

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047306.D
 Acq On : 12 Aug 2025 18:32
 Operator : JC/MD
 Sample : Q2814-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Aug 13 01:26:01 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)

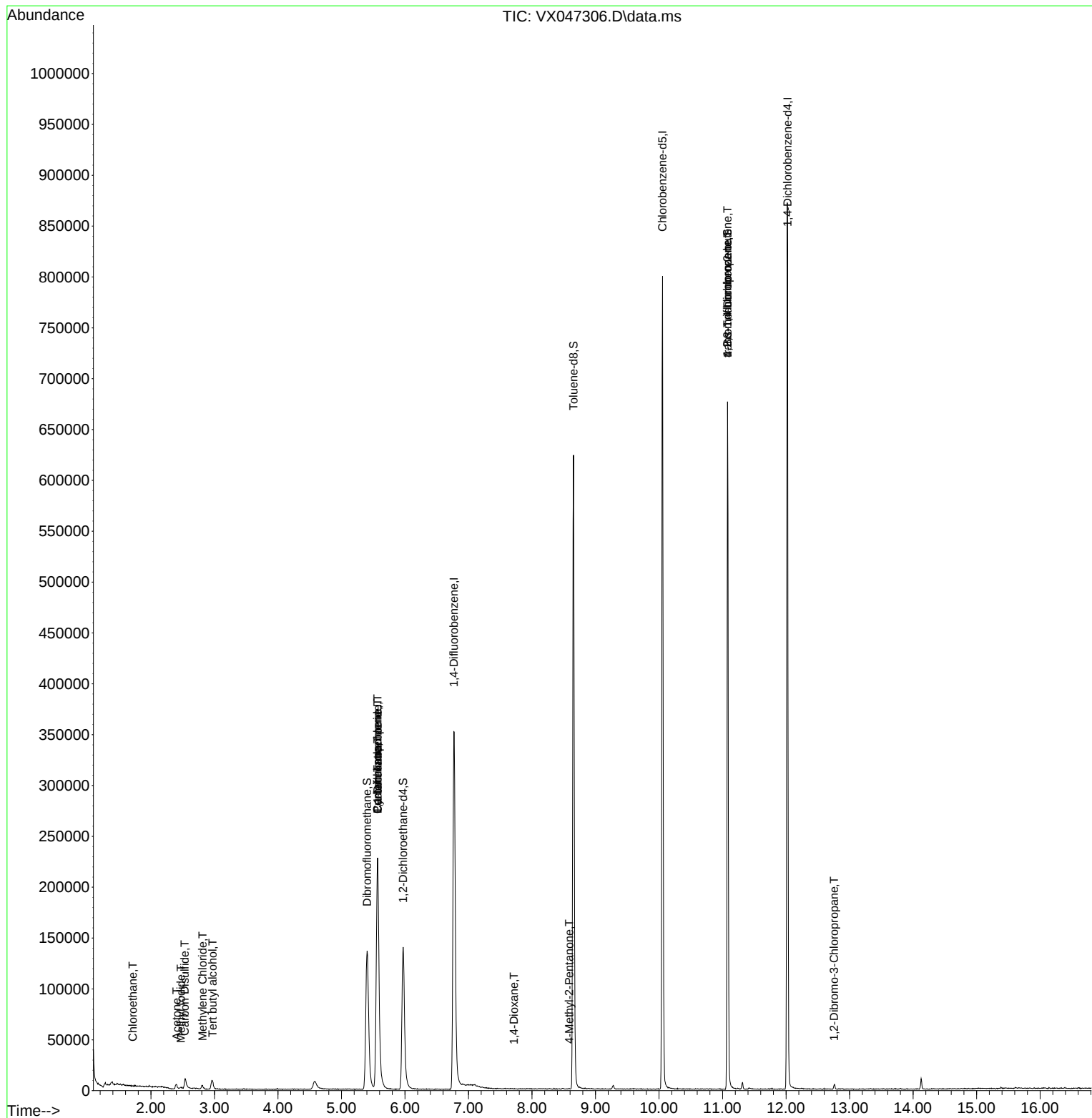
Internal Standards						
1) Pentafluorobenzene	5.568	168	225310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	387799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	153841	54.813	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.620%		
35) Dibromofluoromethane	5.404	113	133730	55.851	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 111.700%		
50) Toluene-d8	8.653	98	374692	48.321	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.640%		
62) 4-Bromofluorobenzene	11.079	95	182736	54.685	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.360%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.715	64	443	0.212	ug/l #	43
10) Methyl Iodide	2.471	142	1919	0.659	ug/l #	93
11) Tert butyl alcohol	2.971	59	5295	6.103	ug/l #	73
16) Acetone	2.404	43	7036	6.258	ug/l #	87
17) Carbon Disulfide	2.532	76	6768	0.826	ug/l	95
20) Methylene Chloride	2.813	84	1712	0.553	ug/l #	89
31) Cyclohexane	5.568	56	5330	1.016	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	19071	4.673	ug/l #	50
38) Carbon Tetrachloride	5.568	117	23506	5.396	ug/l #	16
49) 1,4-Dioxane	7.714	88	19	0.523	ug/l #	1
51) 4-Methyl-2-Pentanone	8.586	43	707	0.203	ug/l #	37
76) 1,2,3-Trichloropropane	11.079	75	93488	28.563	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	93488	73.591	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	161	0.210	ug/l #	2

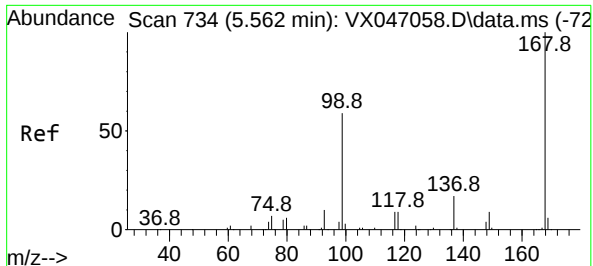
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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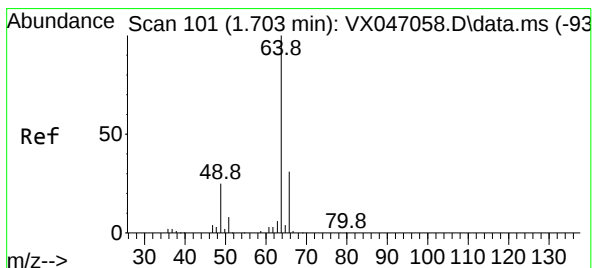
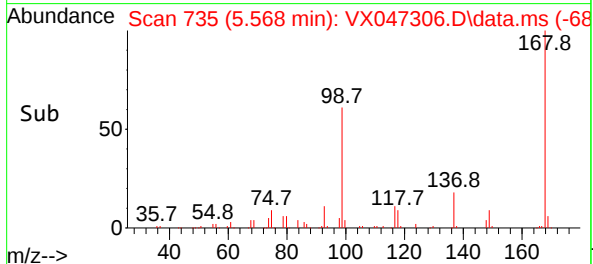
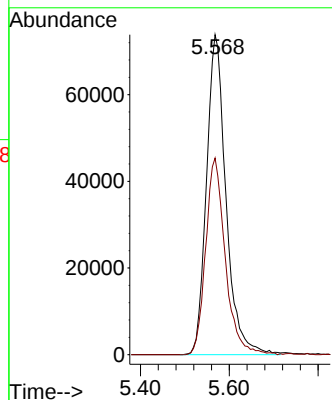
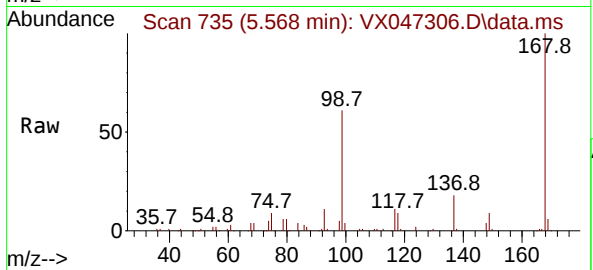




