

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046186.D
 Acq On : 14 May 2025 12:00
 Operator : JC/MD
 Sample : Q2032-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-05132025

Quant Time: May 15 01:19:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

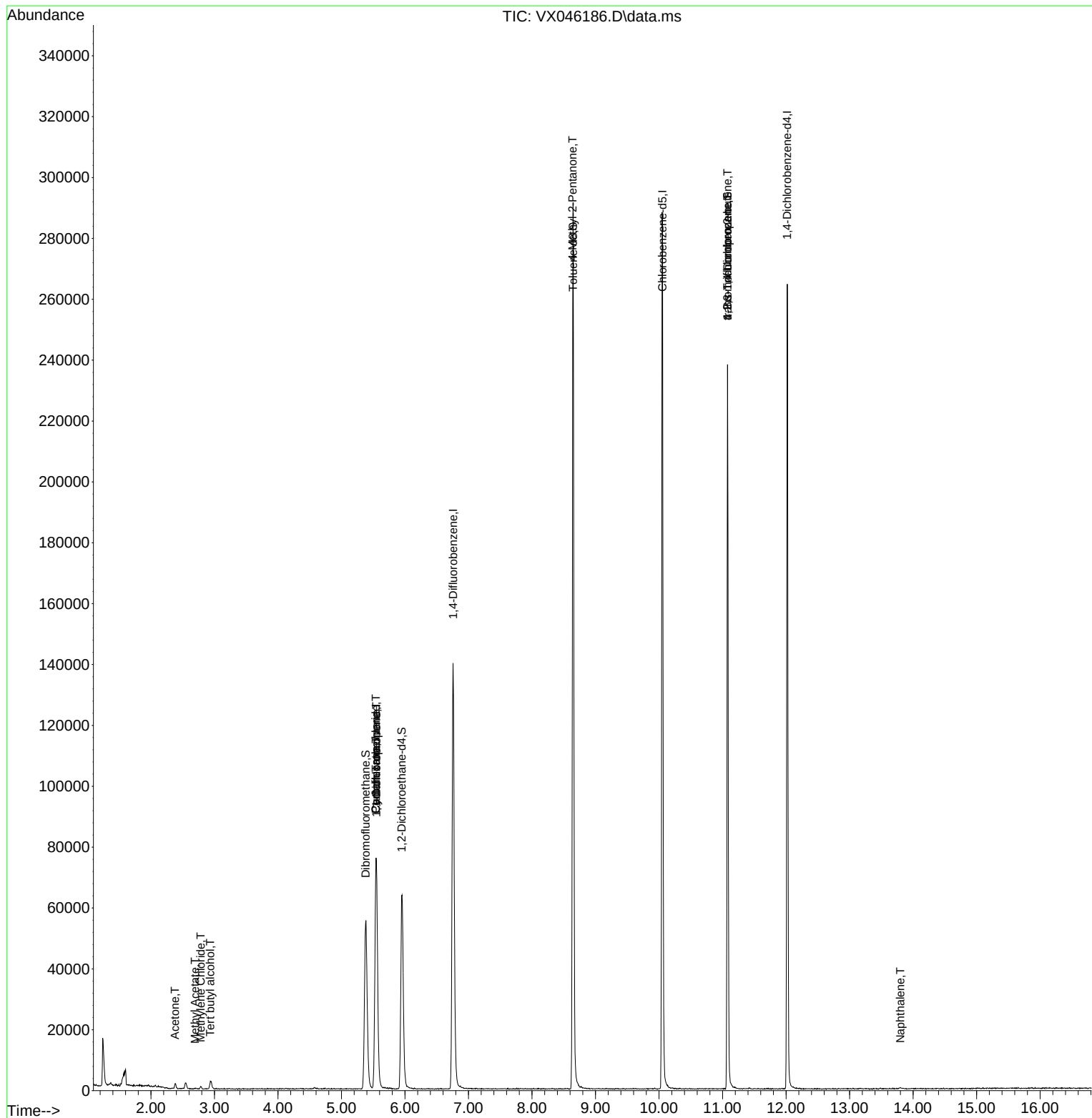
Internal Standards						
1) Pentafluorobenzene	5.544	168	65812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131639	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68115	55.516	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.040%
35) Dibromofluoromethane	5.379	113	49114	51.811	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.620%
50) Toluene-d8	8.647	98	164217	50.052	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.100%
62) 4-Bromofluorobenzene	11.079	95	62184	49.410	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	1595	9.261	ug/l #	72
16) Acetone	2.379	43	1702	3.460	ug/l	98
18) Methyl Acetate	2.690	43	302	0.265	ug/l #	55
20) Methylene Chloride	2.782	84	295	0.313	ug/l #	80
31) Cyclohexane	5.544	56	1932	1.321	ug/l #	50
36) 1,1-Dichloropropene	5.550	75	6708	5.267	ug/l #	53
38) Carbon Tetrachloride	5.544	117	7913	5.529	ug/l #	18
51) 4-Methyl-2-Pentanone	8.641	43	932	0.585	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35094	29.342	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35094	95.528	ug/l #	1
95) Naphthalene	13.798	128	763	0.220	ug/l #	69

