

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046940.D
 Acq On : 10 Jul 2025 13:39
 Operator : JC/MD
 Sample : Q2553-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Jul 11 01:29:25 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)

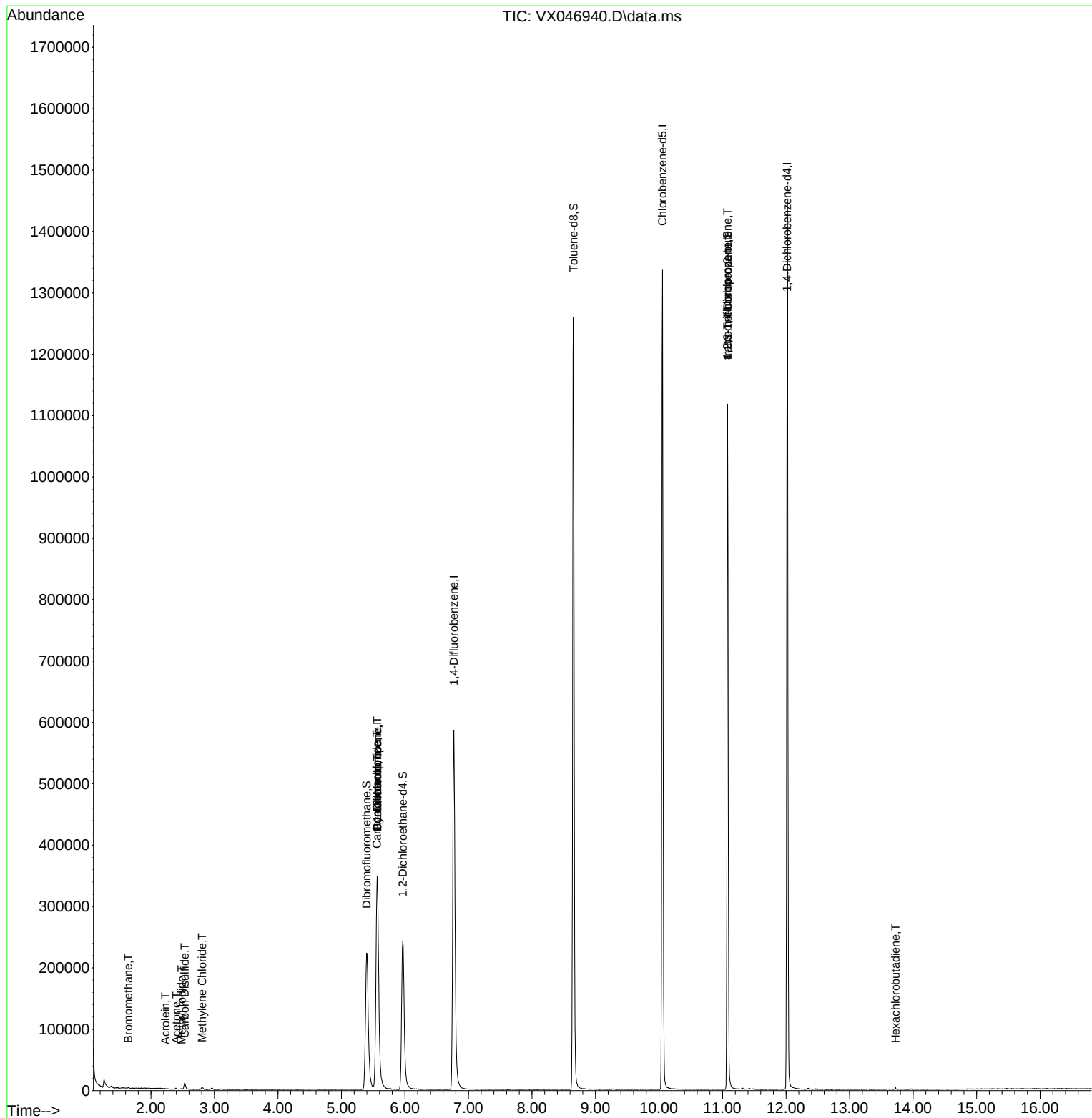
Internal Standards						
1) Pentafluorobenzene	5.562	168	355069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	638277	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	597675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	300528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	255926	54.559	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.120%			
35) Dibromofluoromethane	5.397	113	213797	49.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	8.653	98	767737	50.223	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.440%			
62) 4-Bromofluorobenzene	11.079	95	296852	51.096	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.200%			
Target Compounds						Qvalue
5) Bromomethane	1.642	94	726	0.280	ug/l #	49
10) Methyl Iodide	2.483	142	1296	0.299	ug/l #	82
13) Acrolein	2.227	56	38	2.945	ug/l #	15
16) Acetone	2.398	43	2120	1.455	ug/l	96
17) Carbon Disulfide	2.532	76	13937	1.380	ug/l	98
20) Methylene Chloride	2.806	84	1633	0.379	ug/l #	75
31) Cyclohexane	5.562	56	7184	1.071	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	29063	4.972	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36504	5.907	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	151676	32.664	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	151676	87.653	ug/l #	8
94) Hexachlorobutadiene	13.725	225	536	0.219	ug/l	83

