

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046824.D
 Acq On : 23 Jun 2025 16:38
 Operator : JC/MD
 Sample : Q2371-04 400X
 Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RPXY42025DL

Quant Time: Jun 24 04:10:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

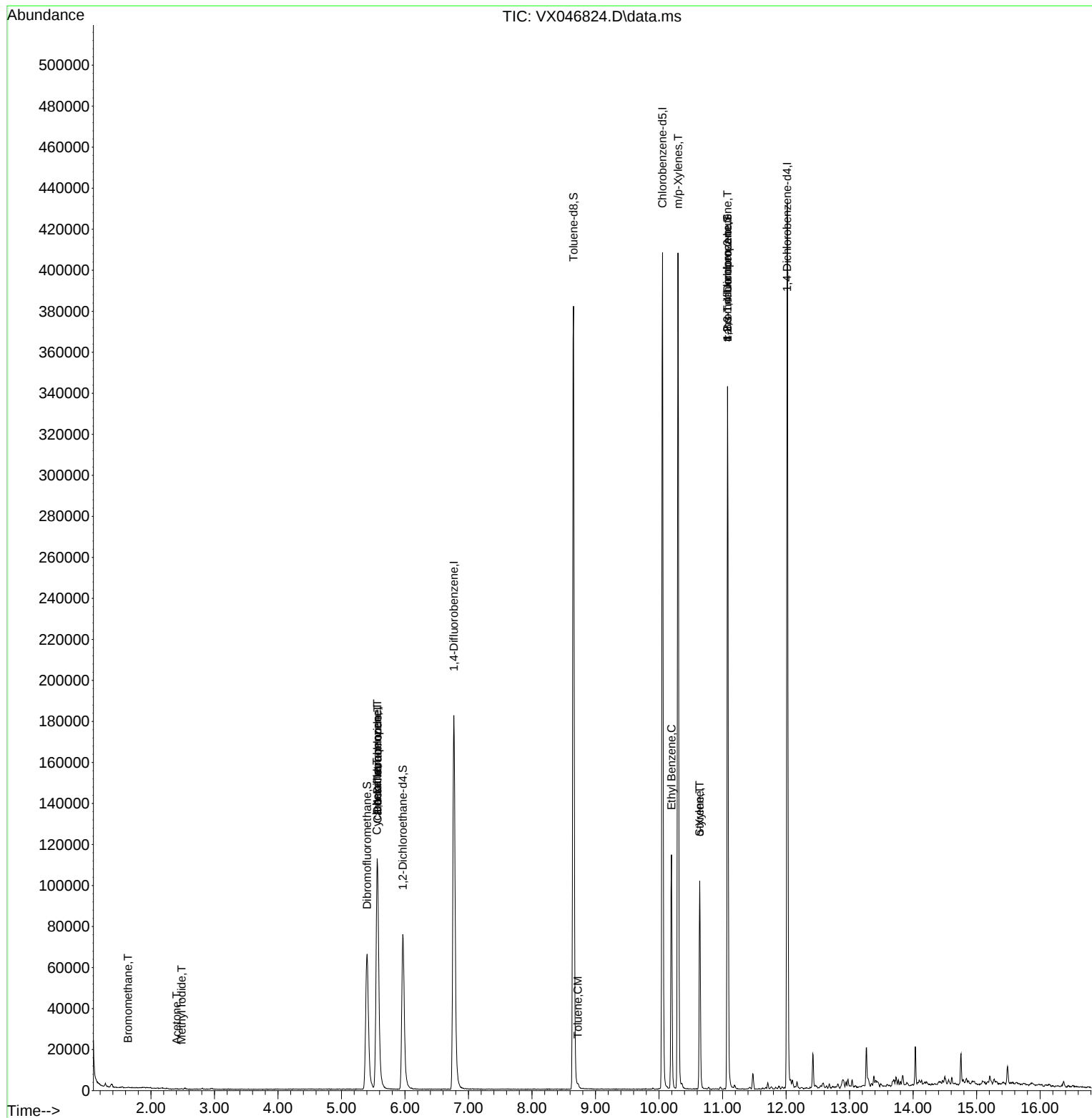
Internal Standards						
1) Pentafluorobenzene	5.562	168	116345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	201396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	79202	49.216	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.440%		
35) Dibromofluoromethane	5.403	113	63780	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.653	98	238294	49.776	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.560%		
62) 4-Bromofluorobenzene	11.079	95	92217	51.675	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.340%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	236	0.293	ug/l	93
10) Methyl Iodide	2.483	142	287	4.491	ug/l #	87
16) Acetone	2.404	43	314	0.585	ug/l #	44
31) Cyclohexane	5.556	56	888	0.369	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	9191	4.778	ug/l #	50
38) Carbon Tetrachloride	5.568	117	11952	5.726	ug/l #	16
52) Toluene	8.720	92	906	0.257	ug/l	95
67) Ethyl Benzene	10.195	91	68180	9.566	ug/l	99
68) m/p-Xylenes	10.299	106	92564	34.854	ug/l	99
69) o-Xylene	10.640	106	22590	9.076	ug/l	93
70) Styrene	10.640	104	991	0.228	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	46318	27.611	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46318	78.044	ug/l #	7