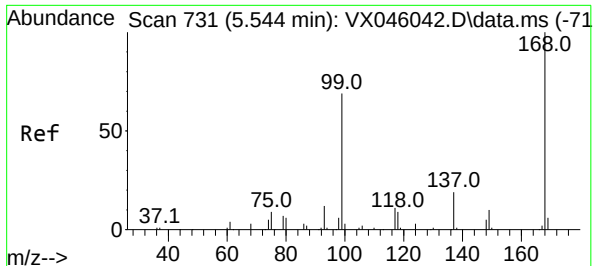
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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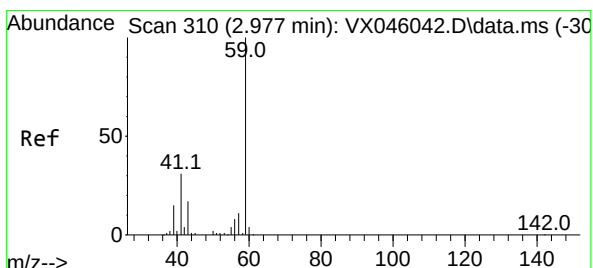
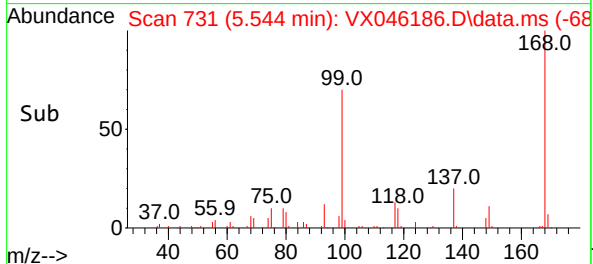
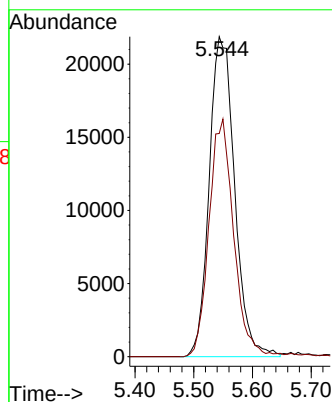
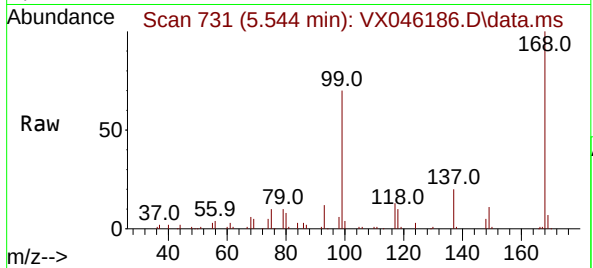




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

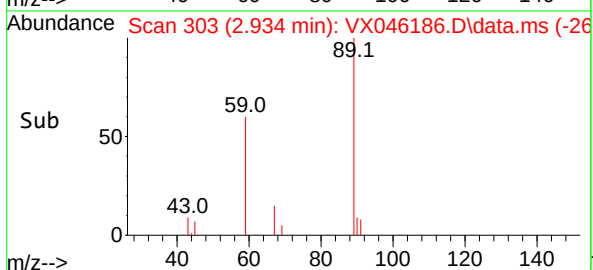
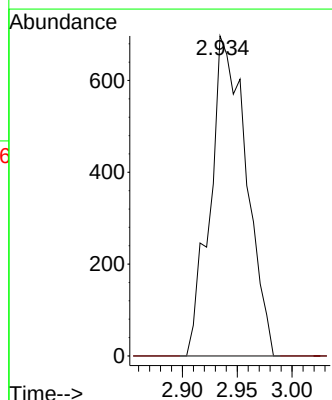
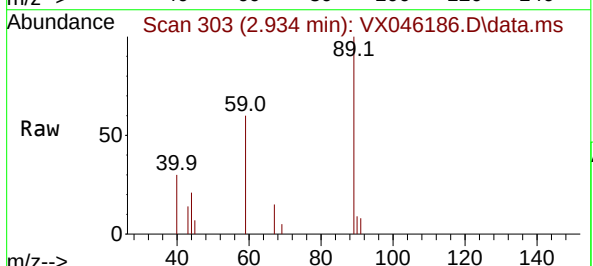
Instrument :
MSVOA_X
ClientSampleId :
FB-05132025

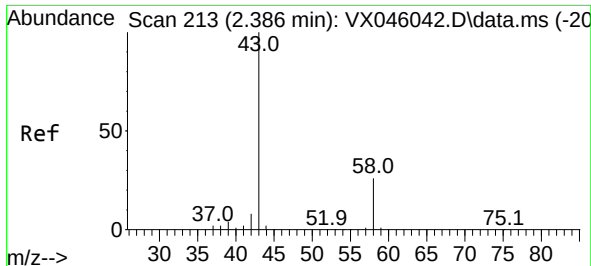
Tgt Ion:168 Resp: 65812
Ion Ratio Lower Upper
168 100
99 69.8 54.9 82.3



#11
Tert butyl alcohol
Concen: 9.261 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Tgt Ion: 59 Resp: 1595
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

