

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046983.D
 Acq On : 14 Jul 2025 18:35
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 15 01:26:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

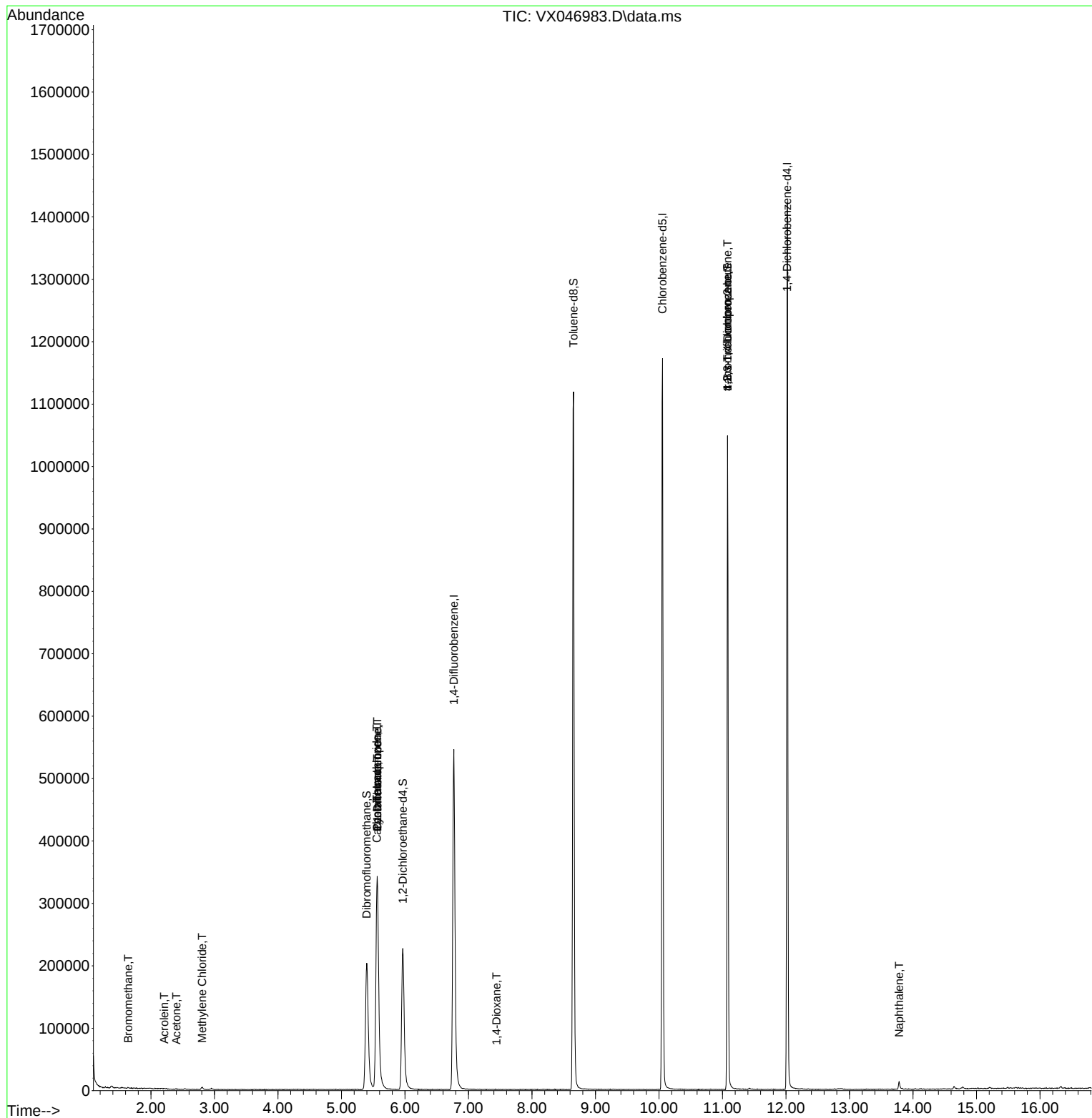
Internal Standards						
1) Pentafluorobenzene	5.562	168	352592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	585414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	541406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	278020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	238107	51.117	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.240%		
35) Dibromofluoromethane	5.397	113	194818	49.026	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.060%		
50) Toluene-d8	8.653	98	681411	48.601	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.200%		
62) 4-Bromofluorobenzene	11.079	95	278260	52.220	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.440%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	643	0.249	ug/l	93
13) Acrolein	2.209	56	89	3.096	ug/l #	47
16) Acetone	2.398	43	934	0.646	ug/l #	42
20) Methylene Chloride	2.806	84	1883	0.440	ug/l #	82
31) Cyclohexane	5.562	56	7195	1.081	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	28993	5.408	ug/l #	50
38) Carbon Tetrachloride	5.556	117	37048	6.536	ug/l #	16
49) 1,4-Dioxane	7.440	88	21	0.502	ug/l #	21
76) 1,2,3-Trichloropropane	11.079	75	142807	33.243	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	142807	89.209	ug/l #	8
95) Naphthalene	13.780	128	10225	0.647	ug/l	98

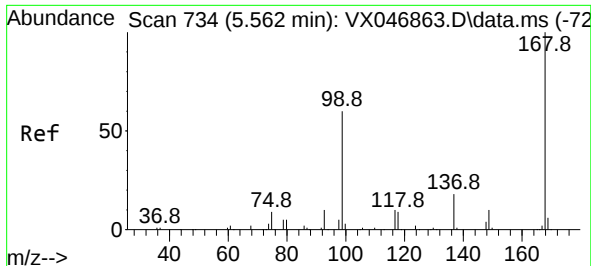
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
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Quant Time: Jul 15 01:26:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

