

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063025\
 Data File : VX046841.D
 Acq On : 30 Jun 2025 15:44
 Operator : JC/MD
 Sample : Q2371-05DL 1000X
 Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

Quant Time: Jul 01 05:32:08 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)

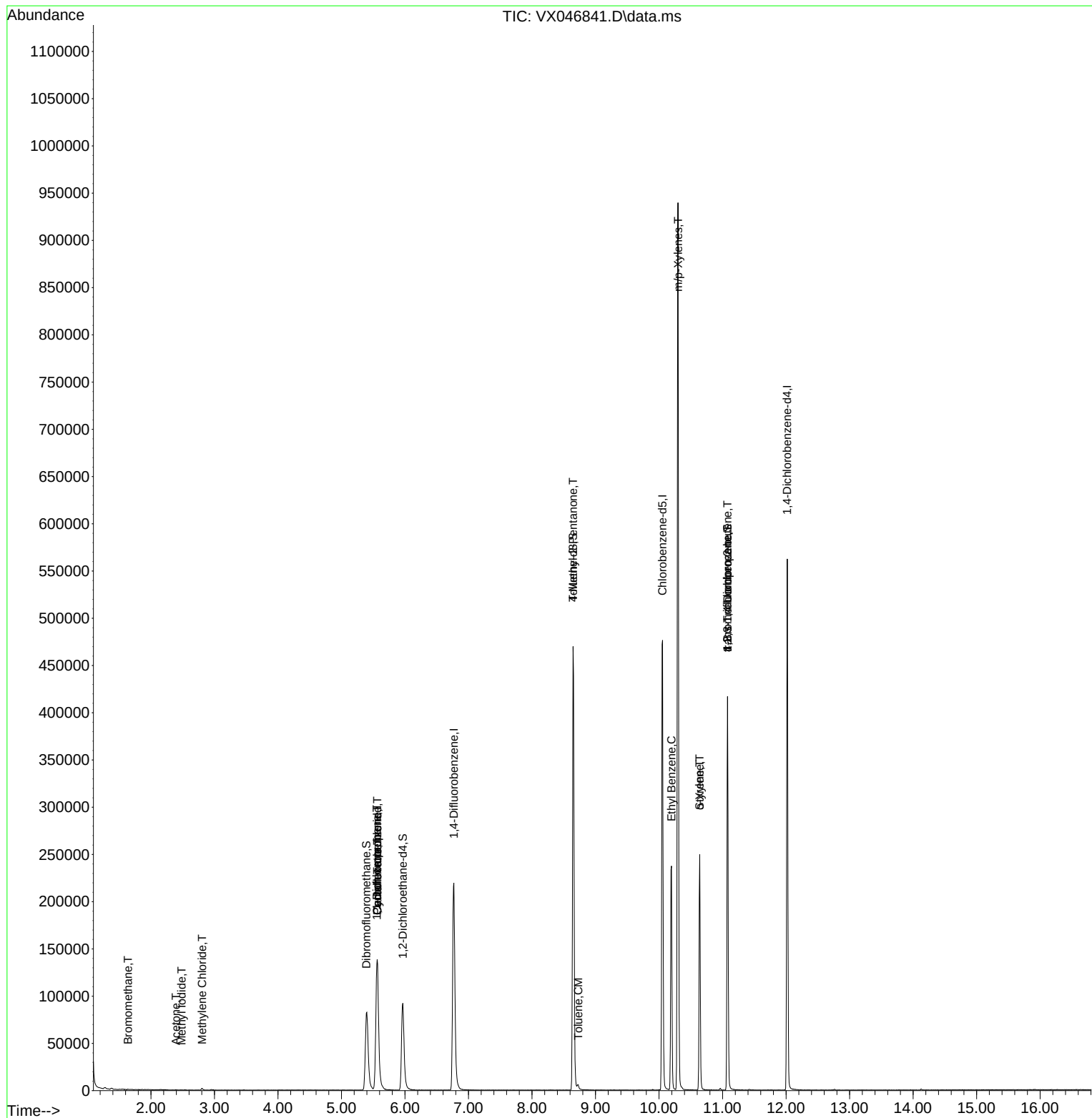
Internal Standards						
1) Pentafluorobenzene	5.562	168	145464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98174	48.794	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.580%			
35) Dibromofluoromethane	5.391	113	80730	50.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.400%			
50) Toluene-d8	8.647	98	290243	50.236	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	111223	51.643	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.280%			
Target Compounds						Qvalue
5) Bromomethane	1.636	94	276	0.274	ug/l	91
10) Methyl Iodide	2.483	142	287	4.459	ug/l #	63
16) Acetone	2.392	43	170	0.253	ug/l #	44
20) Methylene Chloride	2.806	84	906	0.486	ug/l #	76
31) Cyclohexane	5.562	56	3042	1.010	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	11777	5.073	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15077	5.985	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1338	0.669	ug/l #	1
52) Toluene	8.726	92	2149	0.505	ug/l	100
67) Ethyl Benzene	10.195	91	144648	16.704	ug/l	97
68) m/p-Xylenes	10.299	106	215380	66.752	ug/l	99
69) o-Xylene	10.640	106	52796	17.460	ug/l	98
70) Styrene	10.640	104	2678	0.506	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	56446	27.126	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	56446	76.675	ug/l #	7

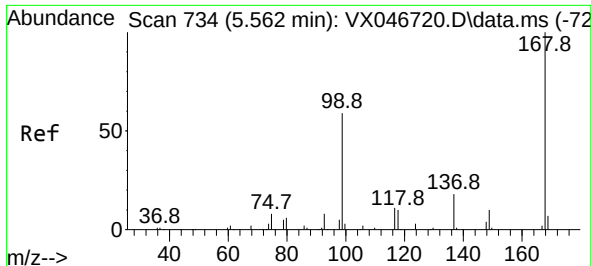
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063025\
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Sample : Q2371-05DL 1000X
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Instrument :
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Quant Time: Jul 01 05:32:08 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

