

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046962.D
 Acq On : 14 Jul 2025 10:54
 Operator : JC/MD
 Sample : VX0714MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0714MBL01

Quant Time: Jul 15 01:14:05 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)

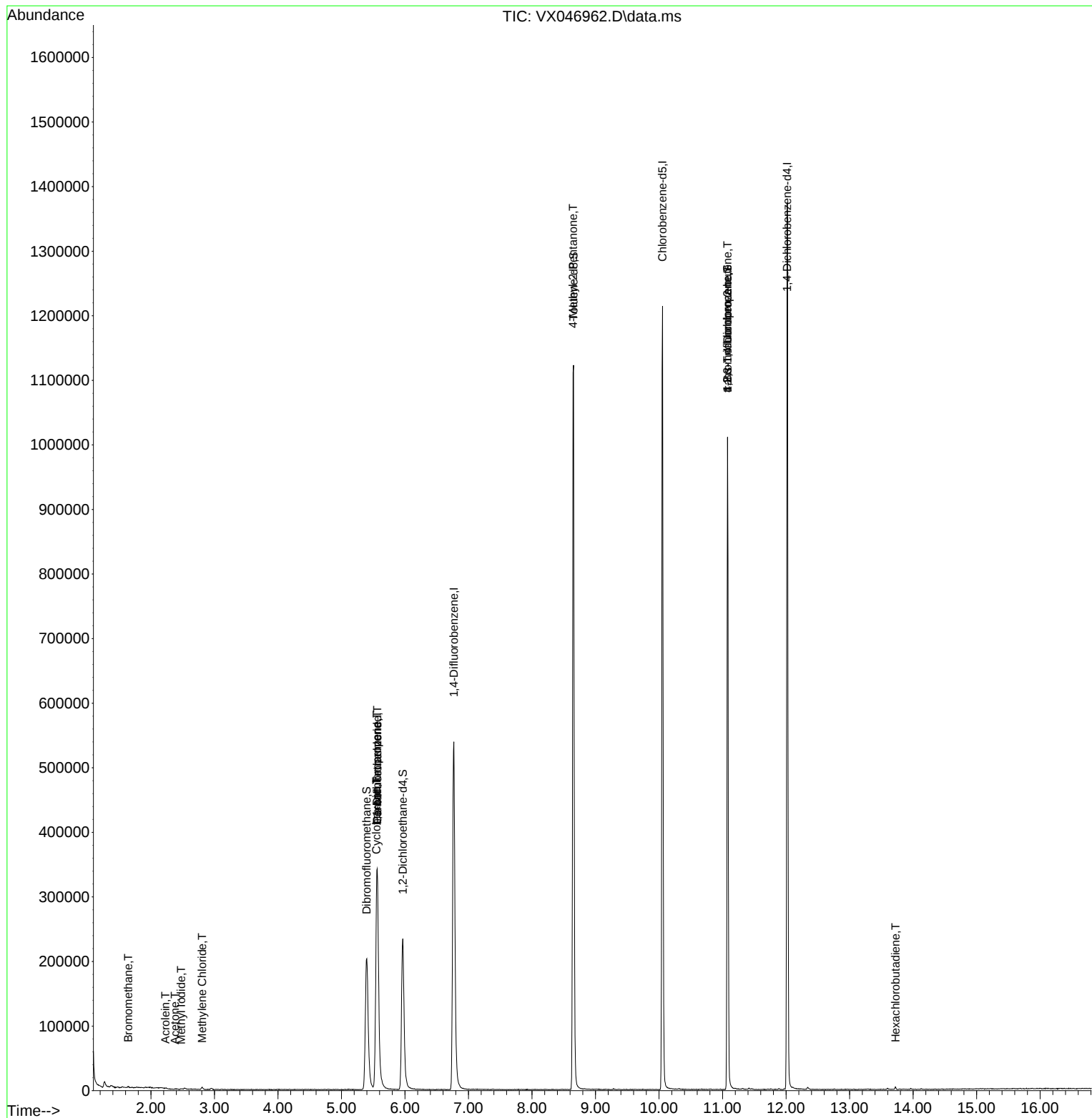
Internal Standards						
1) Pentafluorobenzene	5.562	168	353449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	590149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	542379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	279389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	242617	51.959	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.920%			
35) Dibromofluoromethane	5.397	113	199801	49.876	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	8.653	98	689113	48.756	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.520%			
62) 4-Bromofluorobenzene	11.079	95	278070	51.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.540%			
Target Compounds			Qvalue			
5) Bromomethane	1.642	94	566	0.219	ug/l	91
10) Methyl Iodide	2.477	142	1541	0.357	ug/l #	82
13) Acrolein	2.227	56	41	2.955	ug/l #	75
16) Acetone	2.380	43	378	0.261	ug/l #	63
20) Methylene Chloride	2.806	84	1410	0.329	ug/l	94
31) Cyclohexane	5.550	56	7527	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28703	5.311	ug/l #	51
38) Carbon Tetrachloride	5.562	117	37538	6.569	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	3234	0.777	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	142806	33.080	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	142806	88.771	ug/l #	8
94) Hexachlorobutadiene	13.725	225	689	0.303	ug/l #	66