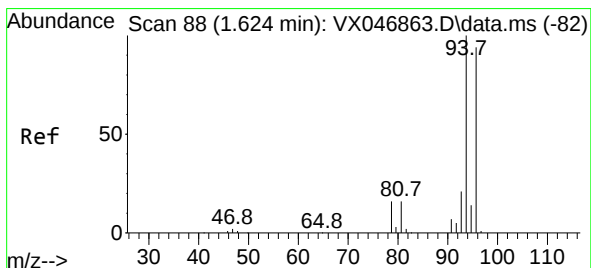
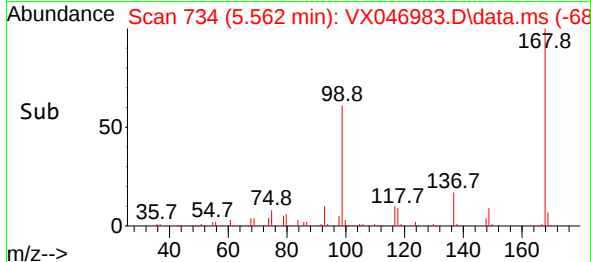
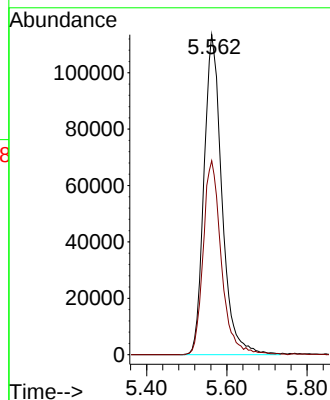
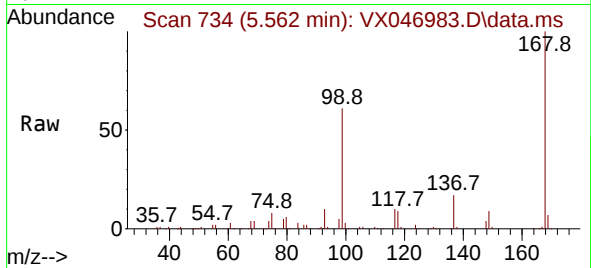




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

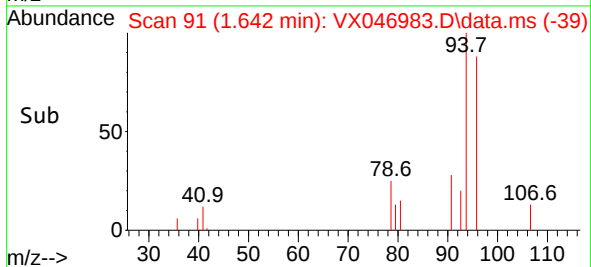
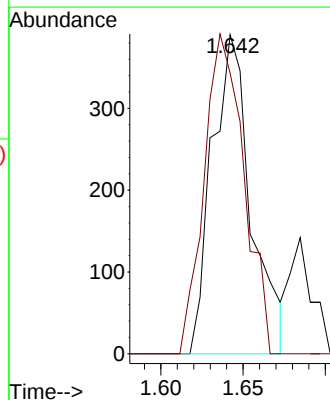
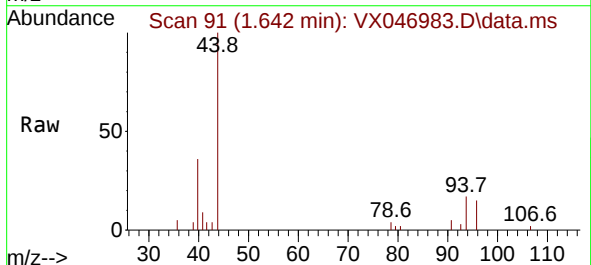
Instrument :
MSVOA_X
ClientSampleId :
IBLK

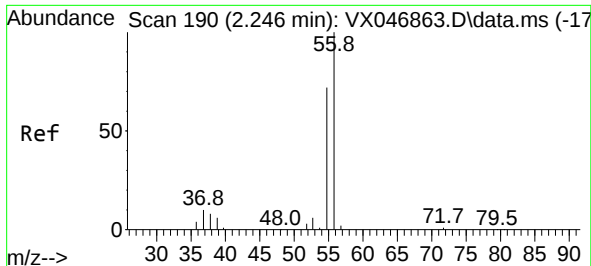
Tgt Ion:168 Resp: 352592
Ion Ratio Lower Upper
168 100
99 60.6 48.8 73.2



#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Tgt Ion: 94 Resp: 643
Ion Ratio Lower Upper
94 100
96 87.9 75.5 113.3

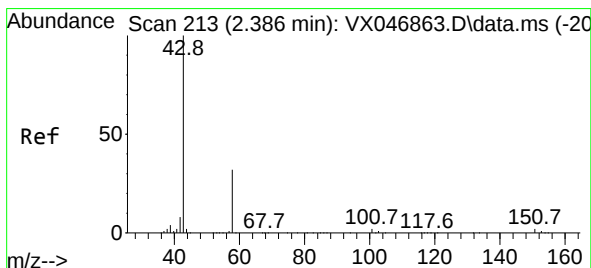
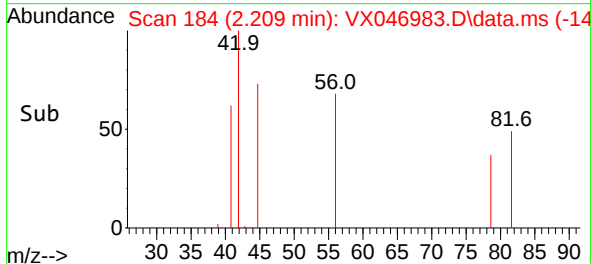
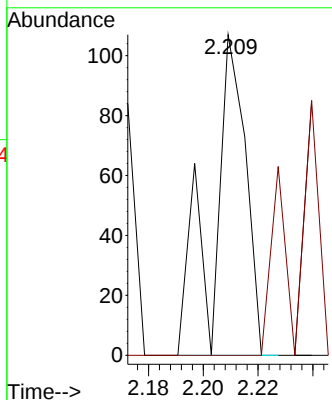
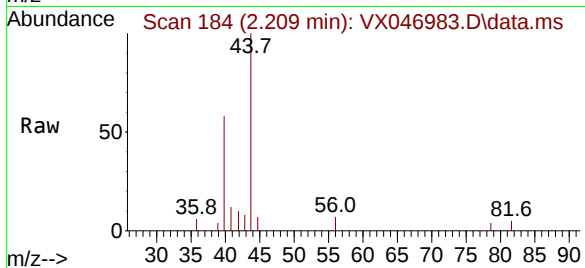




