

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047315.D
 Acq On : 13 Aug 2025 12:35
 Operator : JC/MD
 Sample : Q2814-16RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Aug 14 03:27:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

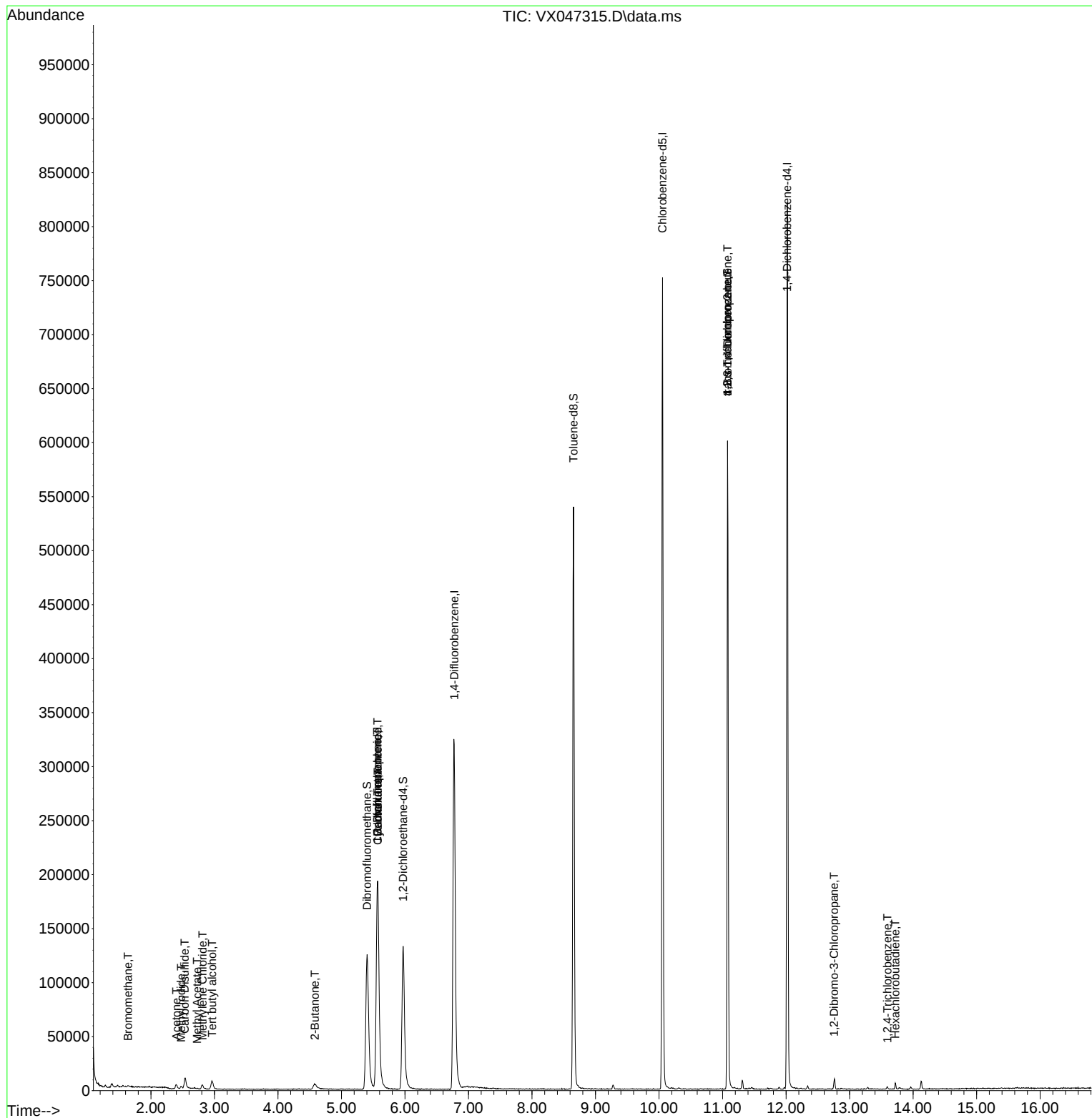
Internal Standards						
1) Pentafluorobenzene	5.568	168	198338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	355555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	329474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	170270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	140095	56.703	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 113.400%		
35) Dibromofluoromethane	5.403	113	121014	55.124	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.240%		
50) Toluene-d8	8.653	98	329442	46.338	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 92.680%		
62) 4-Bromofluorobenzene	11.079	95	163126	53.243	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 106.480%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	553	0.363	ug/l #	40
10) Methyl Iodide	2.477	142	3444	1.343	ug/l #	44
11) Tert butyl alcohol	2.965	59	4635	6.009	ug/l #	75
16) Acetone	2.398	43	6256	6.321	ug/l	90
17) Carbon Disulfide	2.532	76	9346	1.296	ug/l #	85
18) Methyl Acetate	2.727	43	553	0.210	ug/l #	54
20) Methylene Chloride	2.812	84	1579	0.580	ug/l #	82
25) 2-Butanone	4.580	43	320	0.222	ug/l #	52
31) Cyclohexane	5.574	56	4349	0.942	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15773	4.215	ug/l #	52
38) Carbon Tetrachloride	5.568	117	21483	5.379	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	83495	26.493	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	83495	68.256	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	284	0.386	ug/l #	2
93) 1,2,4-Trichlorobenzene	13.597	180	775	0.200	ug/l	88
94) Hexachlorobutadiene	13.719	225	921	0.701	ug/l	93

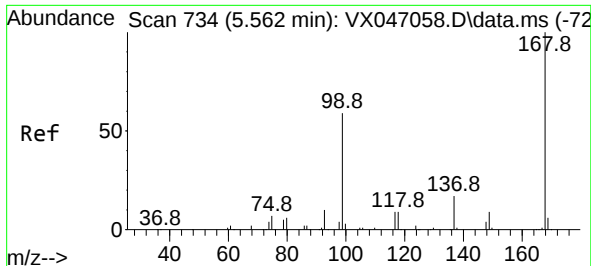
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
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FB

Quant Time: Aug 14 03:27:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

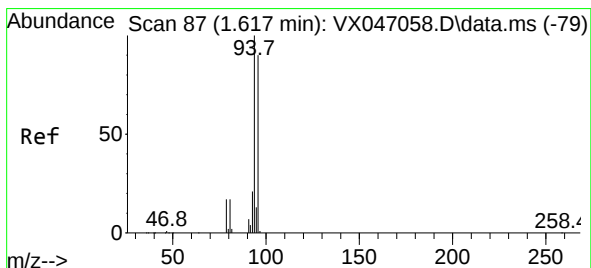
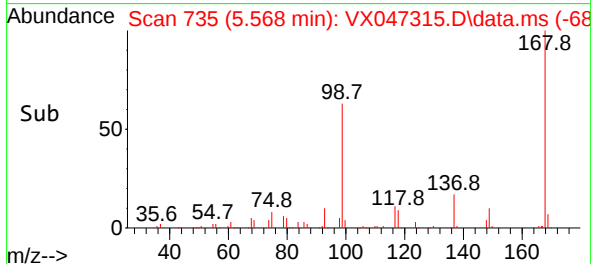
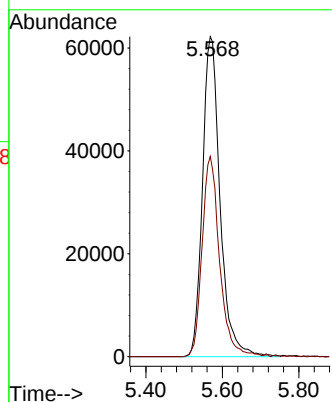
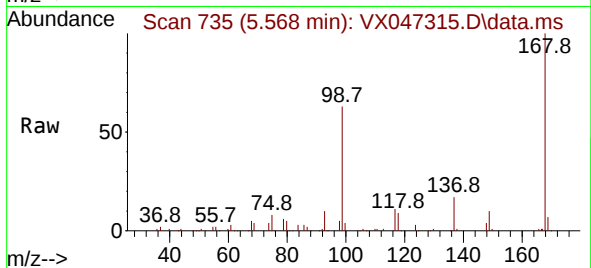