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

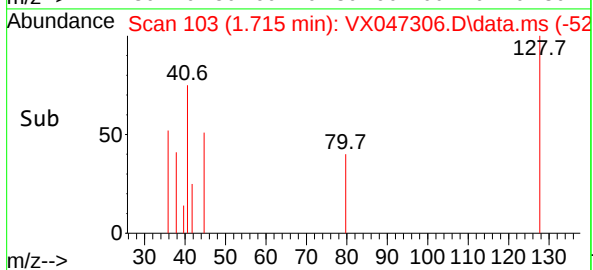
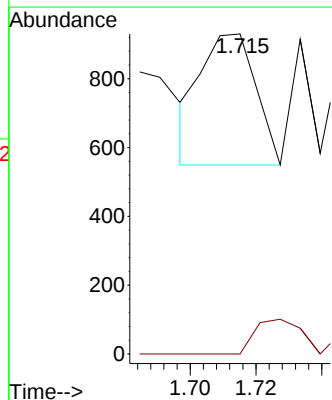
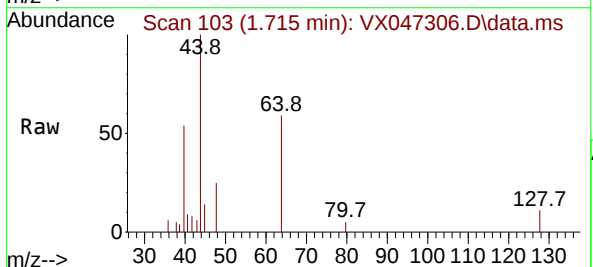
Instrument :
MSVOA_X
ClientSampleId :
FB

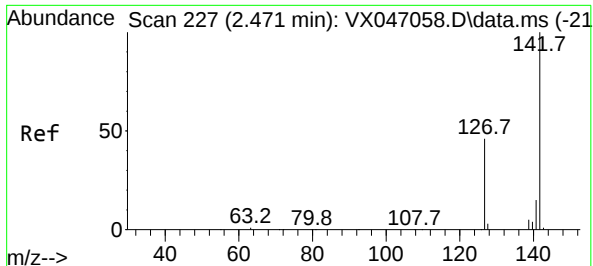
Tgt Ion:168 Resp: 225310
Ion Ratio Lower Upper
168 100
99 61.5 48.0 72.0



#6
Chloroethane
Concen: 0.212 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.013 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

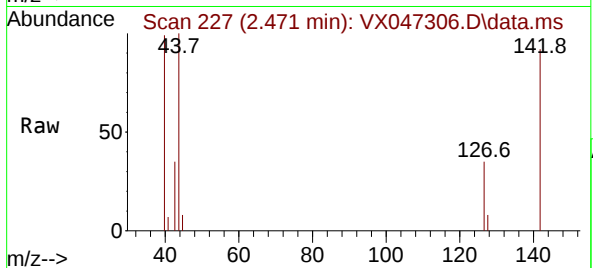
Tgt Ion: 64 Resp: 443
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



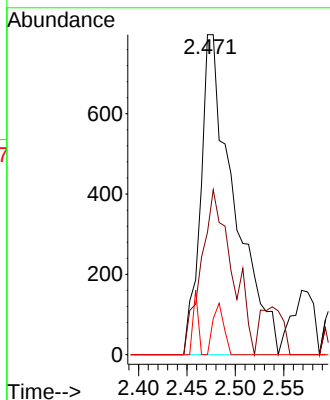
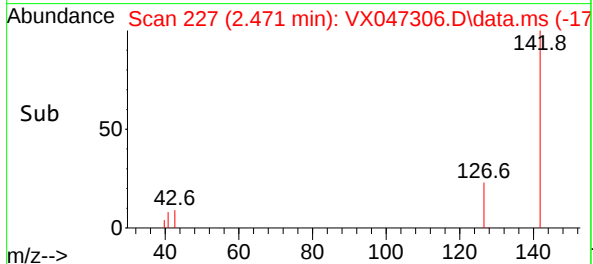


#10
Methyl Iodide
Concen: 0.659 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

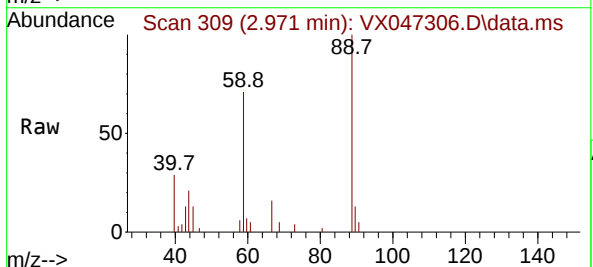
Instrument :
MSVOA_X
ClientSampleId :
FB



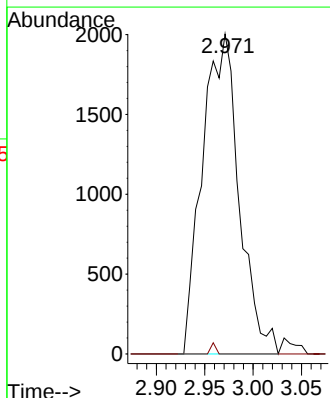
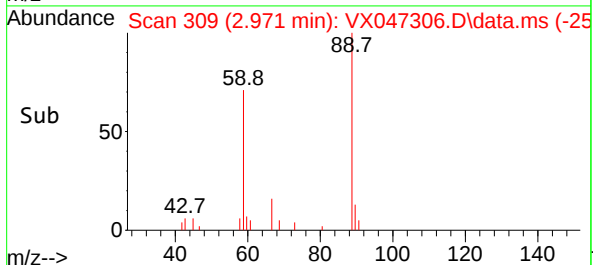
Tgt Ion:142 Resp: 1919
Ion Ratio Lower Upper
142 100
127 47.3 36.6 54.8
141 5.3 10.9 16.3#