#13
Acrolein
Concen: 3.096 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

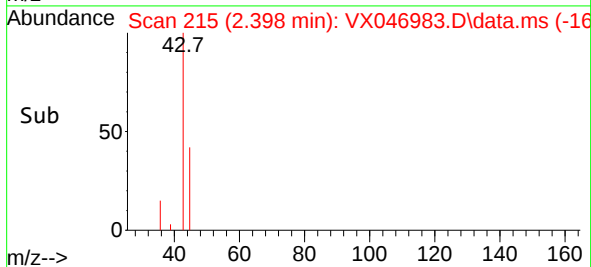
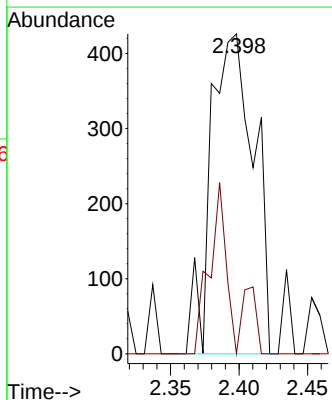
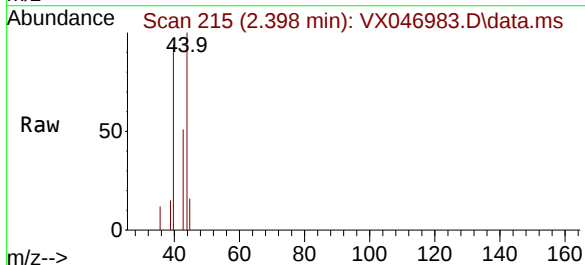
Instrument :
MSVOA_X
ClientSampleId :
IBLK

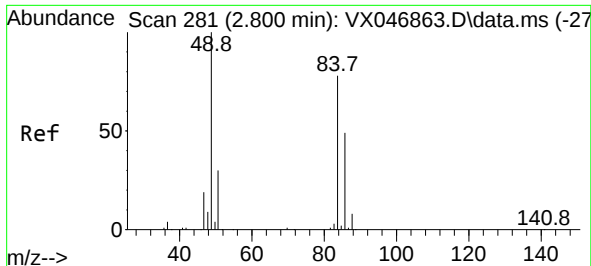
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 25.8 55.5 83.3#



#16
Acetone
Concen: 0.646 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

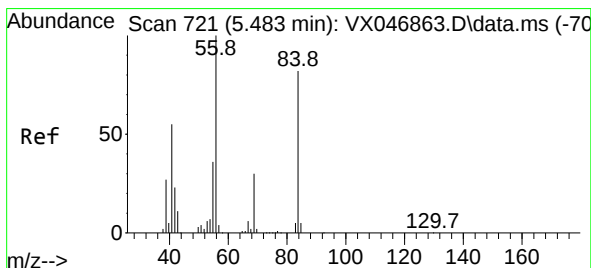
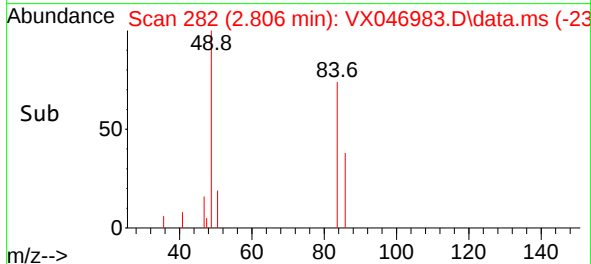
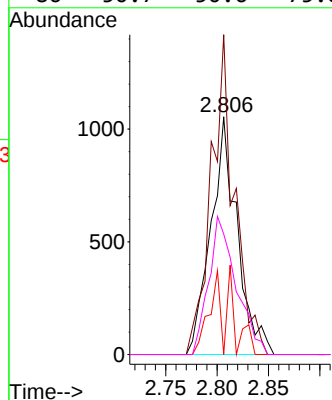
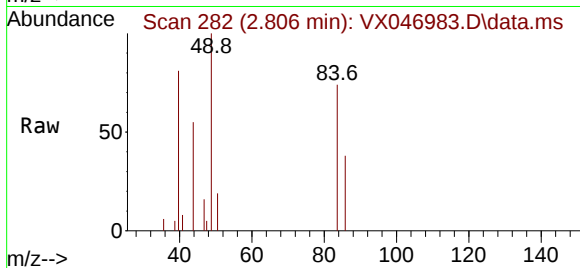




#20
Methylene Chloride
Concen: 0.440 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

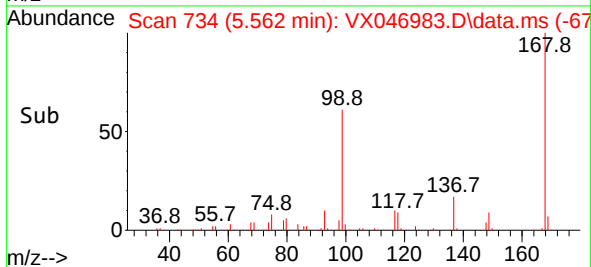
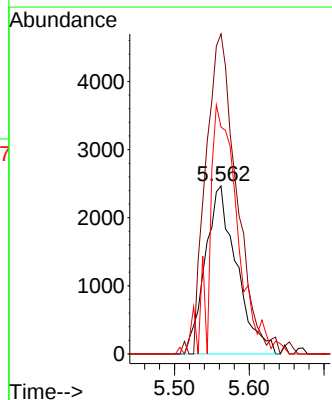
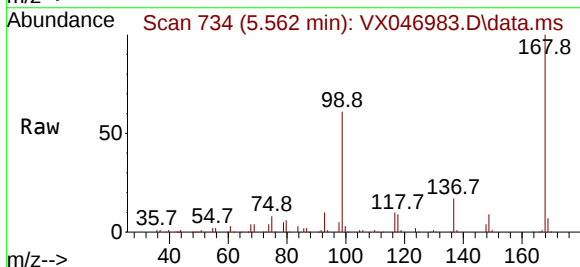
Instrument :
MSVOA_X
ClientSampleId :
IBLK