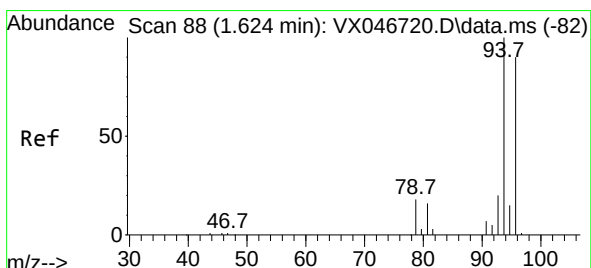
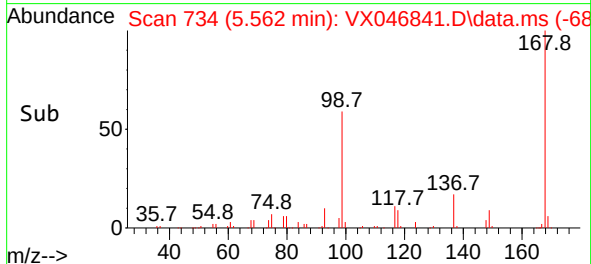
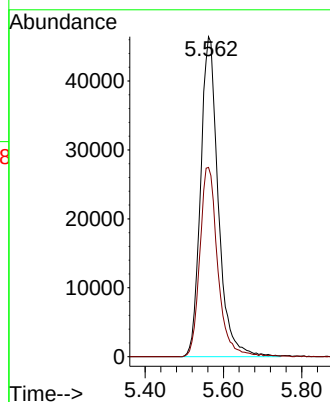
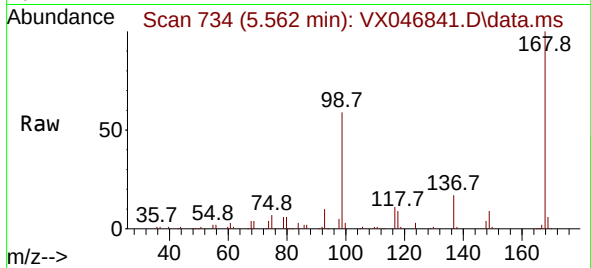




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

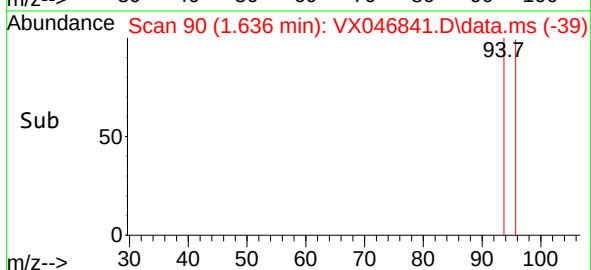
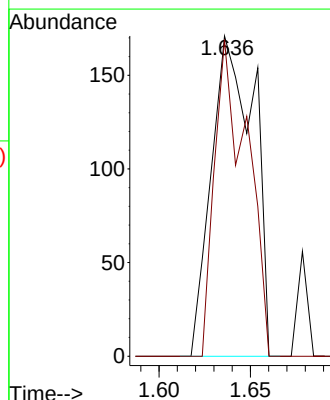
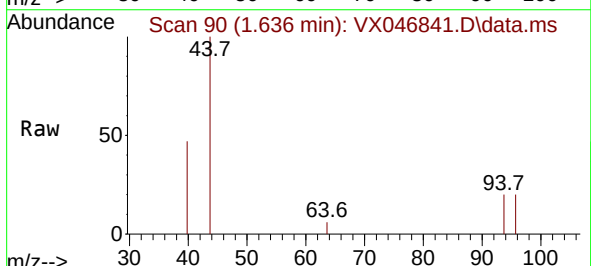
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

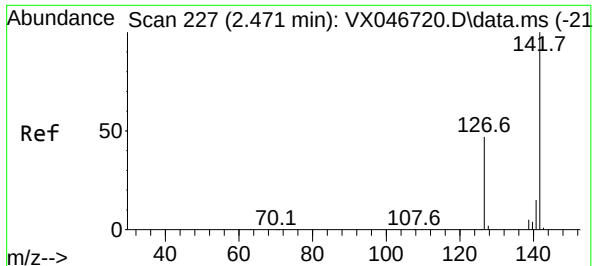
Tgt Ion:168 Resp: 145464
Ion Ratio Lower Upper
168 100
99 59.1 48.5 72.7



#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 98.8 72.3 108.5

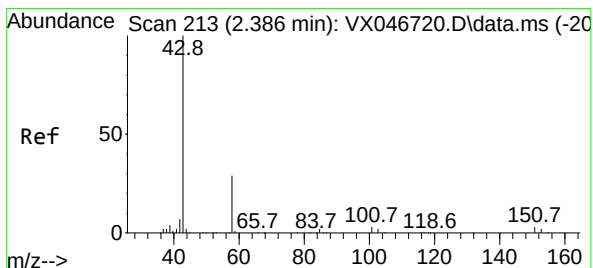
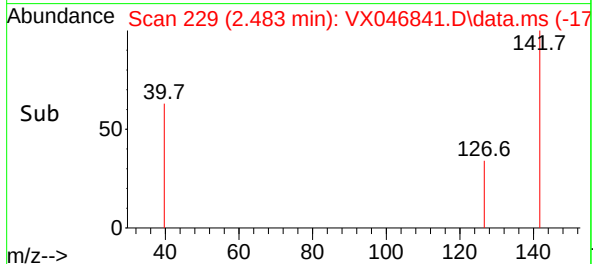
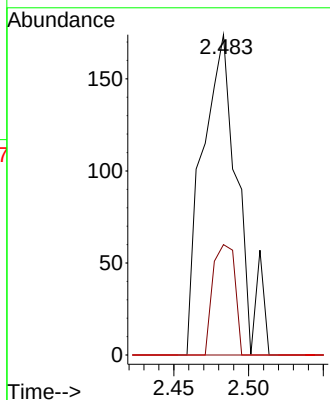
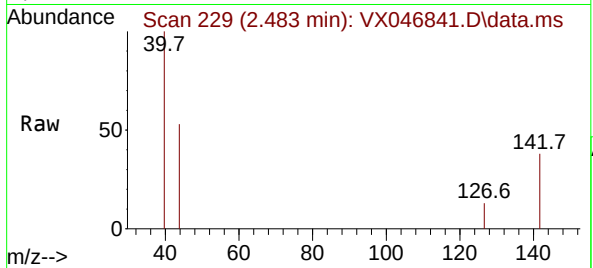




#10
Methyl Iodide
Concen: 4.459 ug/l
RT: 2.483 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

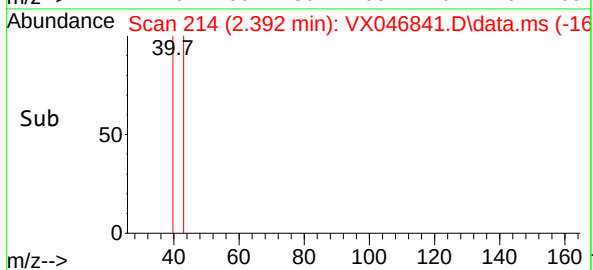
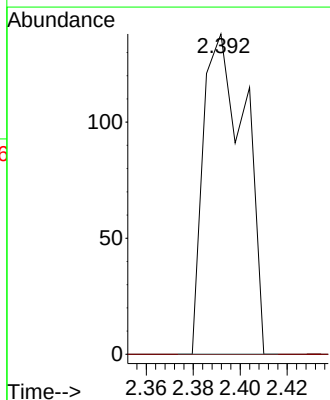
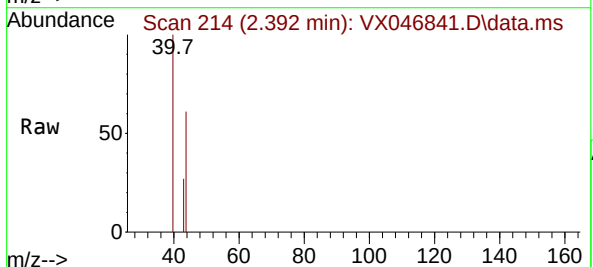
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