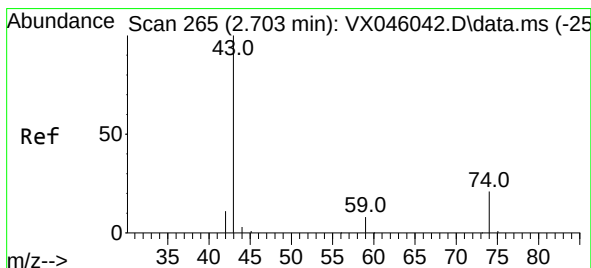
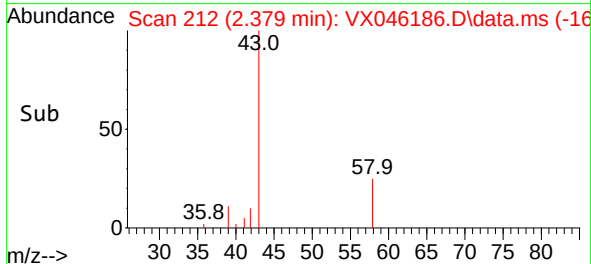
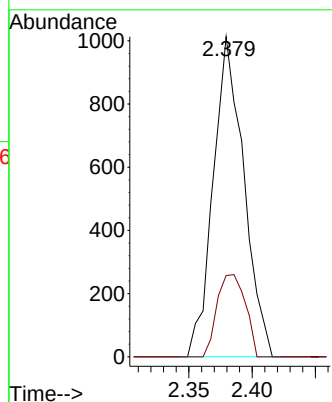
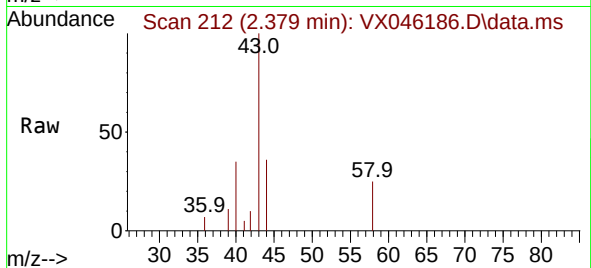




#16
Acetone
Concen: 3.460 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

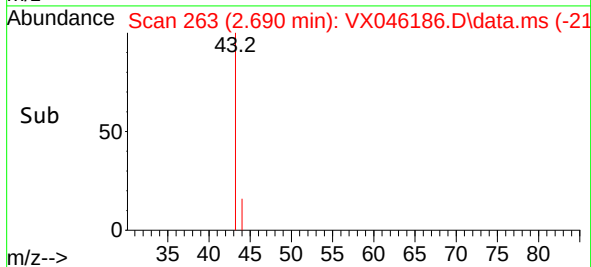
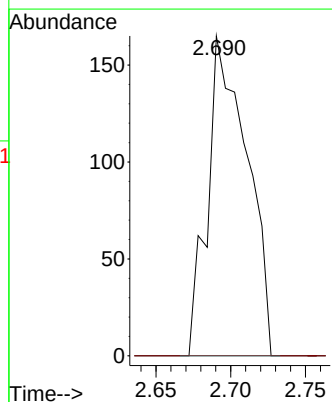
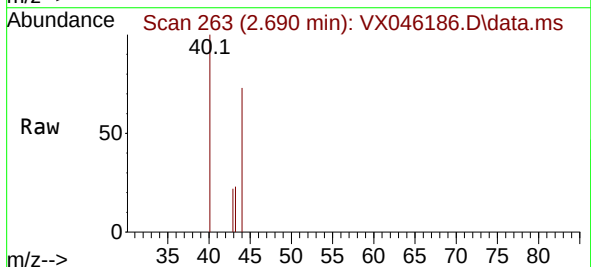
Instrument :
MSVOA_X
ClientSampleId :
FB-05132025

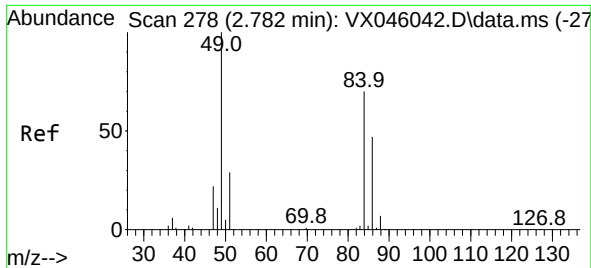
Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 25.4 21.2 31.8



#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 2.690 min Scan# 263
Delta R.T. -0.012 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Tgt Ion: 43 Resp: 302
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

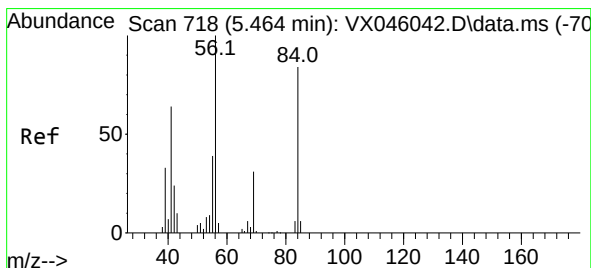
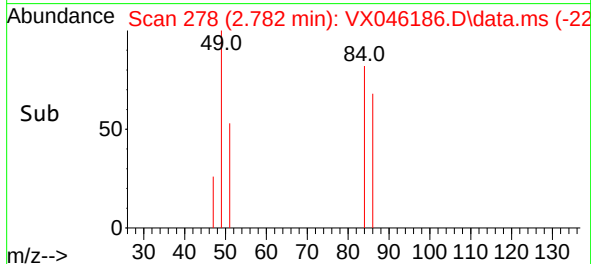
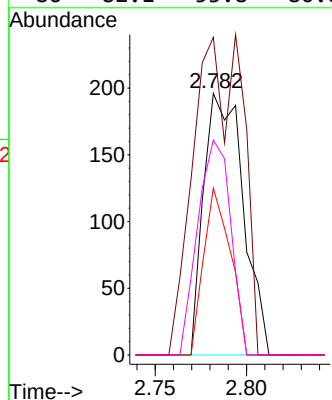
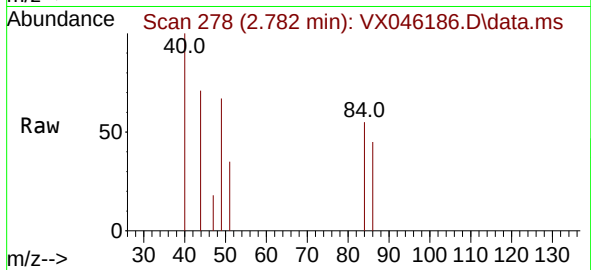