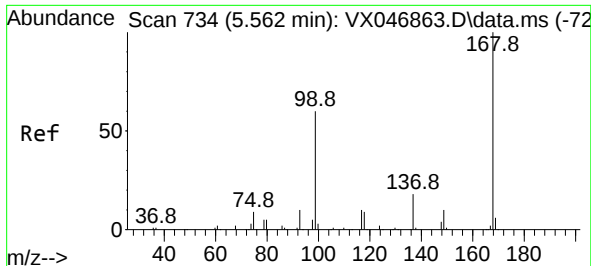
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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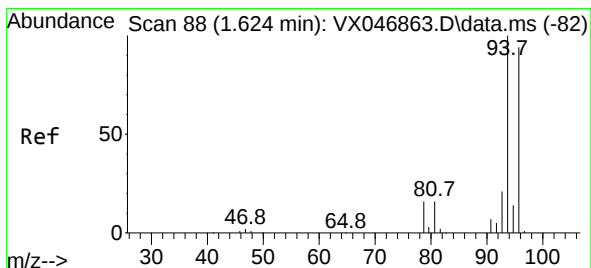
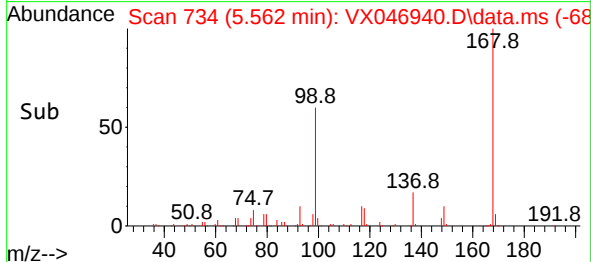
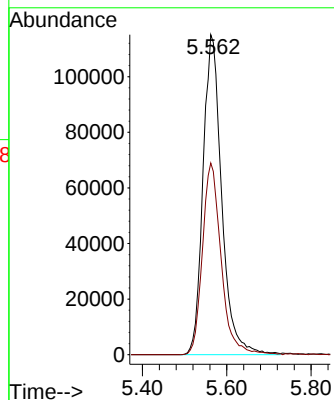
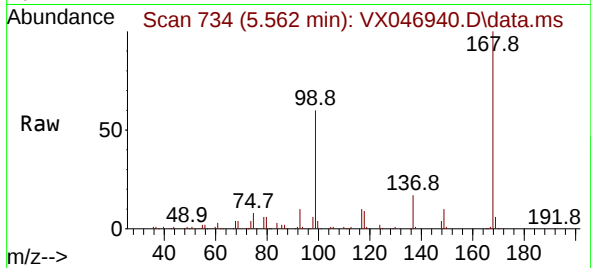




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

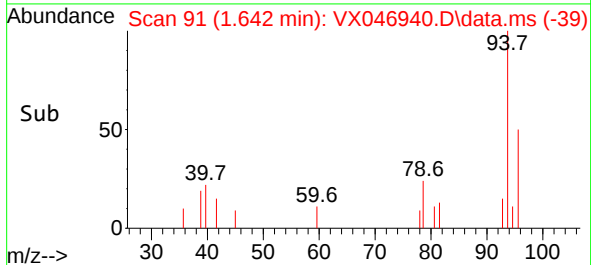
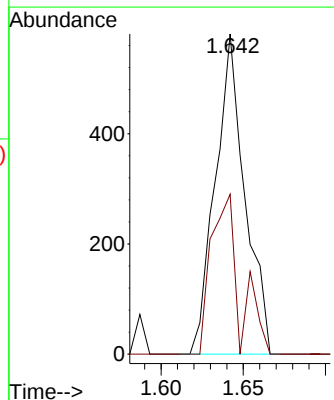
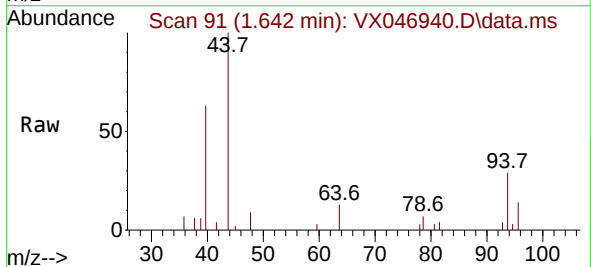
Instrument :
MSVOA_X
ClientSampleId :
FB

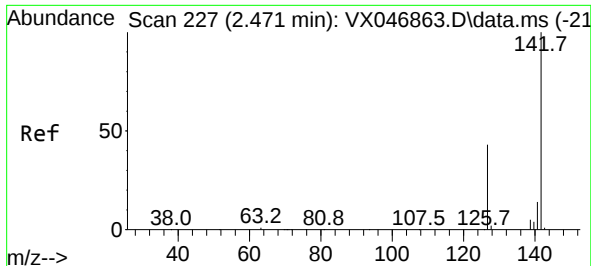
Tgt Ion:168 Resp: 355069
Ion Ratio Lower Upper
168 100
99 59.9 48.8 73.2



#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion: 94 Resp: 726
Ion Ratio Lower Upper
94 100
96 45.0 75.5 113.3#

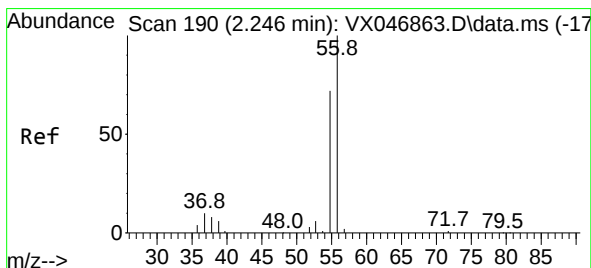
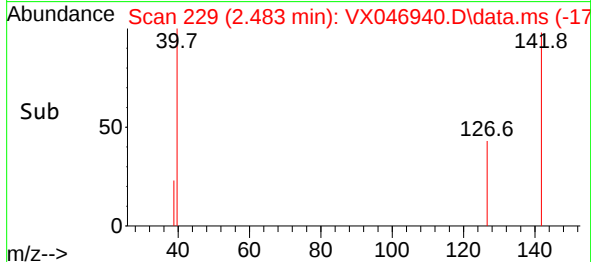
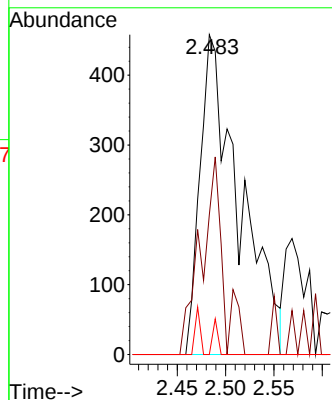
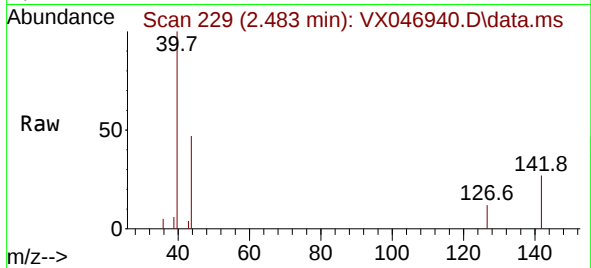