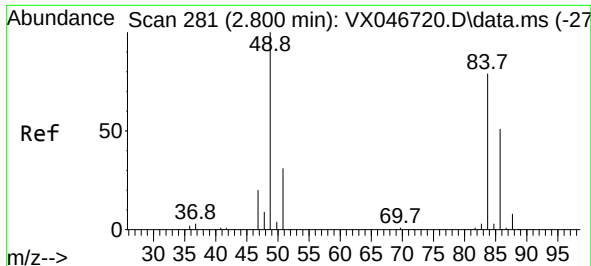
Tgt Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 21.3 37.0 55.6#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 0.253 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Tgt Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#

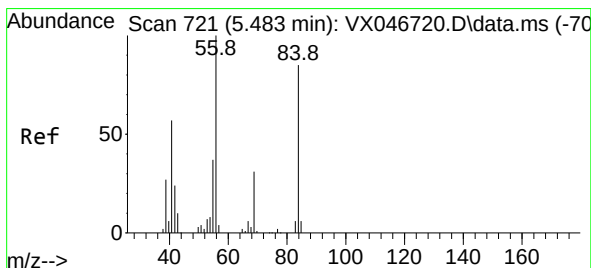
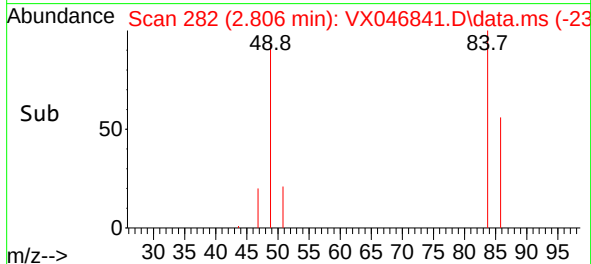
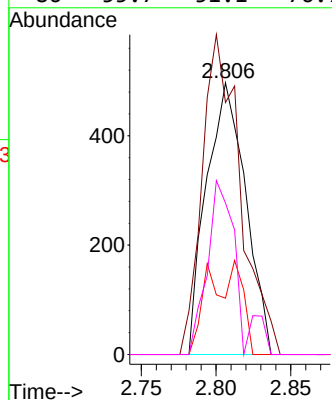
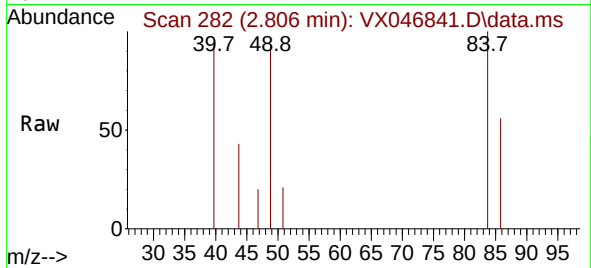




#20
Methylene Chloride
Concen: 0.486 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

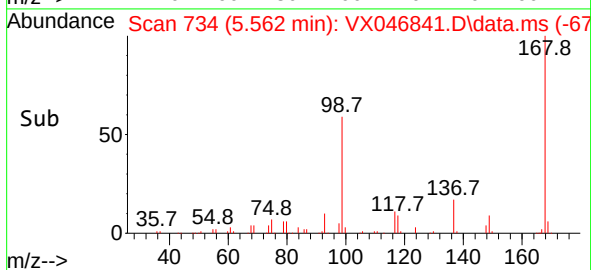
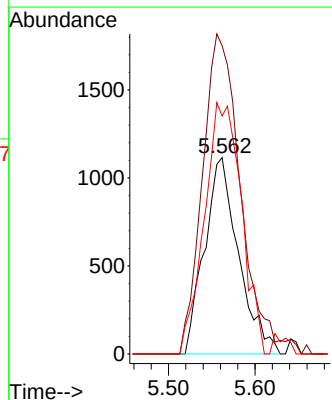
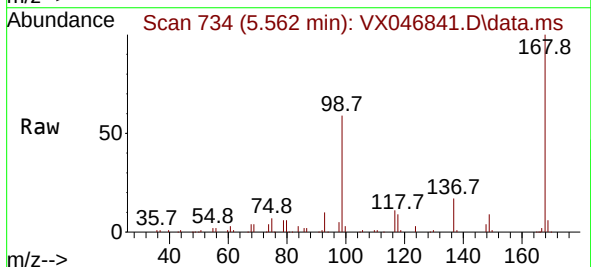
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

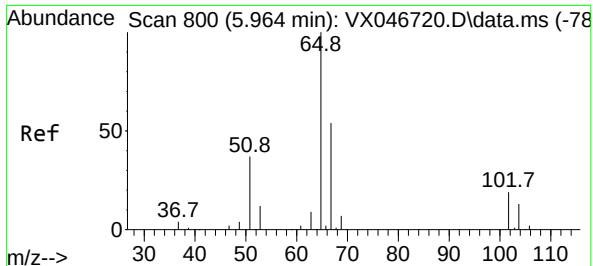
Tgt Ion: 84	Resp: 906
Ion Ratio	Lower Upper
84 100	
49 92.8	101.3 151.9#
51 20.7	31.0 46.6#
86 55.7	51.1 76.7



#31
Cyclohexane
Concen: 1.010 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Tgt Ion: 56	Resp:	3042	
Ion	Ratio	Lower	Upper
56	100		
69	157.0	24.8	37.2#
84	121.3	68.2	102.2#

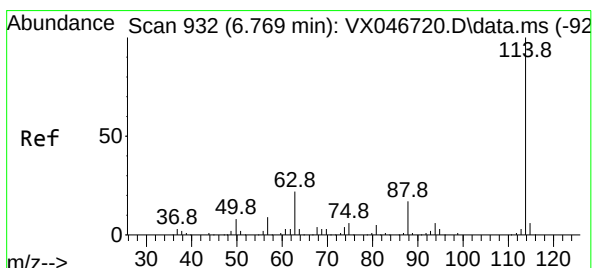
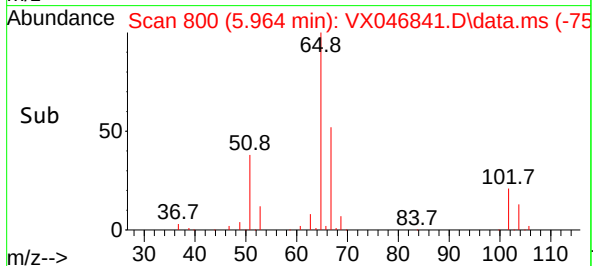
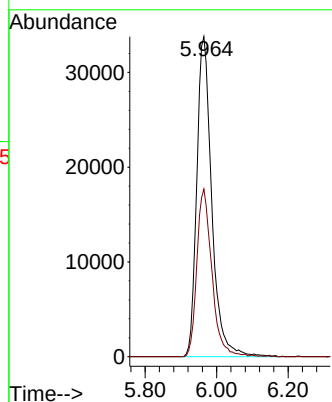
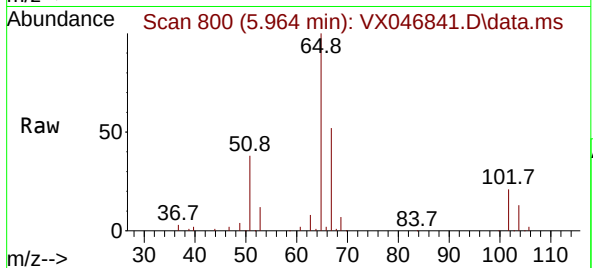