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

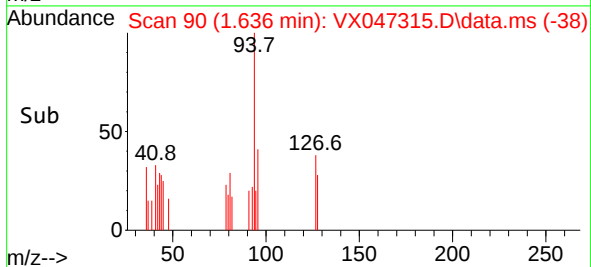
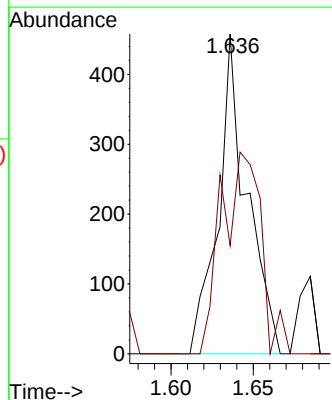
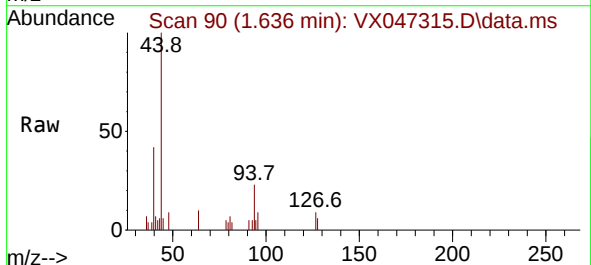
Instrument :
MSVOA_X
ClientSampleId :
FB

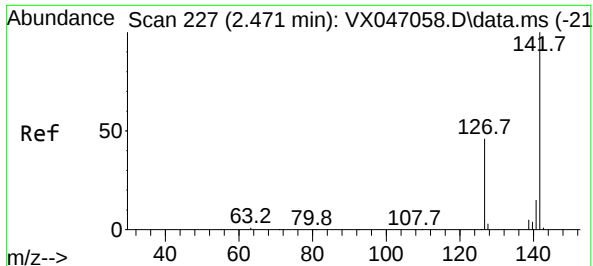
Tgt Ion:168 Resp: 198338
Ion Ratio Lower Upper
168 100
99 62.6 48.0 72.0



#5
Bromomethane
Concen: 0.363 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 94 Resp: 553
Ion Ratio Lower Upper
94 100
96 33.8 72.3 108.5#

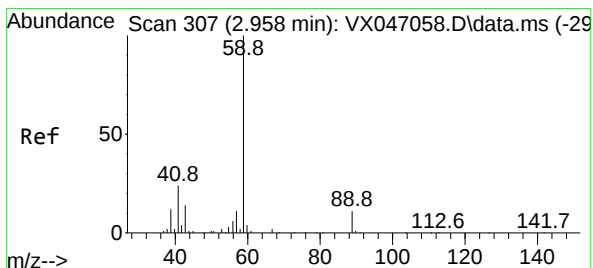
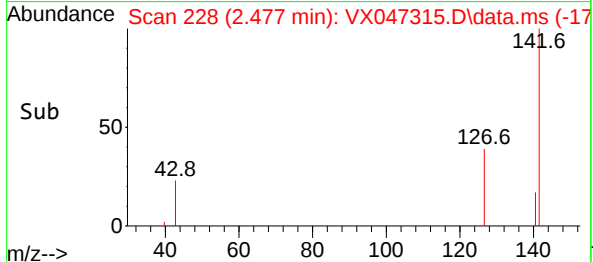
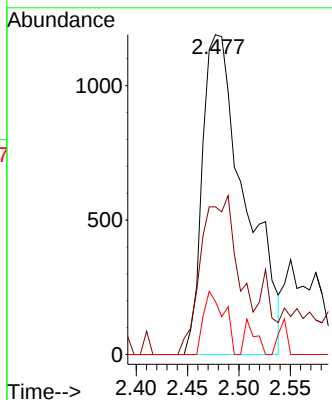
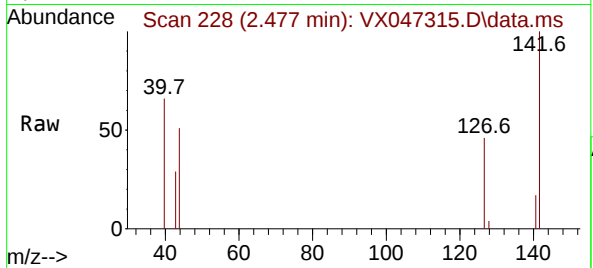




#10
Methyl Iodide
Concen: 1.343 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

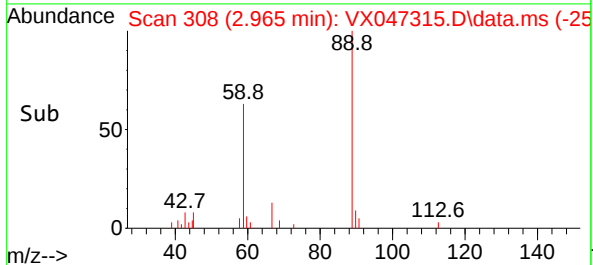
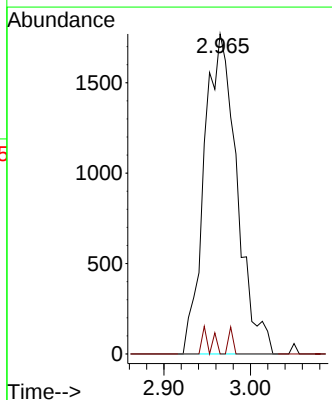
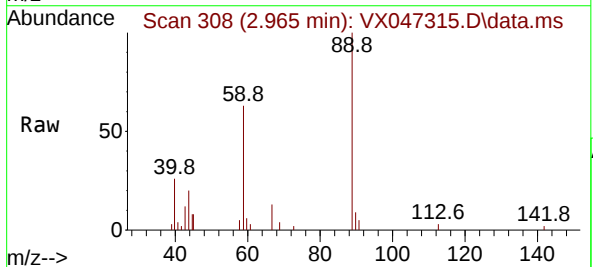
Instrument :
MSVOA_X
ClientSampleId :
FB

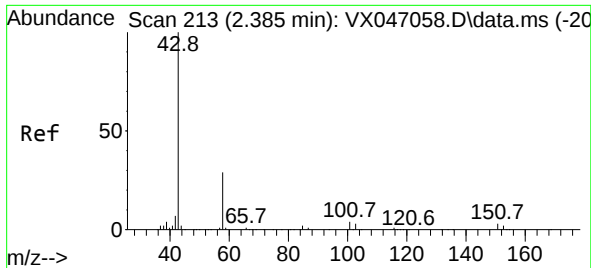
Tgt Ion:142 Resp: 3444
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 9.5 10.9 16.3#