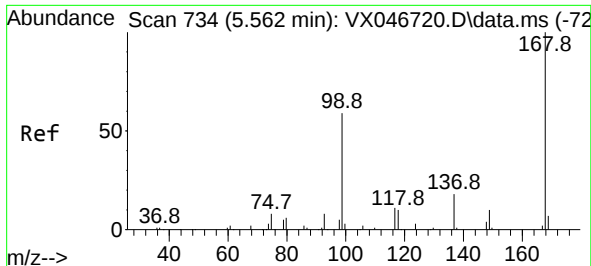
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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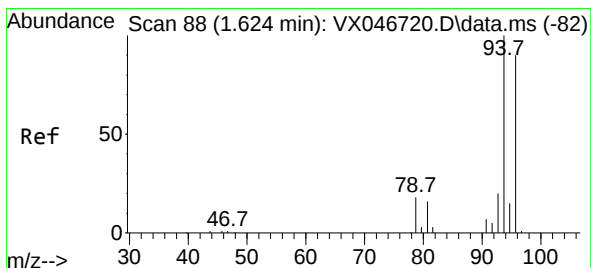
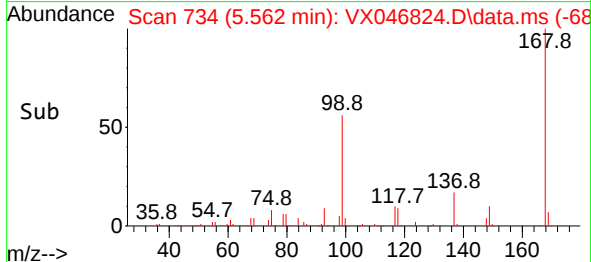
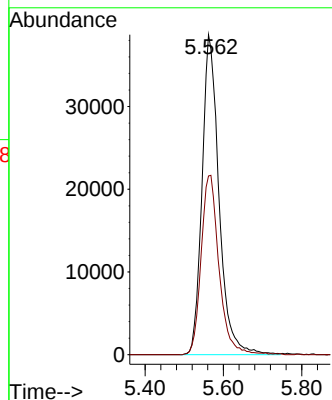
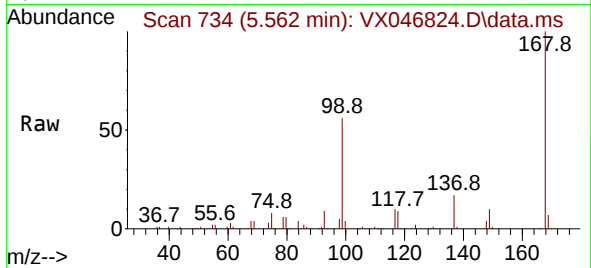




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

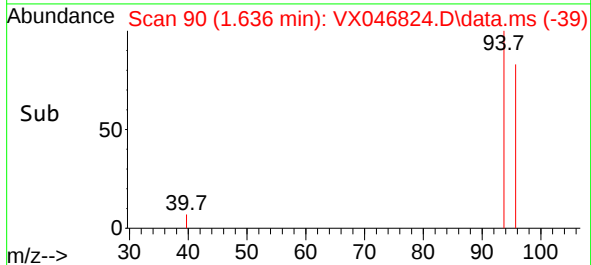
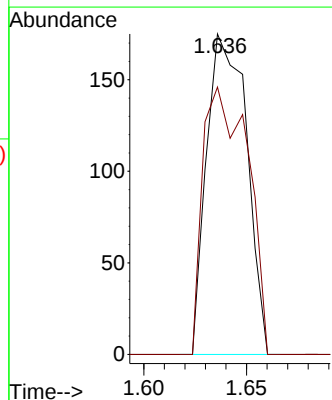
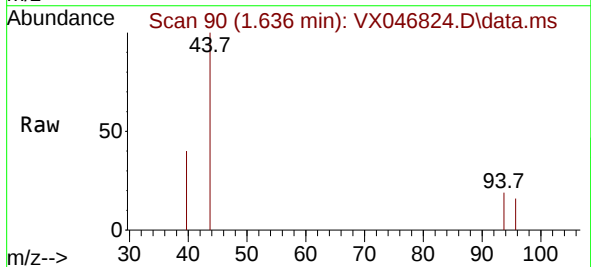
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

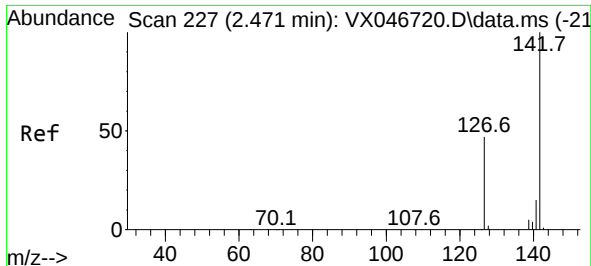
Tgt Ion:168 Resp: 116345
Ion Ratio Lower Upper
168 100
99 55.9 48.5 72.7



#5
Bromomethane
Concen: 0.293 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 94 Resp: 236
Ion Ratio Lower Upper
94 100
96 83.4 72.3 108.5

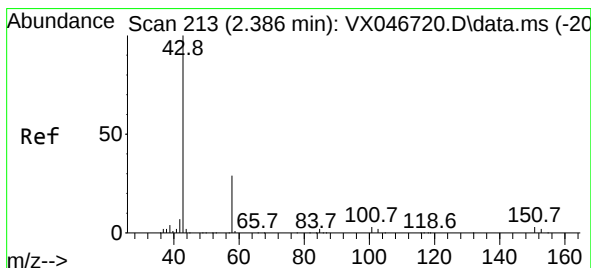
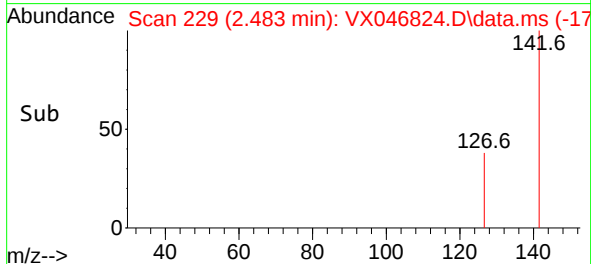
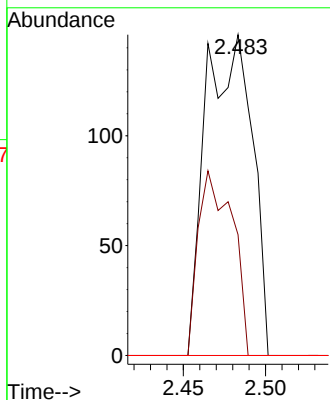
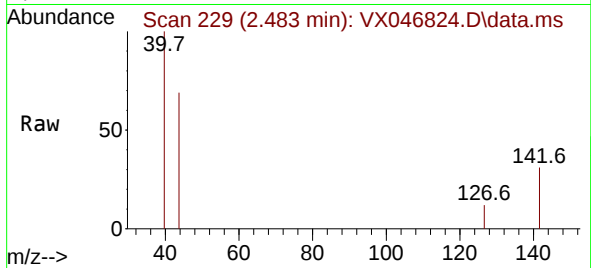




#10
Methyl Iodide
Concen: 4.491 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