#33
 1,2-Dichloroethane-d4
 Concen: 48.794 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX046841.D
 Acq: 30 Jun 2025 15:44

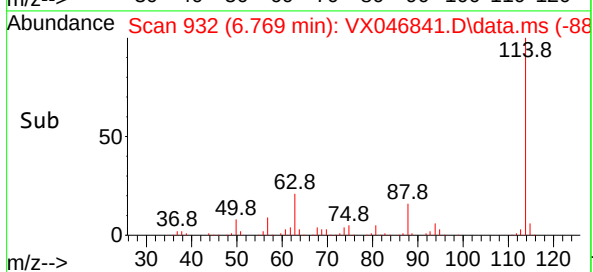
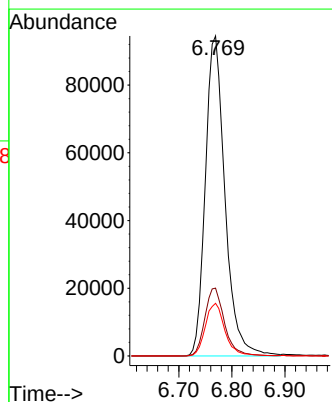
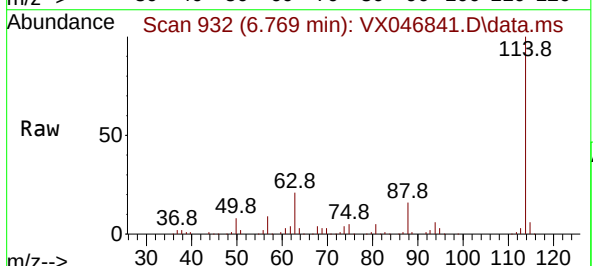
Instrument :
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 ClientSampleId :
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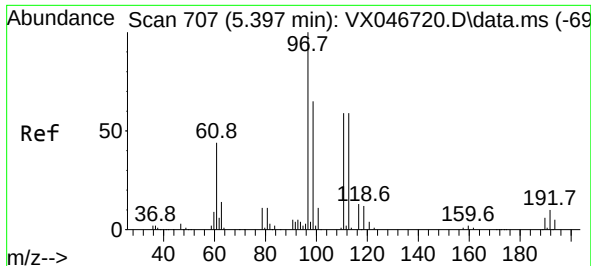
Tgt Ion: 65 Resp: 98174
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046841.D
 Acq: 30 Jun 2025 15:44

Tgt Ion: 114 Resp: 243053
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 44.2
 88 16.4 0.0 33.2

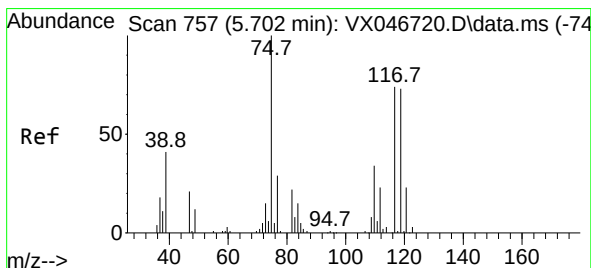
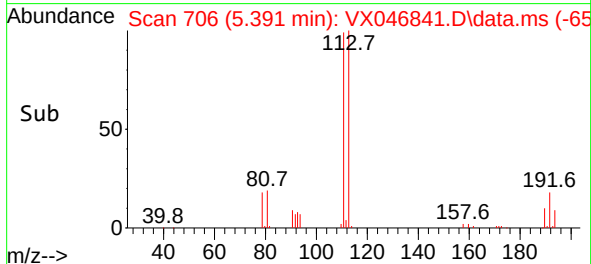
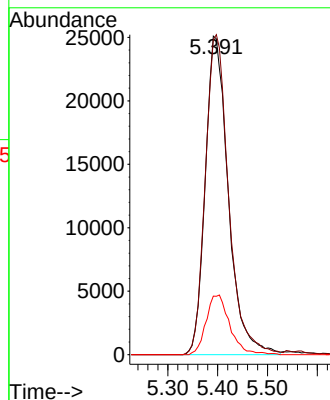
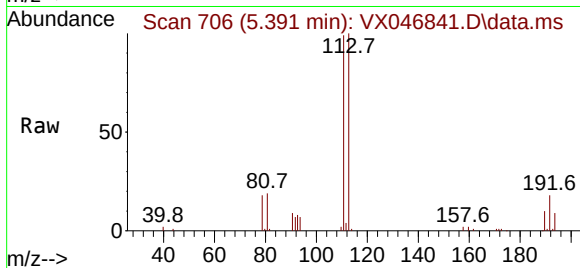




#35
Dibromofluoromethane
Concen: 50.202 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

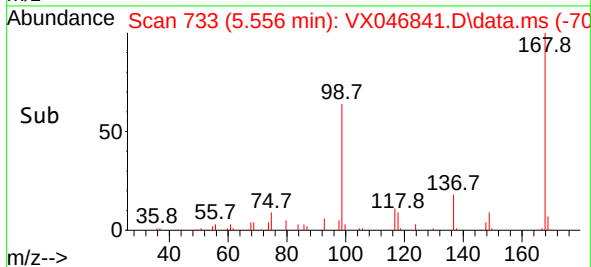
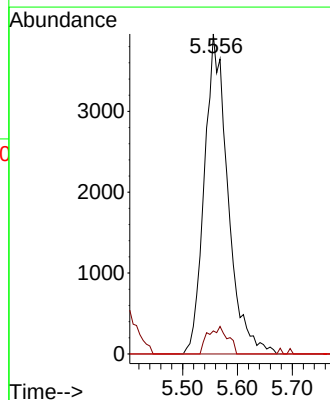
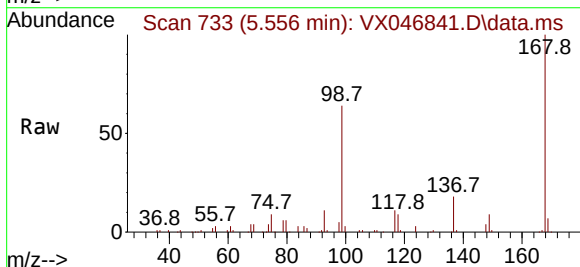
Instrument :
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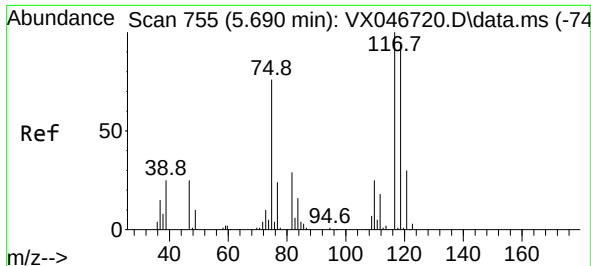
Tgt Ion:113 Resp: 80730
Ion Ratio Lower Upper
113 100
111 101.7 82.0 123.0
192 19.3 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.073 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

