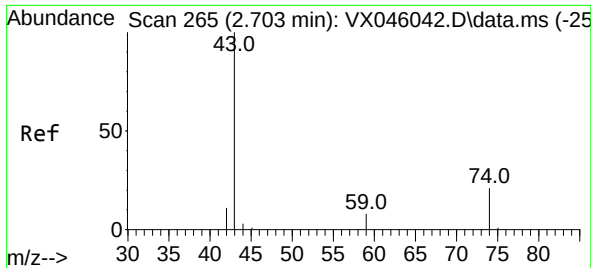
Tgt Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
58 21.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.342 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 76 Resp: 716
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

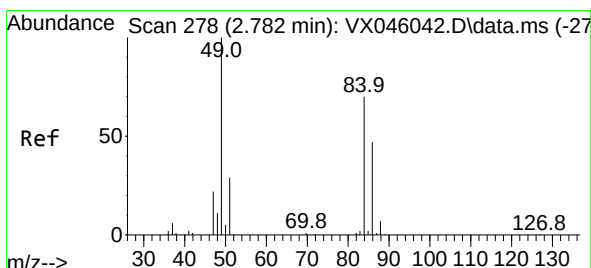
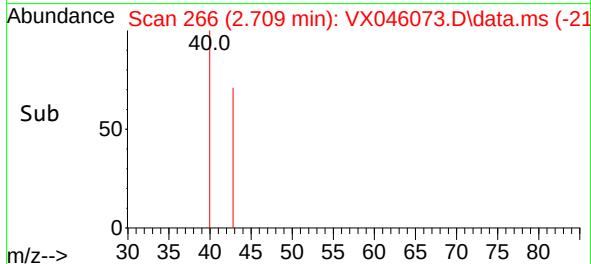
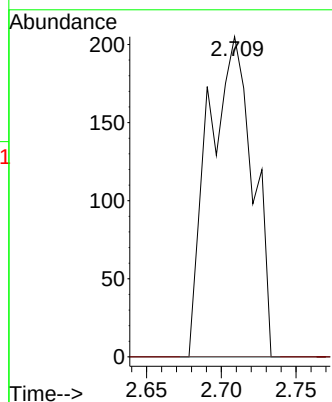
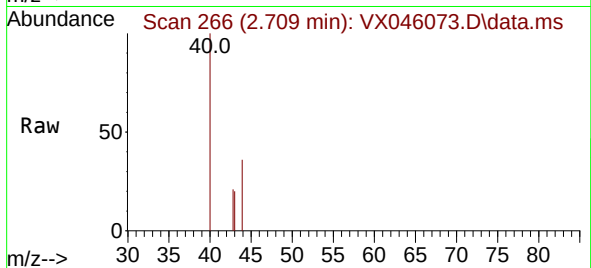




#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

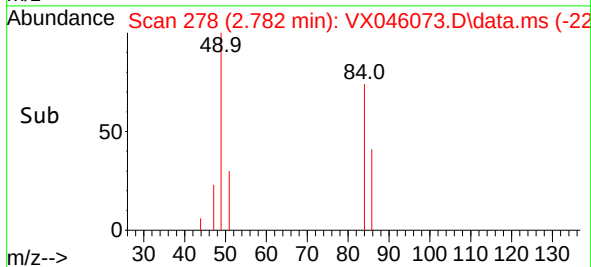
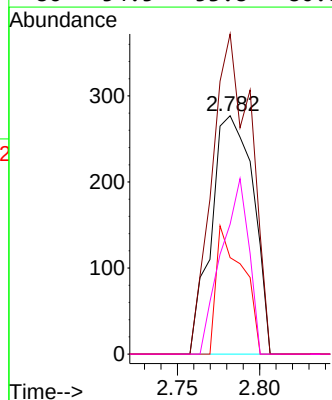
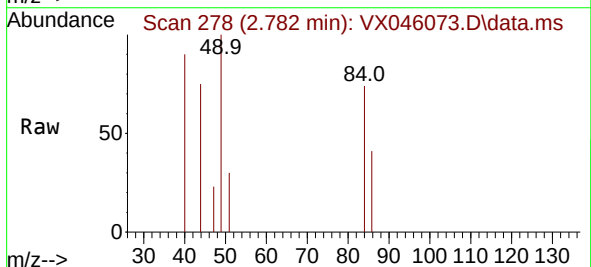
Instrument :
MSVOA_X
ClientSampleId :
3832