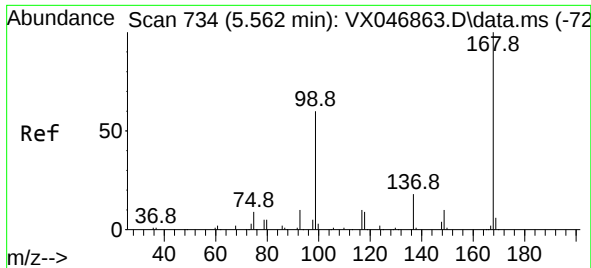
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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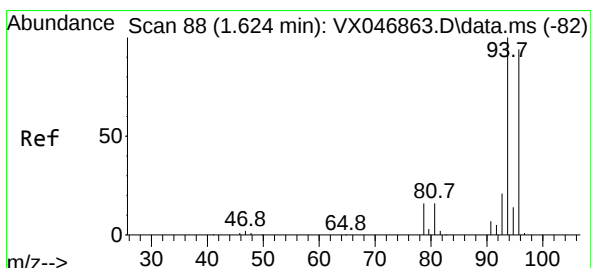
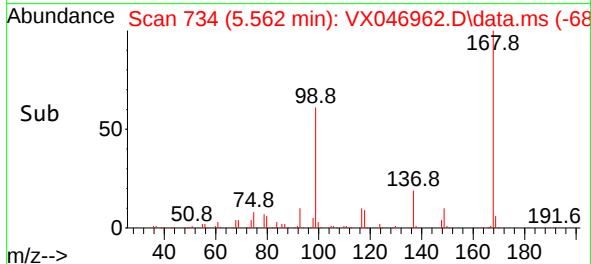
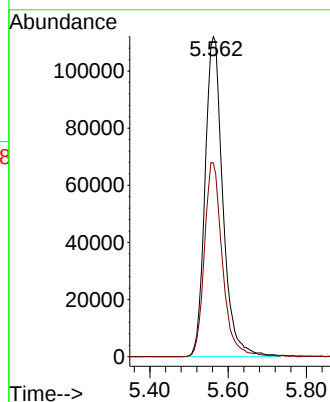
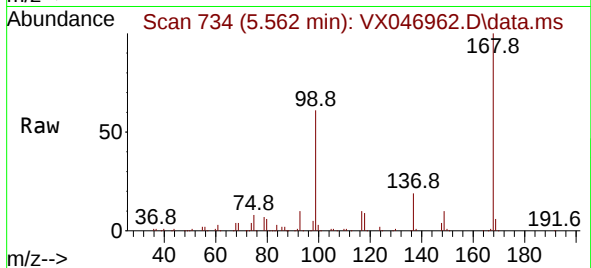




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

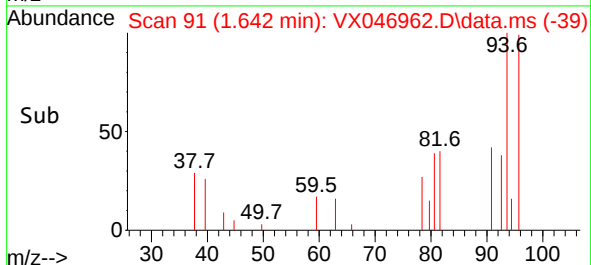
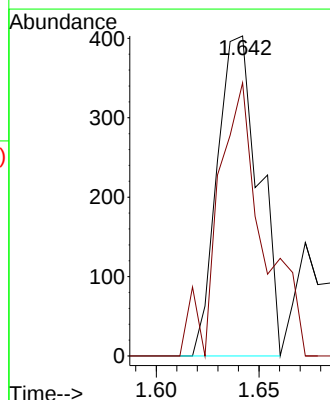
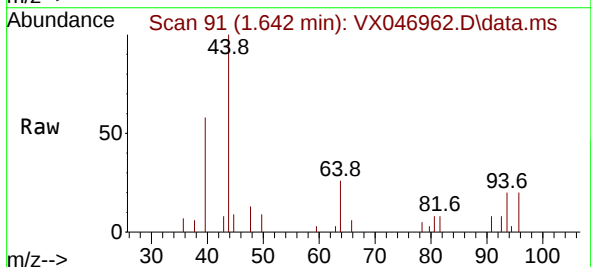
Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

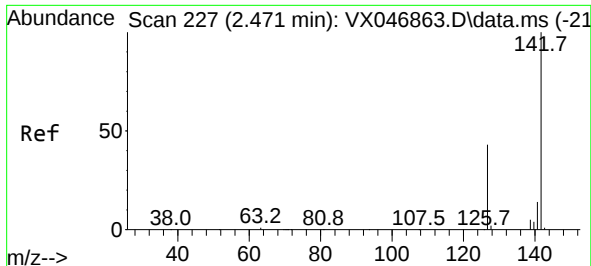
Tgt Ion:168 Resp: 353449
Ion Ratio Lower Upper
168 100
99 60.5 48.8 73.2



#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 94 Resp: 566
Ion Ratio Lower Upper
94 100
96 85.4 75.5 113.3

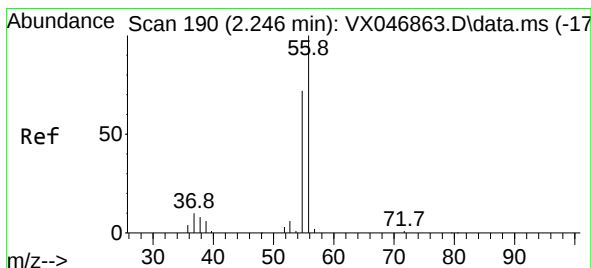
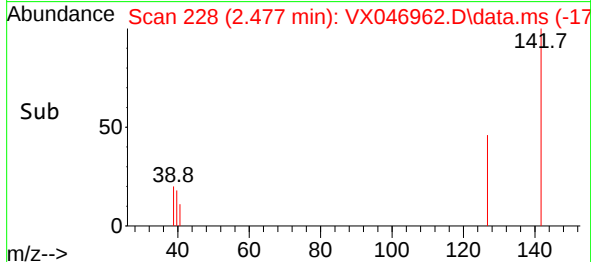
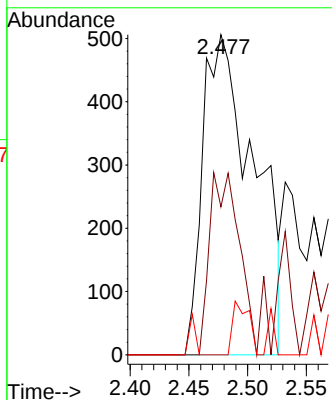
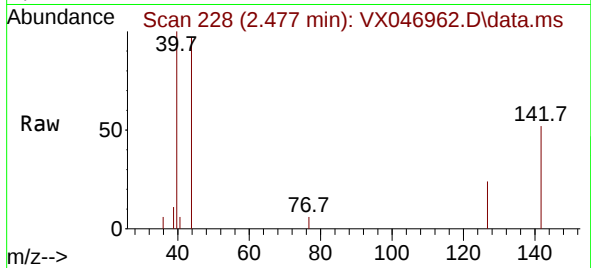