#10
Methyl Iodide
Concen: 0.299 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

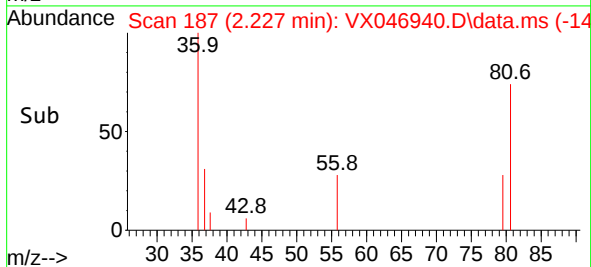
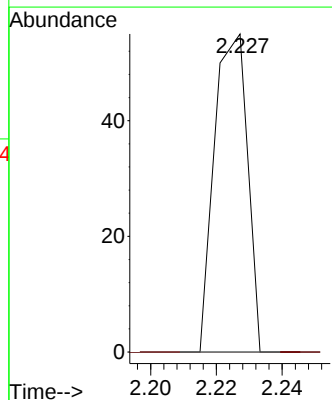
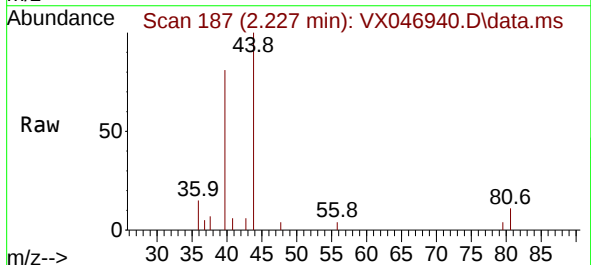
Instrument :
MSVOA_X
ClientSampleId :
FB

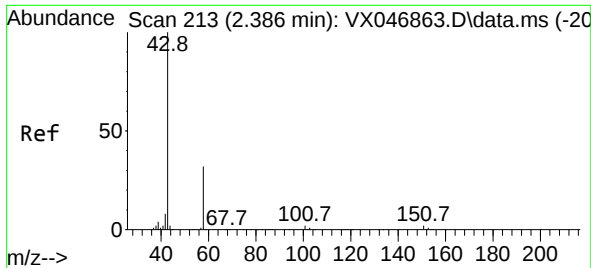
Tgt Ion:142 Resp: 1296
Ion Ratio Lower Upper
142 100
127 34.8 34.9 52.3#
141 1.5 11.1 16.7#



#13
Acrolein
Concen: 2.945 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.019 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

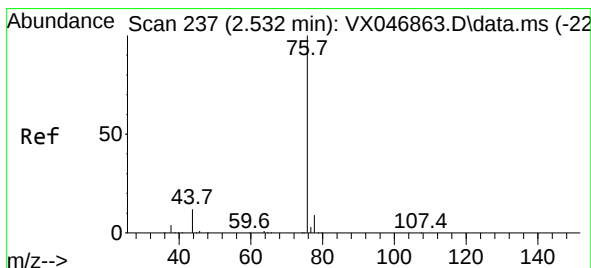
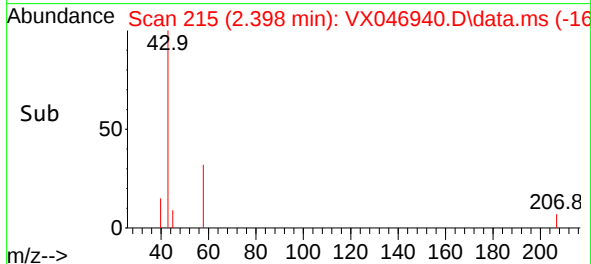
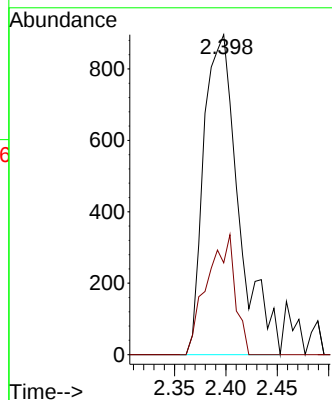
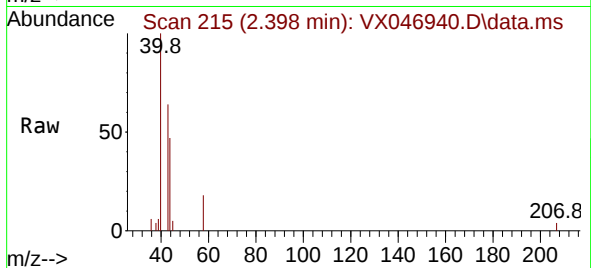




#16
Acetone
Concen: 1.455 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

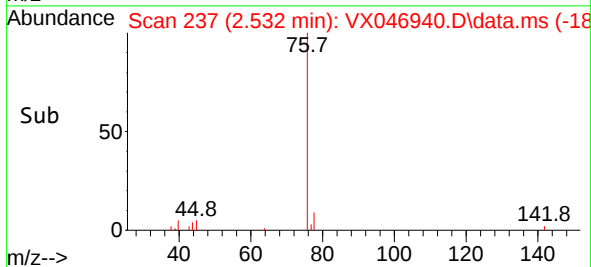
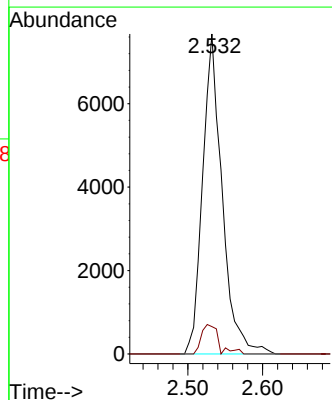
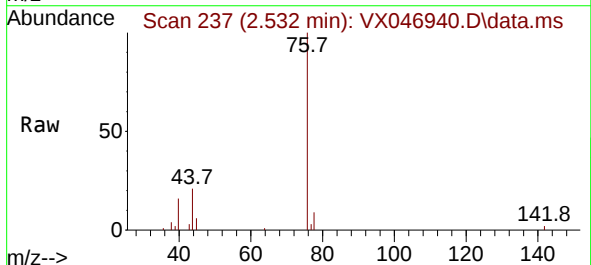
Instrument :
MSVOA_X
ClientSampleId :
FB