#11
Tert butyl alcohol
Concen: 6.103 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32



Tgt Ion: 59 Resp: 5295
Ion Ratio Lower Upper
59 100
57 0.5 8.5 12.7#

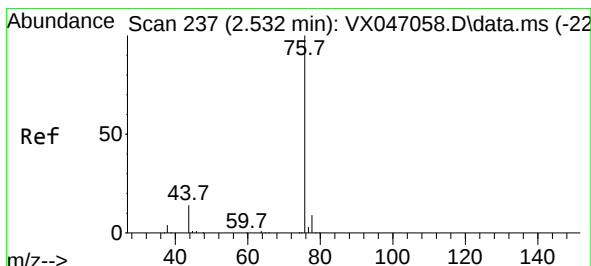
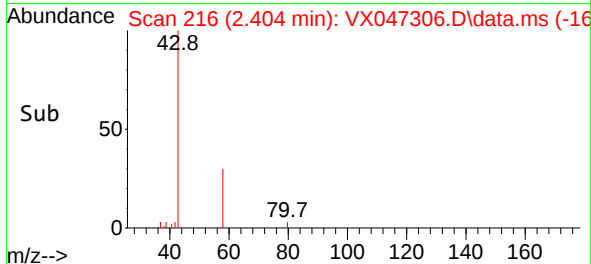
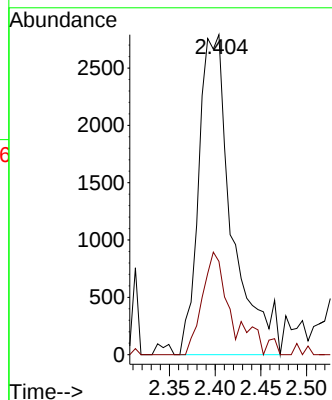
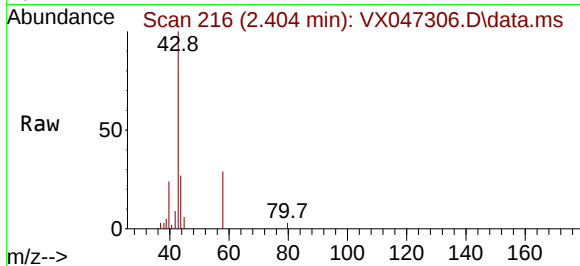




#16
Acetone
Concen: 6.258 ug/l
RT: 2.404 min Scan# 213
Delta R.T. 0.019 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

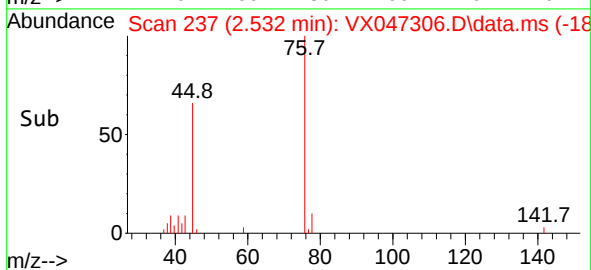
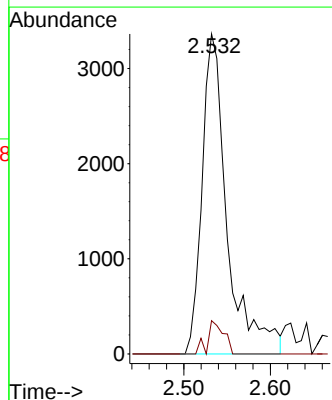
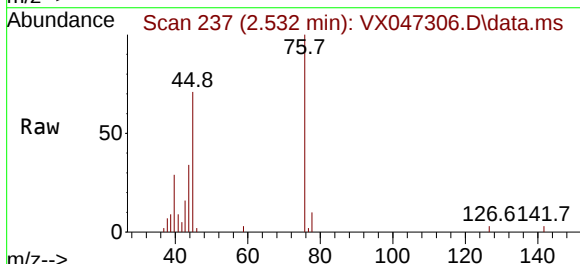
Instrument :
MSVOA_X
ClientSampleId :
FB

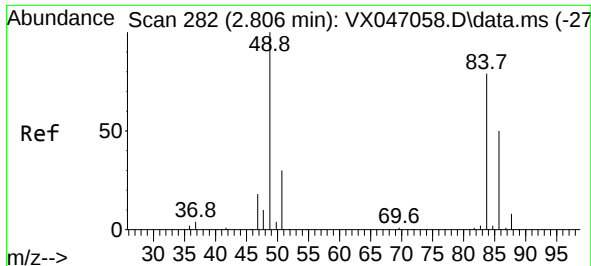
Tgt Ion: 43 Resp: 7036
Ion Ratio Lower Upper
43 100
58 22.9 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.826 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

Tgt Ion: 76 Resp: 6768
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.4

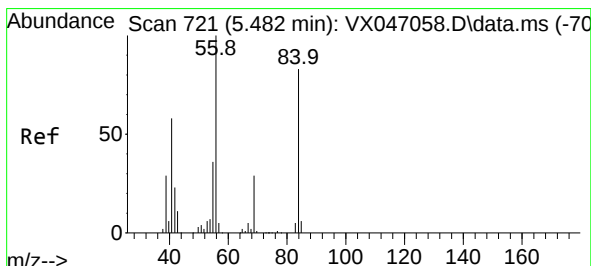
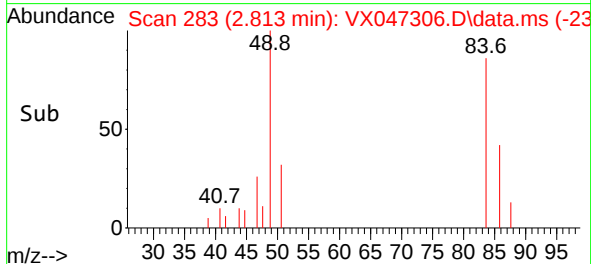
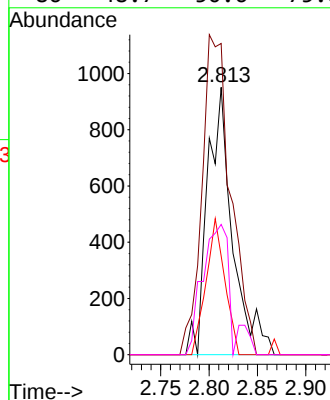
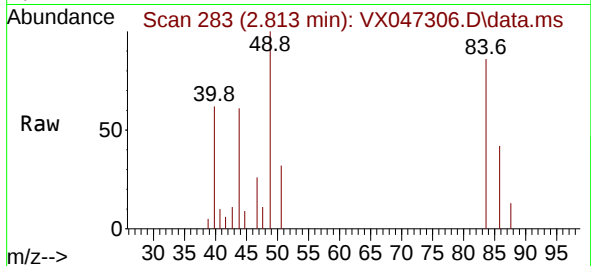