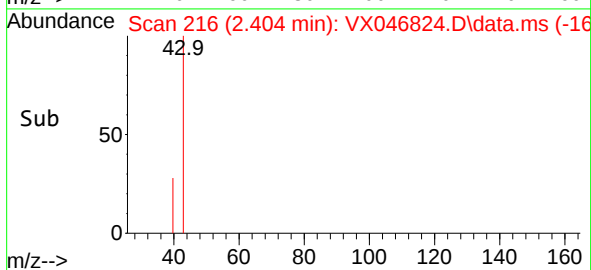
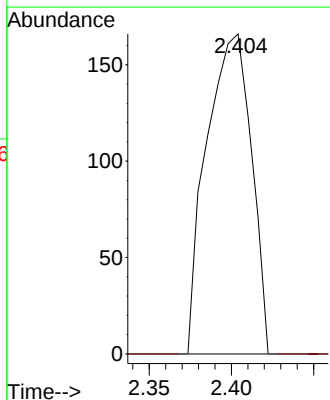
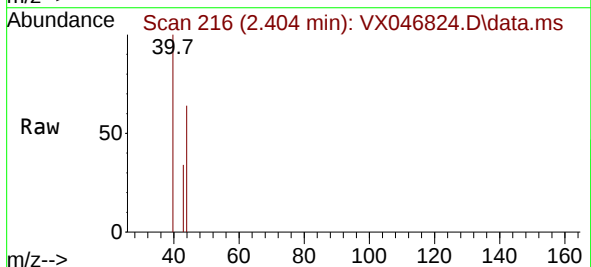
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

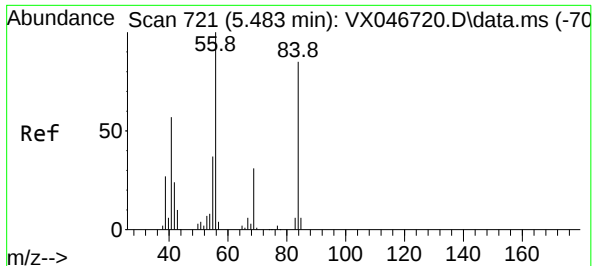
Tgt Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 42.5 37.0 55.6
141 0.0 11.5 17.3#



#16
Acetone
Concen: 0.585 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#

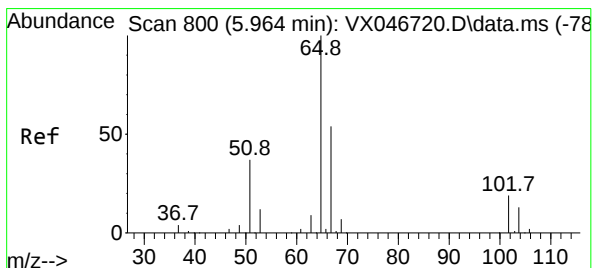
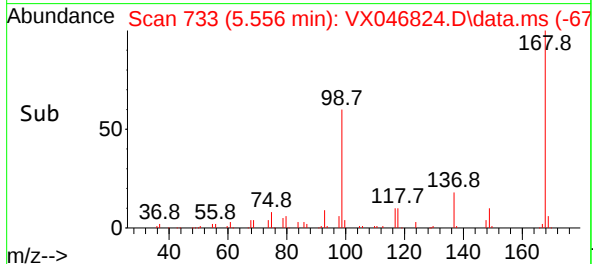
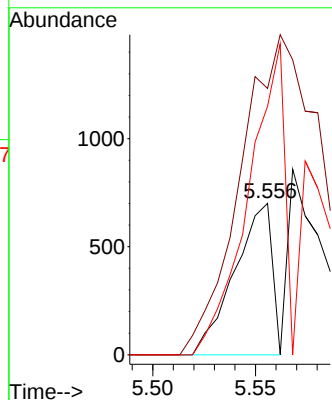
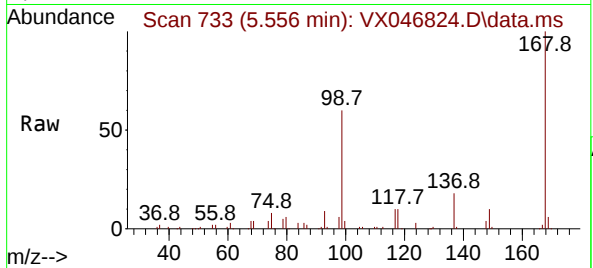




#31
Cyclohexane
Concen: 0.369 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

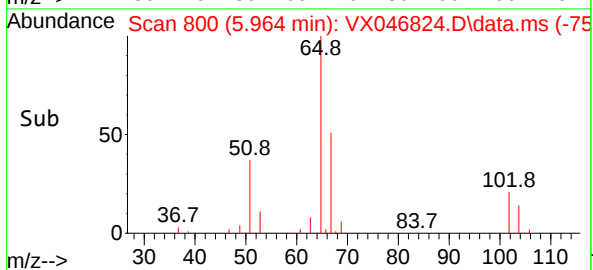
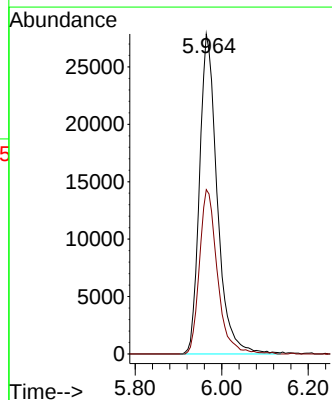
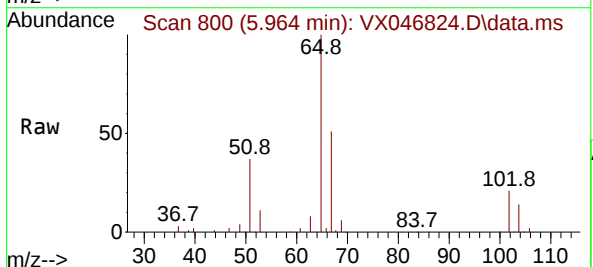
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

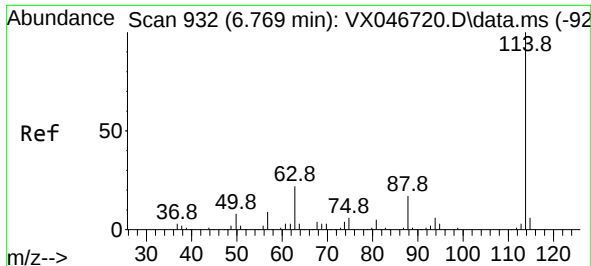
Tgt Ion: 56 Resp: 888
Ion Ratio Lower Upper
56 100
69 175.7 24.8 37.2#
84 164.1 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 49.216 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 65 Resp: 79202
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