#20
Methylene Chloride
Concen: 0.313 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

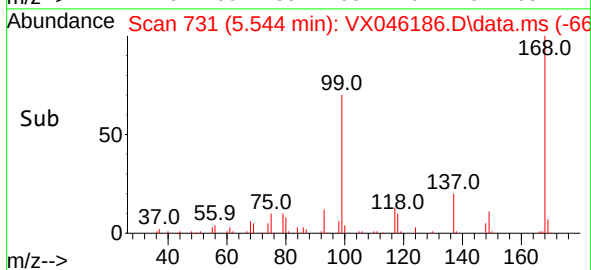
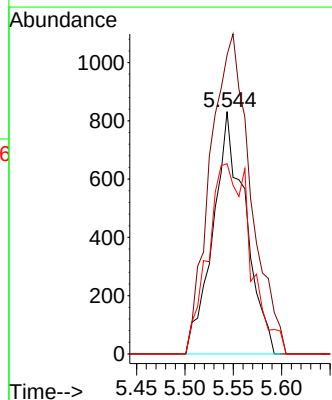
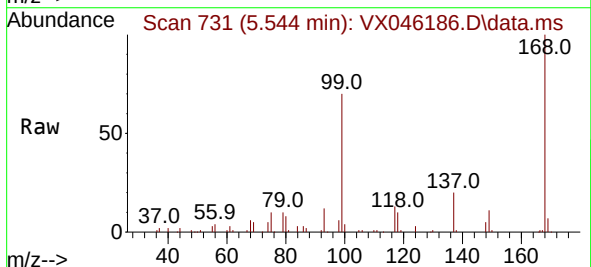
Instrument :
MSVOA_X
ClientSampleId :
FB-05132025

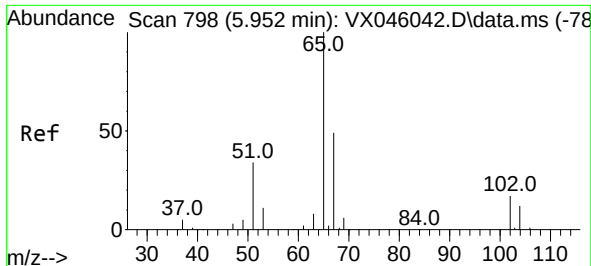
Tgt Ion:	84	Resp:	295
Ion	Ratio	Lower	Upper
84	100		
49	121.4	113.9	170.9
51	63.8	33.5	50.3#
86	82.1	53.8	80.8#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Tgt Ion:	56	Resp:	1932
Ion	Ratio	Lower	Upper
56	100		
69	123.3	24.4	36.6#
84	78.5	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 55.516 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046186.D

Acq: 14 May 2025 12:00

Instrument :

MSVOA_X

ClientSampleId :

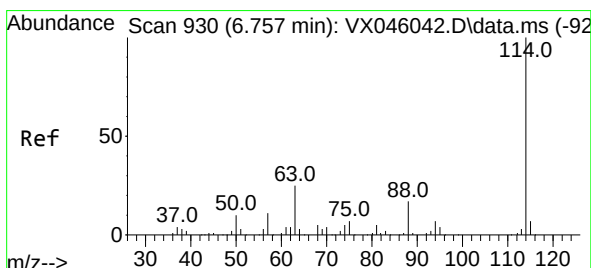
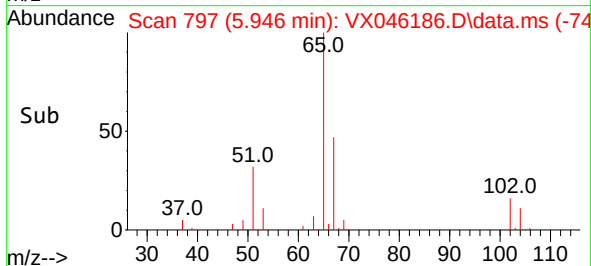
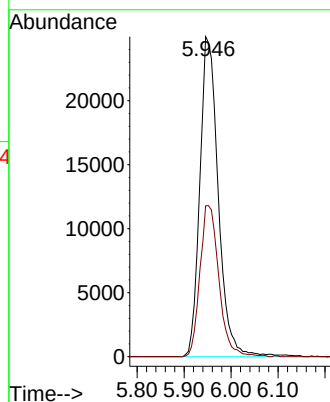
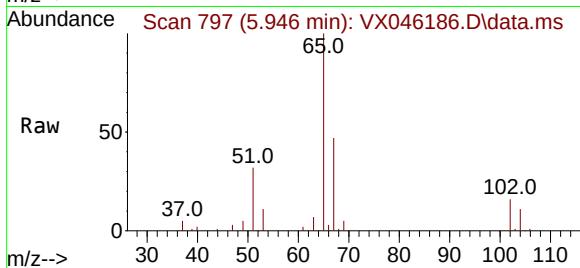
FB-05132025