#20
Methylene Chloride
Concen: 0.553 ug/l
RT: 2.813 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

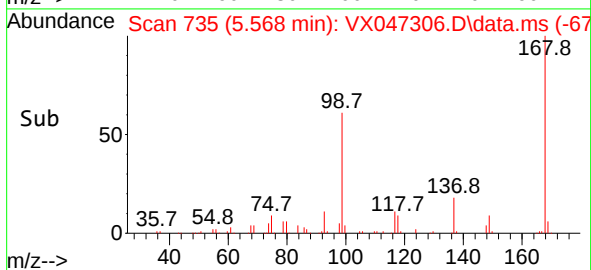
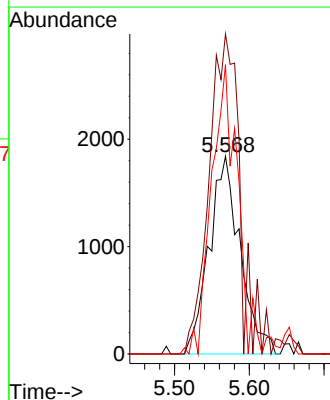
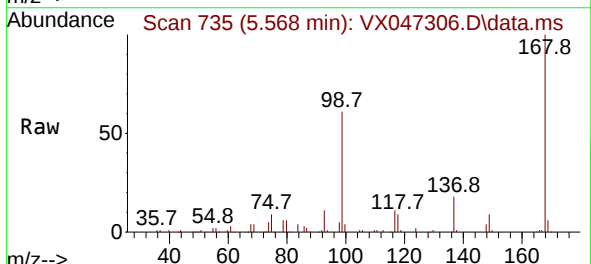
Instrument :
MSVOA_X
ClientSampleId :
FB

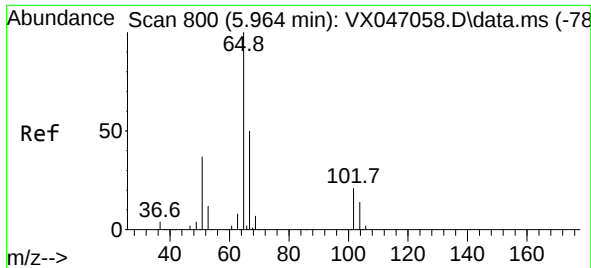
Tgt Ion:	84	Resp:	1712
Ion	Ratio	Lower	Upper
84	100		
49	116.4	101.6	152.4
51	36.9	30.3	45.5
86	48.7	50.6	75.8#



#31
Cyclohexane
Concen: 1.016 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.086 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

Tgt Ion:	56	Resp:	5330
Ion	Ratio	Lower	Upper
56	100		
69	162.0	23.3	34.9#
84	146.4	66.5	99.7#

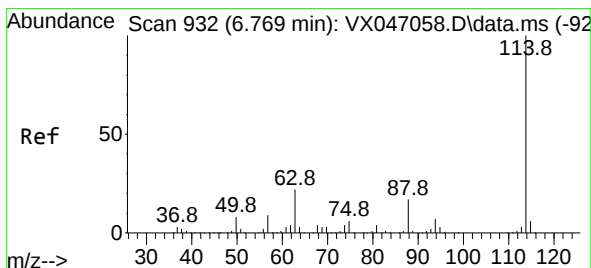
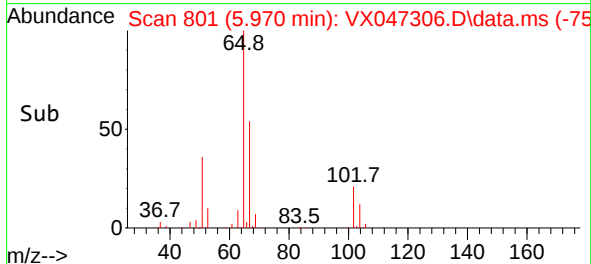
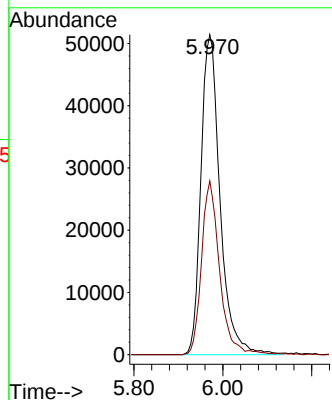
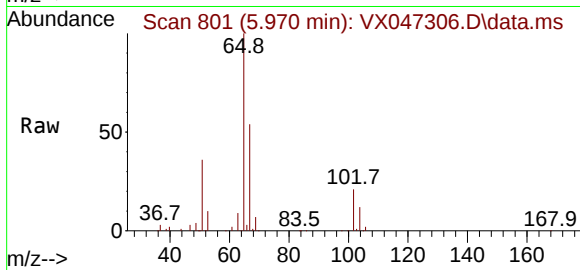




#33
 1,2-Dichloroethane-d4
 Concen: 54.813 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047306.D
 Acq: 12 Aug 2025 18:32

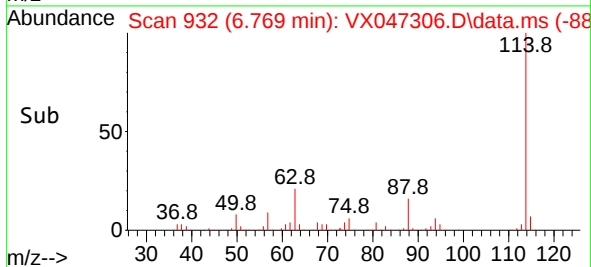
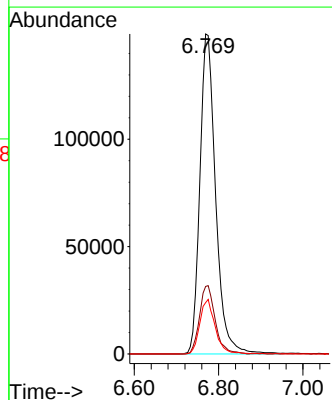
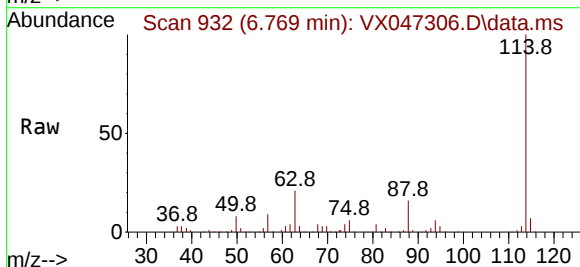
Instrument :
 MSVOA_X
 ClientSampleId :
 FB