#11
Tert butyl alcohol
Concen: 6.009 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 59 Resp: 4635
Ion Ratio Lower Upper
59 100
57 1.2 8.5 12.7#





#16

Acetone

Concen: 6.321 ug/l

RT: 2.398 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX047315.D

Acq: 13 Aug 2025 12:35

Instrument :

MSVOA_X

ClientSampleId :

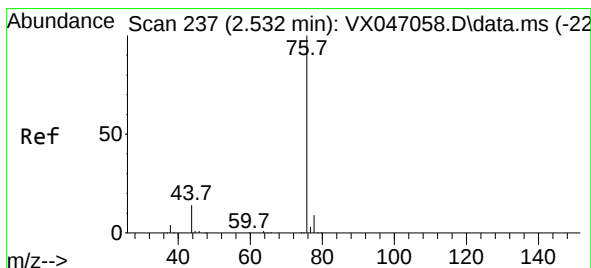
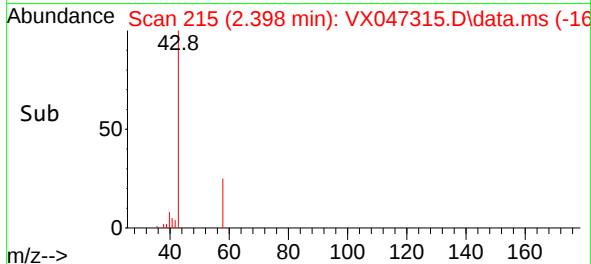
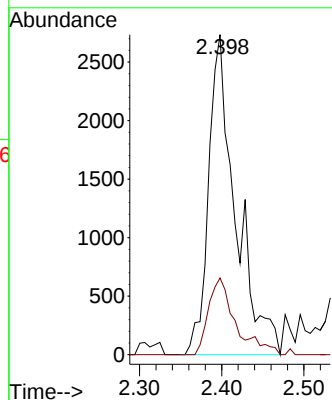
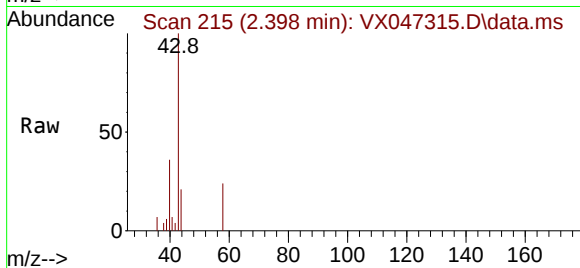
FB

Tgt Ion: 43 Resp: 6256

Ion Ratio Lower Upper

43 100

58 24.6 24.0 36.0



#17

Carbon Disulfide

Concen: 1.296 ug/l

RT: 2.532 min Scan# 237

Delta R.T. 0.000 min

Lab File: VX047315.D

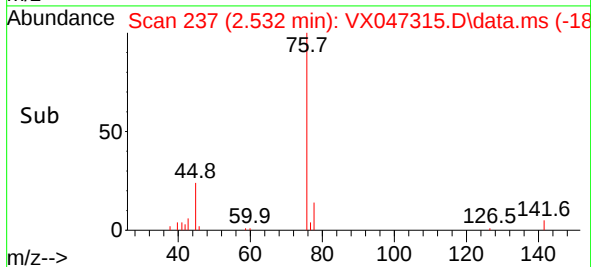
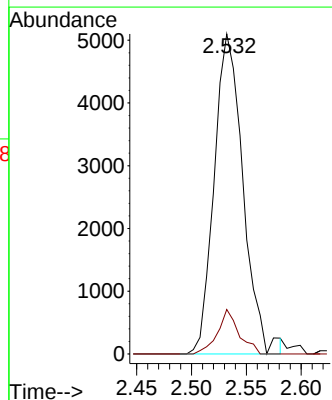
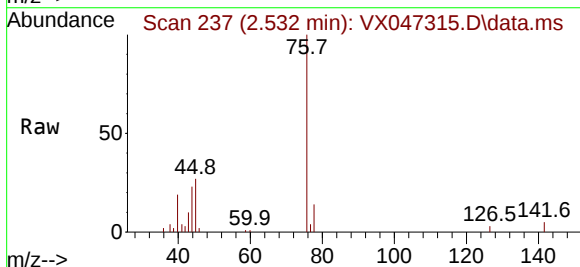
Acq: 13 Aug 2025 12:35

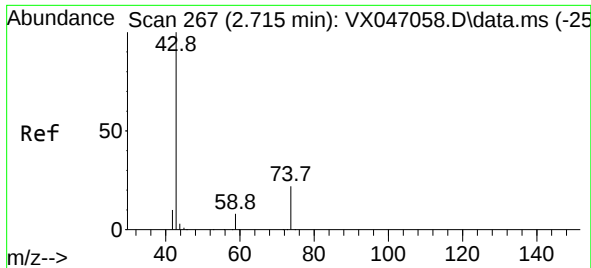
Tgt Ion: 76 Resp: 9346

Ion Ratio Lower Upper

76 100

78 13.9 7.0 10.4#

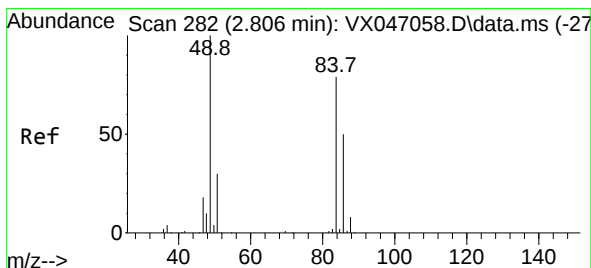
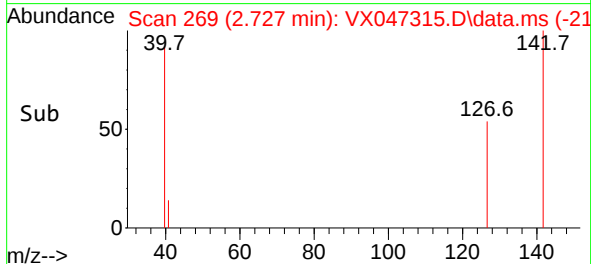
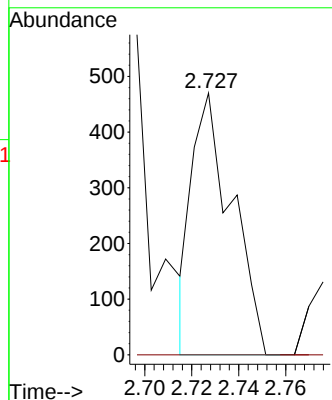
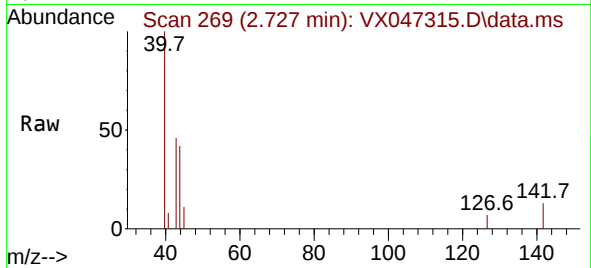




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.013 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