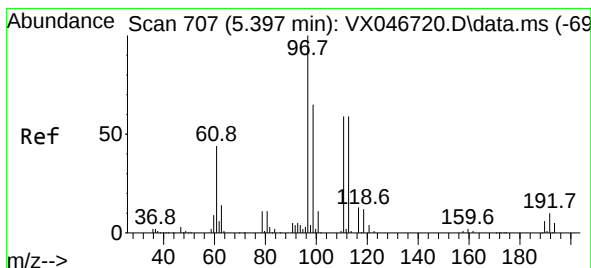
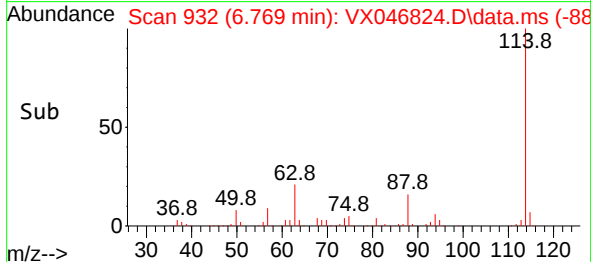
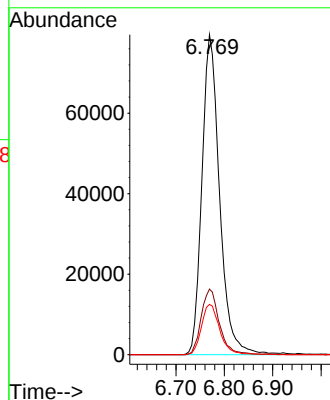
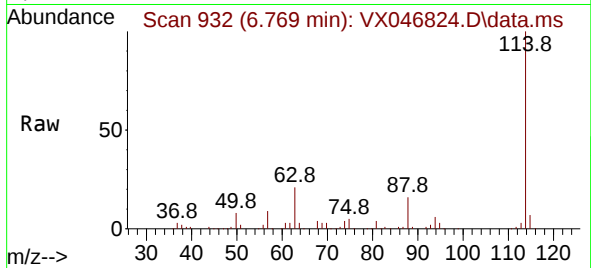




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

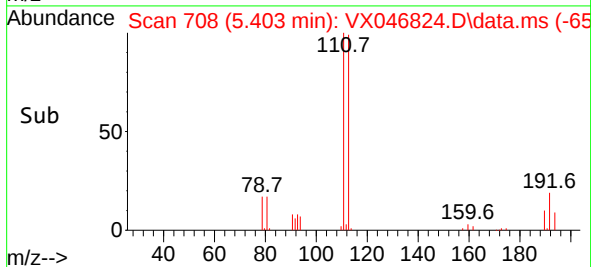
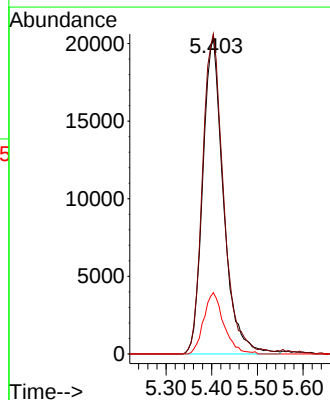
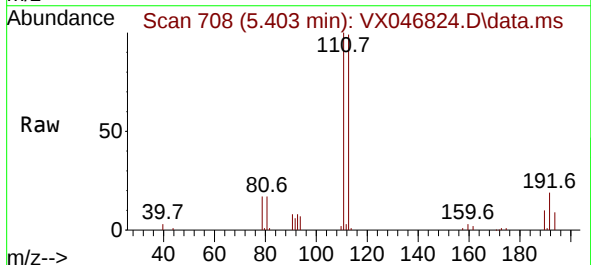
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

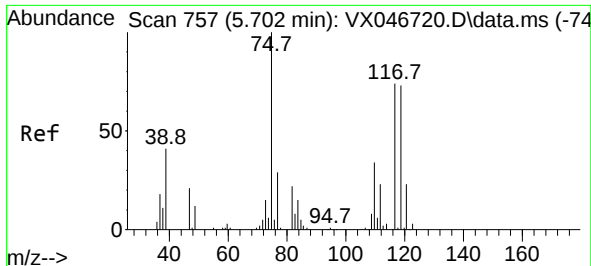
Tgt Ion:114 Resp: 201396
Ion Ratio Lower Upper
114 100
63 20.5 0.0 44.2
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.865 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:113 Resp: 63780
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 19.0 15.3 22.9

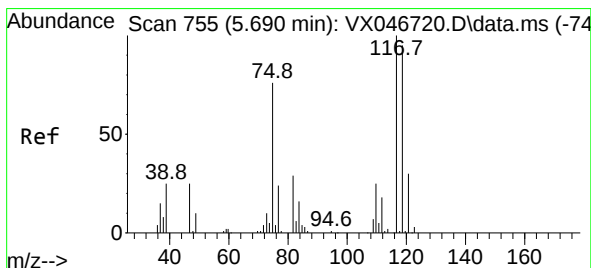
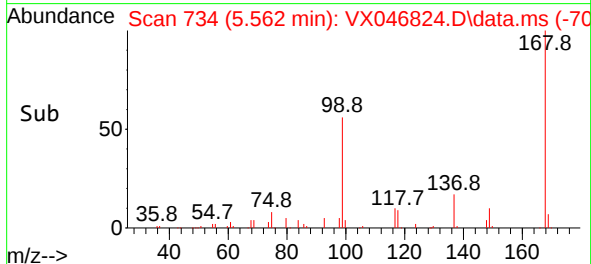
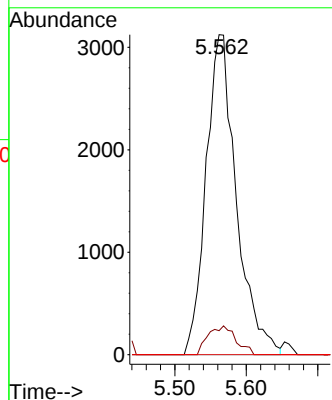
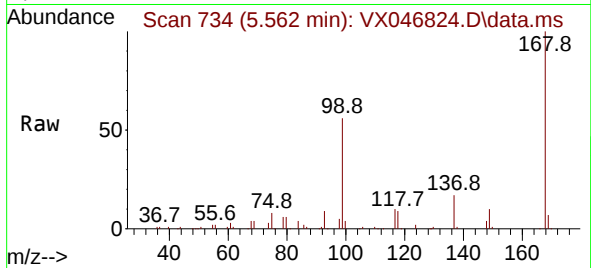