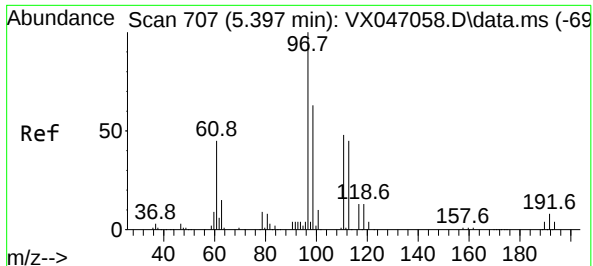
Tgt Ion: 65 Resp: 153841
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047306.D
 Acq: 12 Aug 2025 18:32

Tgt Ion: 114 Resp: 387799
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 16.1 0.0 33.8

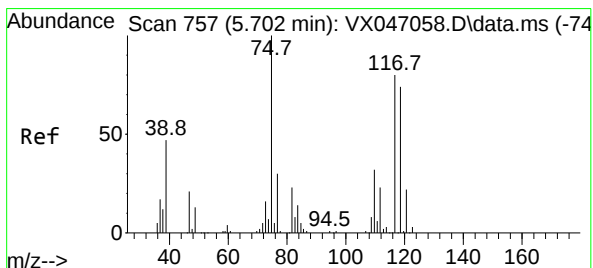
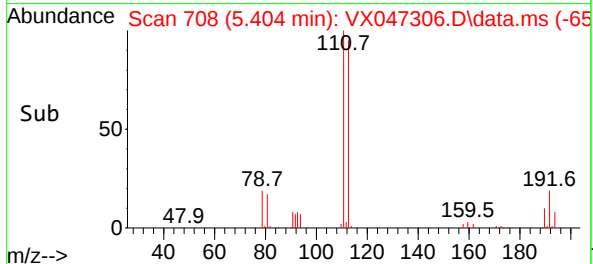
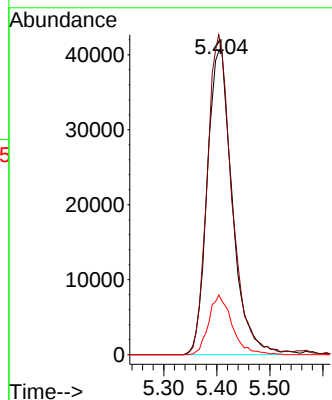
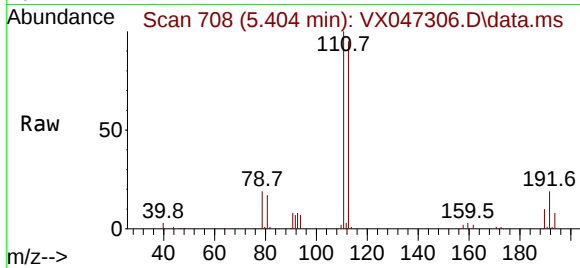




#35
Dibromofluoromethane
Concen: 55.851 ug/l
RT: 5.404 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

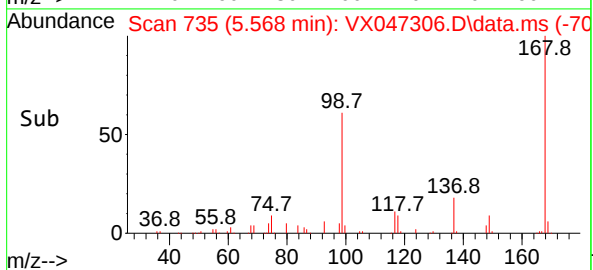
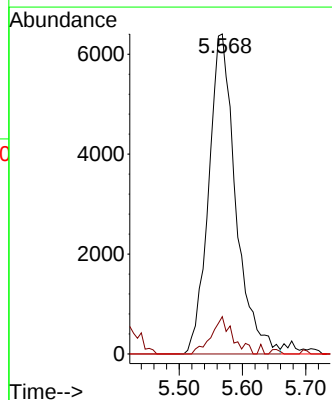
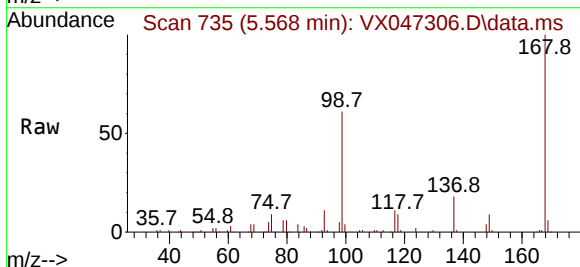
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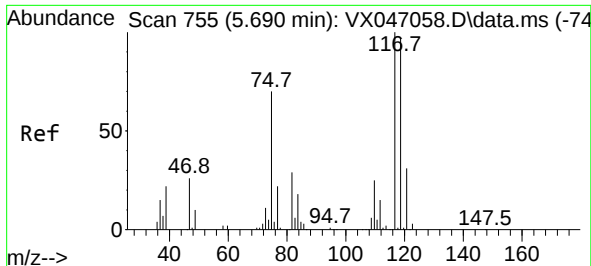
Tgt Ion:113 Resp: 133730
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 18.3 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.673 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

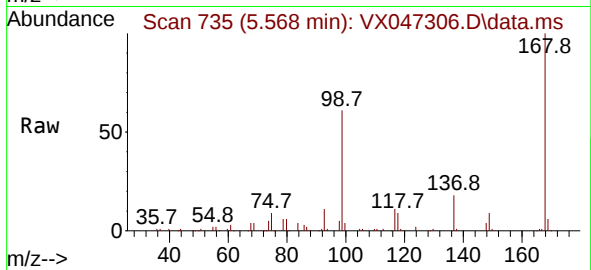
Tgt Ion: 75 Resp: 19071
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.5#
77 0.0 25.1 37.7#