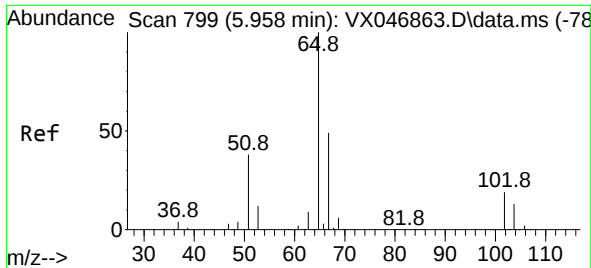
Tgt Ion: 84 Resp: 1883
Ion Ratio Lower Upper
84 100
49 134.5 102.8 154.2
51 0.0 31.1 46.7#
86 50.7 50.6 75.8



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Tgt Ion: 56 Resp: 7195
Ion Ratio Lower Upper
56 100
69 190.5 24.0 36.0#
84 131.2 66.5 99.7#

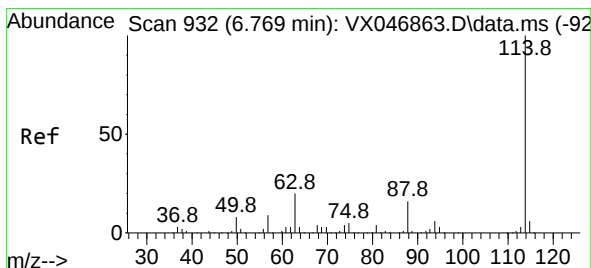
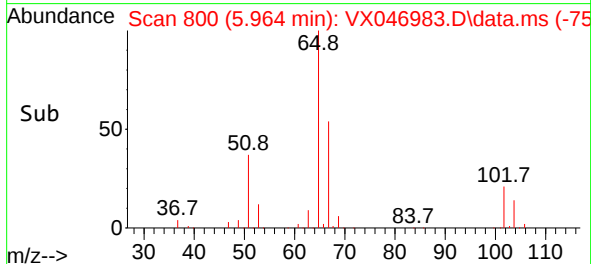
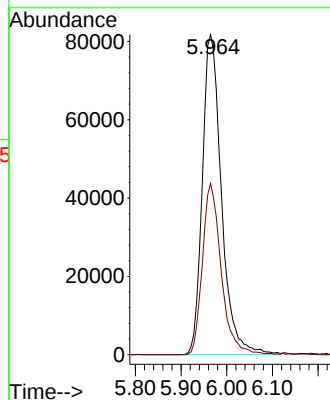
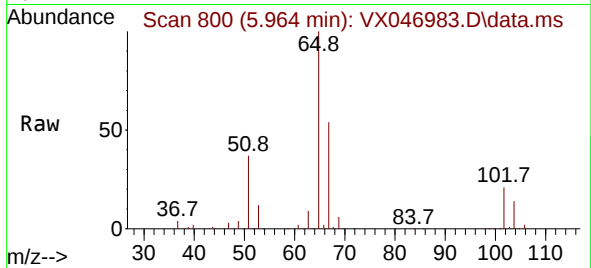




#33
1,2-Dichloroethane-d4
Concen: 51.117 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

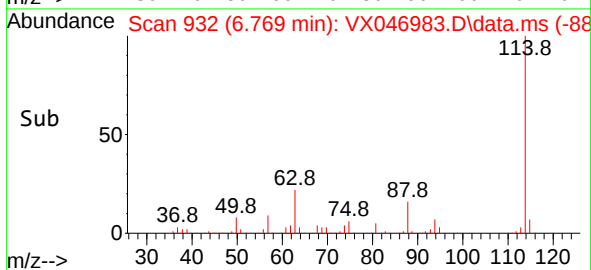
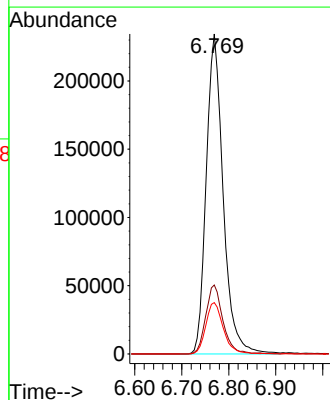
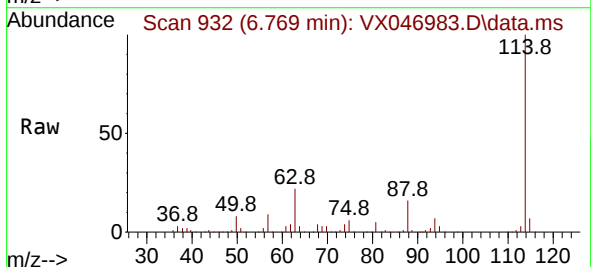
Instrument :
MSVOA_X
ClientSampleId :
IBLK

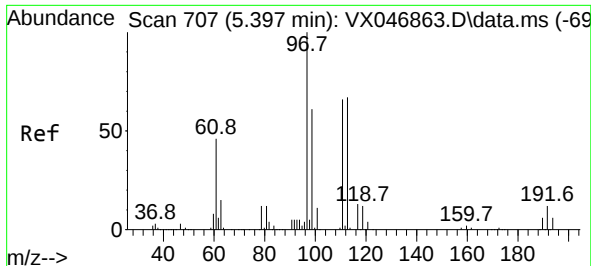
Tgt Ion: 65 Resp: 238107
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Tgt Ion: 114 Resp: 585414
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.026 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046983.D