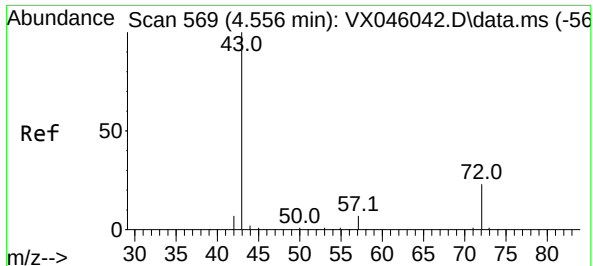
Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.462 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 84 Resp: 492
Ion Ratio Lower Upper
84 100
49 134.3 113.9 170.9
51 40.4 33.5 50.3
86 54.5 53.8 80.8





#25

2-Butanone

Concen: 0.339 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX046073.D

Acq: 07 May 2025 15:26

Instrument :

MSVOA_X

ClientSampleId :

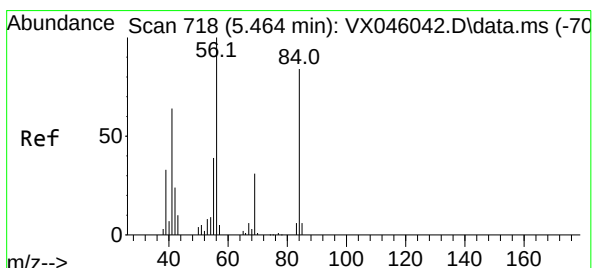
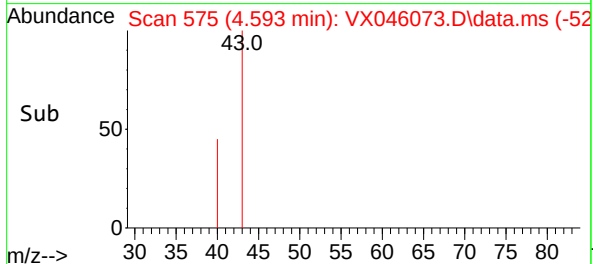
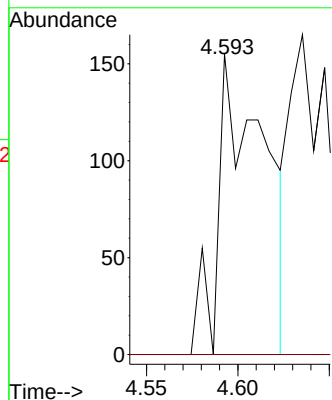
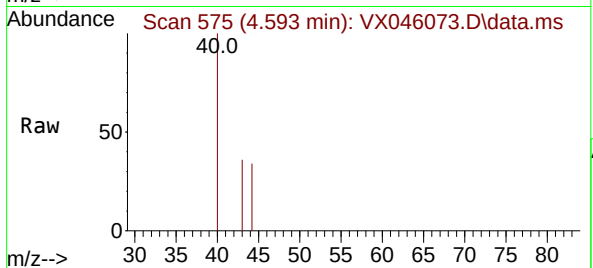
3832

Tgt Ion: 43 Resp: 274

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 5.525 min Scan# 728

Delta R.T. 0.061 min

Lab File: VX046073.D

Acq: 07 May 2025 15:26

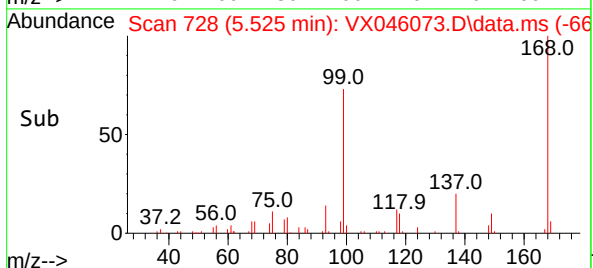
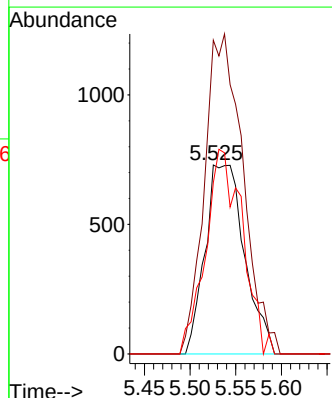
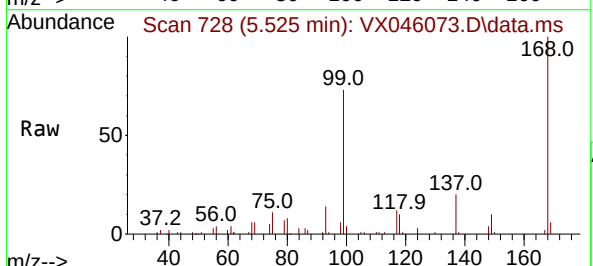
Tgt Ion: 56 Resp: 2186