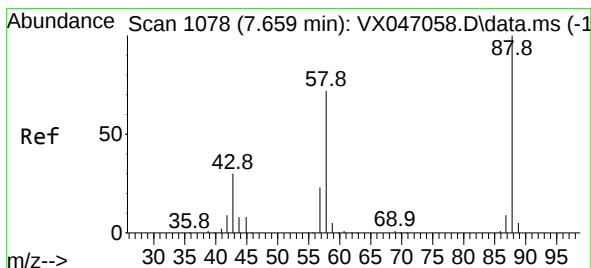
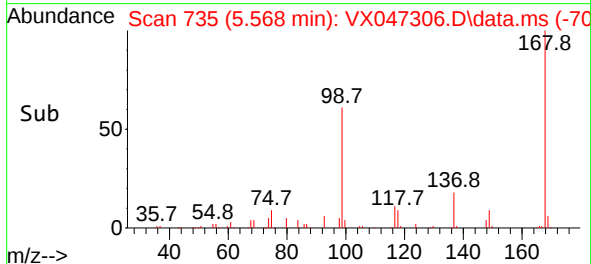
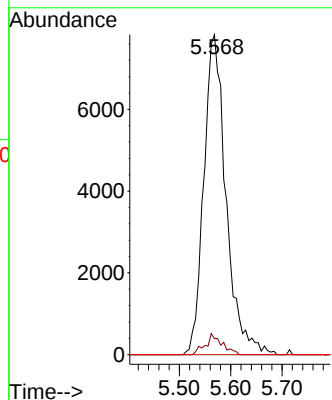


#38
Carbon Tetrachloride
Concen: 5.396 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

Instrument :
MSVOA_X
ClientSampleId :
FB

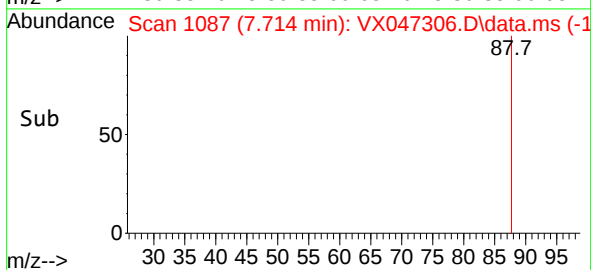
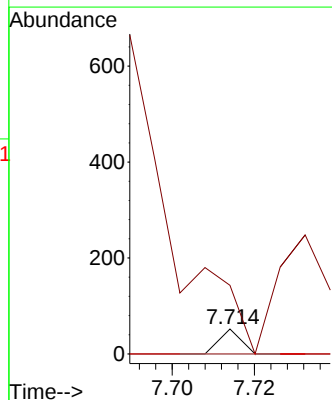
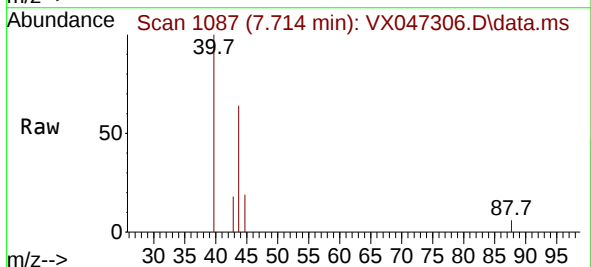


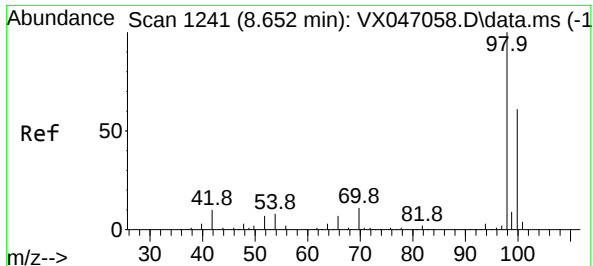
Tgt Ion:117 Resp: 23506
Ion Ratio Lower Upper
117 100
119 5.1 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.523 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.055 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1594.7 33.6 50.4#
58 0.0 58.8 88.2#





#50

Toluene-d8

Concen: 48.321 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047306.D

Acq: 12 Aug 2025 18:32

Instrument :

MSVOA_X

ClientSampleId :

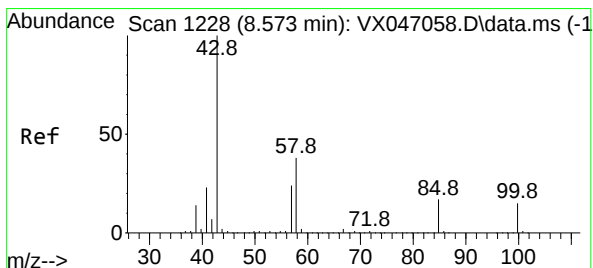
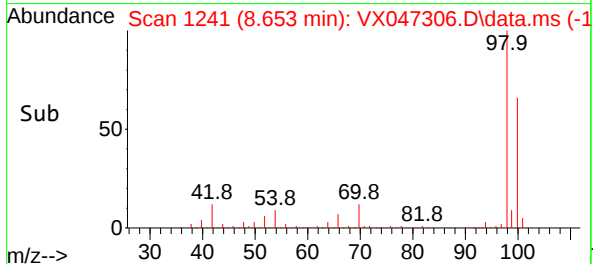
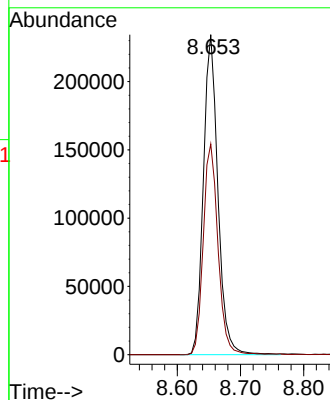
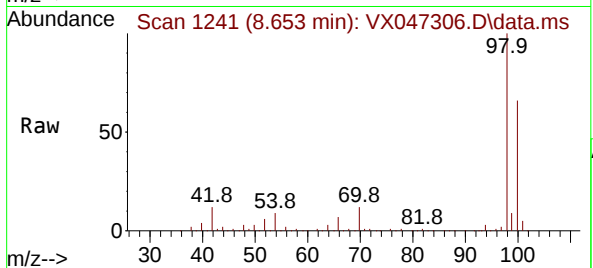
FB