#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

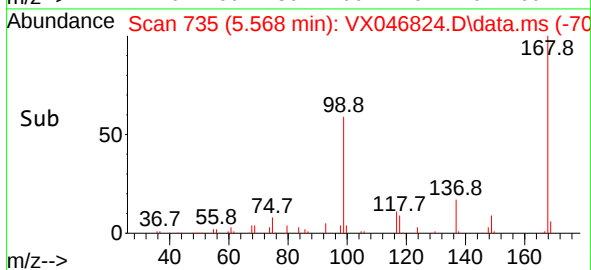
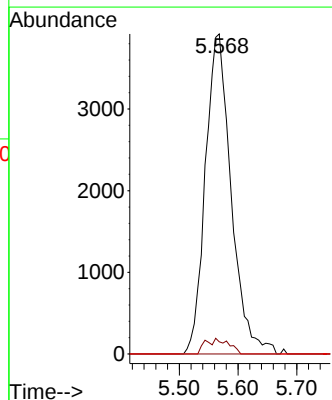
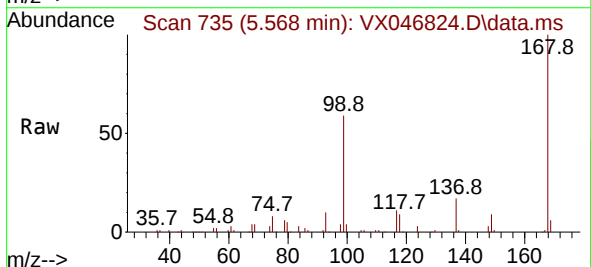
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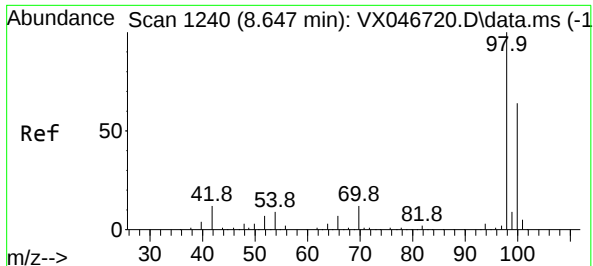
Tgt Ion: 75 Resp: 9191
Ion Ratio Lower Upper
75 100
110 8.2 17.2 51.5#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.726 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 117 Resp: 11952
Ion Ratio Lower Upper
117 100
119 3.8 75.2 112.8#
121 0.0 24.1 36.1#

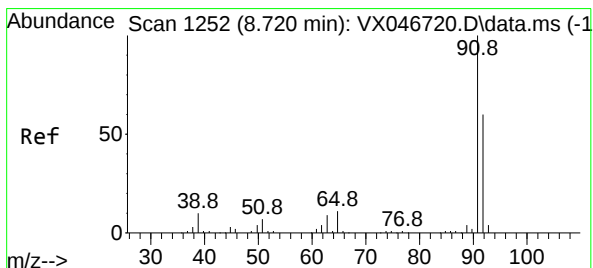
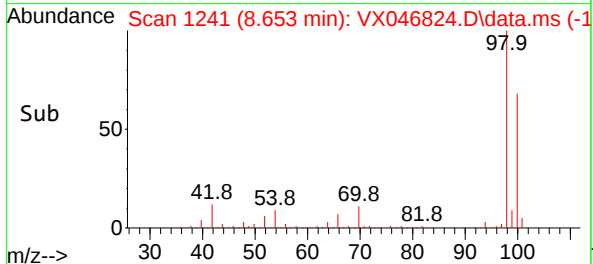
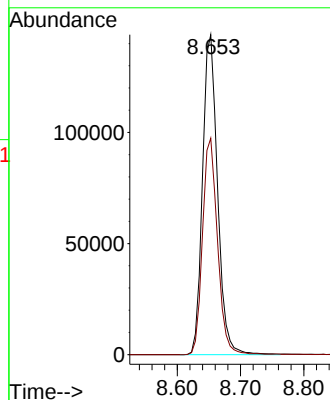
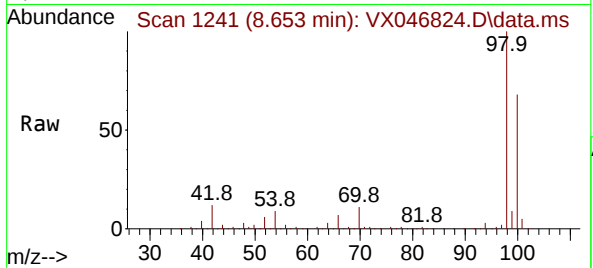




#50
Toluene-d8
Concen: 49.776 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

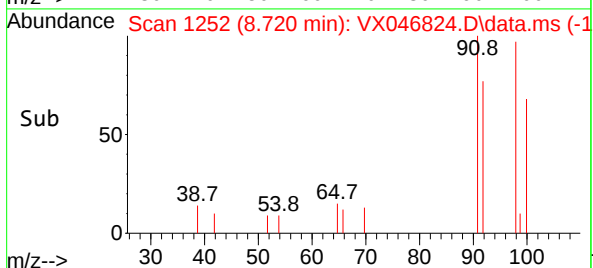
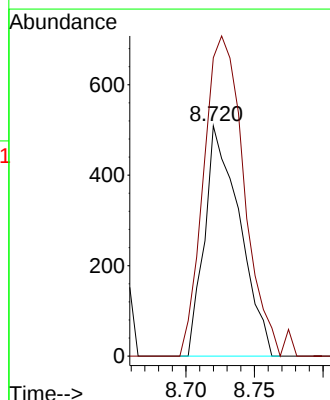
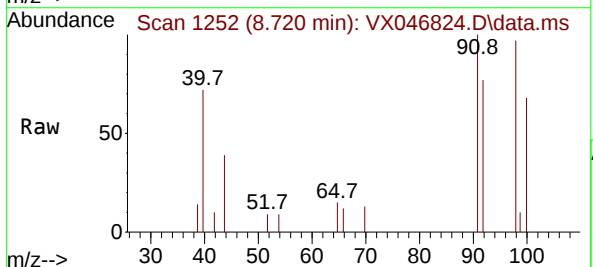
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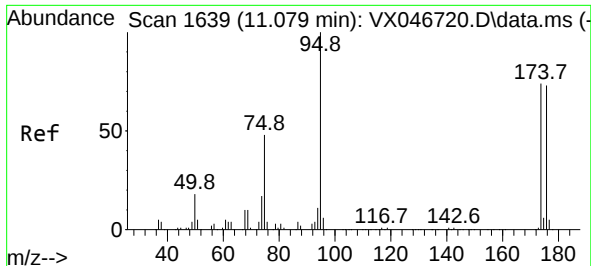
Tgt Ion: 98 Resp: 238294
Ion Ratio Lower Upper
98 100
100 67.5 53.0 79.4