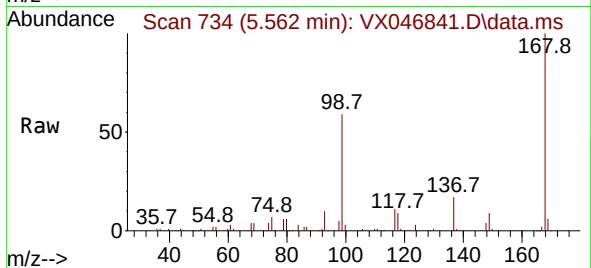
Tgt Ion: 75 Resp: 11777
Ion Ratio Lower Upper
75 100
110 7.3 17.2 51.5#
77 0.0 24.2 36.4#



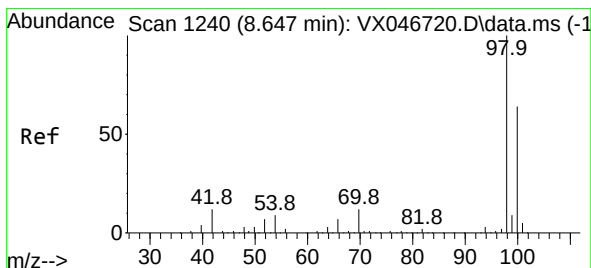
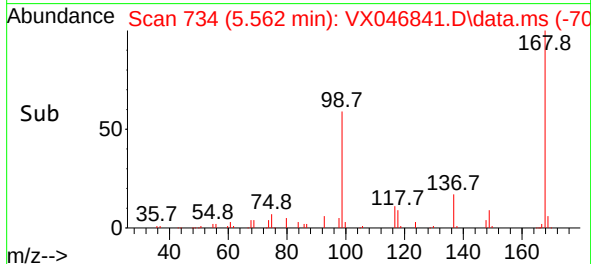
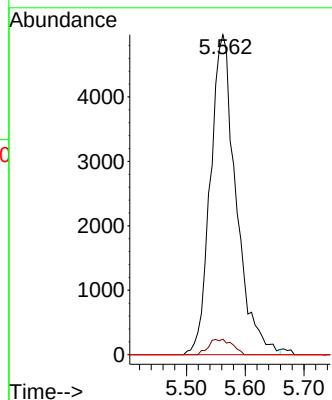


#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

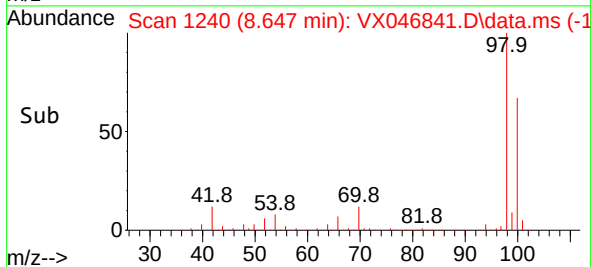
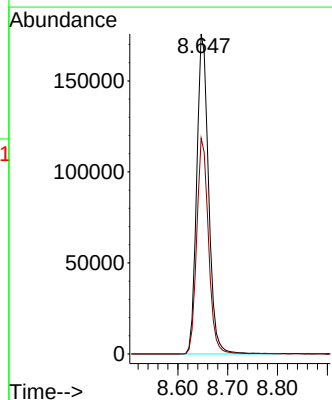
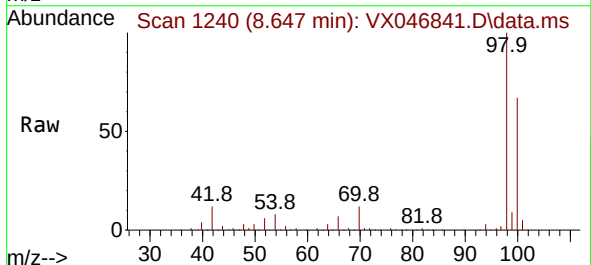


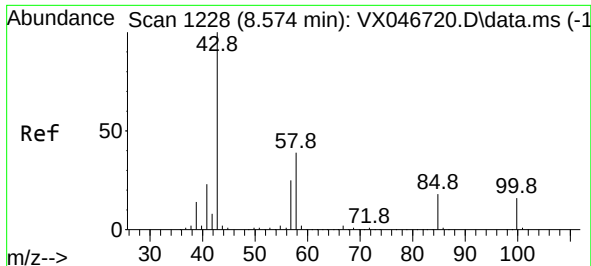
Tgt Ion:117 Resp: 15077
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.236 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Tgt Ion: 98 Resp: 290243
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 0.669 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX046841.D

Acq: 30 Jun 2025 15:44

Instrument :

MSVOA_X

ClientSampleId :

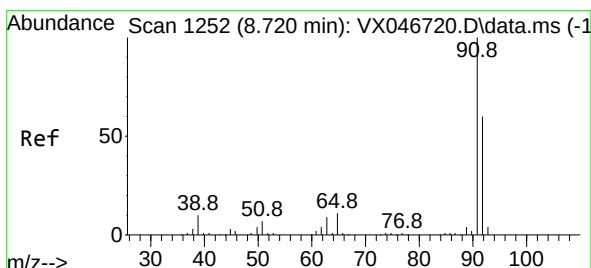
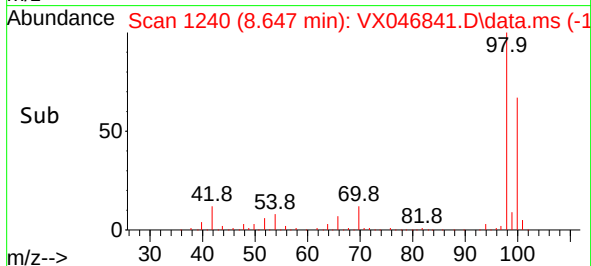
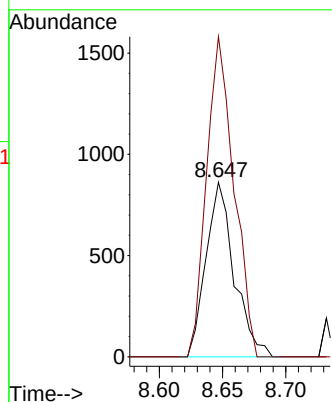
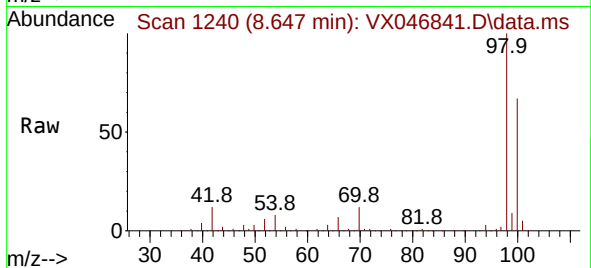
BBX42025DL