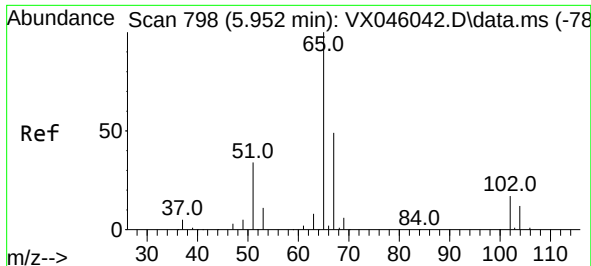
Ion Ratio Lower Upper

56 100

69 166.1 24.4 36.6#

84 90.7 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 52.608 ug/l

RT: 5.946 min Scan# 74

Delta R.T. -0.006 min

Lab File: VX046073.D

Acq: 07 May 2025 15:26

Instrument :

MSVOA_X

ClientSampleId :

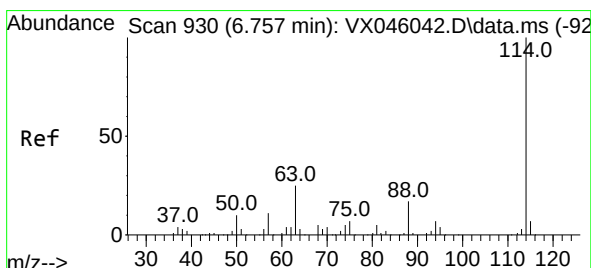
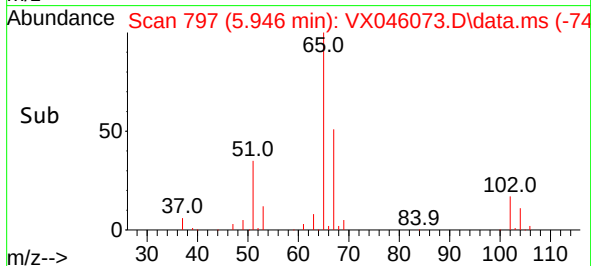
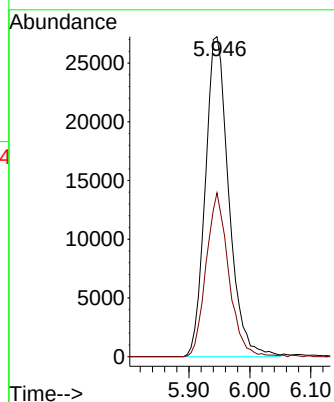
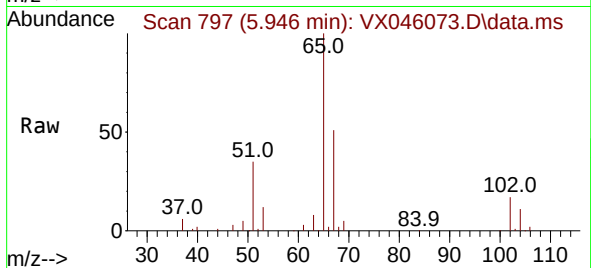
3832

Tgt Ion: 65 Resp: 72973

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX046073.D

Acq: 07 May 2025 15:26

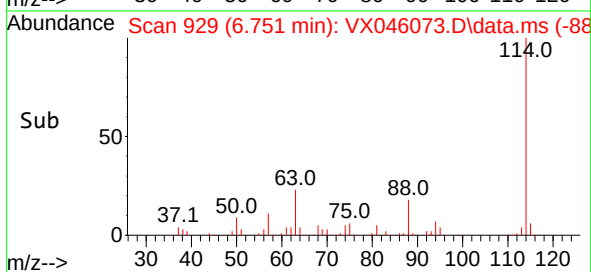
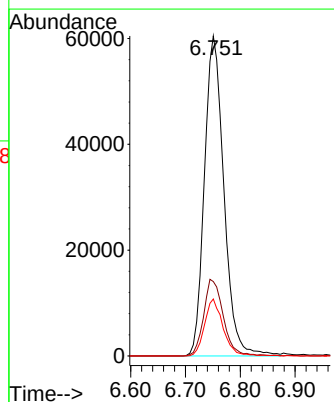
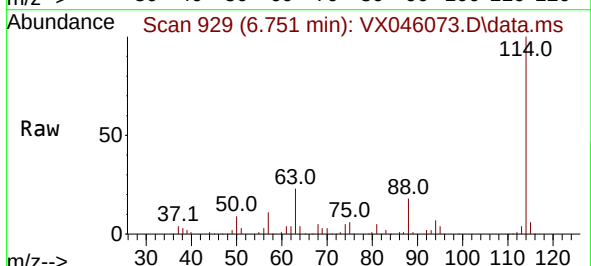
Tgt Ion: 114 Resp: 149419