#52
Toluene
Concen: 0.257 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 92 Resp: 906
Ion Ratio Lower Upper
92 100
91 161.9 134.8 202.2

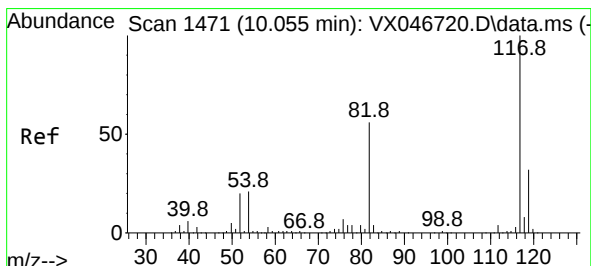
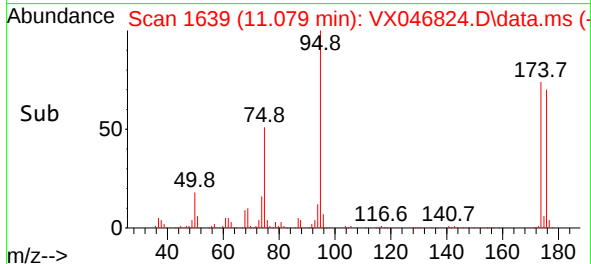
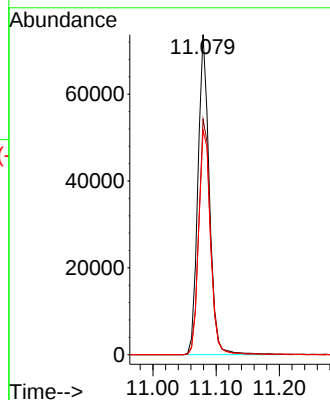
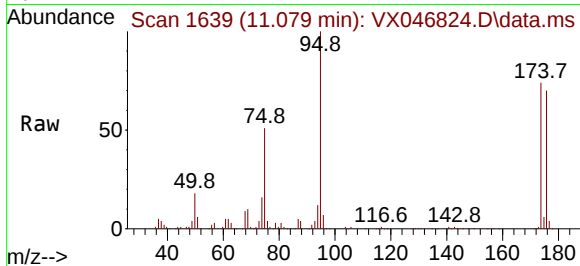




#62
4-Bromofluorobenzene
Concen: 51.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

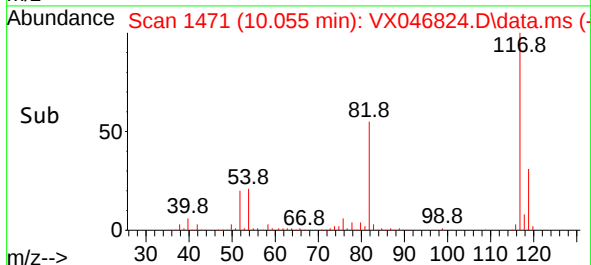
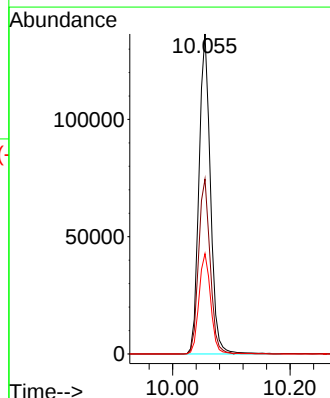
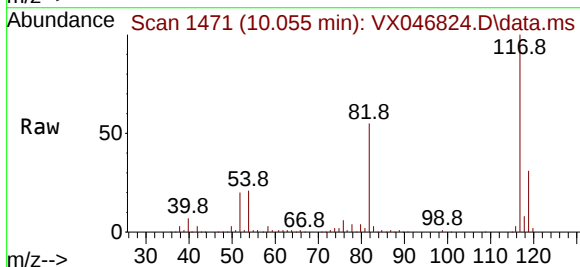
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

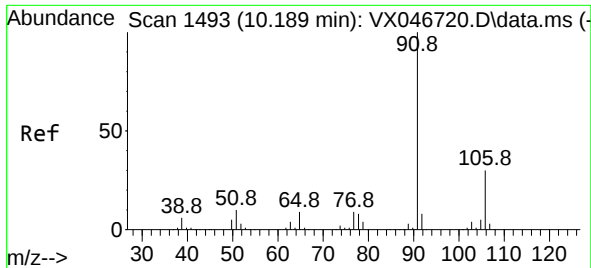
Tgt Ion: 95 Resp: 92217
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.4
176 73.2 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 117 Resp: 184795
Ion Ratio Lower Upper
117 100
82 54.7 44.6 66.8
119 31.3 25.8 38.8