#10
Methyl Iodide
Concen: 0.357 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

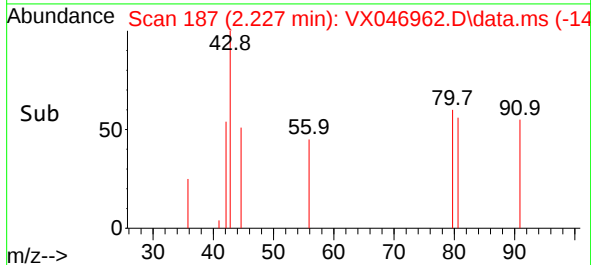
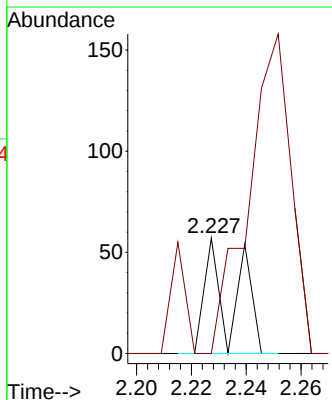
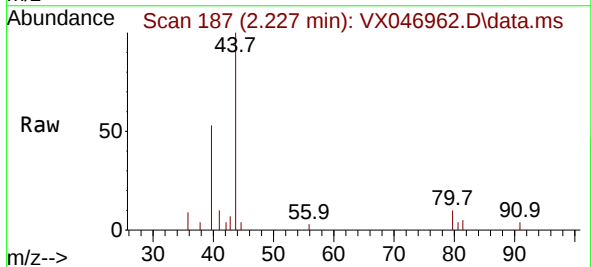
Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

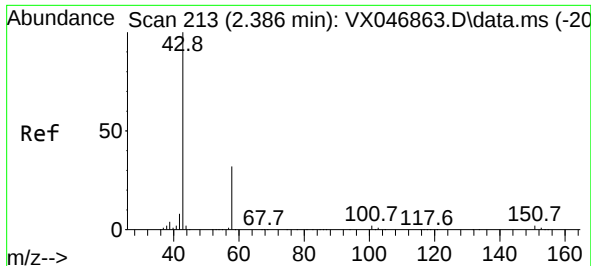
Tgt Ion:142 Resp: 1541
Ion Ratio Lower Upper
142 100
127 32.7 34.9 52.3#
141 5.2 11.1 16.7#



#13
Acrolein
Concen: 2.955 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.019 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 48.8 55.5 83.3#

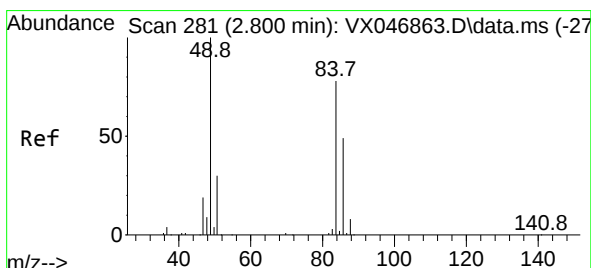
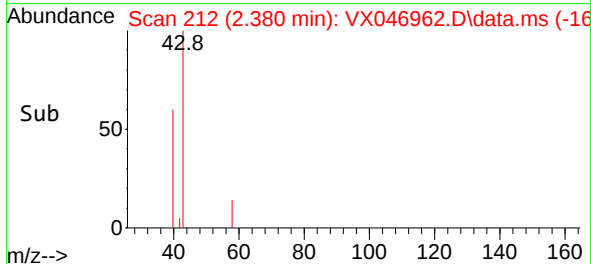
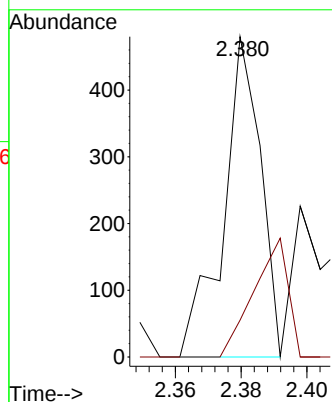
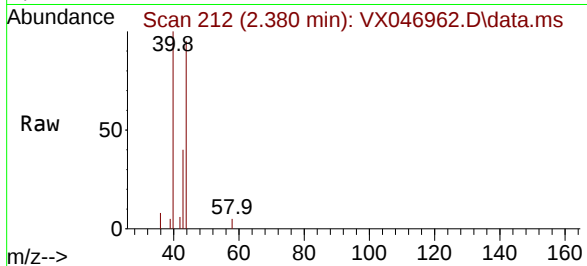




#16
Acetone
Concen: 0.261 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

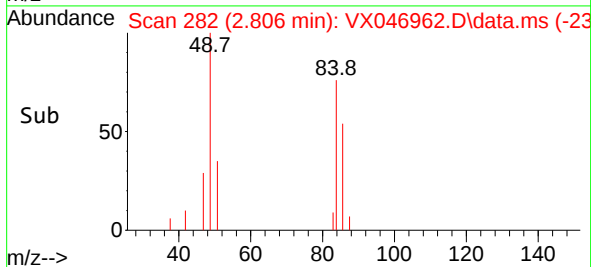
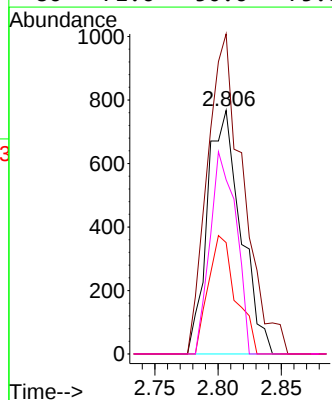
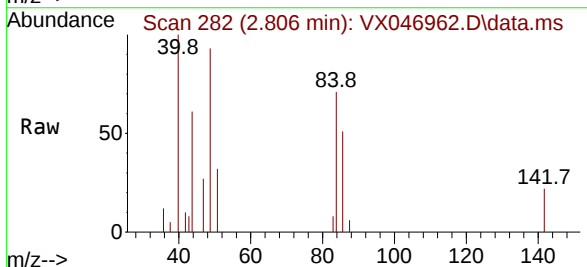
Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