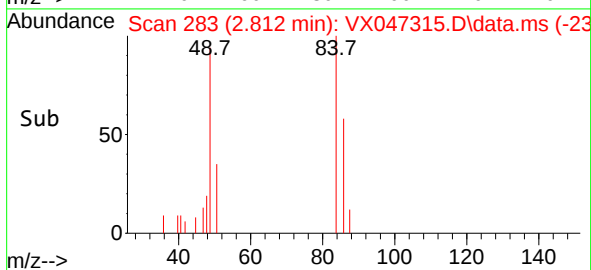
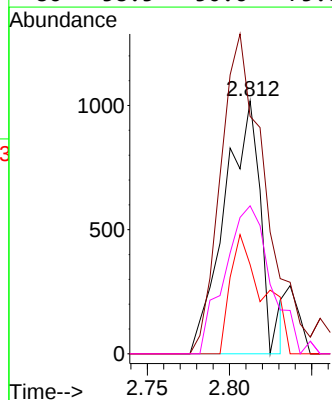
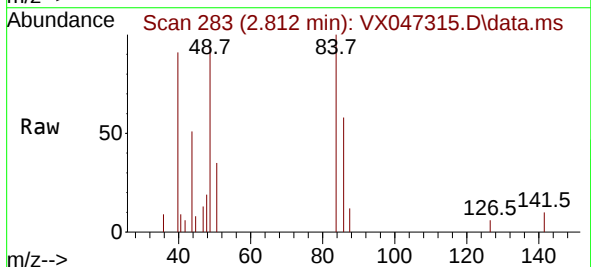
Instrument :
MSVOA_X
ClientSampleId :
FB

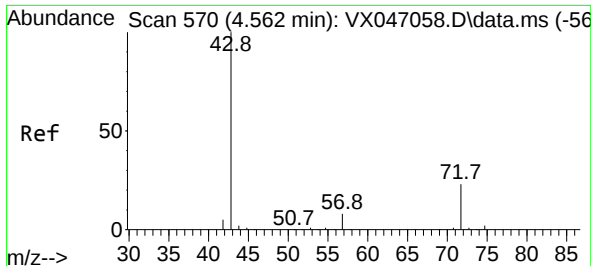
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.580 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 84 Resp: 1579
Ion Ratio Lower Upper
84 100
49 93.8 101.6 152.4#
51 35.2 30.3 45.5
86 58.5 50.6 75.8

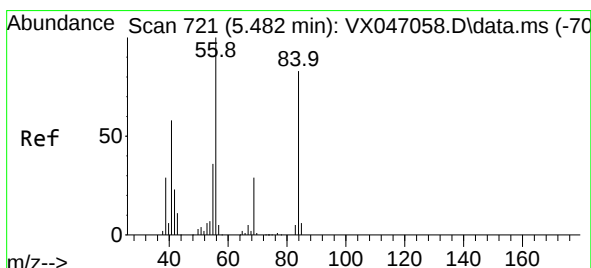
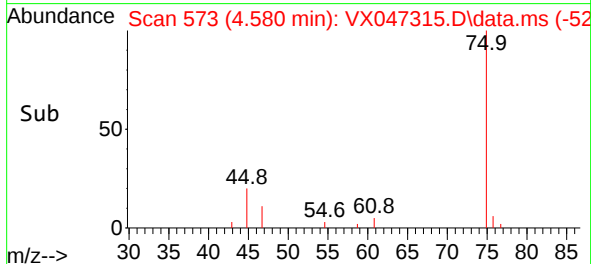
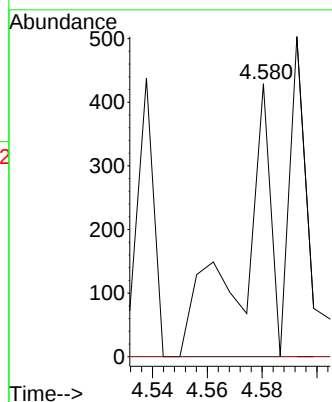
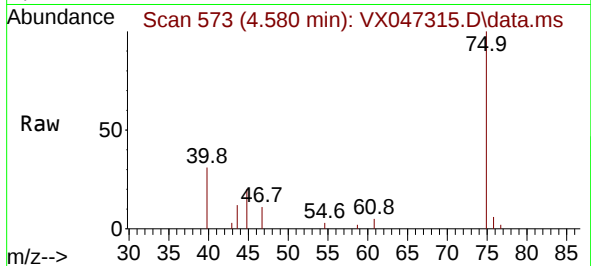




#25
2-Butanone
Concen: 0.222 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

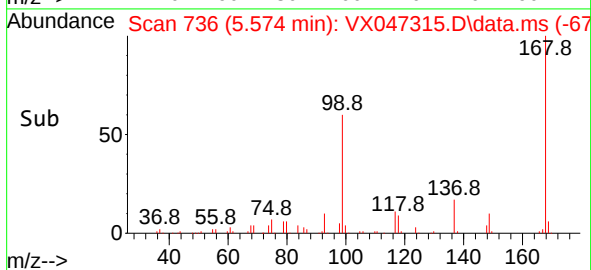
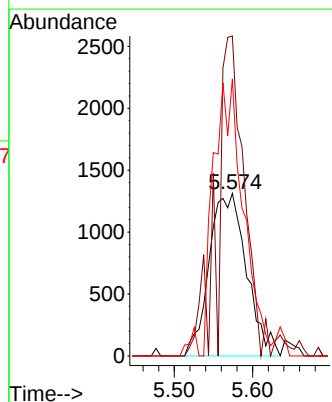
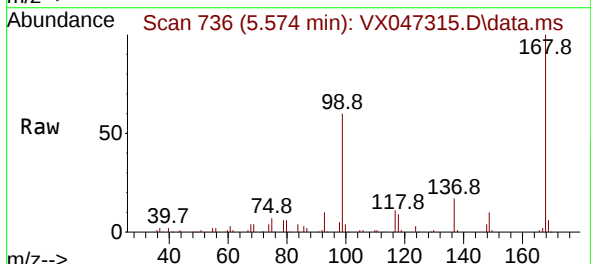
Instrument :
MSVOA_X
ClientSampleId :
FB

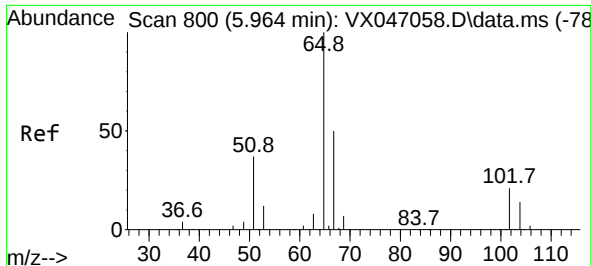
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.574 min Scan# 736
Delta R.T. 0.092 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 56 Resp: 4349
Ion Ratio Lower Upper
56 100
69 197.0 23.3 34.9#
84 170.6 66.5 99.7#