Acq: 14 Jul 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

IBLK

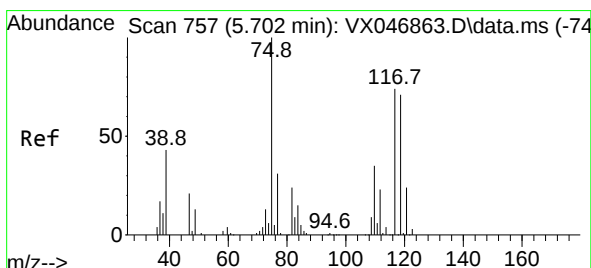
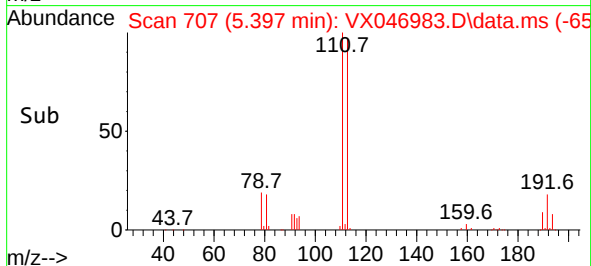
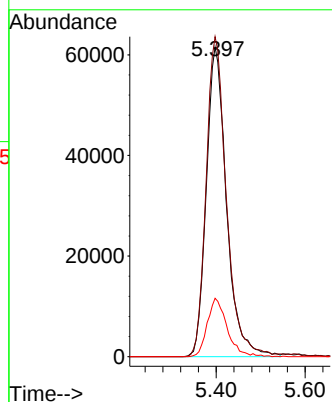
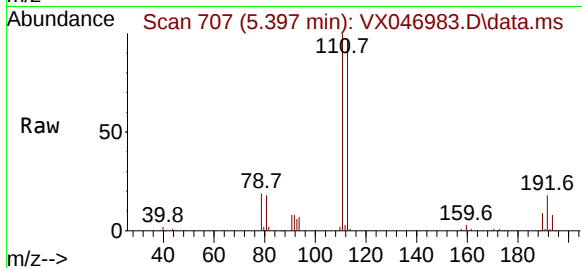
Tgt Ion:113 Resp: 194818

Ion Ratio Lower Upper

113 100

111 103.6 81.2 121.8

192 18.6 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.408 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX046983.D

Acq: 14 Jul 2025 18:35

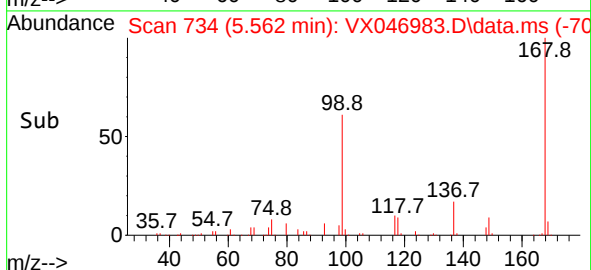
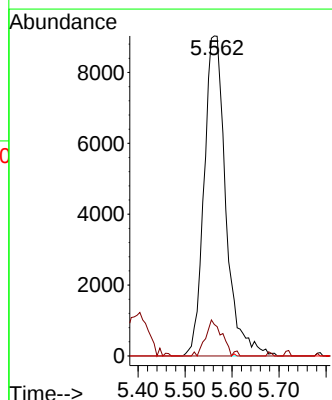
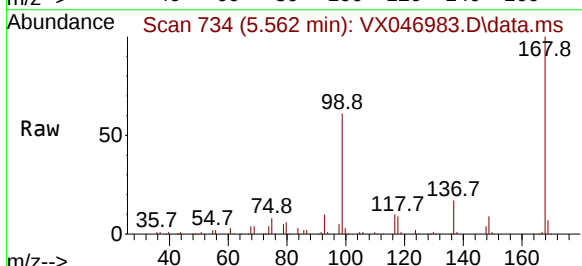
Tgt Ion: 75 Resp: 28993

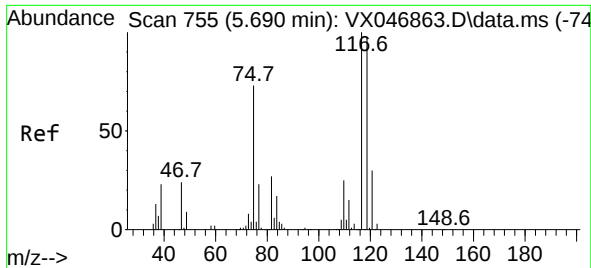
Ion Ratio Lower Upper

75 100

110 8.6 17.3 51.9#

77 0.0 24.2 36.4#

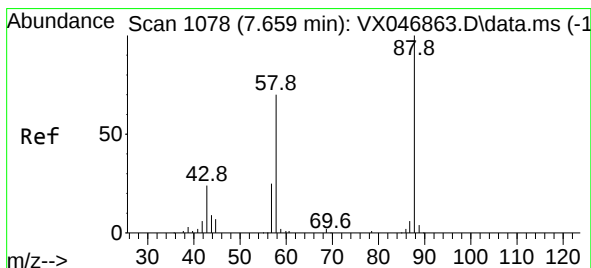
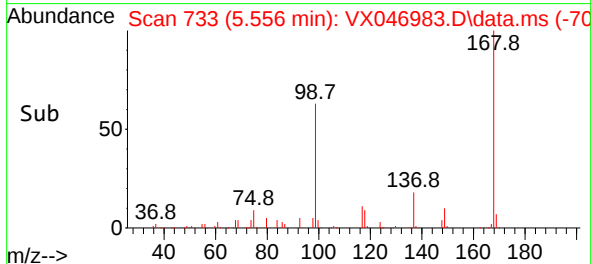
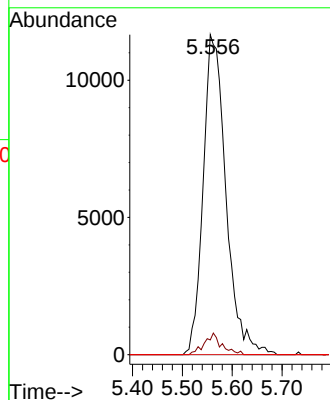
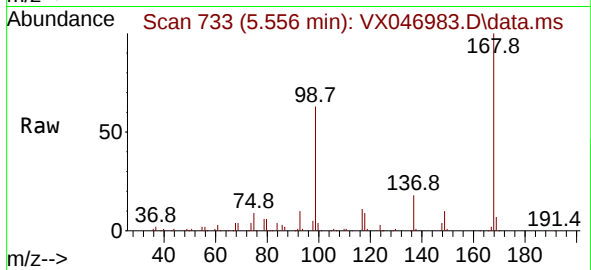