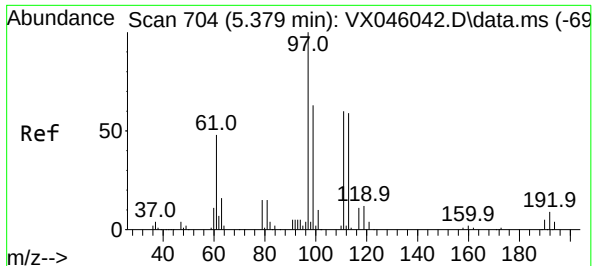
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.2

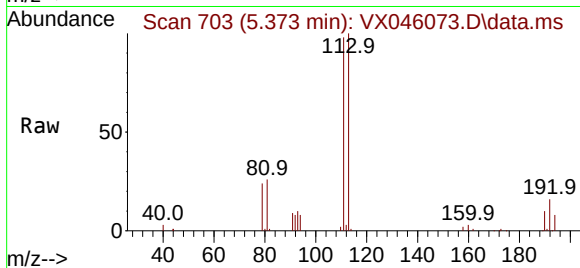
88 17.8 0.0 33.6



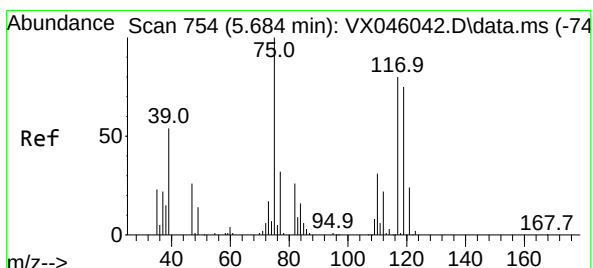
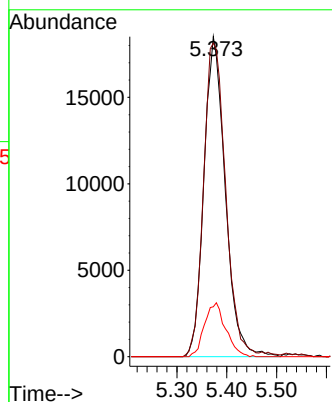
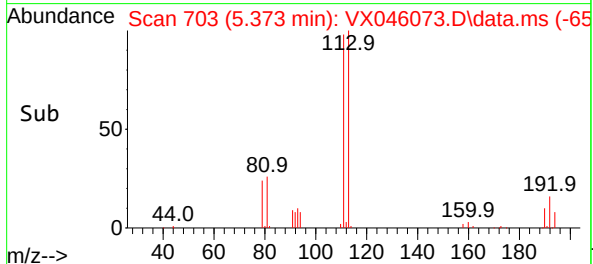


#35
Dibromofluoromethane
Concen: 51.004 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

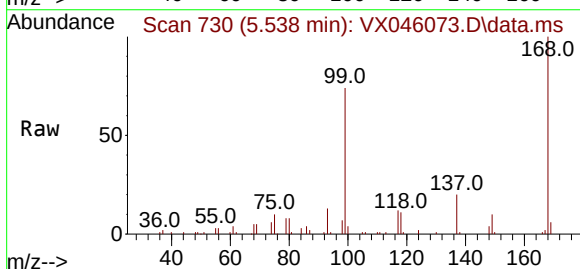
Instrument :
MSVOA_X
ClientSampleId :
3832



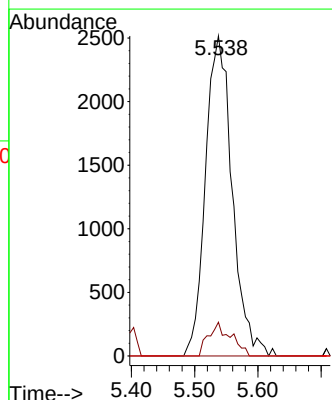
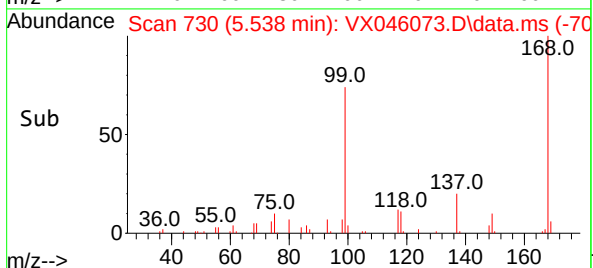
Tgt Ion:113 Resp: 54879
Ion Ratio Lower Upper
113 100
111 101.6 83.1 124.7
192 16.8 13.3 19.9