Tgt Ion: 65 Resp: 68115

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046186.D

Acq: 14 May 2025 12:00

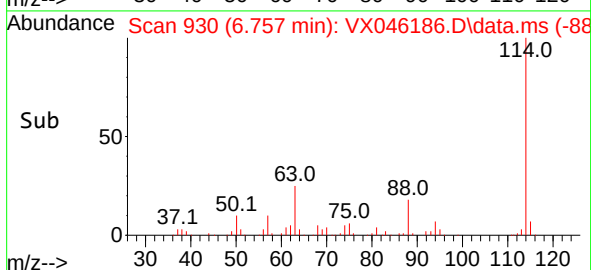
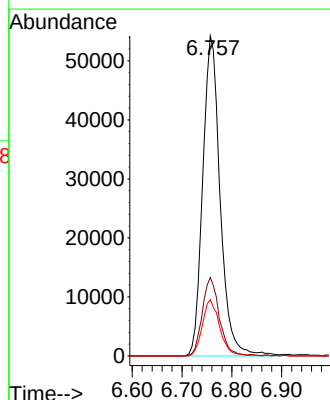
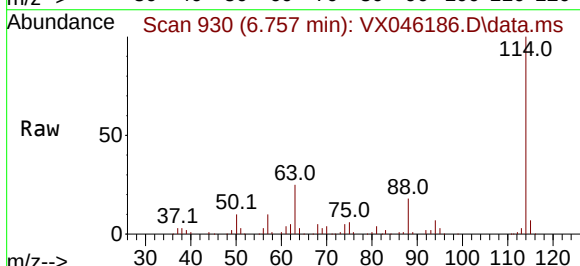
Tgt Ion: 114 Resp: 131639

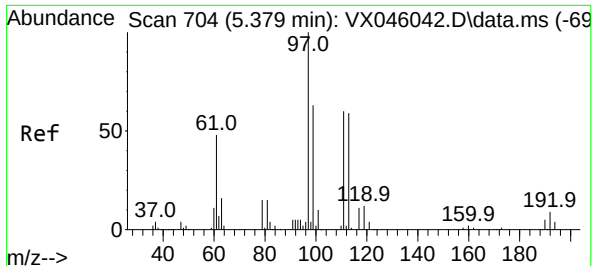
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 17.6 0.0 33.6

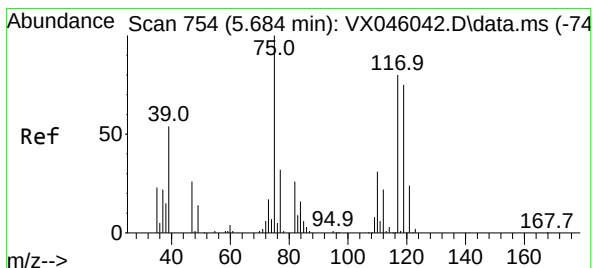
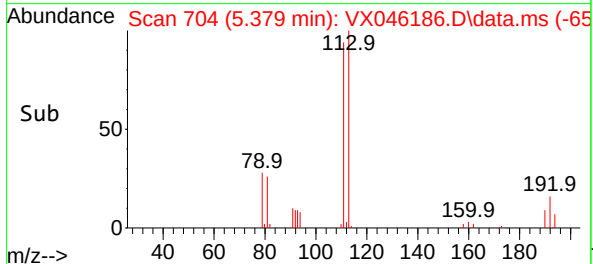
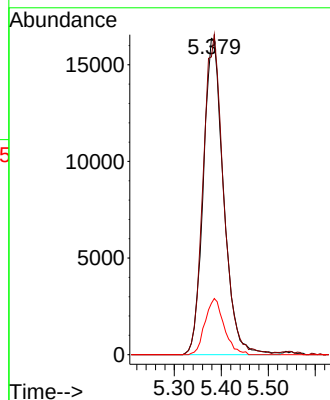
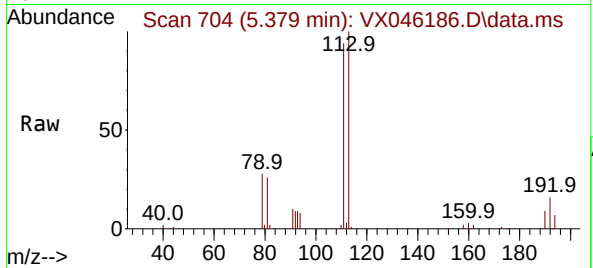




#35
Dibromofluoromethane
Concen: 51.811 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