#38
Carbon Tetrachloride
Concen: 6.536 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

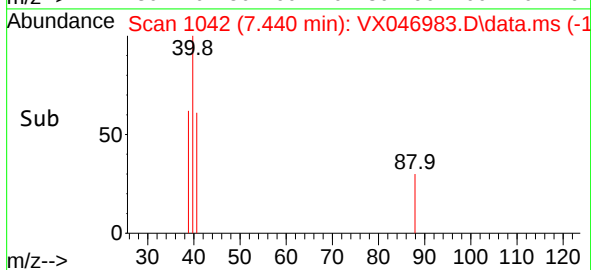
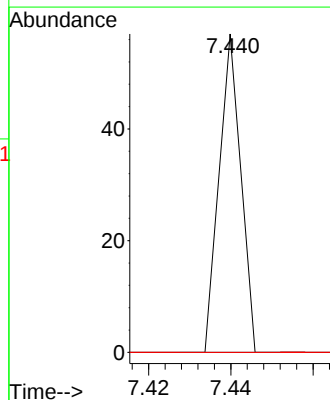
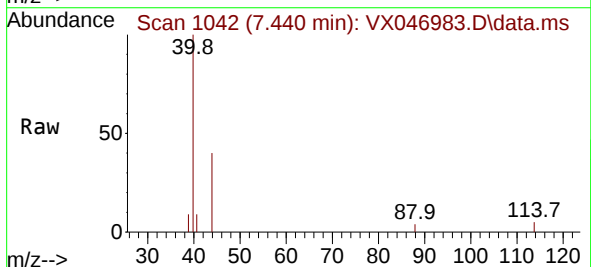
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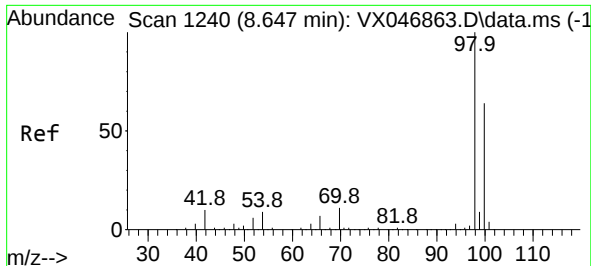
Tgt Ion:117 Resp: 37048
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 24.1 36.1#



#49
1,4-Dioxane
Concen: 0.502 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. -0.219 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 31.7 47.5#
58 0.0 57.5 86.3#

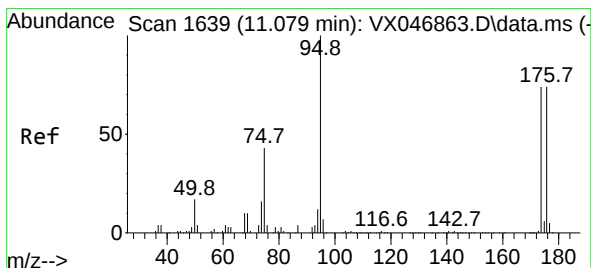
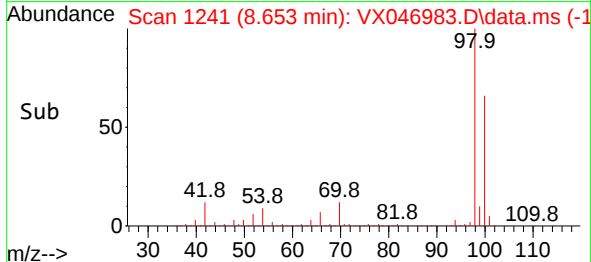
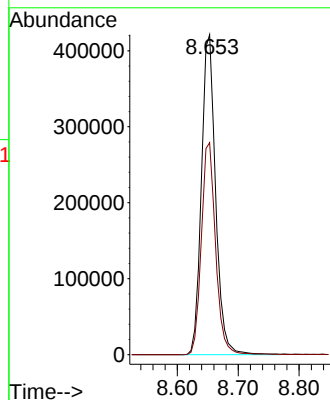
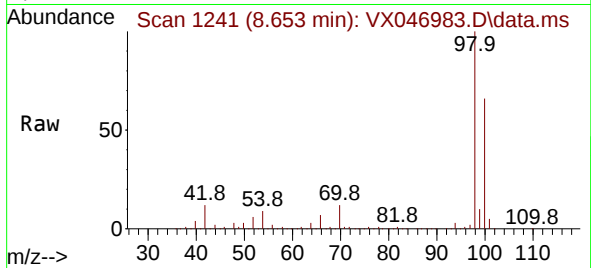




#50
Toluene-d8
Concen: 48.601 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