Tgt Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

58 178.0 30.8 46.2#



#52

Toluene

Concen: 0.505 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX046841.D

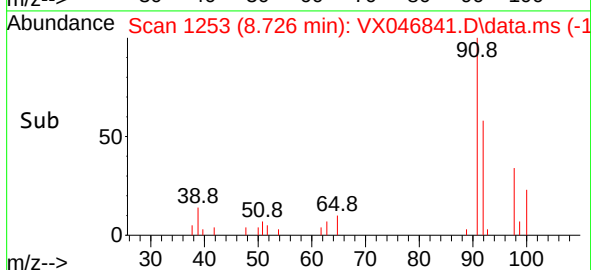
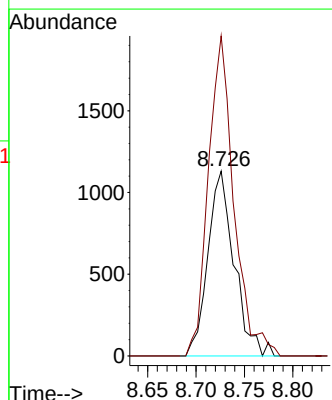
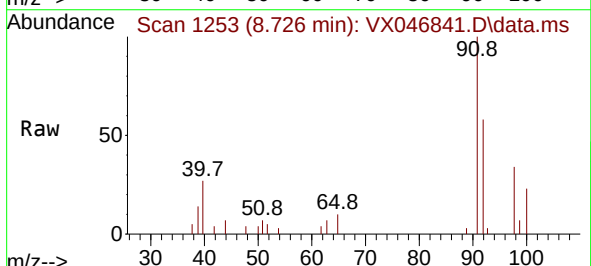
Acq: 30 Jun 2025 15:44

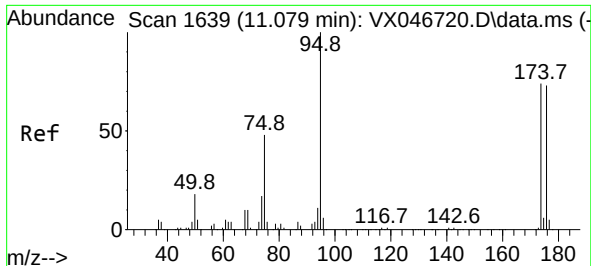
Tgt Ion: 92 Resp: 2149

Ion Ratio Lower Upper

92 100

91 168.0 134.8 202.2

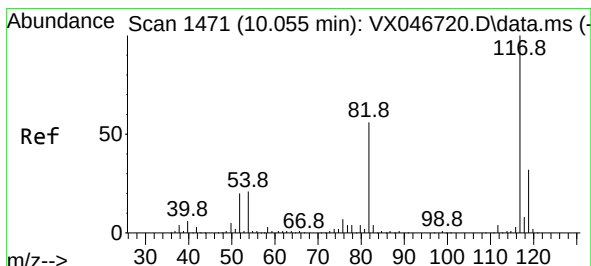
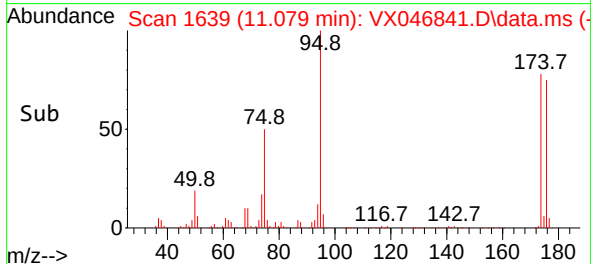
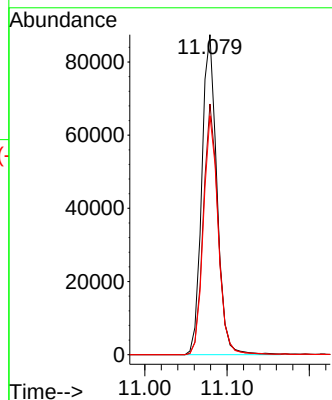
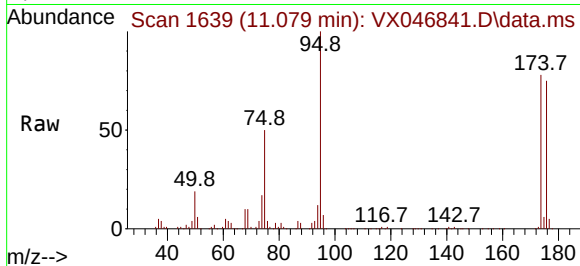




#62
4-Bromofluorobenzene
Concen: 51.643 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

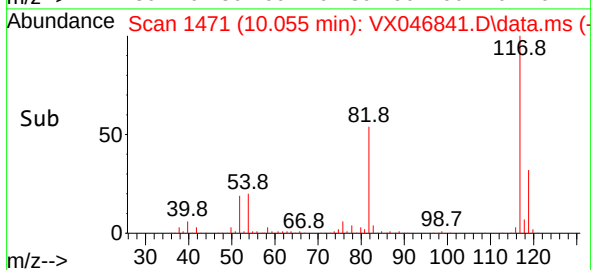
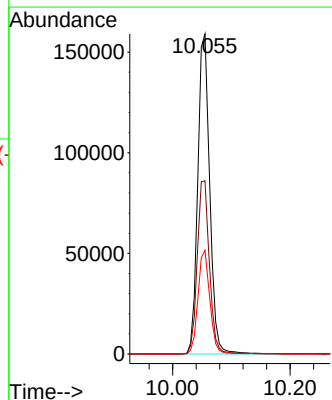
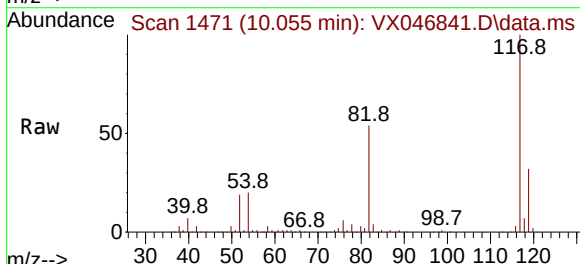
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

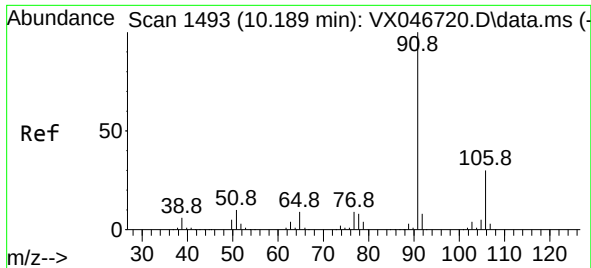
Tgt Ion: 95 Resp: 111223
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.4
176 73.4 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Tgt Ion: 117 Resp: 224512
Ion Ratio Lower Upper
117 100
82 54.1 44.6 66.8
119 32.4 25.8 38.8