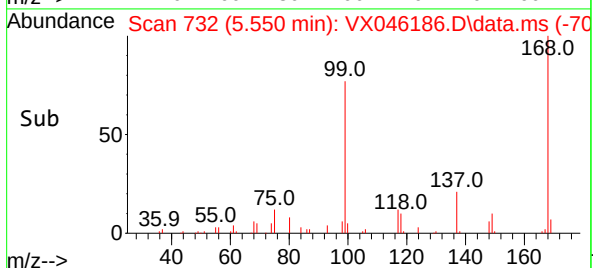
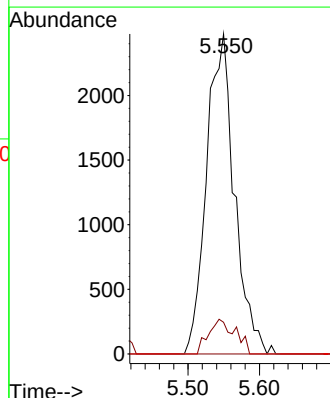
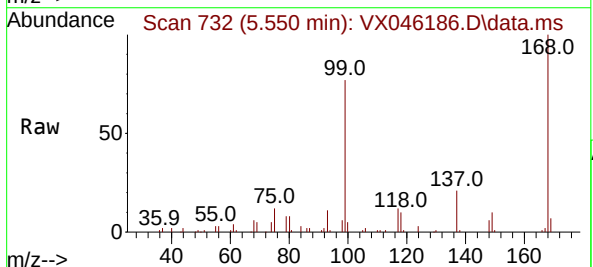
Instrument :
MSVOA_X
ClientSampleId :
FB-05132025

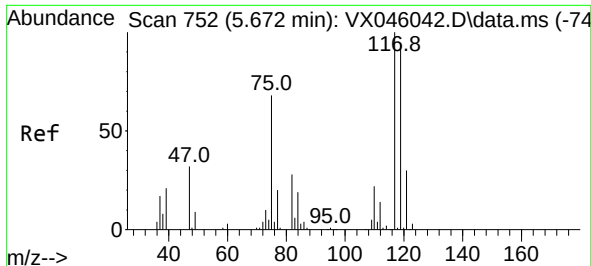
Tgt Ion:113 Resp: 49114
Ion Ratio Lower Upper
113 100
111 101.2 83.1 124.7
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.267 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Tgt Ion: 75 Resp: 6708
Ion Ratio Lower Upper
75 100
110 10.4 16.3 48.9#
77 0.0 24.3 36.5#

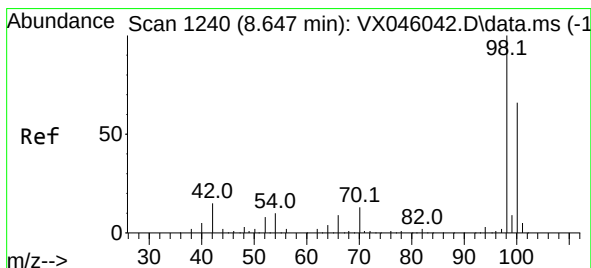
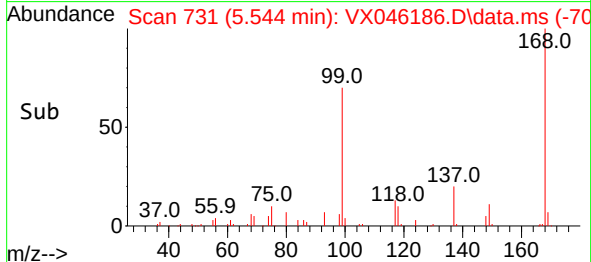
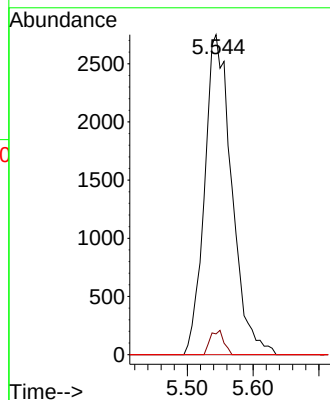
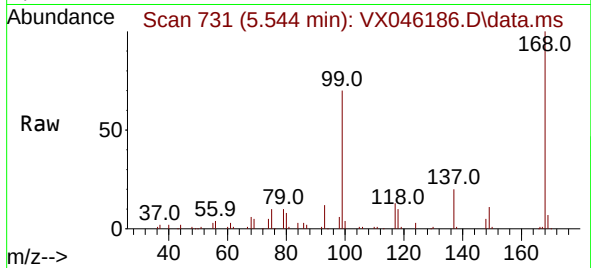




#38
Carbon Tetrachloride
Concen: 5.529 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

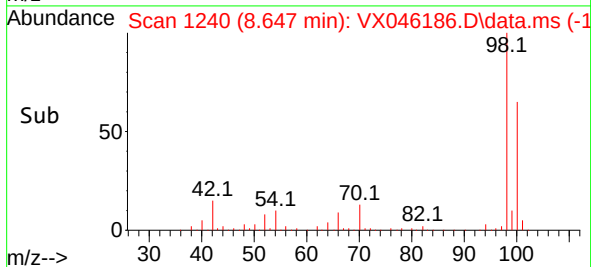
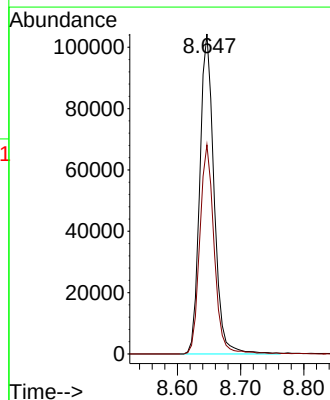
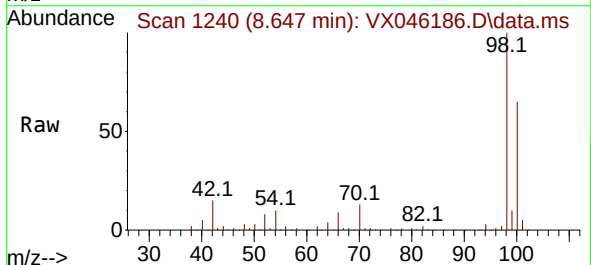
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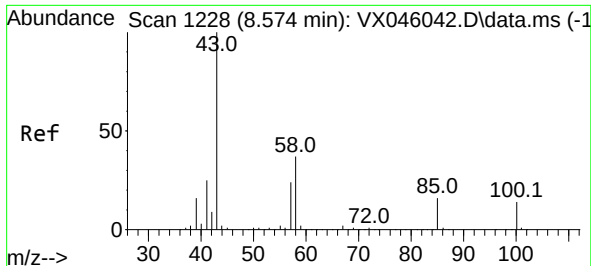
Tgt Ion:117 Resp: 7913
Ion Ratio Lower Upper
117 100
119 6.5 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.052 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Tgt Ion: 98 Resp: 164217
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3