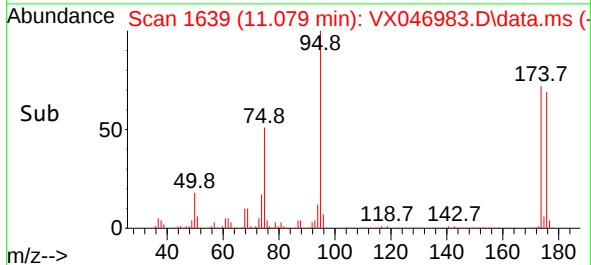
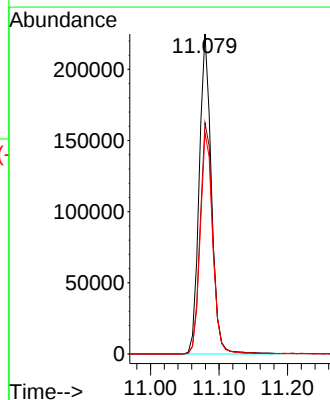
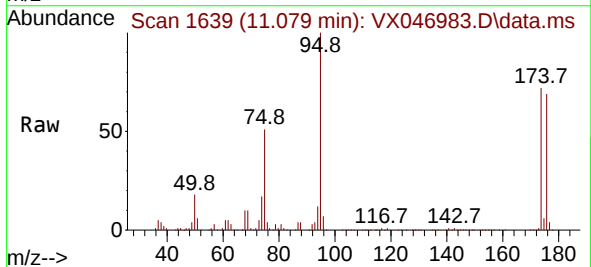
Instrument :
MSVOA_X
ClientSampleId :
IBLK

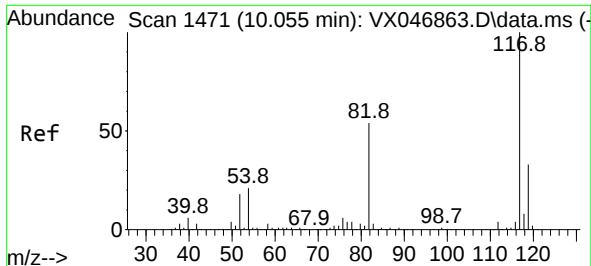
Tgt Ion: 98 Resp: 681411
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 52.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Tgt Ion: 95 Resp: 278260
Ion Ratio Lower Upper
95 100
174 75.2 0.0 152.0
176 71.1 0.0 145.2

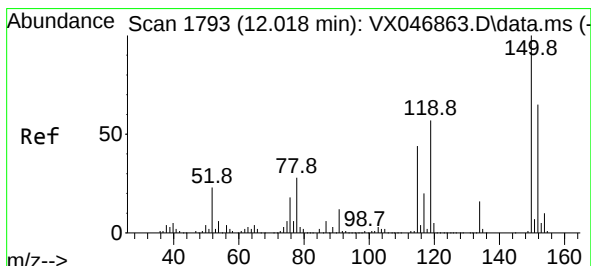
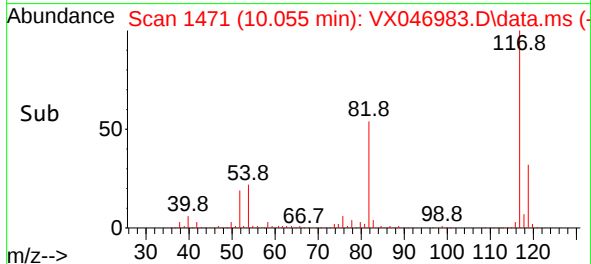
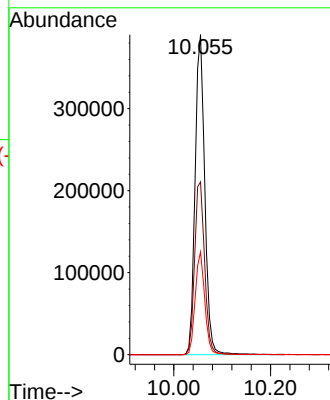
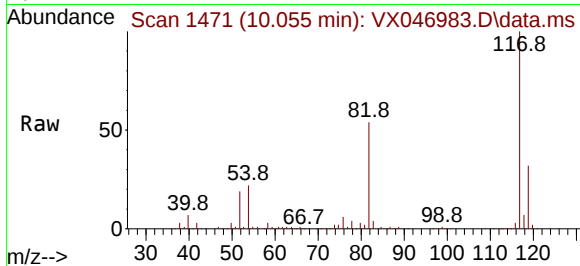




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

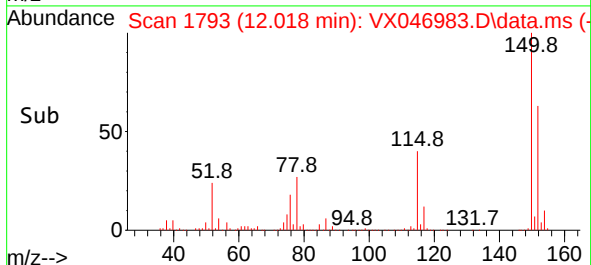
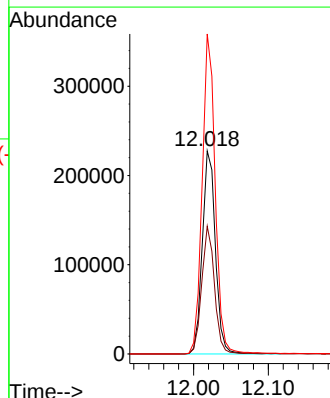
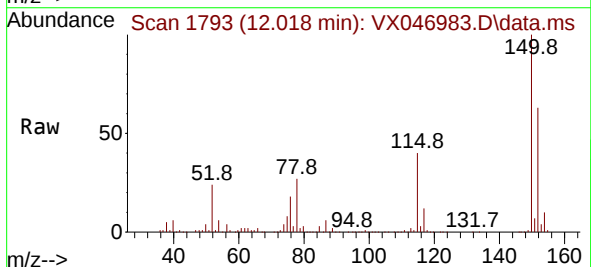
Instrument :
MSVOA_X
ClientSampleId :
IBLK