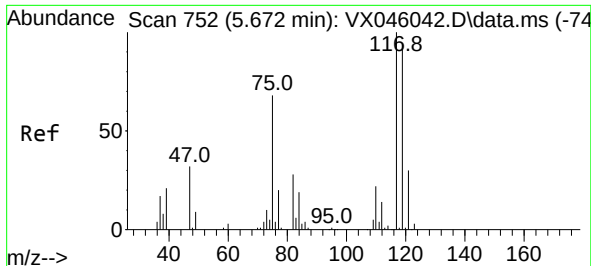


#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26



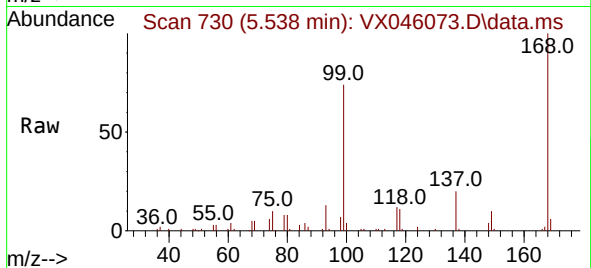
Tgt Ion: 75 Resp: 7374
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#



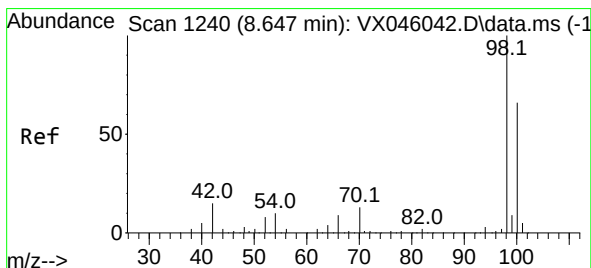
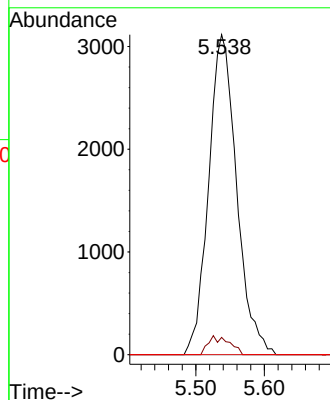
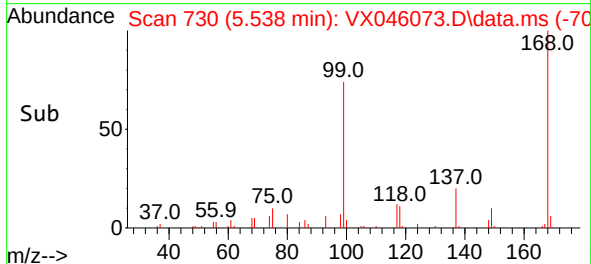


#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Instrument :
MSVOA_X
ClientSampleId :
3832

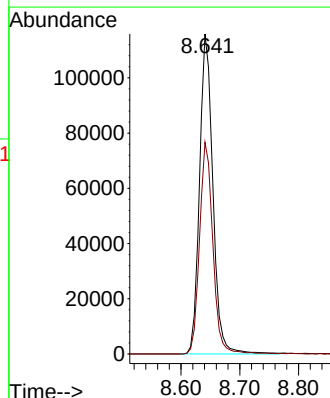
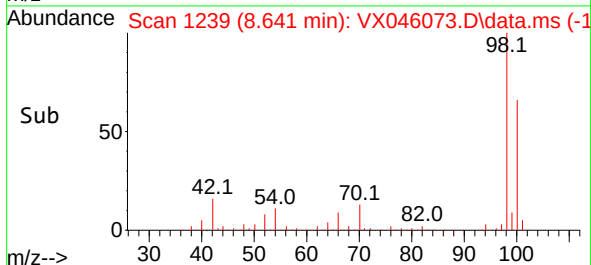
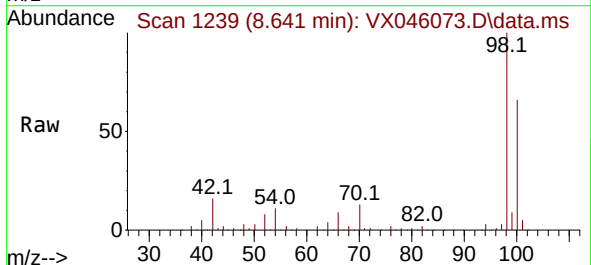


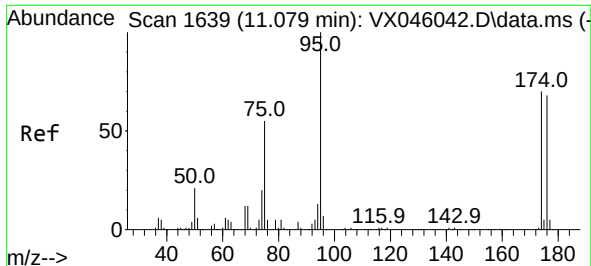
Tgt Ion:117 Resp: 8856
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.197 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 98 Resp: 183215
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3