Tgt Ion: 98 Resp: 374692

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9



#51

4-Methyl-2-Pentanone

Concen: 0.203 ug/l

RT: 8.586 min Scan# 1230

Delta R.T. 0.013 min

Lab File: VX047306.D

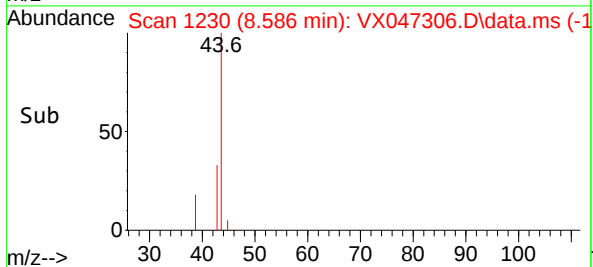
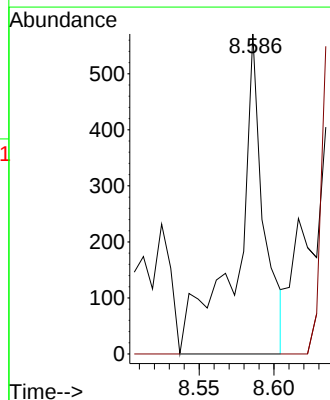
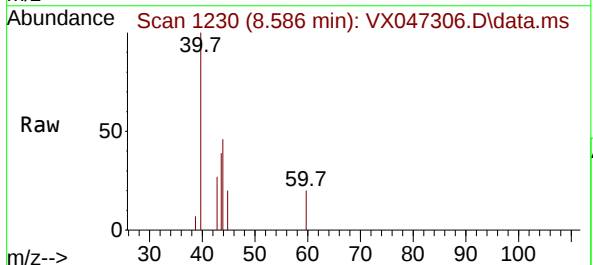
Acq: 12 Aug 2025 18:32

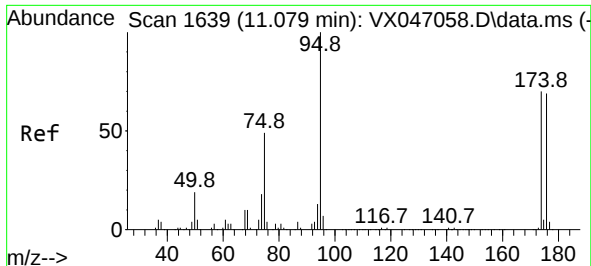
Tgt Ion: 43 Resp: 707

Ion Ratio Lower Upper

43 100

58 0.0 30.6 45.8#

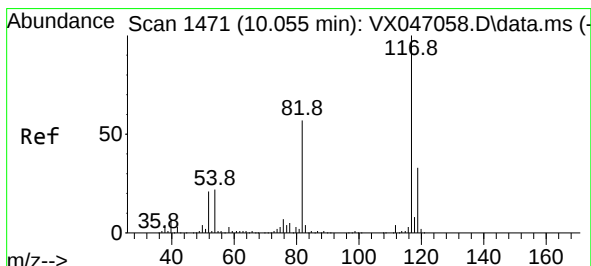
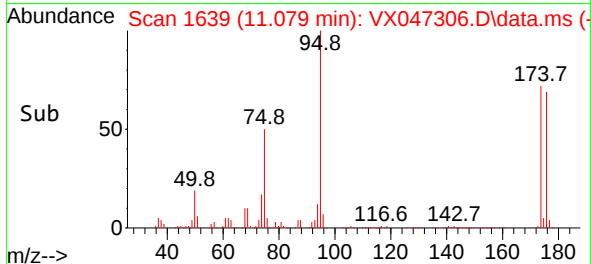
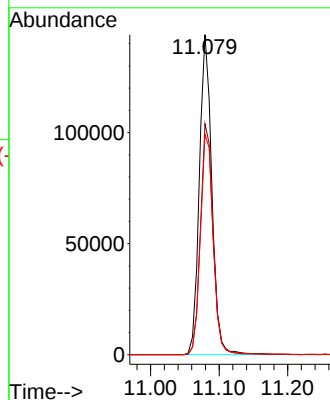
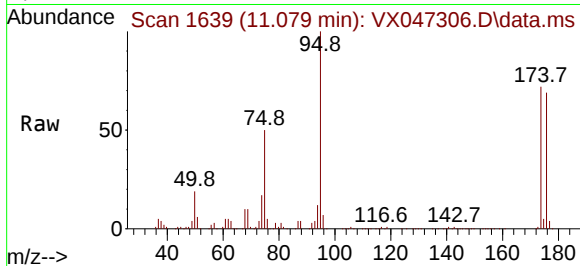




#62
4-Bromofluorobenzene
Concen: 54.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

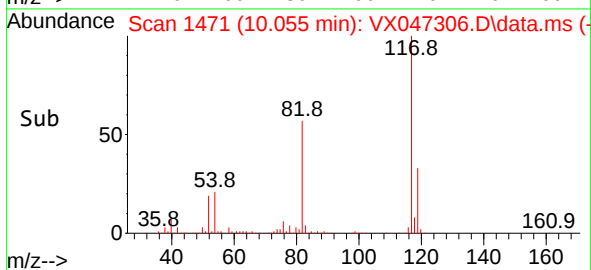
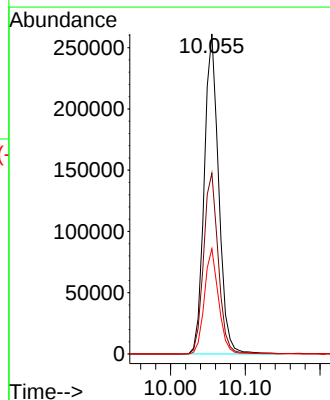
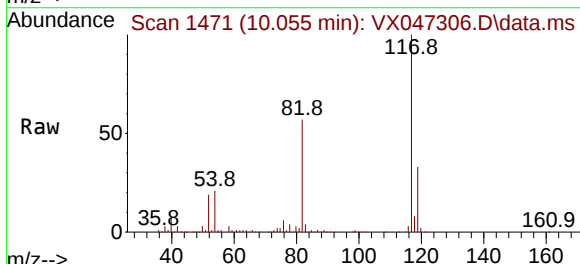
Instrument :
MSVOA_X
ClientSampleId :
FB

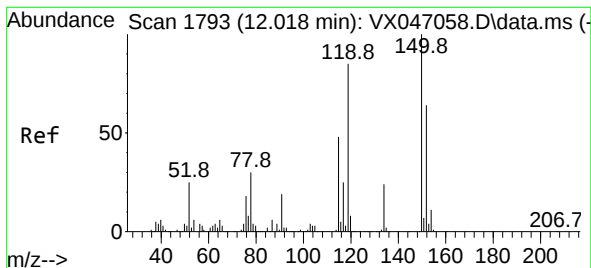
Tgt Ion: 95 Resp: 182736
Ion Ratio Lower Upper
95 100
174 72.7 0.0 144.6
176 70.8 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047306.D
Acq: 12 Aug 2025 18:32

Tgt Ion: 117 Resp: 350959
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 32.9 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX047306.D

Acq: 12 Aug 2025 18:32

Instrument :

MSVOA_X

ClientSampleId :