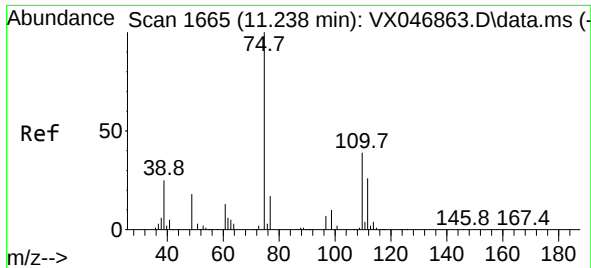
Tgt Ion:117 Resp: 541406
Ion Ratio Lower Upper
117 100
82 54.0 43.3 64.9
119 32.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Tgt Ion:152 Resp: 278020
Ion Ratio Lower Upper
152 100
115 61.1 42.4 127.1
150 156.7 0.0 349.2

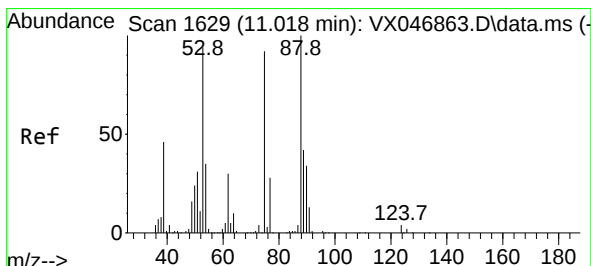
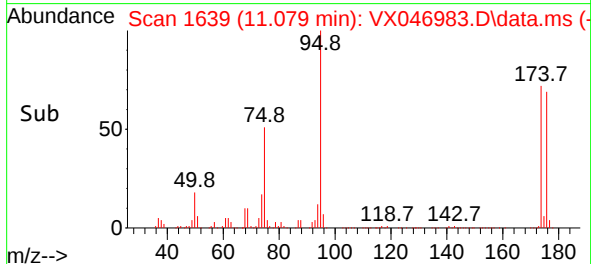
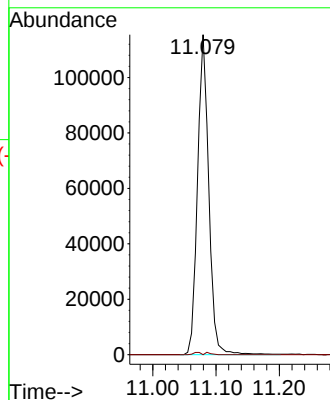
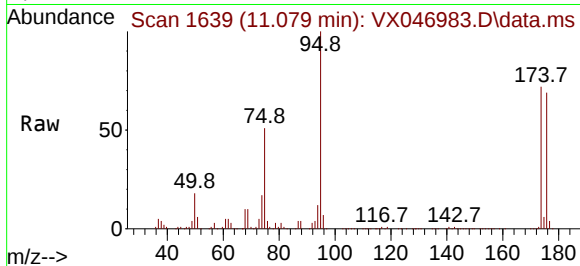




#76
1,2,3-Trichloropropane
Concen: 33.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

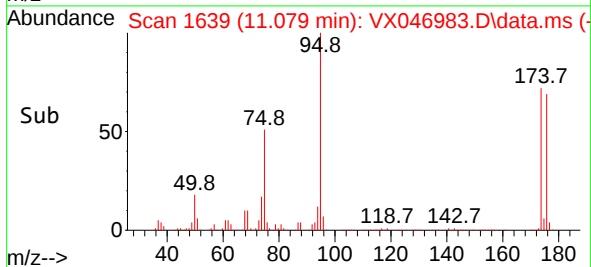
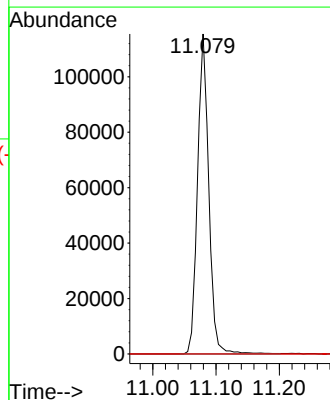
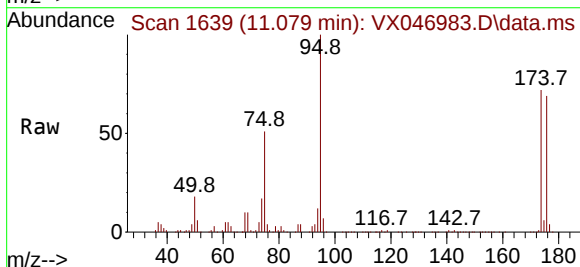
Instrument :
MSVOA_X
ClientSampleId :
IBLK

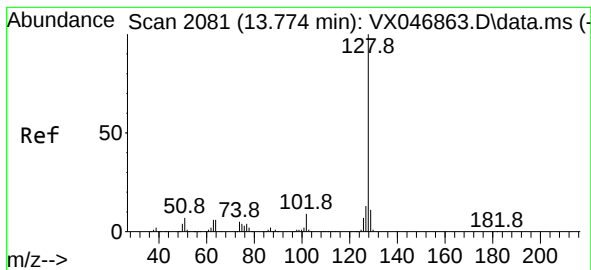
Tgt Ion: 75 Resp: 142807
Ion Ratio Lower Upper
75 100
77 0.5 20.6 61.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

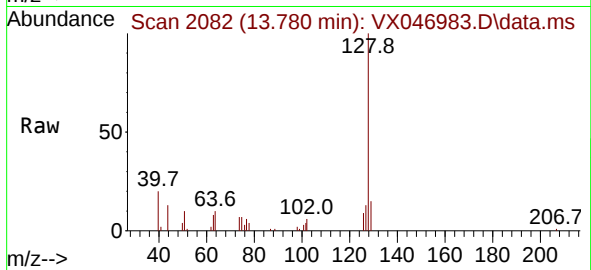
Tgt Ion: 75 Resp: 142807
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: 0.647 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046983.D
Acq: 14 Jul 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion:	128	Resp:	10225
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	11.7	8.6	13.0