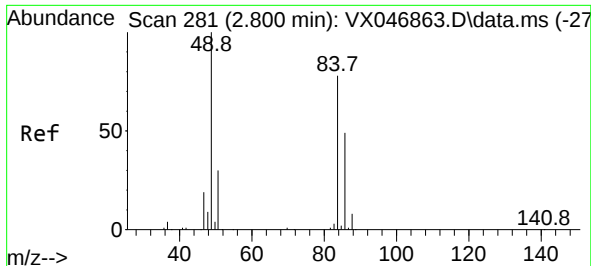
Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
58 30.2 25.8 38.6



#17
Carbon Disulfide
Concen: 1.380 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion: 76 Resp: 13937
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2

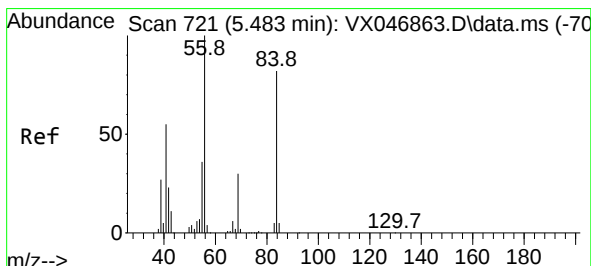
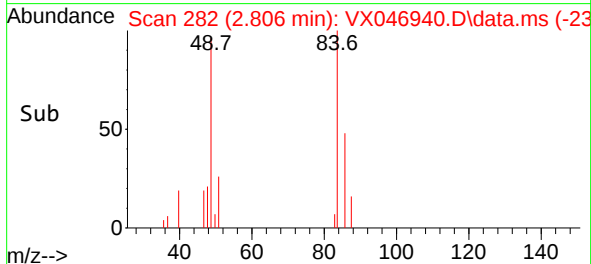
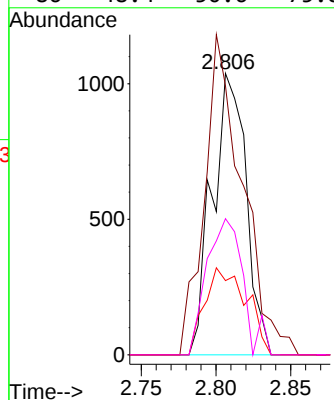
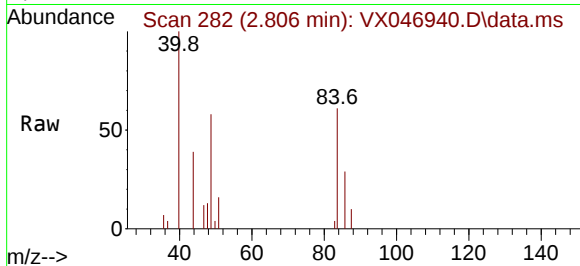




#20
Methylene Chloride
Concen: 0.379 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

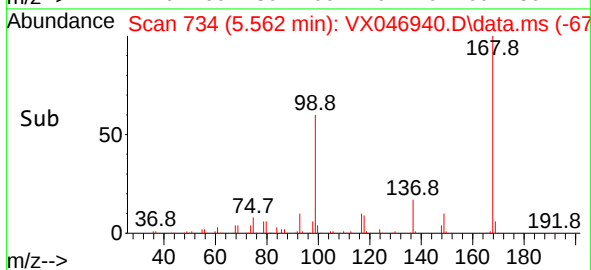
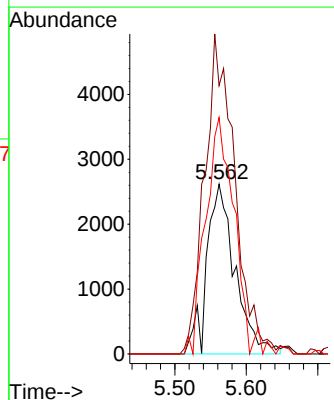
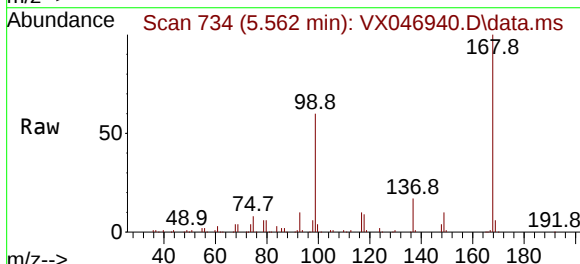
Instrument :
MSVOA_X
ClientSampleId :
FB

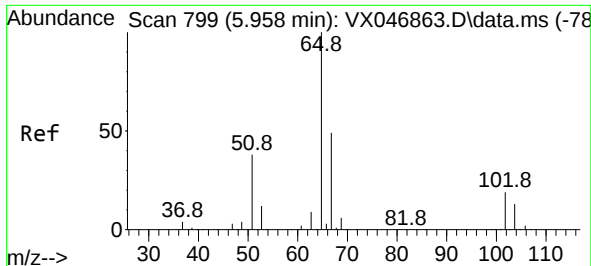
Tgt Ion:	84	Resp:	1633
Ion	Ratio	Lower	Upper
84	100		
49	95.6	102.8	154.2#
51	26.4	31.1	46.7#
86	48.4	50.6	75.8#



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion:	56	Resp:	7184
Ion	Ratio	Lower	Upper
56	100		
69	158.1	24.0	36.0#
84	139.3	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 54.559 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046940.D

Acq: 10 Jul 2025 13:39

Instrument :

MSVOA_X

ClientSampleId :