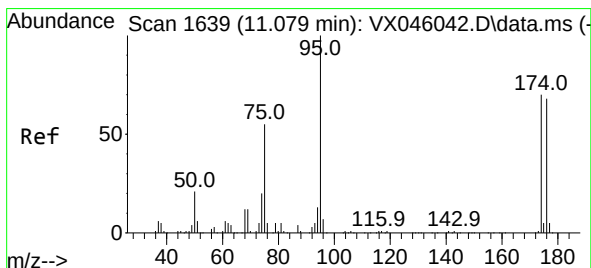
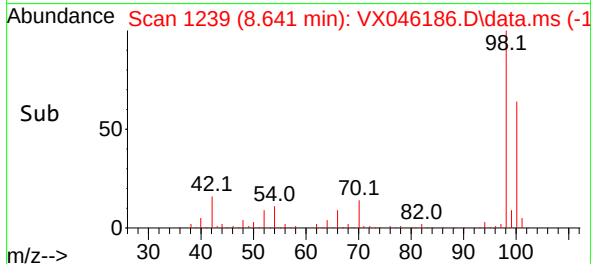
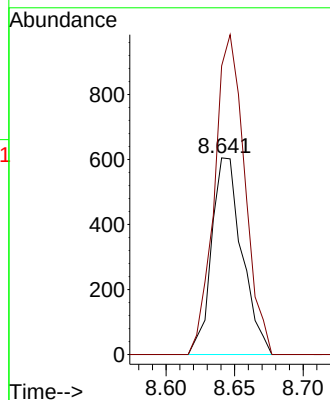
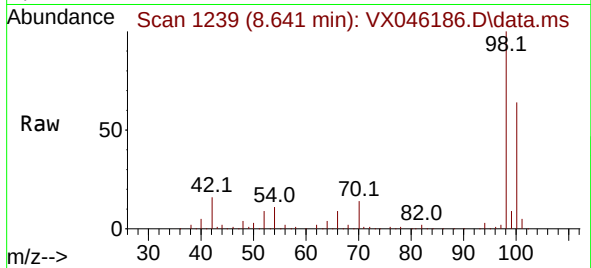




#51
4-Methyl-2-Pentanone
Concen: 0.585 ug/l
RT: 8.641 min Scan# 113
Delta R.T. 0.067 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

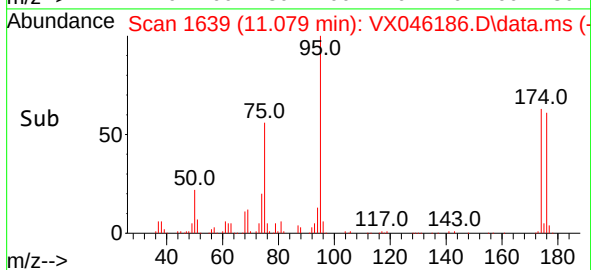
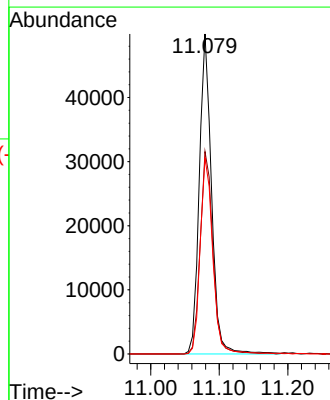
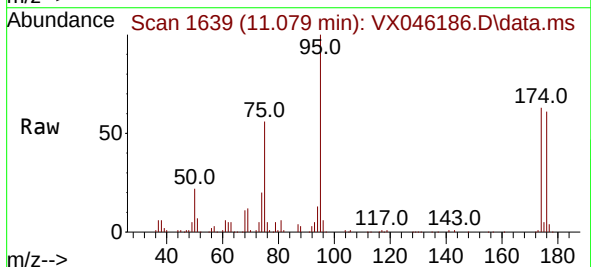
Instrument :
MSVOA_X
ClientSampleId :
FB-05132025

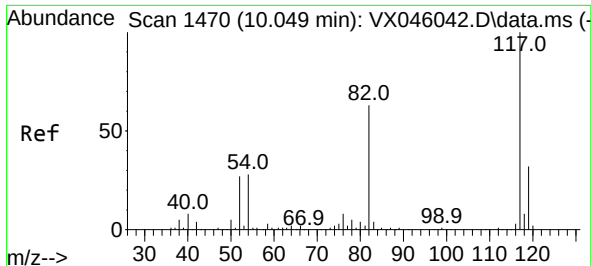
Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
58 162.6 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 49.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Tgt Ion: 95 Resp: 62184
Ion Ratio Lower Upper
95 100
174 65.7 0.0 135.8
176 63.0 0.0 131.4