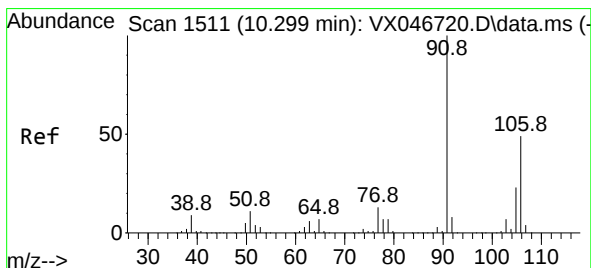
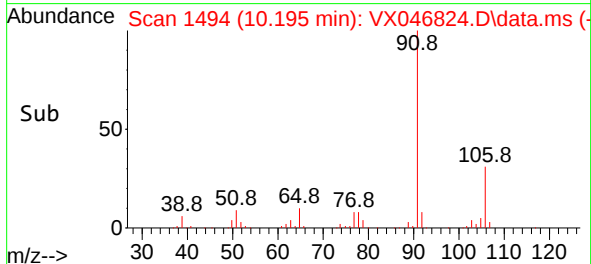
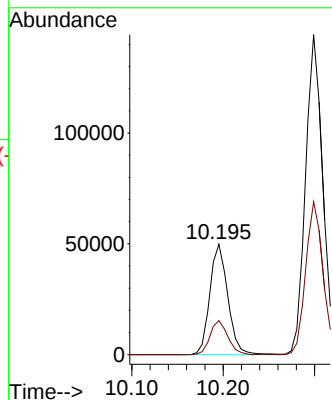
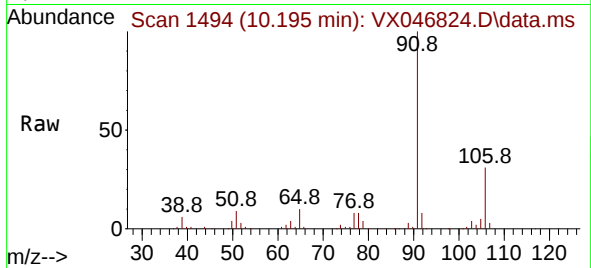




#67
Ethyl Benzene
Concen: 9.566 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

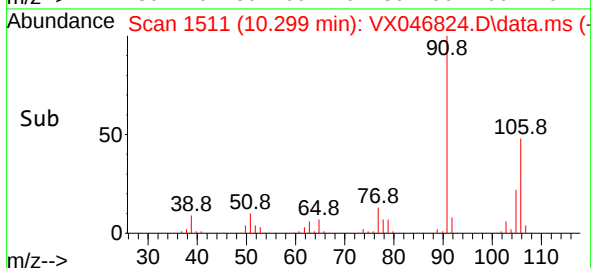
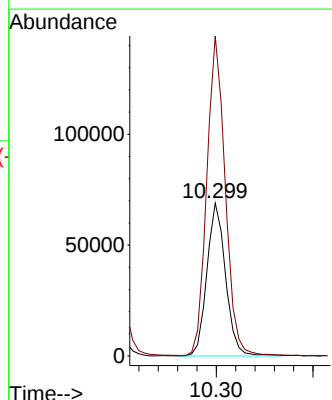
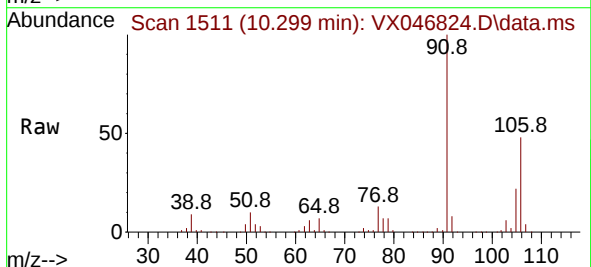
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

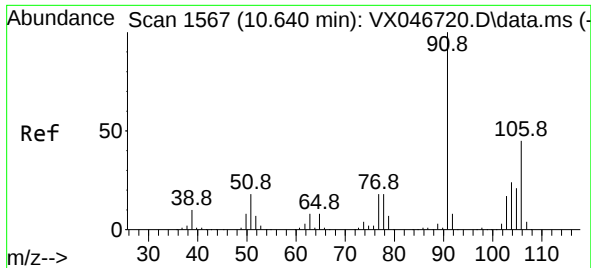
Tgt Ion: 91 Resp: 68180
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.2



#68
m/p-Xylenes
Concen: 34.854 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:106 Resp: 92564
Ion Ratio Lower Upper
106 100
91 208.1 164.8 247.2

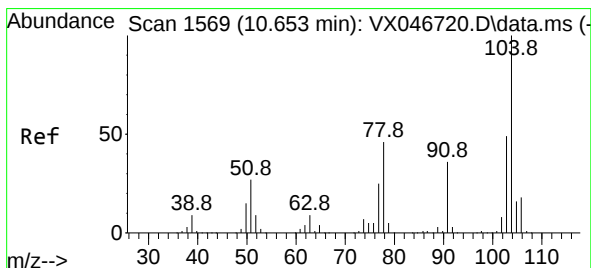
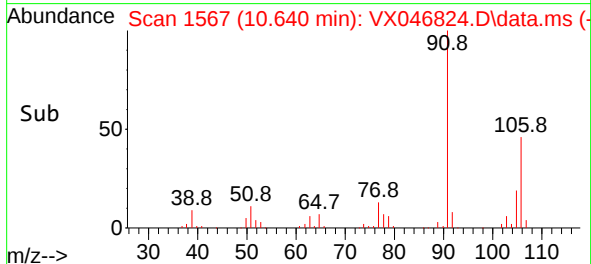
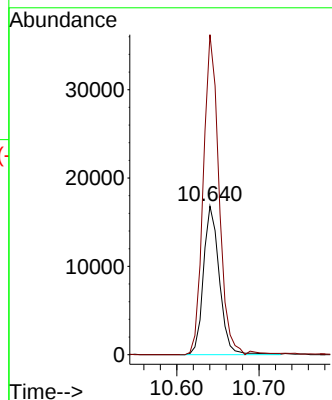
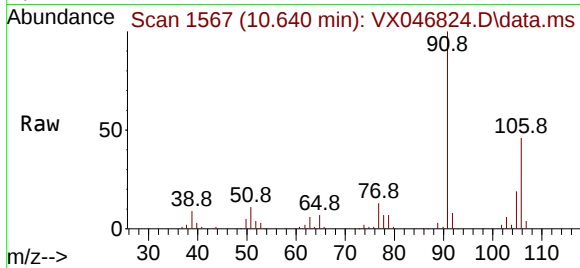