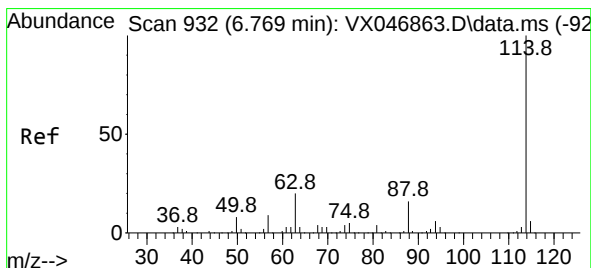
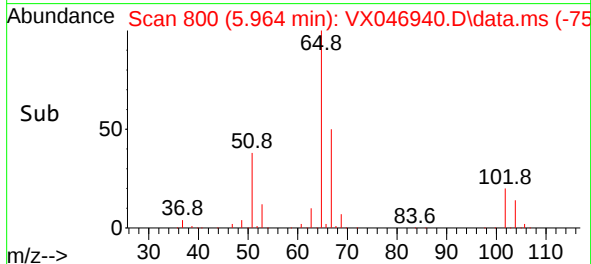
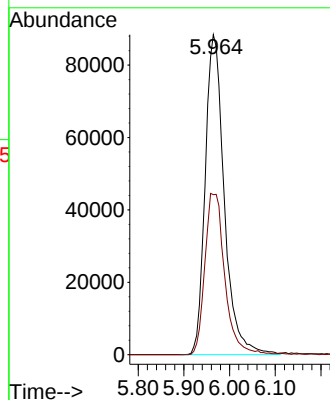
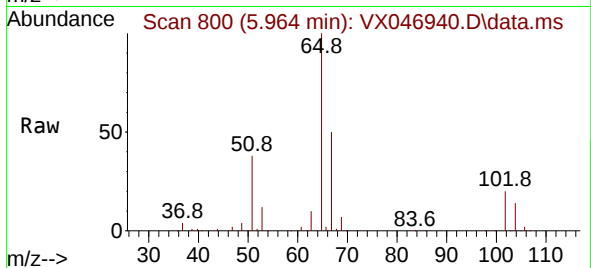
FB

Tgt Ion: 65 Resp: 255926

Ion Ratio Lower Upper

65 100

67 52.7 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: VX046940.D

Acq: 10 Jul 2025 13:39

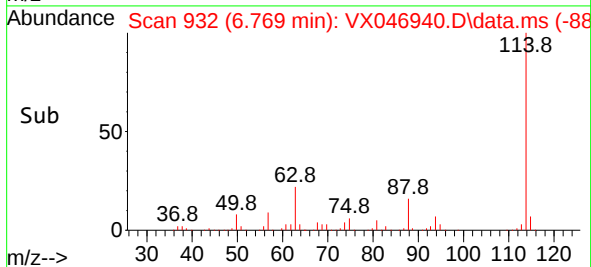
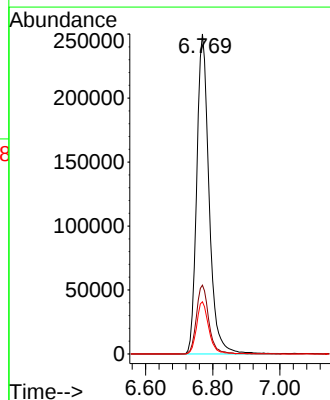
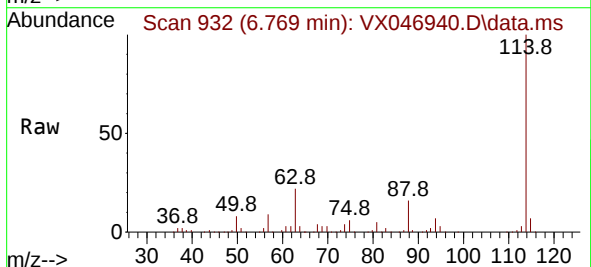
Tgt Ion: 114 Resp: 638277

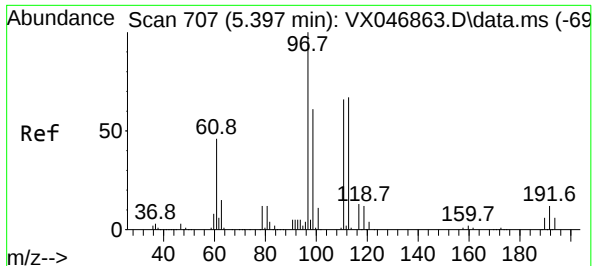
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 16.3 0.0 31.0

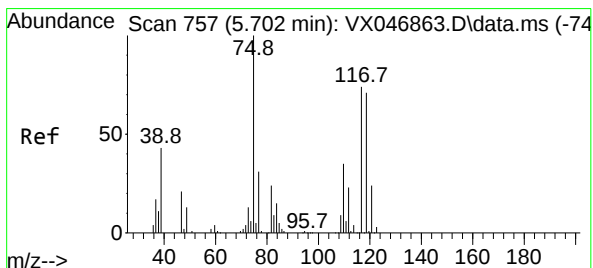
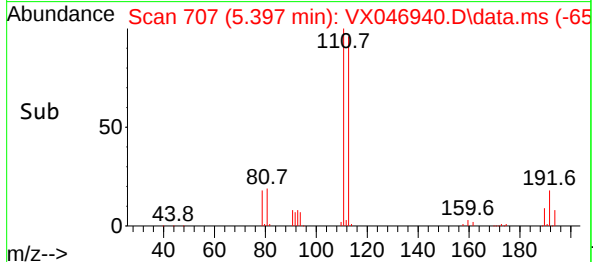
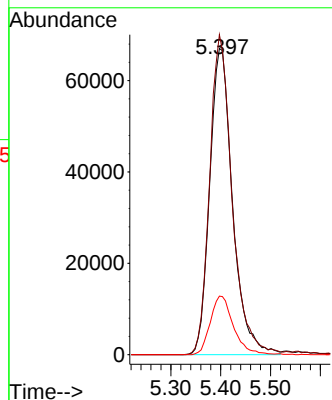
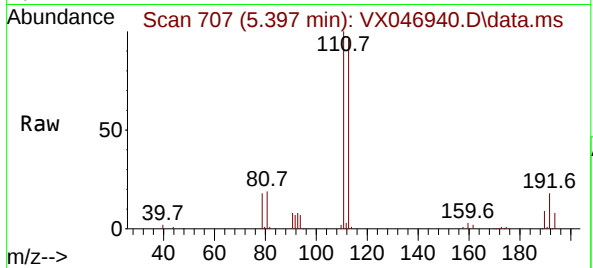




#35
Dibromofluoromethane
Concen: 49.346 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