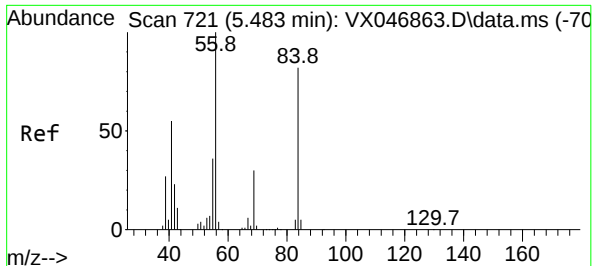
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 11.5 25.8 38.6#



#20
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 84 Resp: 1410
Ion Ratio Lower Upper
84 100
49 131.4 102.8 154.2
51 45.8 31.1 46.7
86 71.6 50.6 75.8





#31

Cyclohexane

Concen: 1.128 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.067 min

Lab File: VX046962.D

Acq: 14 Jul 2025 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0714MBL01

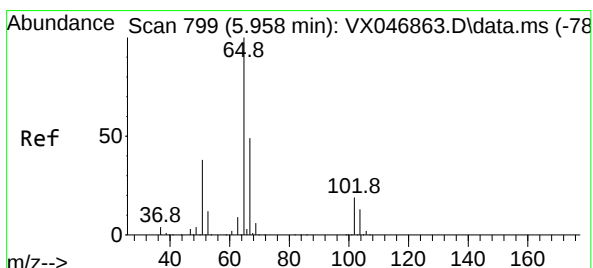
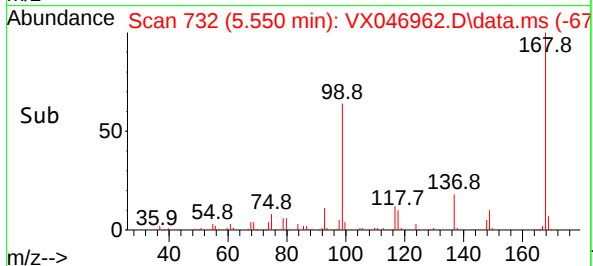
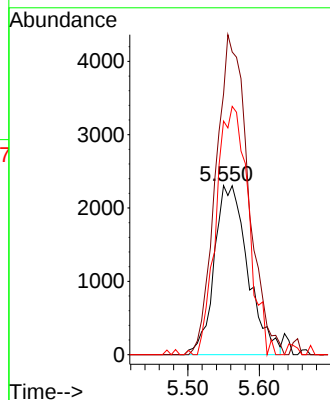
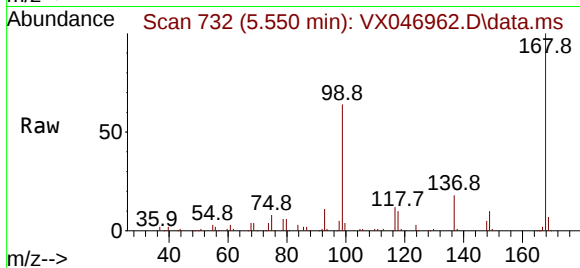
Tgt Ion: 56 Resp: 7527

Ion Ratio Lower Upper

56 100

69 148.5 24.0 36.0#

84 133.1 66.5 99.7#



#33

1,2-Dichloroethane-d4

Concen: 51.959 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046962.D

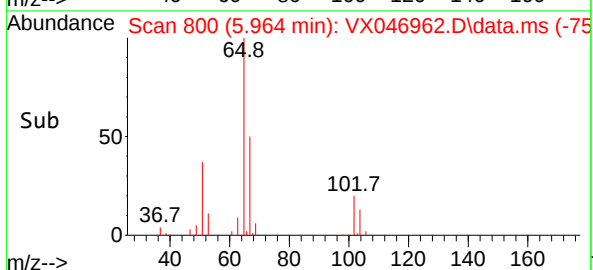
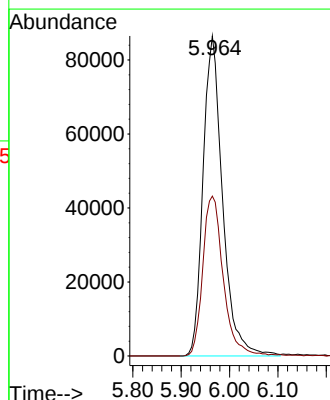
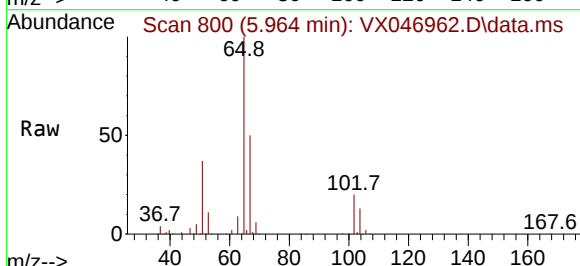
Acq: 14 Jul 2025 10:54