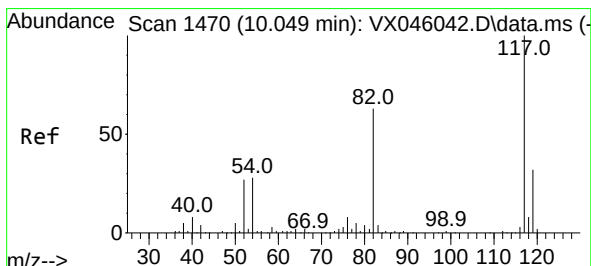
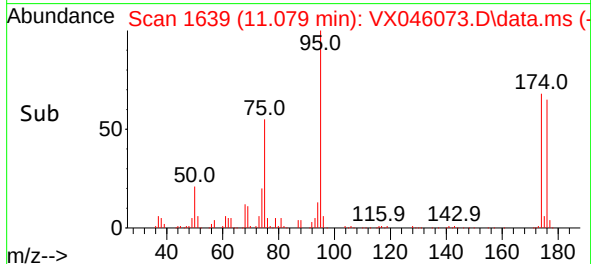
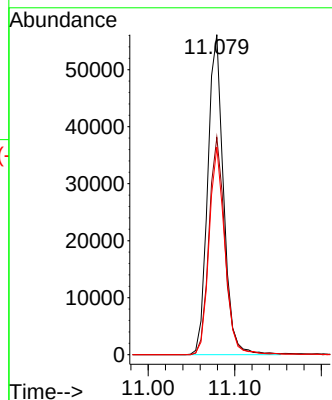
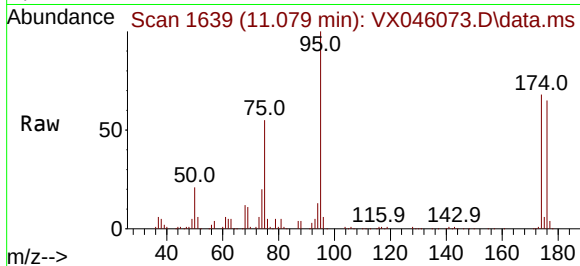




#62
4-Bromofluorobenzene
Concen: 49.776 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

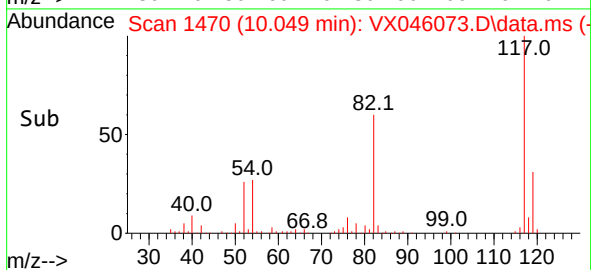
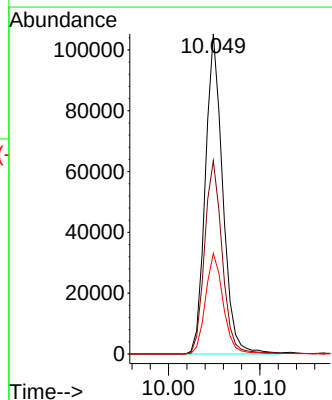
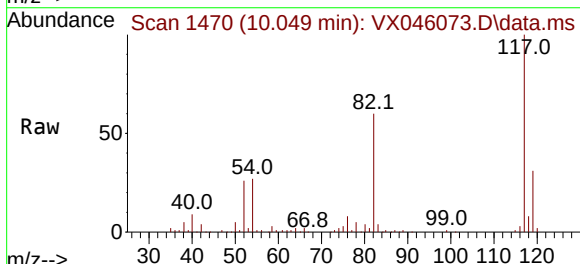
Instrument :
MSVOA_X
ClientSampleId :
3832

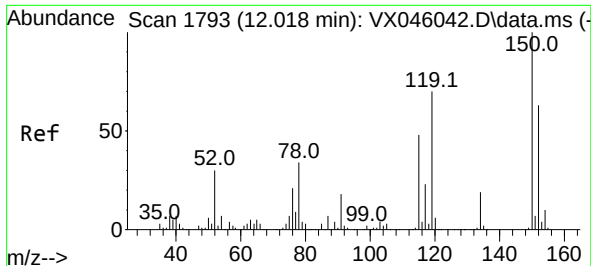
Tgt Ion: 95 Resp: 71105
Ion Ratio Lower Upper
95 100
174 68.9 0.0 135.8
176 64.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 117 Resp: 138805
Ion Ratio Lower Upper
117 100
82 60.4 50.6 76.0
119 31.4 25.8 38.6