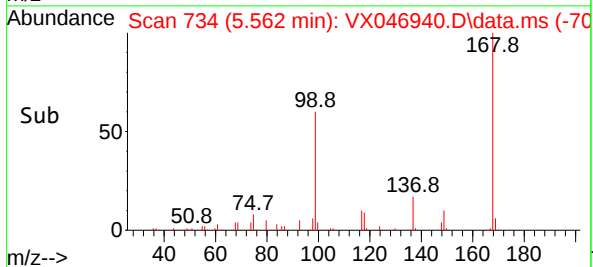
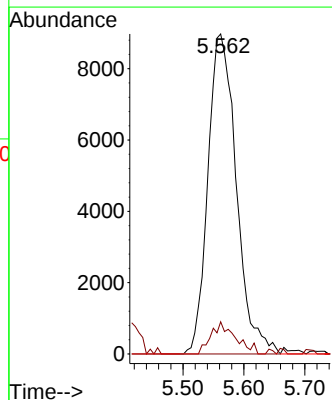
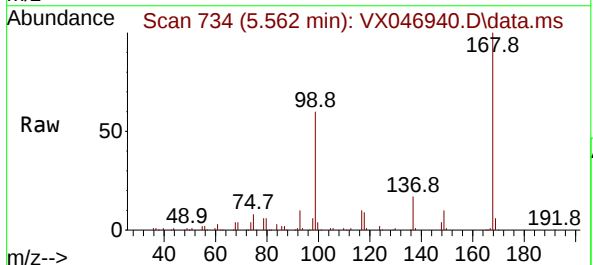
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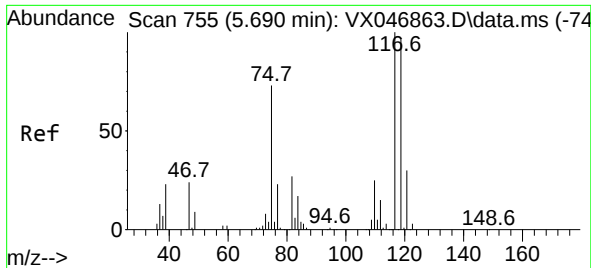
Tgt Ion:113 Resp: 213797
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 19.3 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.972 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion: 75 Resp: 29063
Ion Ratio Lower Upper
75 100
110 8.6 17.3 51.9#
77 0.0 24.2 36.4#

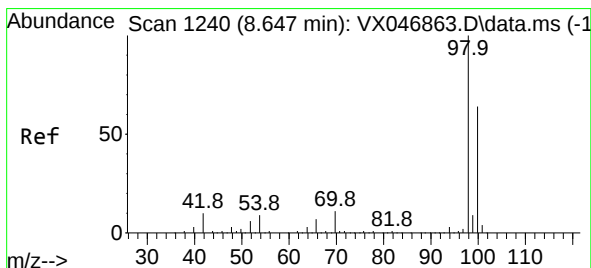
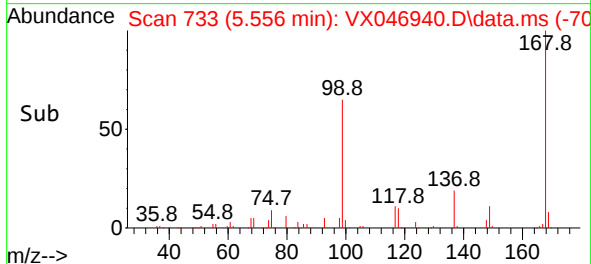
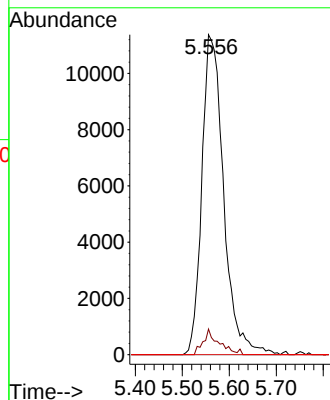
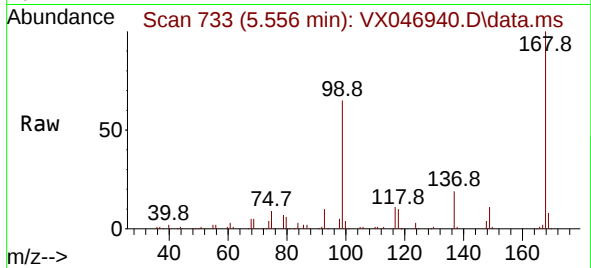




#38
Carbon Tetrachloride
Concen: 5.907 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

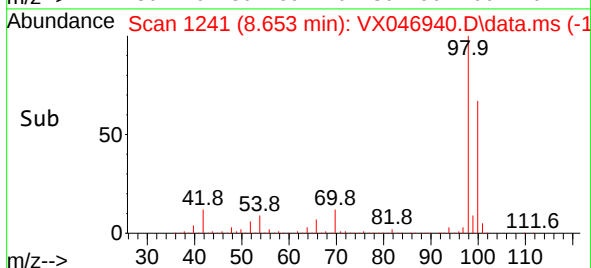
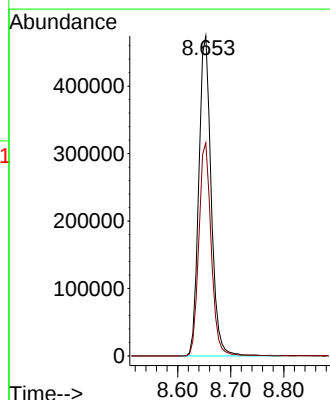
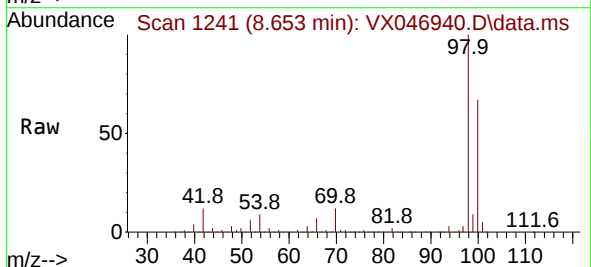
Instrument :
MSVOA_X
ClientSampleId :
FB