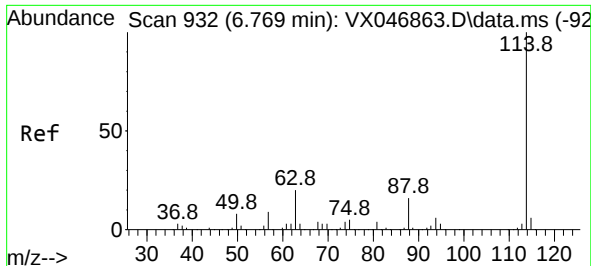
Tgt Ion: 65 Resp: 242617

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.2

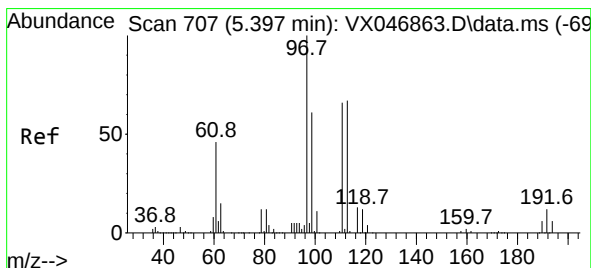
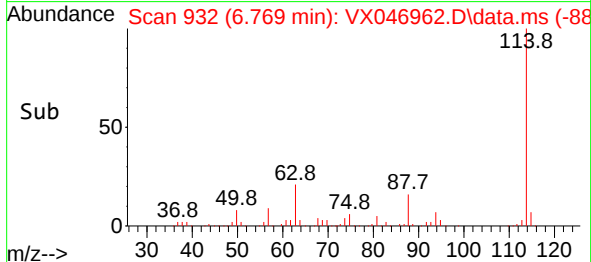
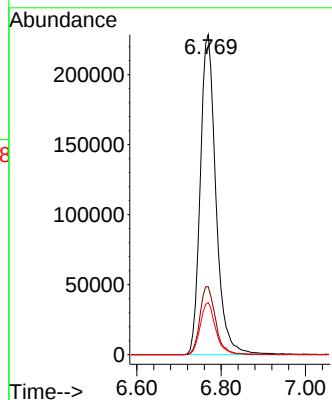
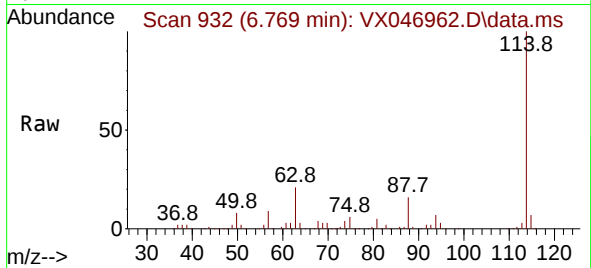




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX046962.D
 Acq: 14 Jul 2025 10:54

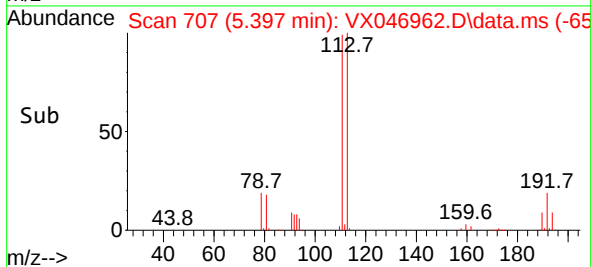
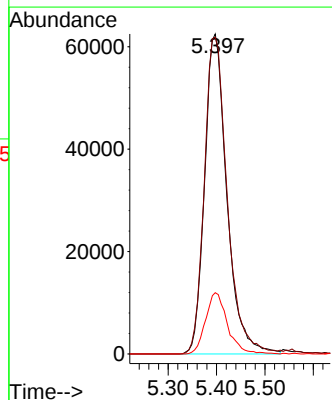
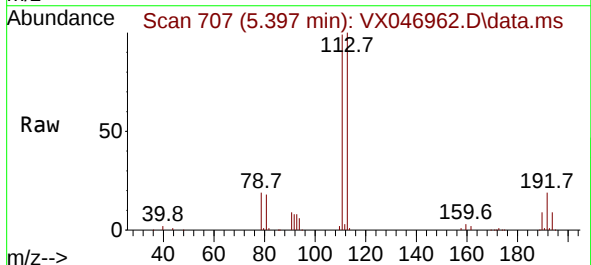
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0714MBL01

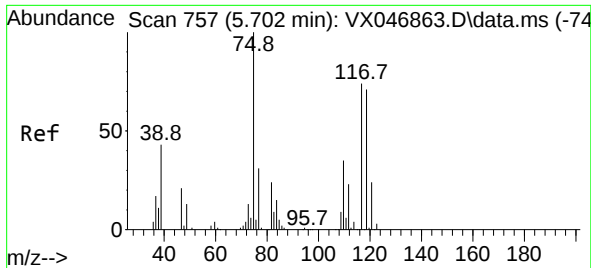
Tgt Ion:114 Resp: 590149
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.4
 88 16.3 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 49.876 ug/l
 RT: 5.397 min Scan# 707
 Delta R.T. -0.000 min
 Lab File: VX046962.D
 Acq: 14 Jul 2025 10:54

Tgt Ion:113 Resp: 199801
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.2 121.8
 192 18.9 15.3 22.9

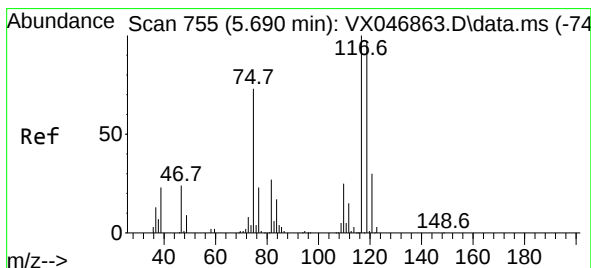
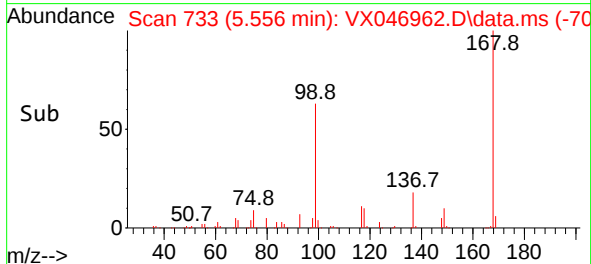
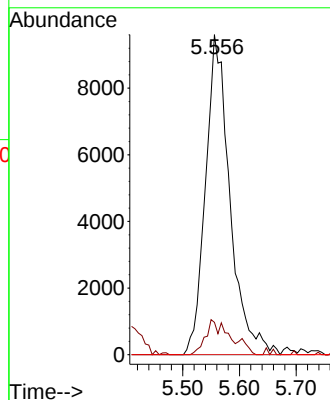
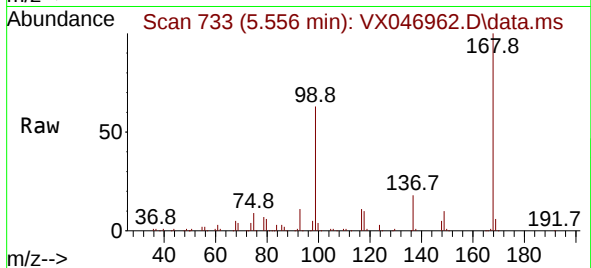