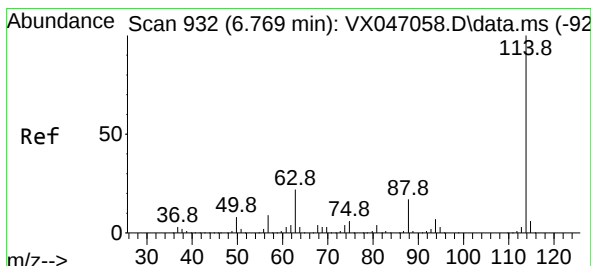
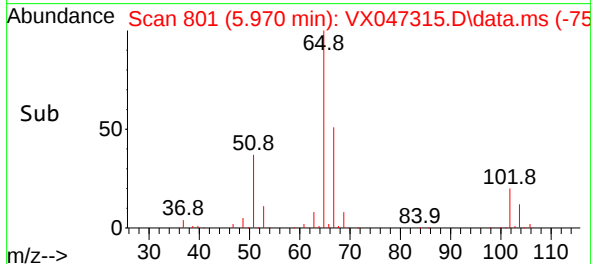
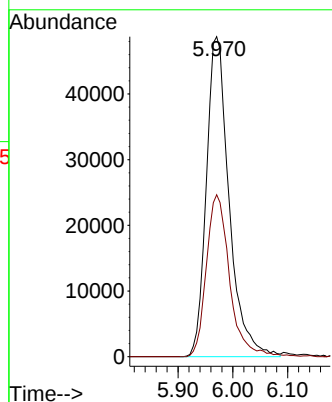
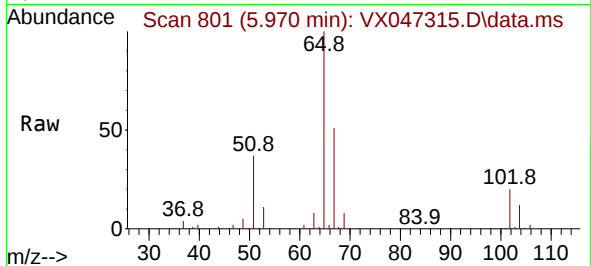




#33
 1,2-Dichloroethane-d4
 Concen: 56.703 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047315.D
 Acq: 13 Aug 2025 12:35

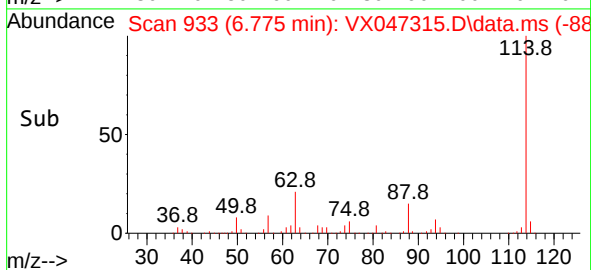
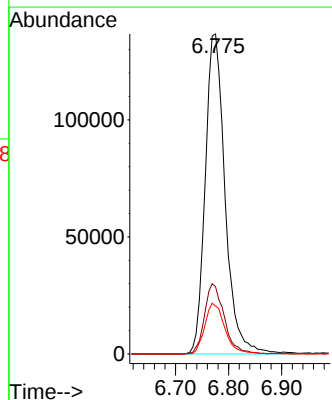
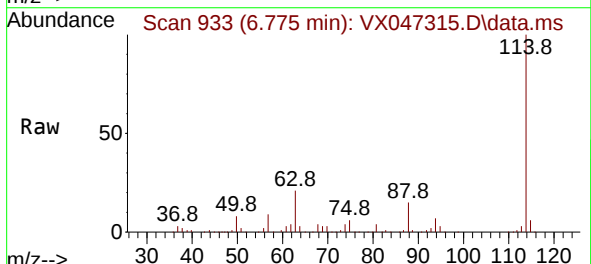
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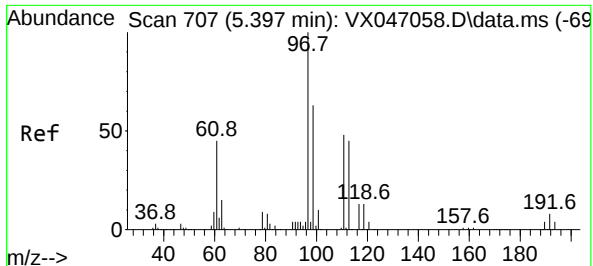
Tgt Ion: 65 Resp: 140095
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.006 min
 Lab File: VX047315.D
 Acq: 13 Aug 2025 12:35

Tgt Ion: 114 Resp: 355555
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 15.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.124 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047315.D

Acq: 13 Aug 2025 12:35

Instrument :

MSVOA_X

ClientSampleId :

FB

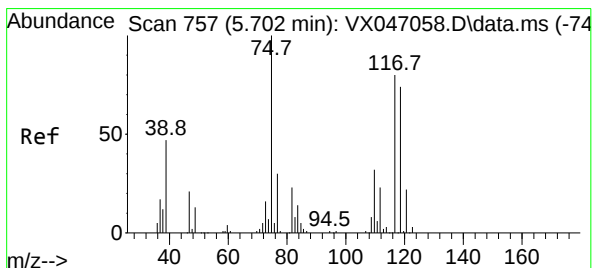
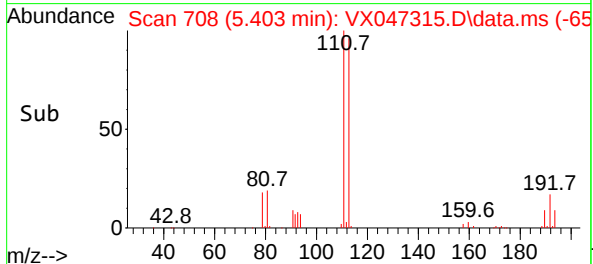
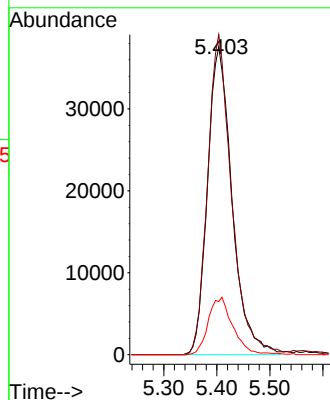
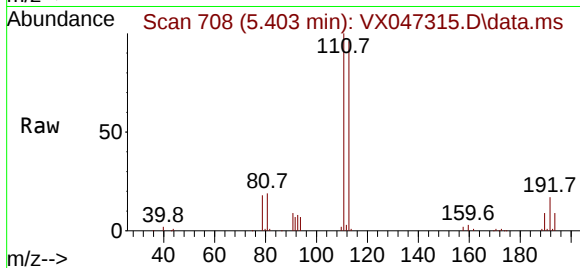
Tgt Ion:113 Resp: 121014

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 18.7 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.215 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047315.D

Acq: 13 Aug 2025 12:35

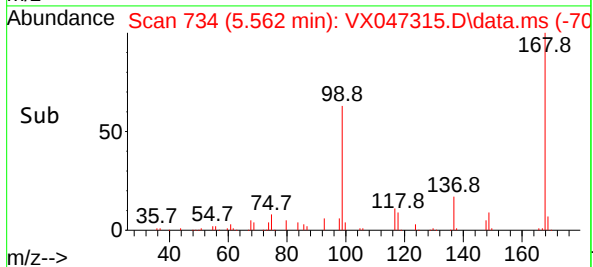
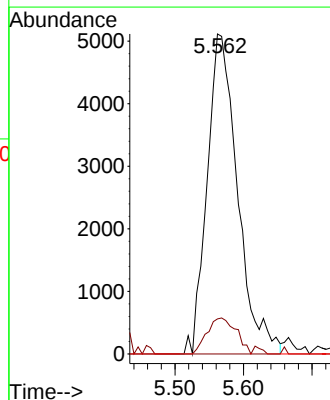
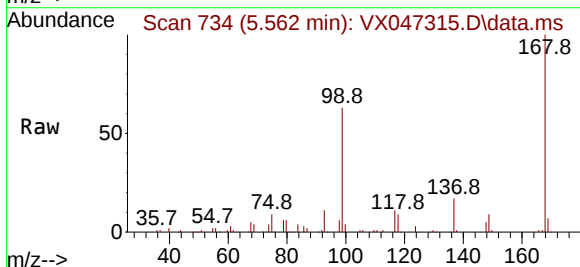
Tgt Ion: 75 Resp: 15773