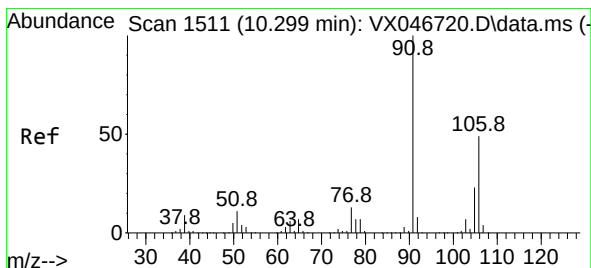
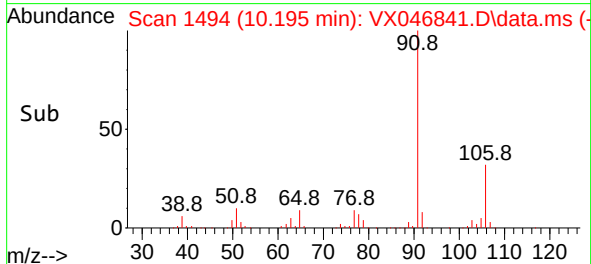
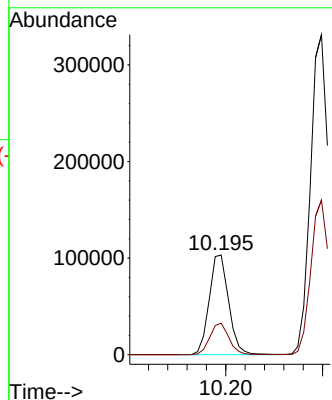
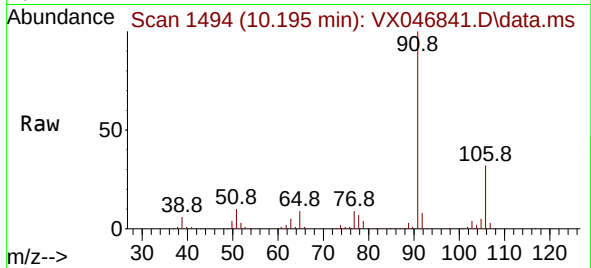




#67
Ethyl Benzene
Concen: 16.704 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

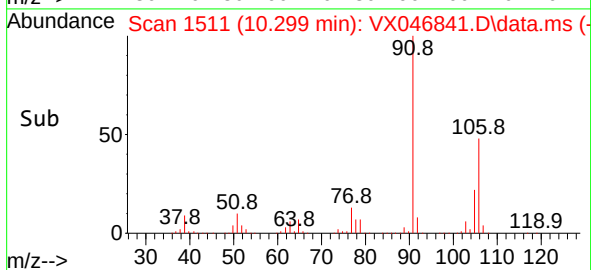
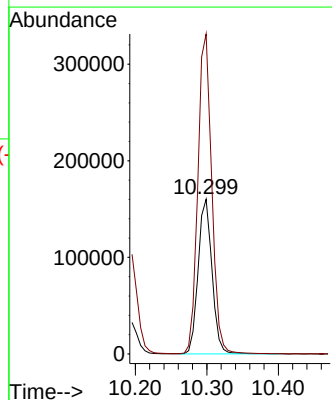
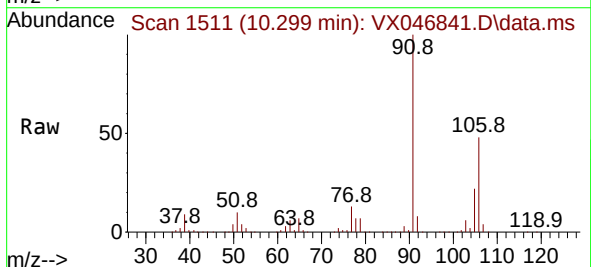
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

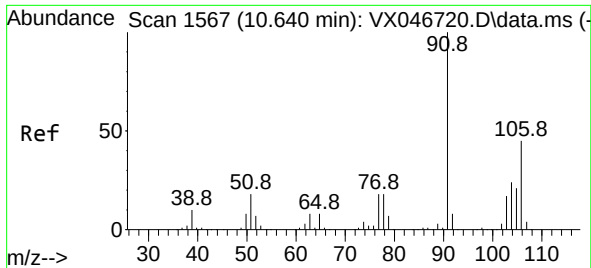
Tgt Ion: 91 Resp: 144648
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.2



#68
m/p-Xylenes
Concen: 66.752 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Tgt Ion:106 Resp: 215380
Ion Ratio Lower Upper
106 100
91 207.8 164.8 247.2

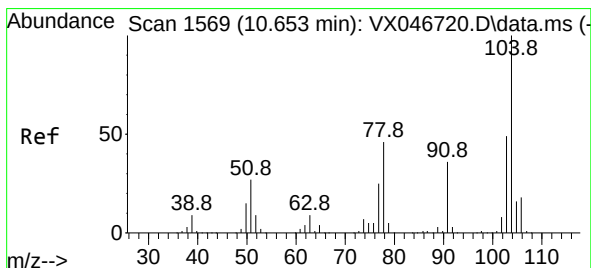
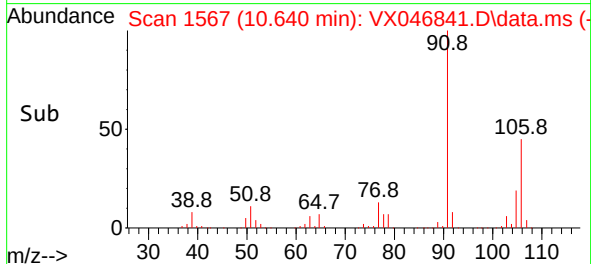
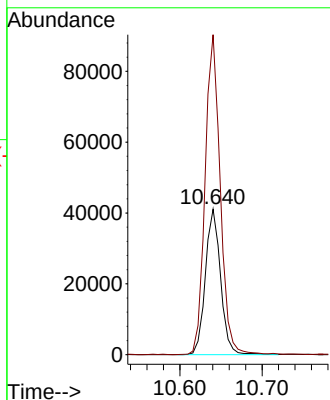
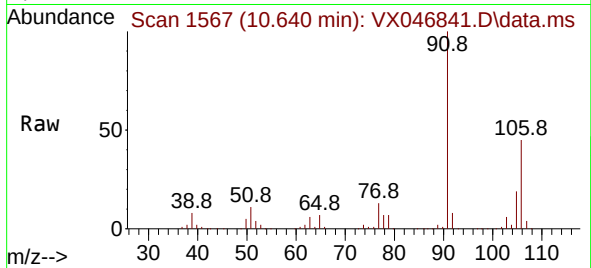




#69
o-Xylene
Concen: 17.460 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