#69
o-Xylene
Concen: 9.076 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

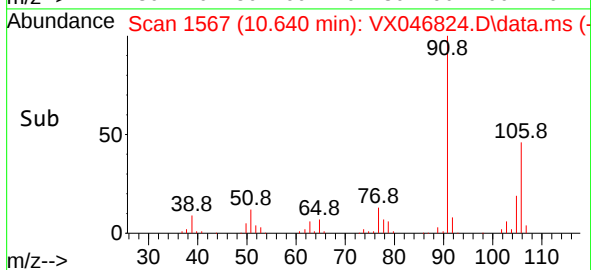
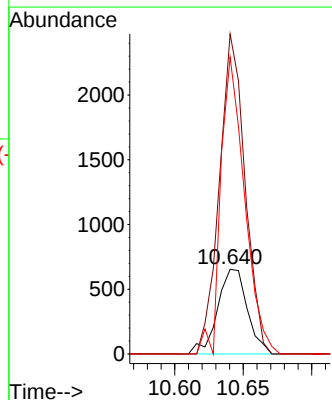
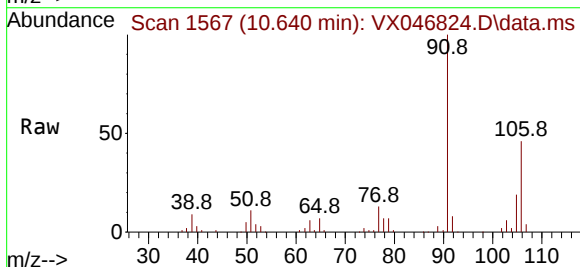
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

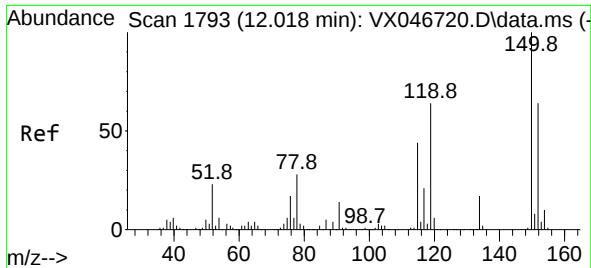
Tgt Ion:106 Resp: 22590
Ion Ratio Lower Upper
106 100
91 211.3 111.3 333.9



#70
Styrene
Concen: 0.228 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.012 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:104 Resp: 991
Ion Ratio Lower Upper
104 100
78 324.9 41.4 62.2#
103 278.6 43.1 64.7#

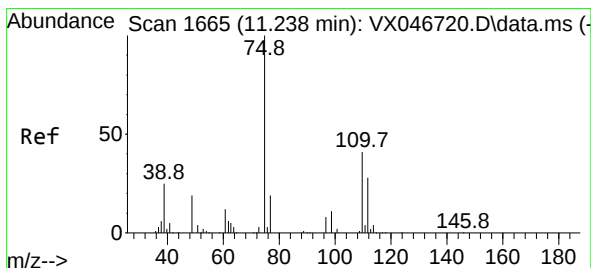
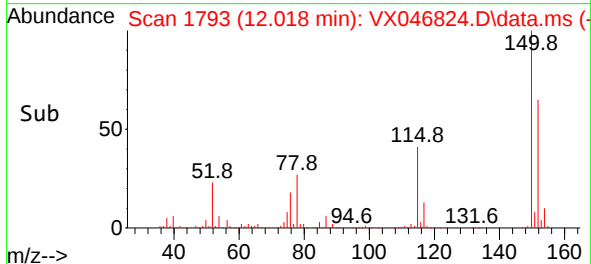
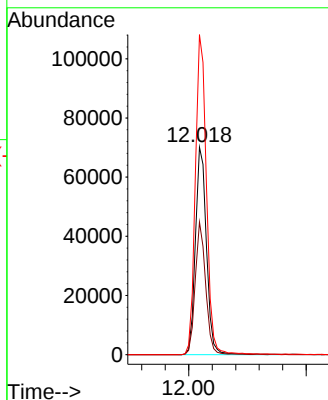
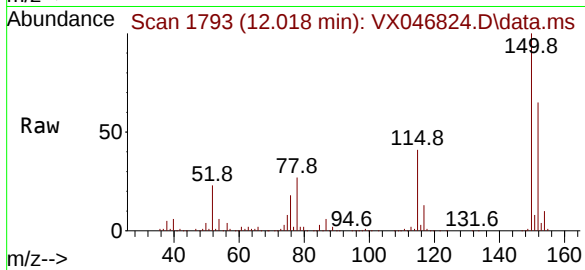




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

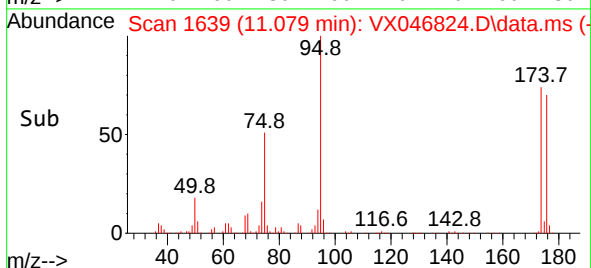
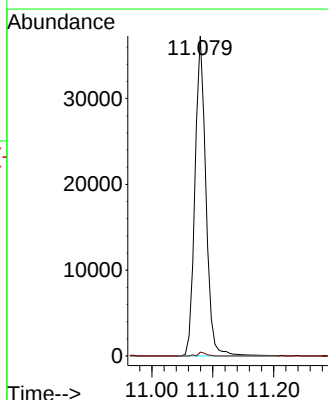
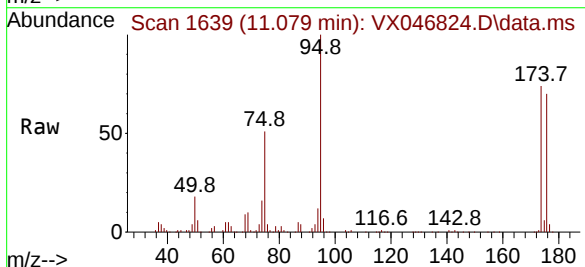
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

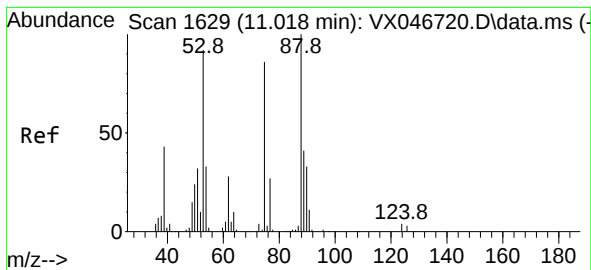
Tgt Ion:152 Resp: 91592
Ion Ratio Lower Upper
152 100
115 60.6 43.2 129.6
150 154.9 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 27.611 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 75 Resp: 46318
Ion Ratio Lower Upper
75 100
77 0.9 18.5 55.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.044 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046824.D
 Acq: 23 Jun 2025 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 RPXY42025DL

Tgt Ion: 75 Resp: 46318
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 36.9 55.3#