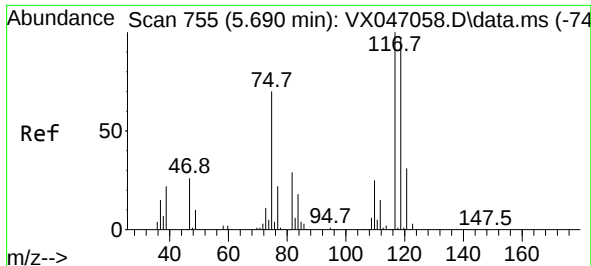
Ion Ratio Lower Upper

75 100

110 10.8 17.2 51.5#

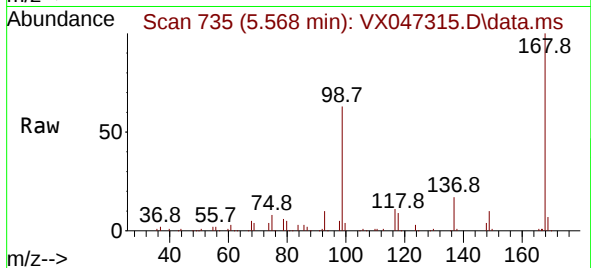
77 0.0 25.1 37.7#



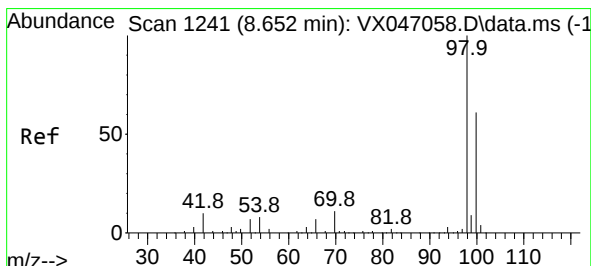
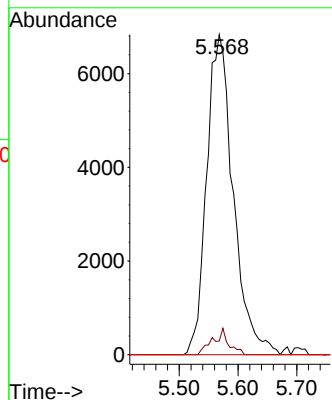
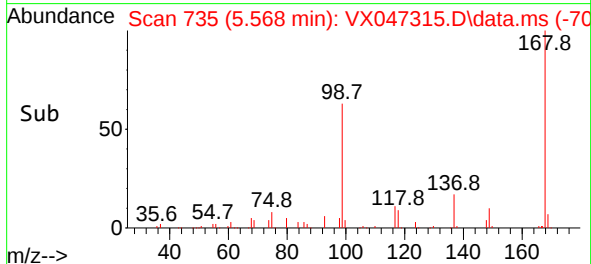


#38
Carbon Tetrachloride
Concen: 5.379 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Instrument :
MSVOA_X
ClientSampleId :
FB

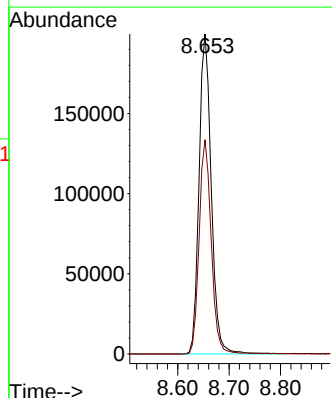
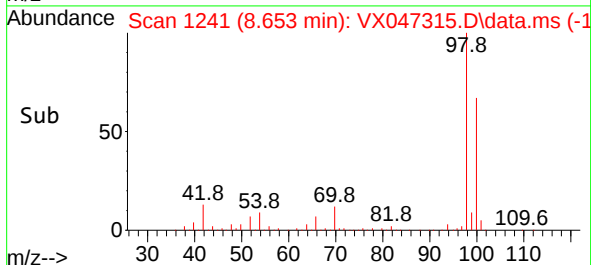
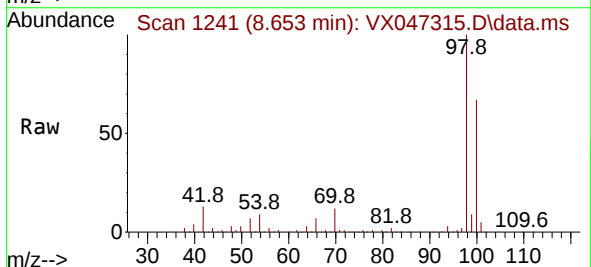


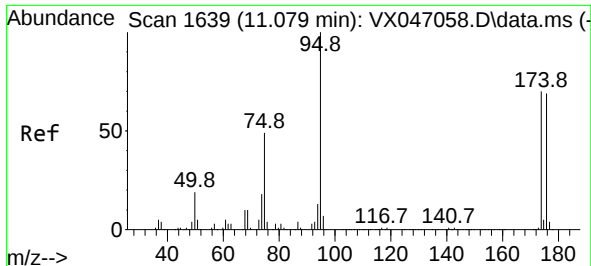
Tgt Ion:117 Resp: 21483
Ion Ratio Lower Upper
117 100
119 4.2 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 46.338 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 98 Resp: 329442
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9

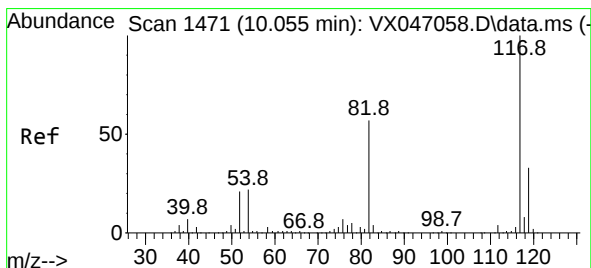
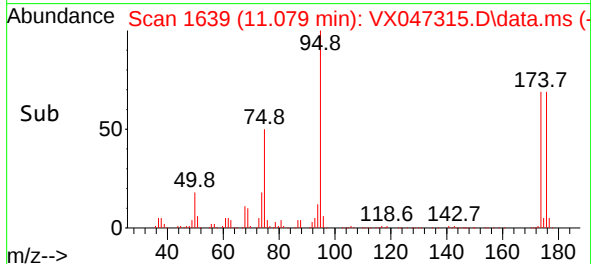
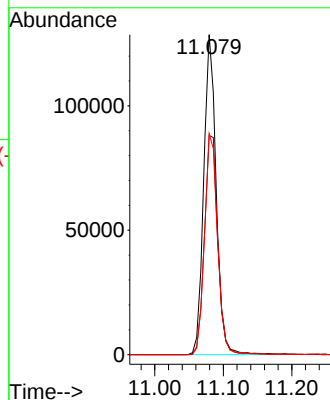
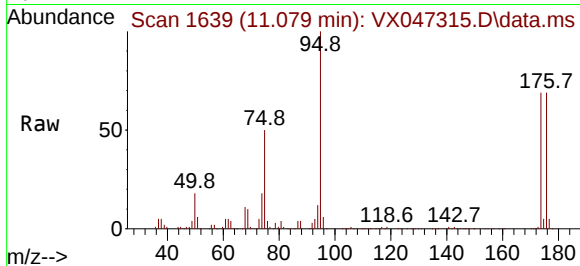