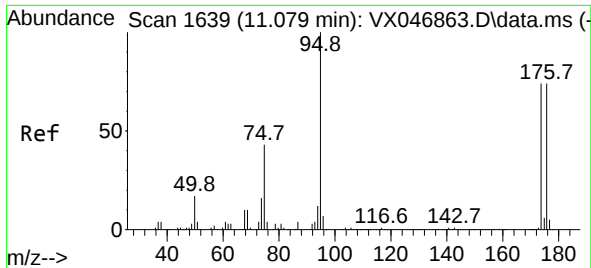
Tgt Ion:117 Resp: 36504
Ion Ratio Lower Upper
117 100
119 8.0 76.6 114.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.223 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion: 98 Resp: 767737
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.6

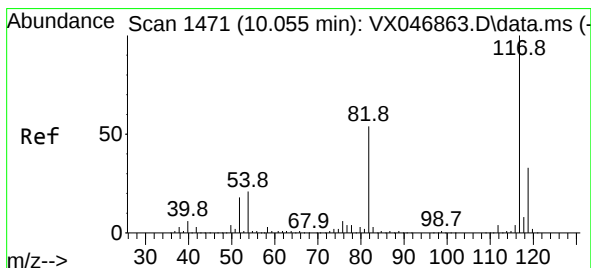
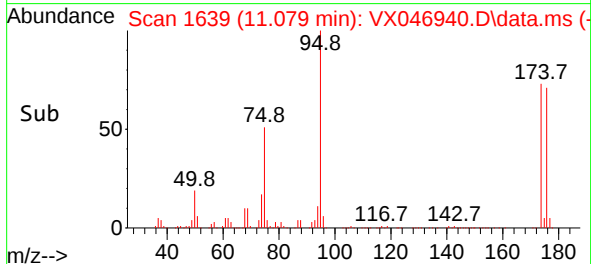
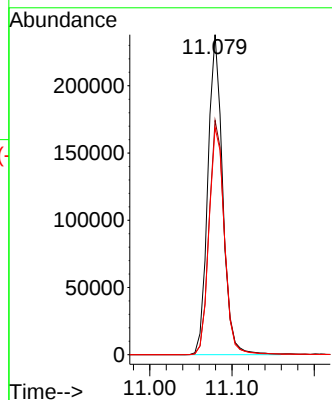
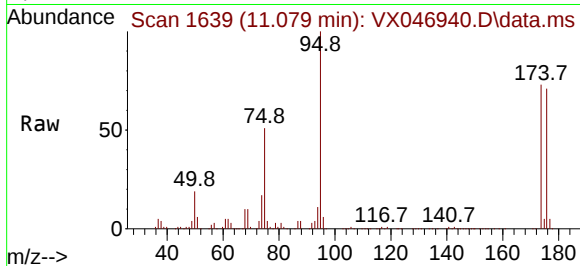




#62
4-Bromofluorobenzene
Concen: 51.096 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

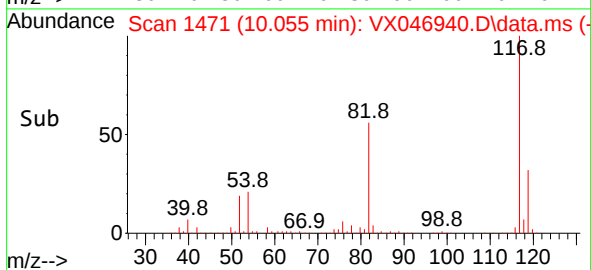
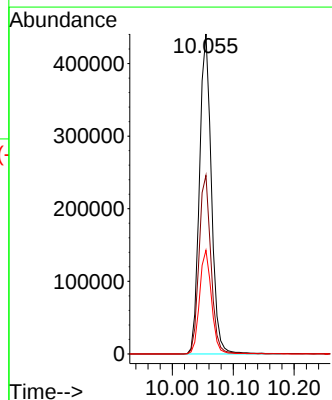
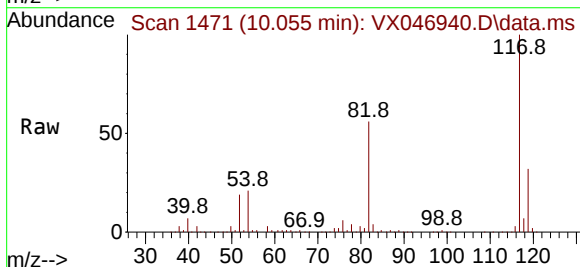
Instrument :
MSVOA_X
ClientSampleId :
FB

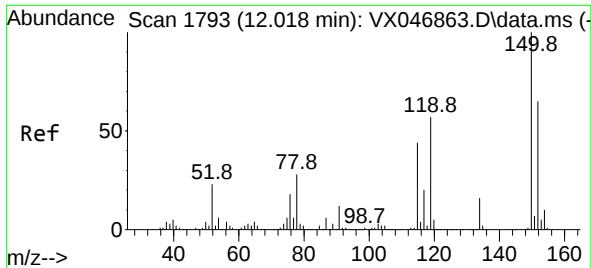
Tgt Ion: 95 Resp: 296852
Ion Ratio Lower Upper
95 100
174 75.9 0.0 152.0
176 74.5 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion: 117 Resp: 597675
Ion Ratio Lower Upper
117 100
82 55.8 43.3 64.9
119 32.4 26.4 39.6