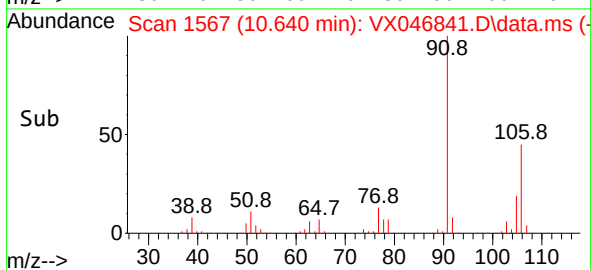
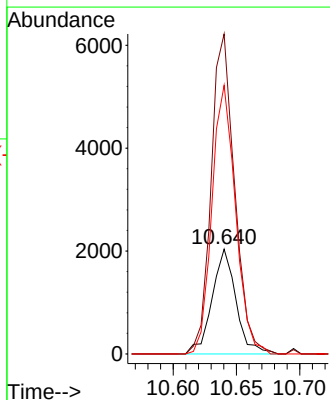
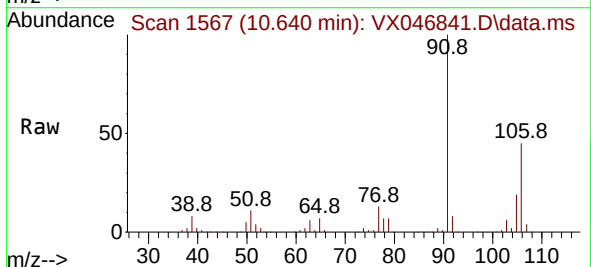
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

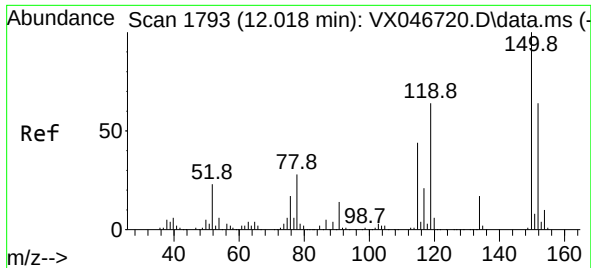
Tgt Ion:106 Resp: 52796
Ion Ratio Lower Upper
106 100
91 220.1 111.3 333.9



#70
Styrene
Concen: 0.506 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.012 min
Lab File: VX046841.D
Acq: 30 Jun 2025 15:44

Tgt Ion:104 Resp: 2678
Ion Ratio Lower Upper
104 100
78 299.1 41.4 62.2#
103 252.6 43.1 64.7#

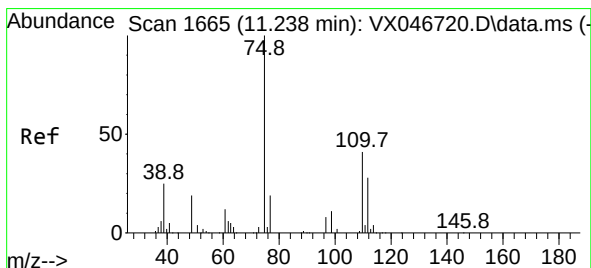
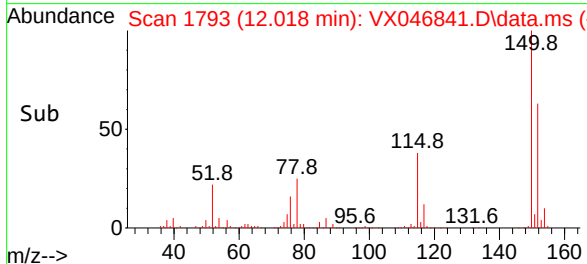
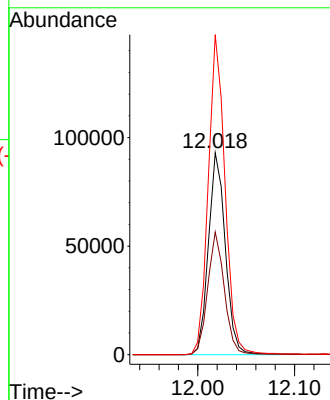
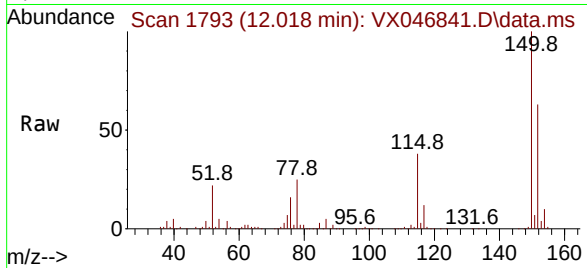




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046841.D
 Acq: 30 Jun 2025 15:44

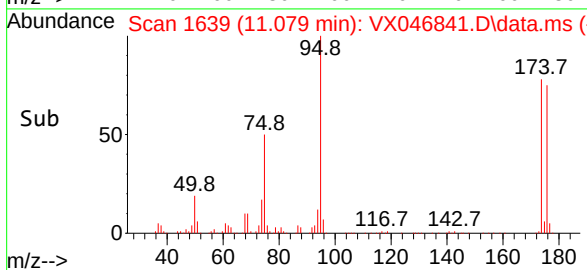
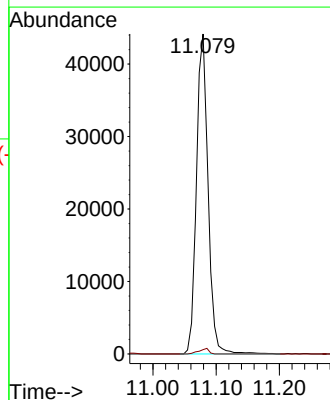
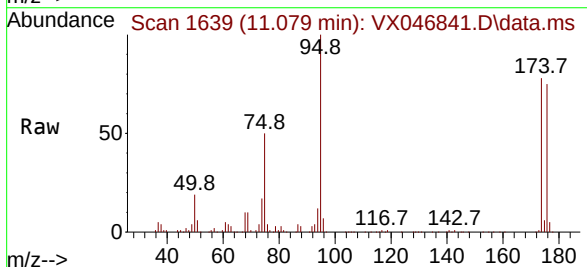
Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

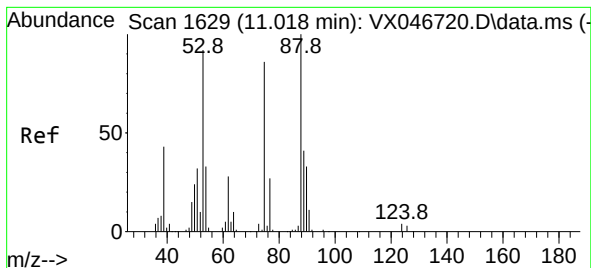
Tgt Ion:152 Resp: 113613
 Ion Ratio Lower Upper
 152 100
 115 60.0 43.2 129.6
 150 157.2 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 27.126 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046841.D
 Acq: 30 Jun 2025 15:44

Tgt Ion: 75 Resp: 56446
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.5 55.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.675 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX046841.D
 Acq: 30 Jun 2025 15:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

Tgt Ion: 75 Resp: 56446
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 36.9 55.3#