#62
4-Bromofluorobenzene
Concen: 53.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

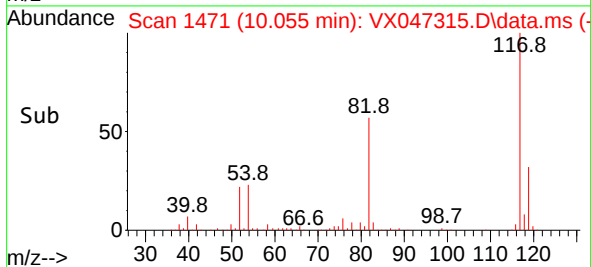
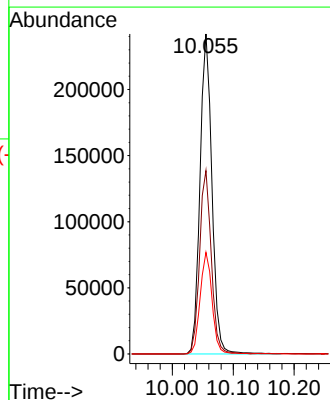
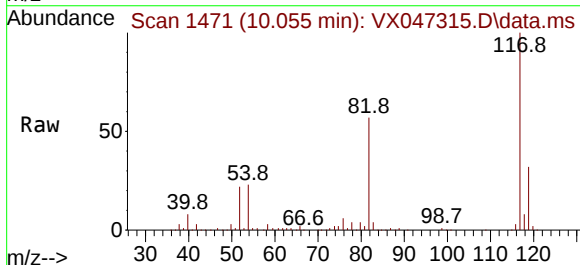
Instrument :
MSVOA_X
ClientSampleId :
FB

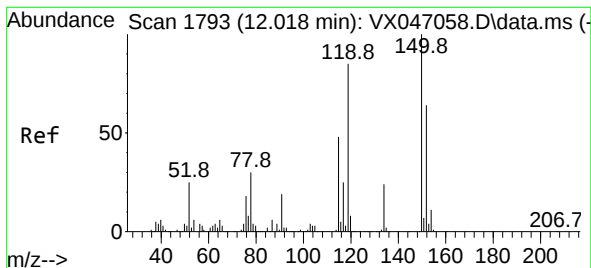
Tgt Ion: 95 Resp: 163126
Ion Ratio Lower Upper
95 100
174 73.8 0.0 144.6
176 72.0 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 117 Resp: 329474
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.2
119 31.8 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047315.D

Acq: 13 Aug 2025 12:35

Instrument :

MSVOA_X

ClientSampleId :

FB

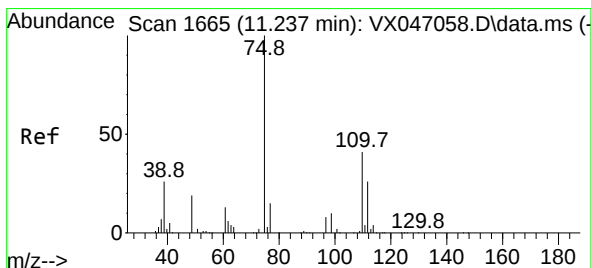
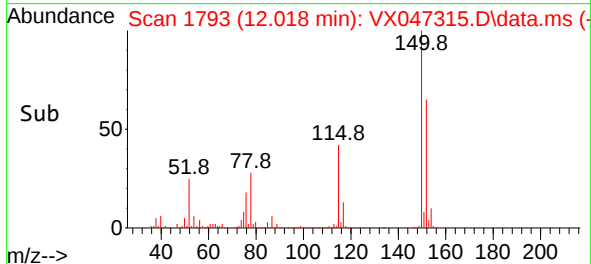
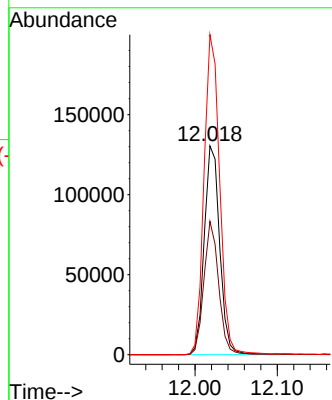
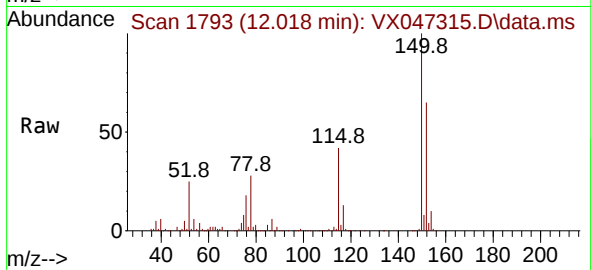
Tgt Ion:152 Resp: 170270

Ion Ratio Lower Upper

152 100

115 61.6 45.6 136.7

150 154.8 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 26.493 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047315.D

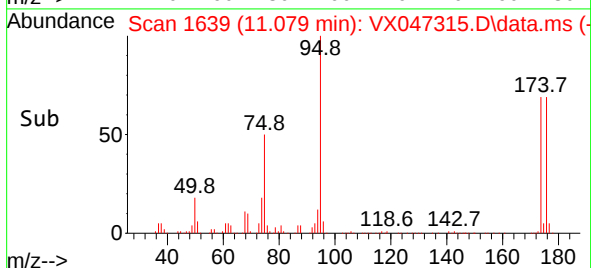
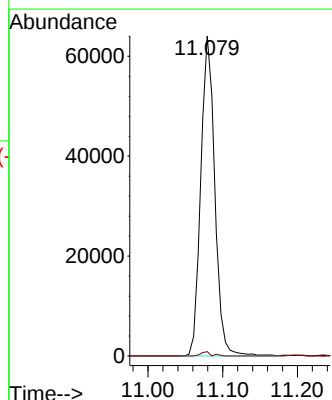
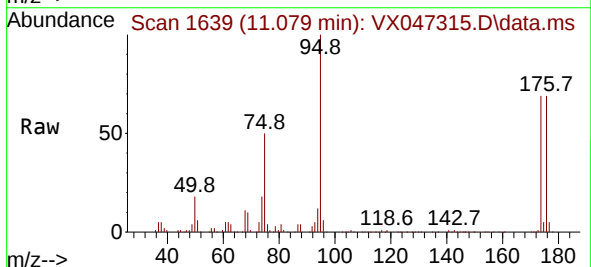
Acq: 13 Aug 2025 12:35