#36
1,1-Dichloropropene
Concen: 5.311 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

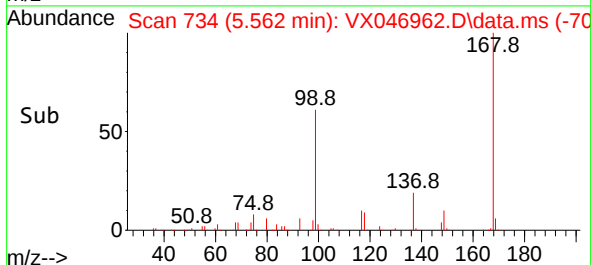
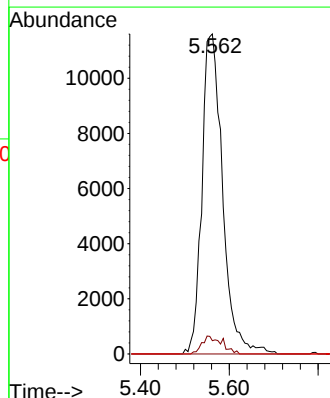
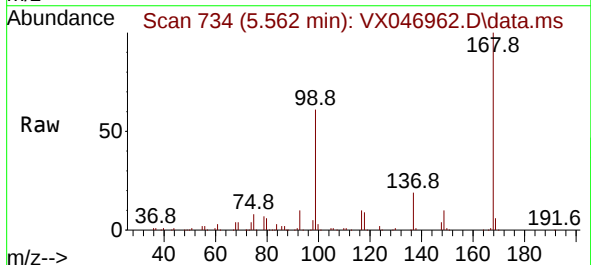
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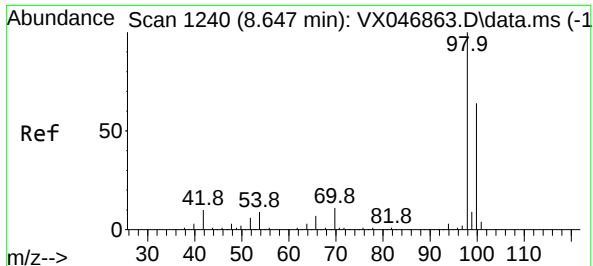
Tgt Ion: 75 Resp: 28703
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.569 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 117 Resp: 37538
Ion Ratio Lower Upper
117 100
119 4.1 76.6 114.8#
121 0.0 24.1 36.1#

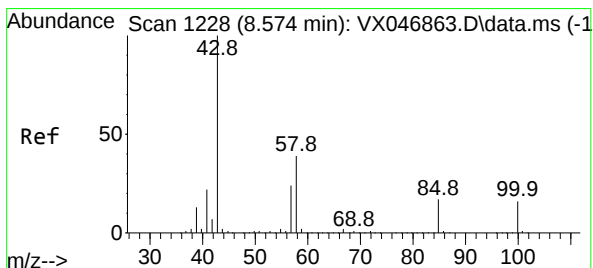
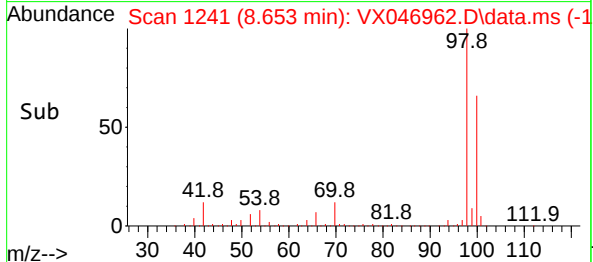
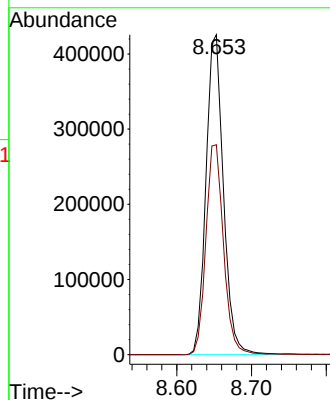
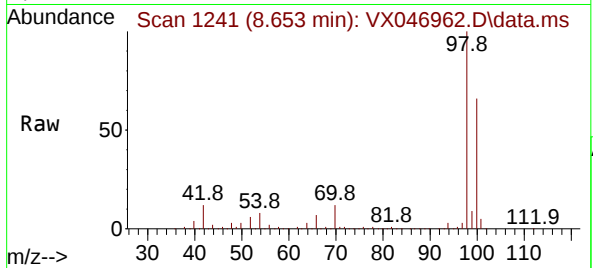




#50
Toluene-d8
Concen: 48.756 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

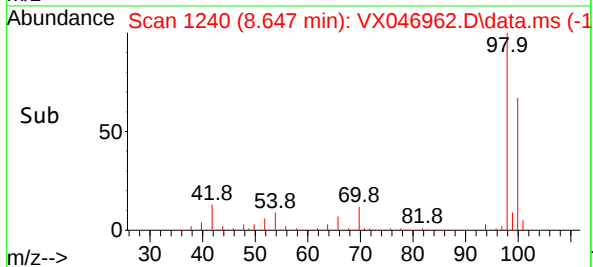
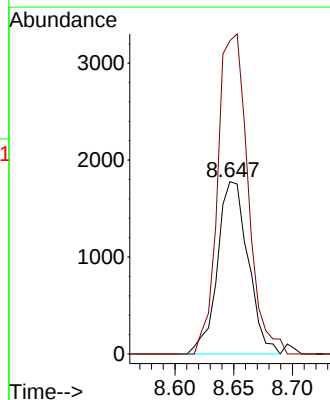
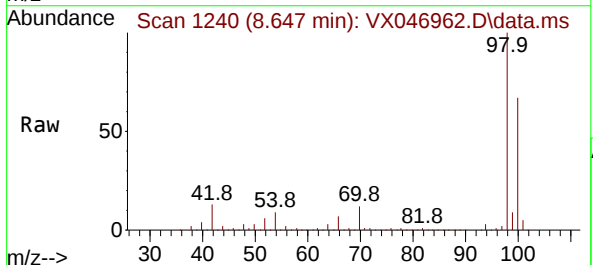
Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