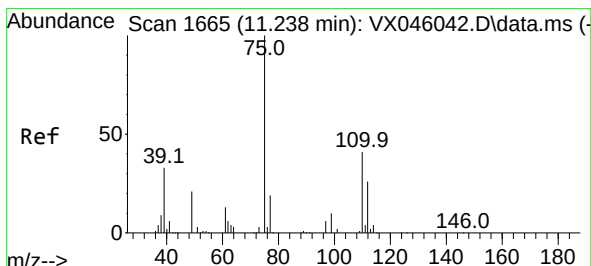
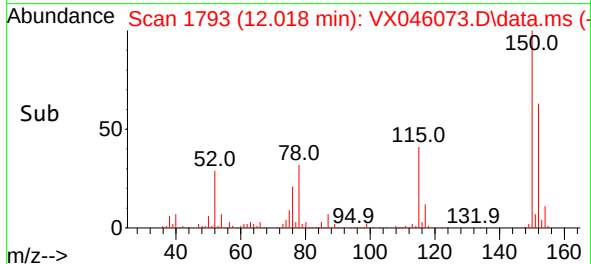
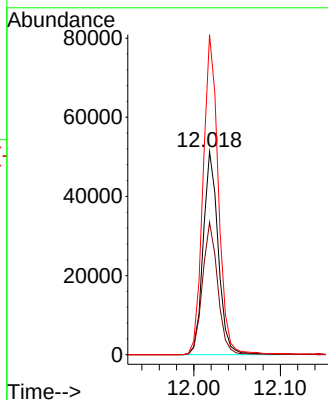
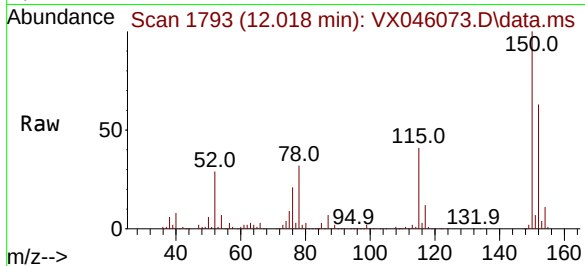




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

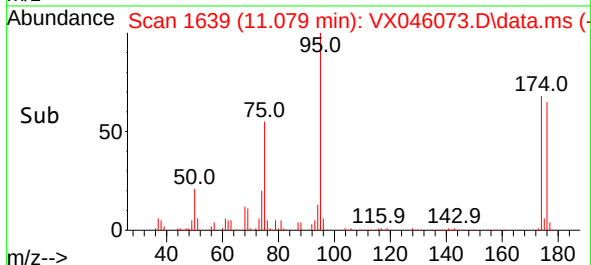
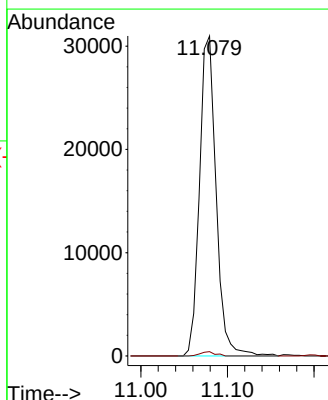
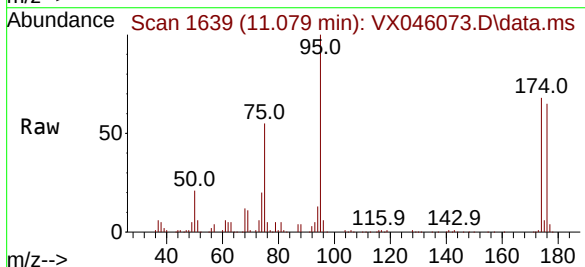
Instrument :
MSVOA_X
ClientSampleId :
3832

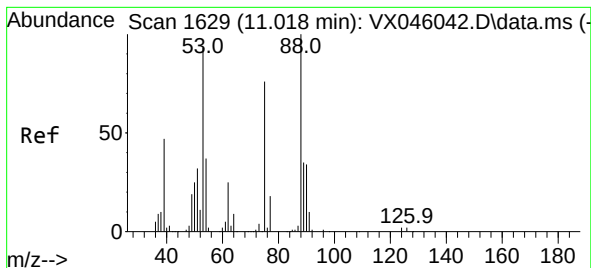
Tgt Ion:152 Resp: 61932
Ion Ratio Lower Upper
152 100
115 66.2 46.9 140.7
150 160.5 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 27.683 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 75 Resp: 41268
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#