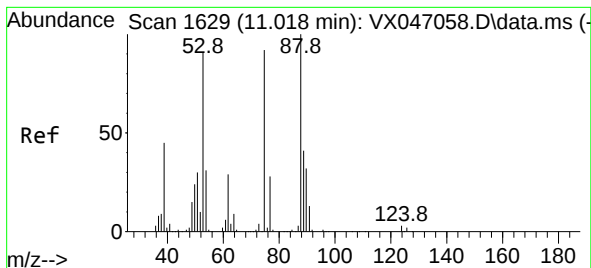
Tgt Ion: 75 Resp: 83495

Ion Ratio Lower Upper

75 100

77 1.0 21.6 65.0#

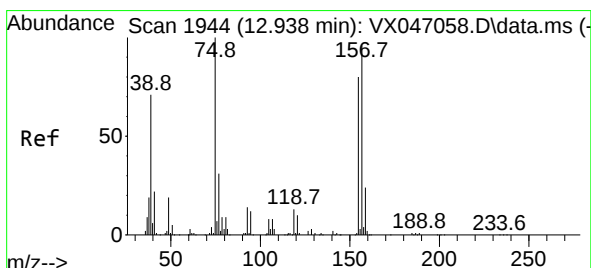
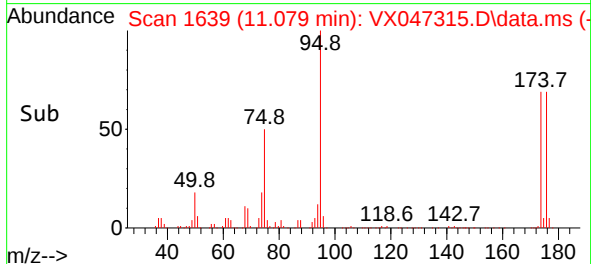
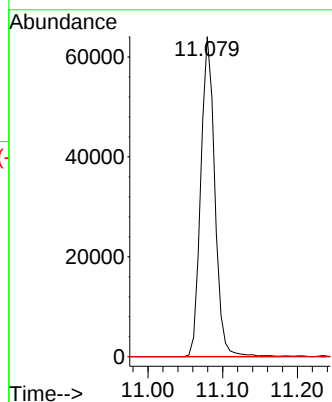
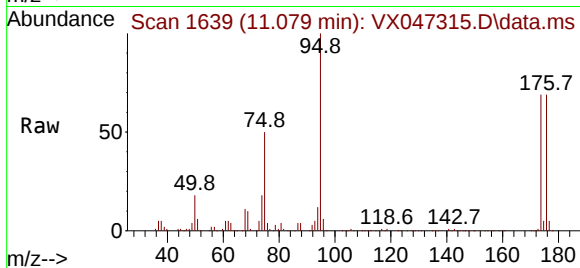




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.256 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047315.D
 Acq: 13 Aug 2025 12:35

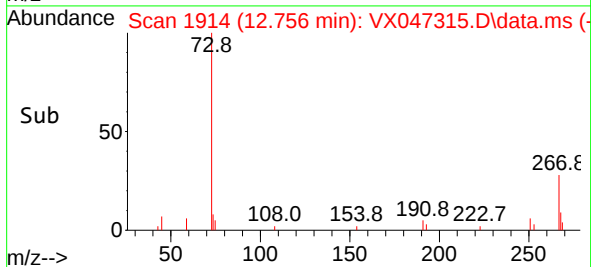
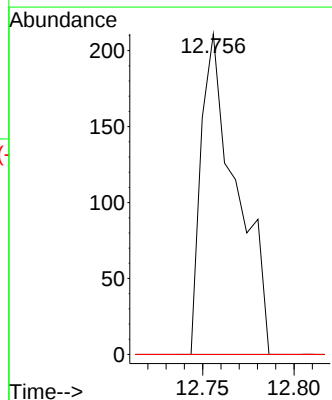
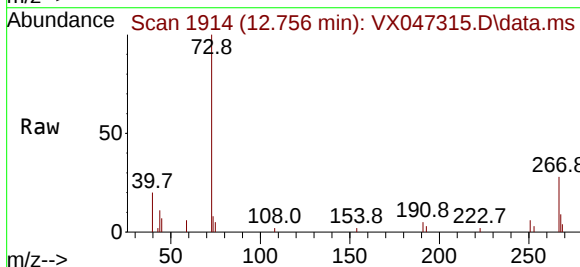
Instrument :
 MSVOA_X
 ClientSampleId :
 FB

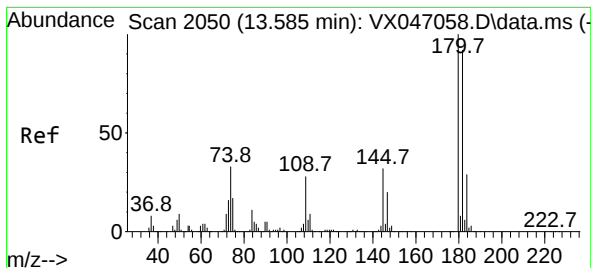
Tgt Ion: 75 Resp: 83495
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.386 ug/l
 RT: 12.756 min Scan# 1914
 Delta R.T. -0.183 min
 Lab File: VX047315.D
 Acq: 13 Aug 2025 12:35

Tgt Ion: 75 Resp: 284
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.3 124.1#
 157 0.0 52.8 158.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.200 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.013 min

Lab File: VX047315.D

Acq: 13 Aug 2025 12:35

Instrument :

MSVOA_X

ClientSampleId :

FB

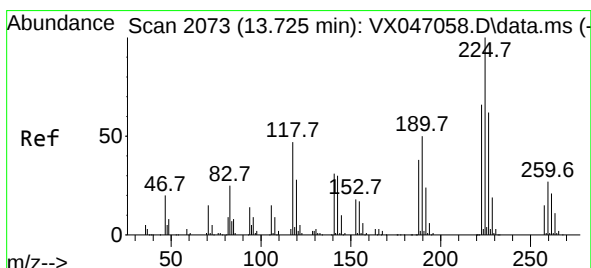
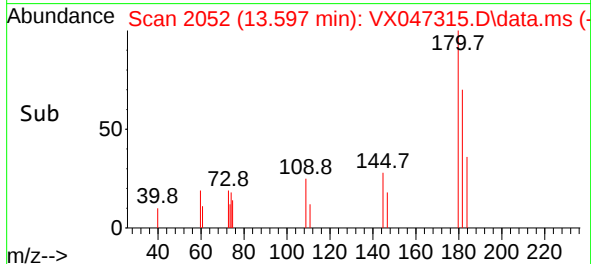
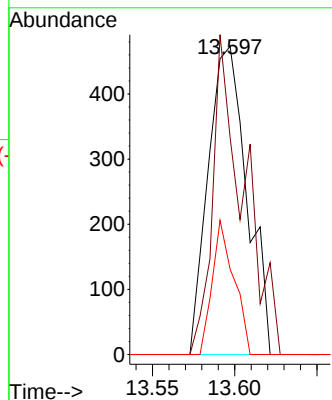
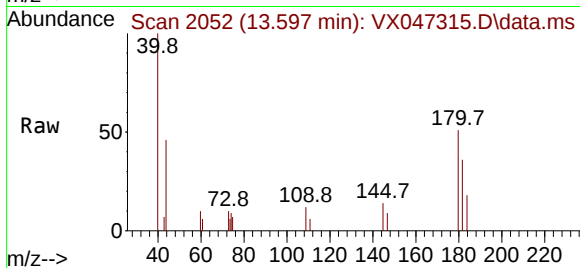
Tgt Ion:180 Resp: 775

Ion Ratio Lower Upper

180 100

182 84.0 47.3 141.8

145 24.4 16.4 49.1



#94

Hexachlorobutadiene

Concen: 0.701 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047315.D

Acq: 13 Aug 2025 12:35

Tgt Ion:225 Resp: 921

Ion Ratio Lower Upper

225 100

223 56.7 31.6 95.0

227 61.1 32.9 98.6