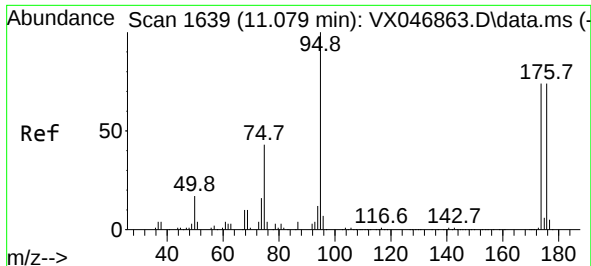
Tgt Ion: 98 Resp: 689113
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.777 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 43 Resp: 3234
Ion Ratio Lower Upper
43 100
58 183.0 30.4 45.6#

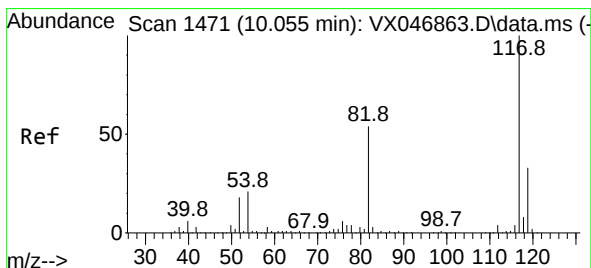
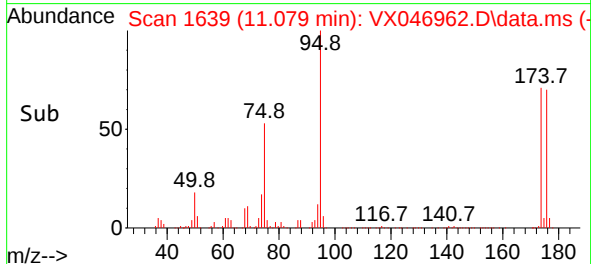
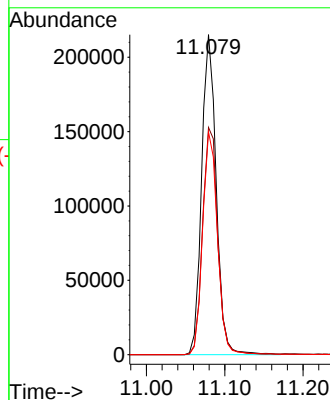
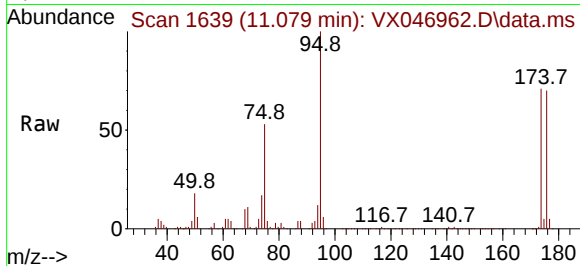




#62
4-Bromofluorobenzene
Concen: 51.766 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

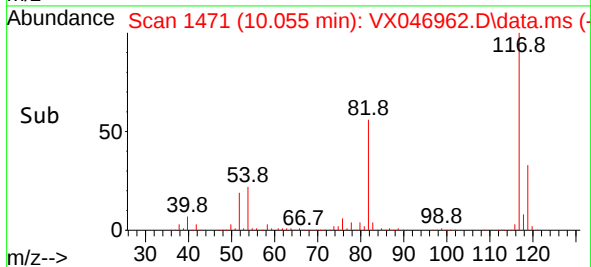
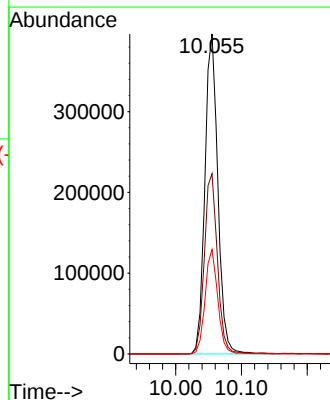
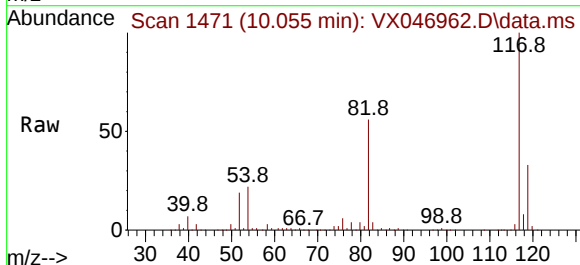
Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

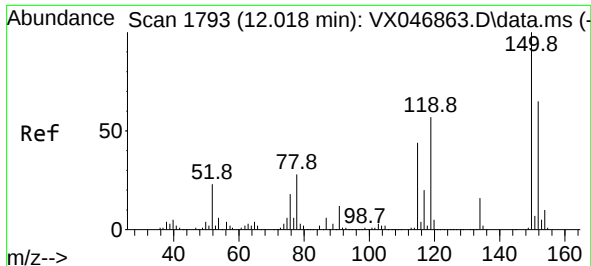
Tgt Ion: 95 Resp: 278070
Ion Ratio Lower Upper
95 100
174 73.9 0.0 152.0
176 70.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 117 Resp: 542379
Ion Ratio Lower Upper
117 100
82 56.3 43.3 64.9
119 32.6 26.4 39.6