FB

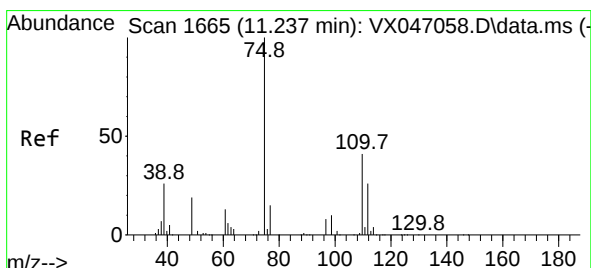
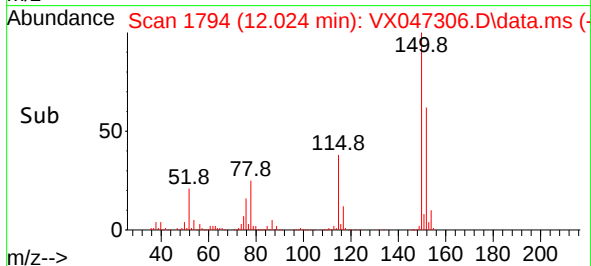
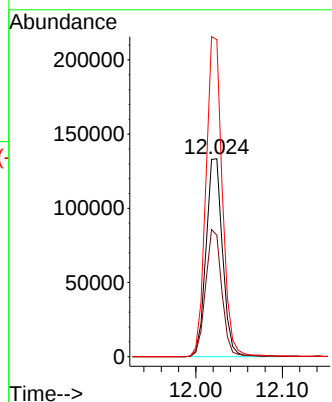
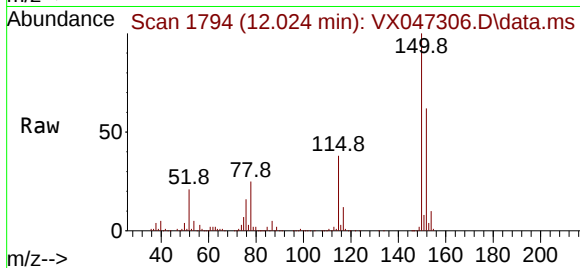
Tgt Ion:152 Resp: 176828

Ion Ratio Lower Upper

152 100

115 63.2 45.6 136.7

150 160.1 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 28.563 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047306.D

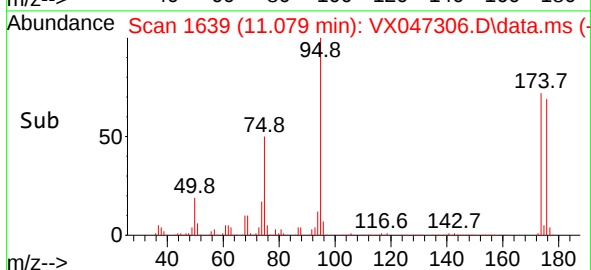
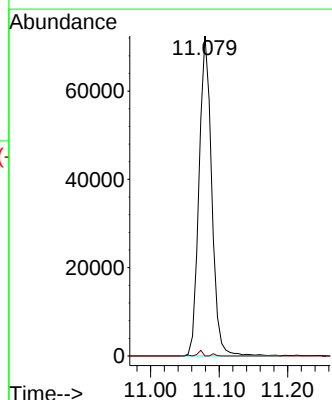
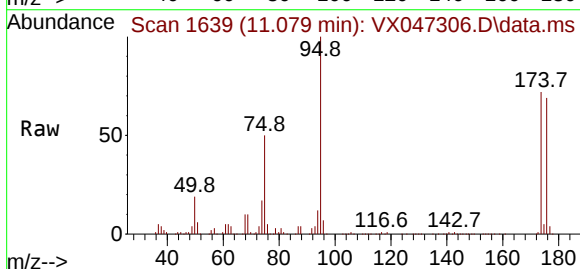
Acq: 12 Aug 2025 18:32

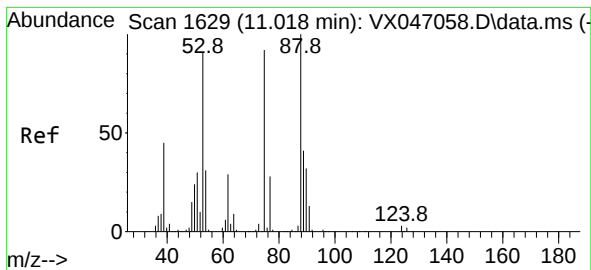
Tgt Ion: 75 Resp: 93488

Ion Ratio Lower Upper

75 100

77 0.7 21.6 65.0#

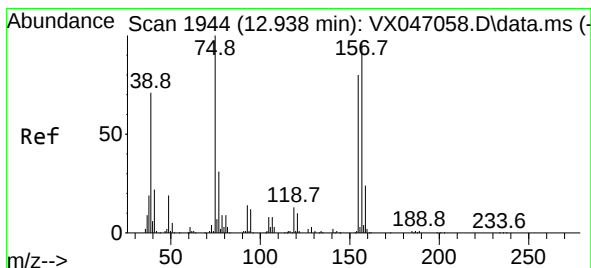
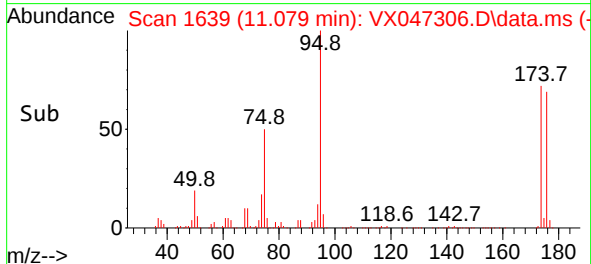
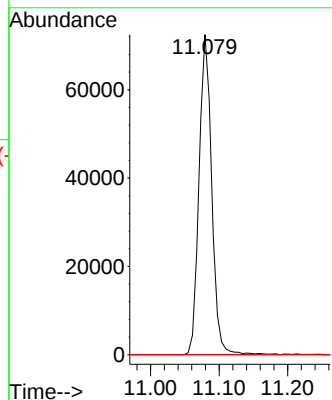
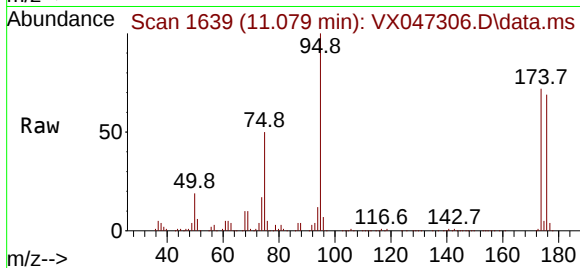




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.591 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047306.D
 Acq: 12 Aug 2025 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Tgt Ion: 75 Resp: 93488
 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: 0.210 ug/l
 RT: 12.756 min Scan# 1914
 Delta R.T. -0.182 min
 Lab File: VX047306.D
 Acq: 12 Aug 2025 18:32

Tgt Ion: 75 Resp: 161
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.3 124.1#
 157 0.0 52.8 158.3#