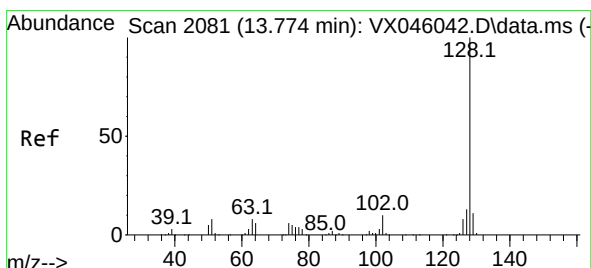
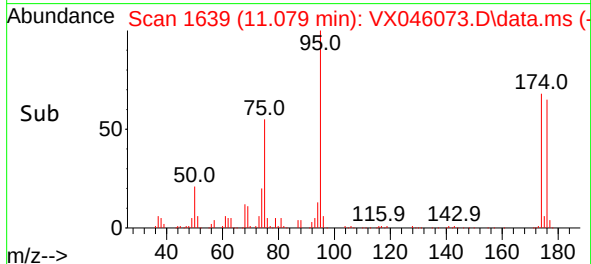
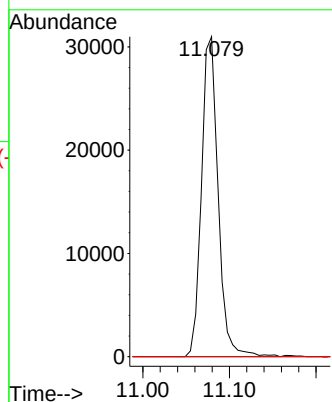
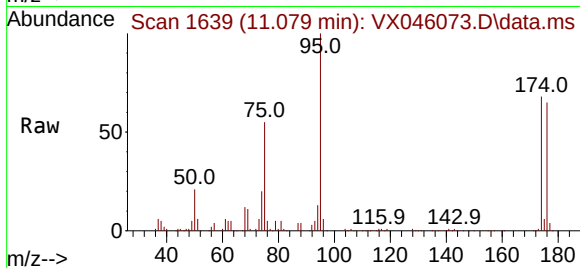




#81
trans-1,4-Dichloro-2-butene
Concen: 90.127 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

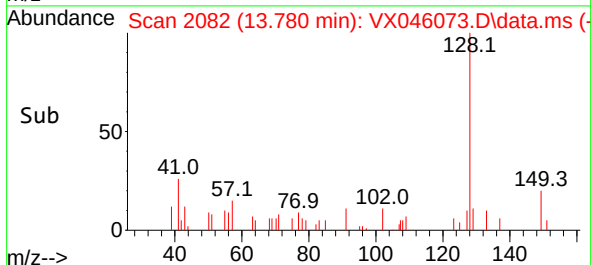
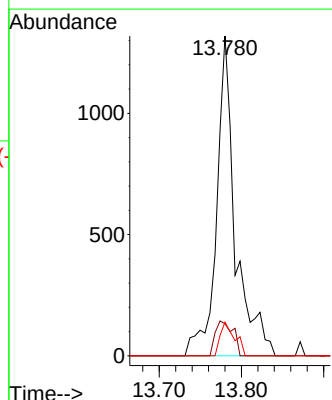
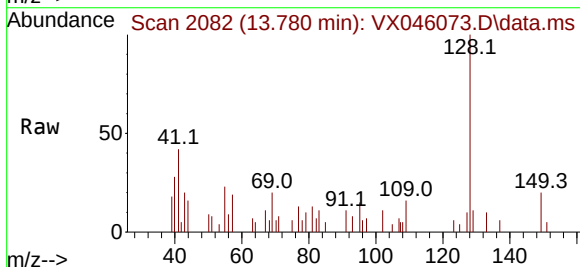
Instrument :
MSVOA_X
ClientSampleId :
3832

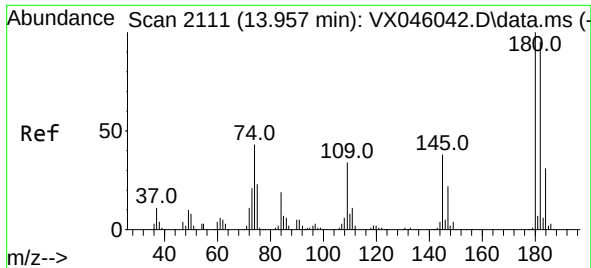
Tgt Ion: 75 Resp: 41268
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.483 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046073.D
Acq: 07 May 2025 15:26

Tgt Ion: 128 Resp: 2087
Ion Ratio Lower Upper
128 100
127 10.3 10.4 15.6#
129 8.1 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.262 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX046073.D
 Acq: 07 May 2025 15:26

Instrument :
 MSVOA_X
 ClientSampleId :
 3832

Tgt Ion:180 Resp: 318
 Ion Ratio Lower Upper
 180 100
 182 106.9 47.8 143.3
 145 97.5 18.1 54.3#