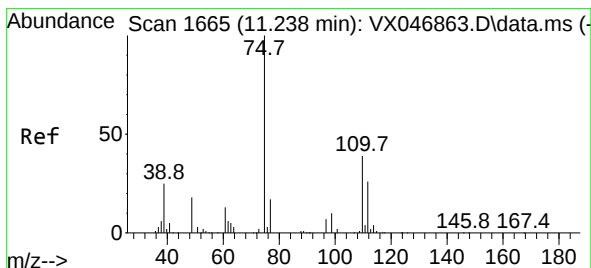
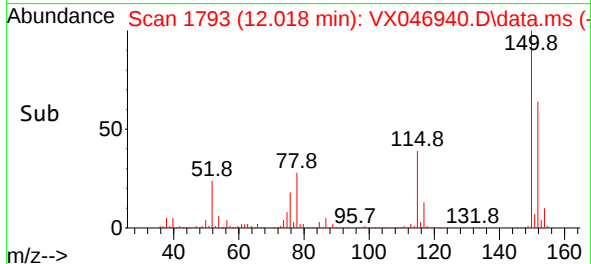
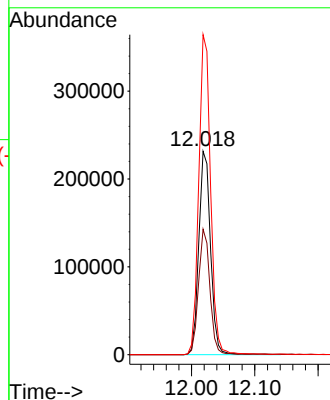
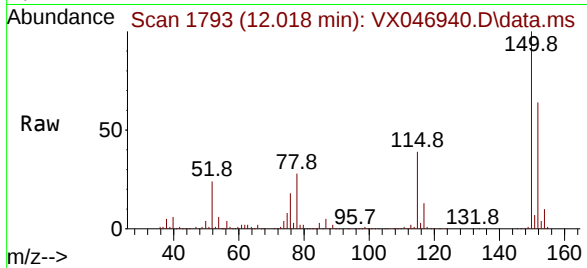




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046940.D
 Acq: 10 Jul 2025 13:39

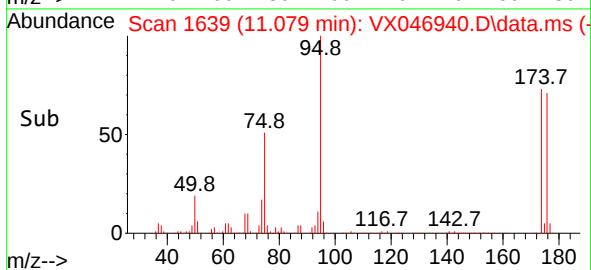
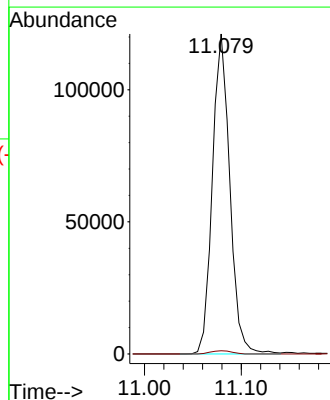
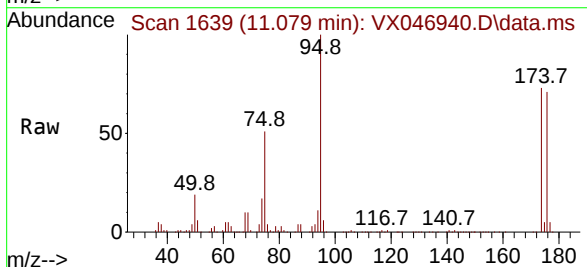
Instrument :
 MSVOA_X
 ClientSampleId :
 FB

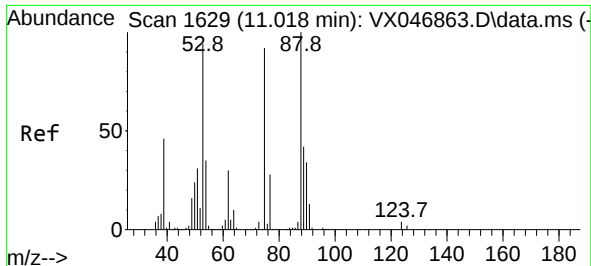
Tgt Ion:152 Resp: 300528
 Ion Ratio Lower Upper
 152 100
 115 59.9 42.4 127.1
 150 158.1 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.664 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046940.D
 Acq: 10 Jul 2025 13:39

Tgt Ion: 75 Resp: 151676
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.6 61.8#

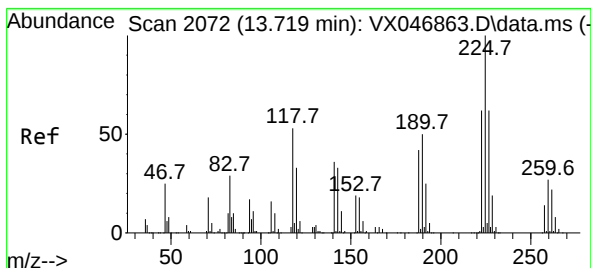
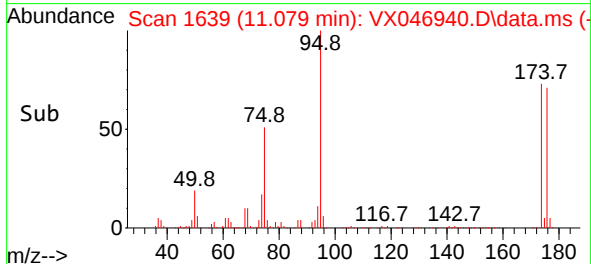
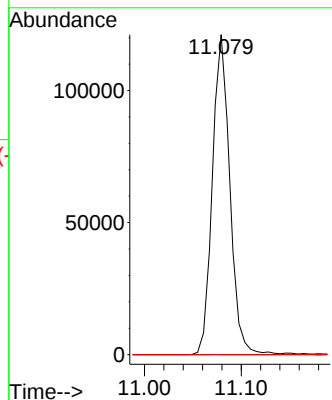
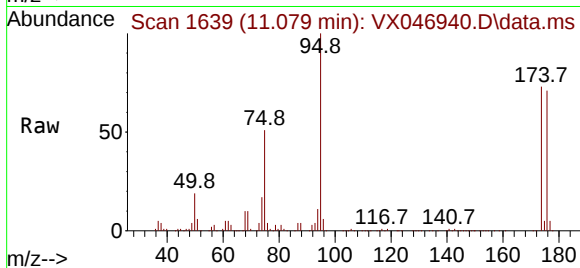




#81
trans-1,4-Dichloro-2-butene
Concen: 87.653 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion: 75 Resp: 151676
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#94
Hexachlorobutadiene
Concen: 0.219 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046940.D
Acq: 10 Jul 2025 13:39

Tgt Ion: 225 Resp: 536
Ion Ratio Lower Upper
225 100
223 41.8 31.6 94.7
227 58.0 31.6 94.7