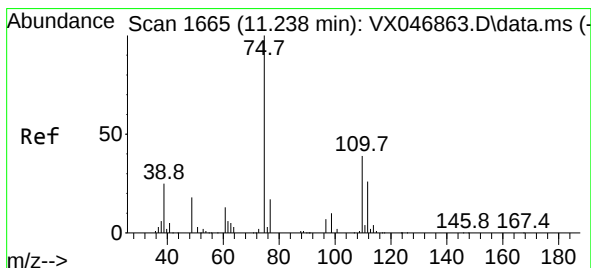
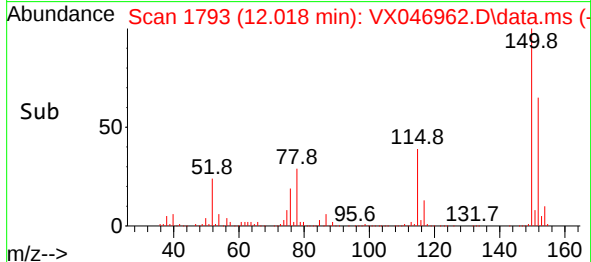
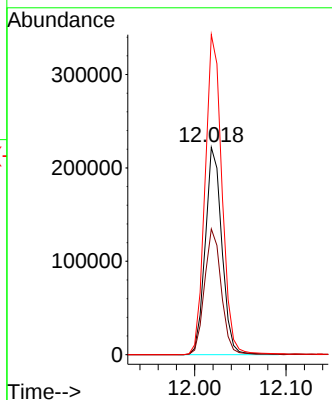
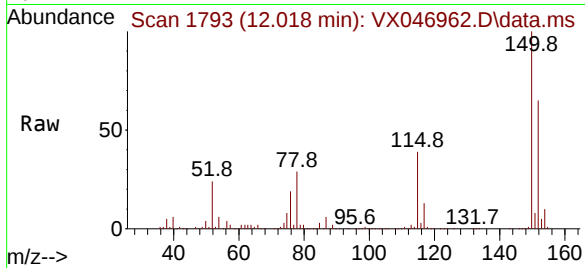




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

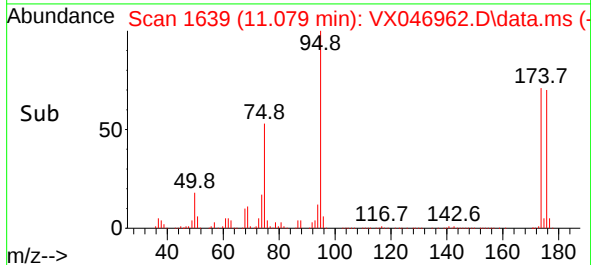
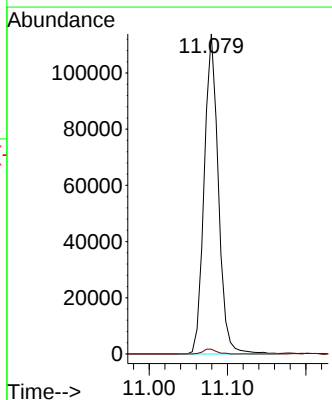
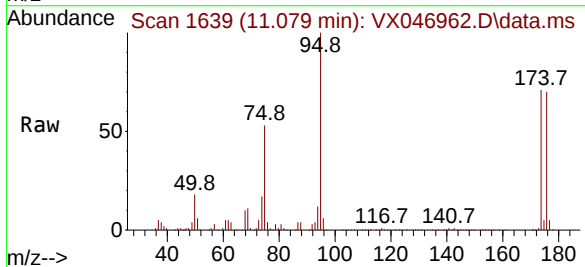
Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

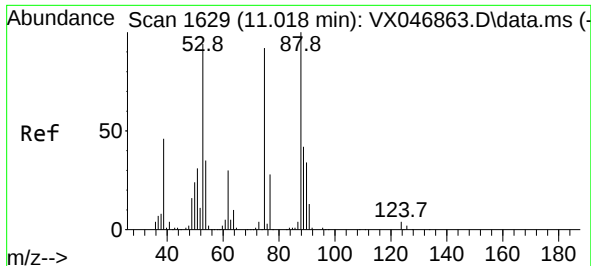
Tgt Ion:152 Resp: 279389
Ion Ratio Lower Upper
152 100
115 61.1 42.4 127.1
150 156.9 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 33.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 75 Resp: 142806
Ion Ratio Lower Upper
75 100
77 1.5 20.6 61.8#

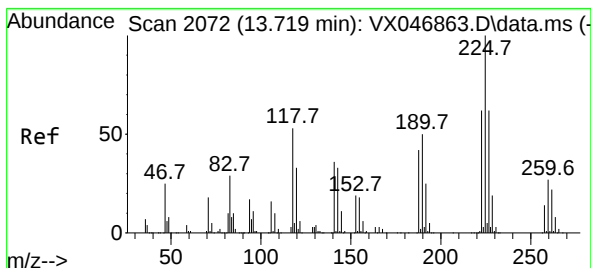
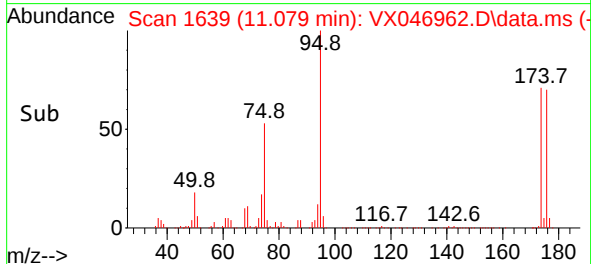
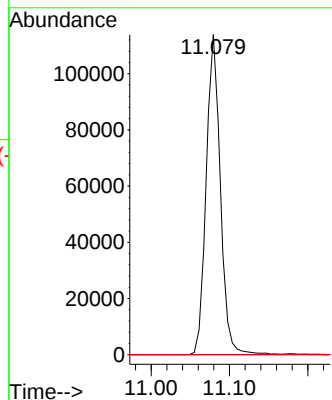
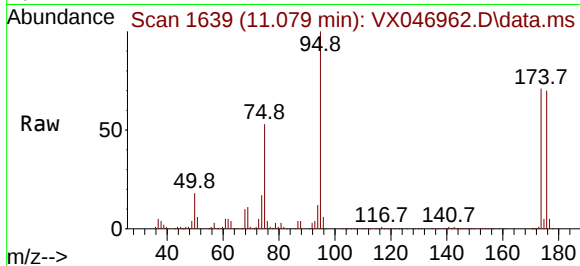




#81
trans-1,4-Dichloro-2-butene
Concen: 88.771 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

Tgt Ion: 75 Resp: 142806
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#94
Hexachlorobutadiene
Concen: 0.303 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 225 Resp: 689
Ion Ratio Lower Upper
225 100
223 83.6 31.6 94.7
227 30.0 31.6 94.7#