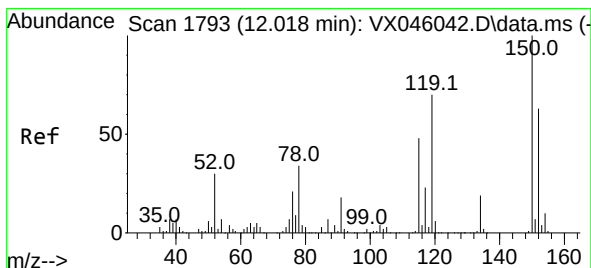
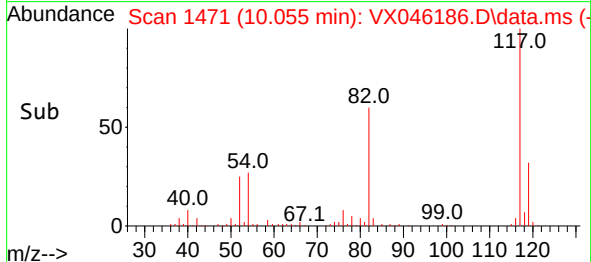
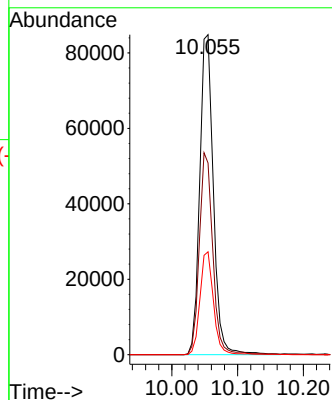
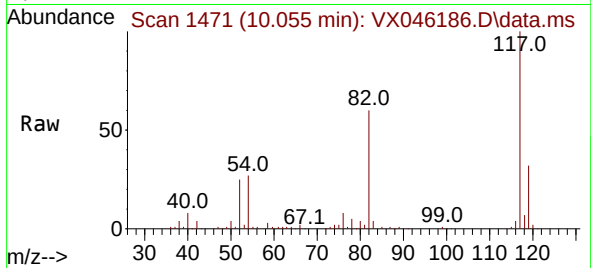




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

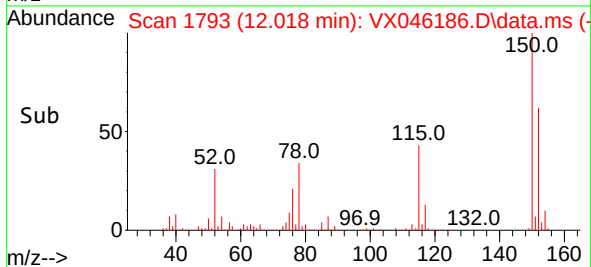
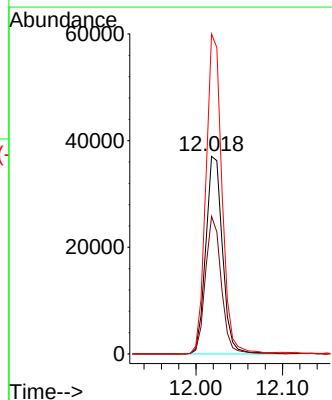
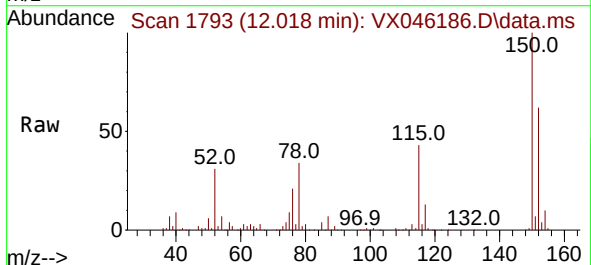
Instrument :
MSVOA_X
ClientSampleId :
FB-05132025

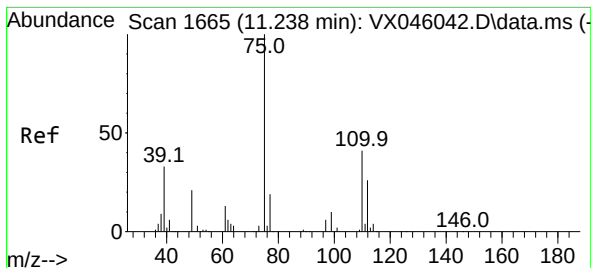
Tgt Ion:117 Resp: 122368
Ion Ratio Lower Upper
117 100
82 59.9 50.6 76.0
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Tgt Ion:152 Resp: 49689
Ion Ratio Lower Upper
152 100
115 66.4 46.9 140.7
150 155.5 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.342 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046186.D

Acq: 14 May 2025 12:00

Instrument :

MSVOA_X

ClientSampleId :

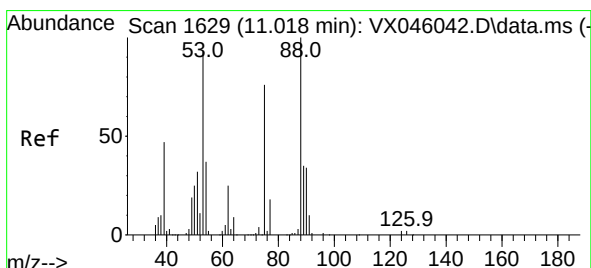
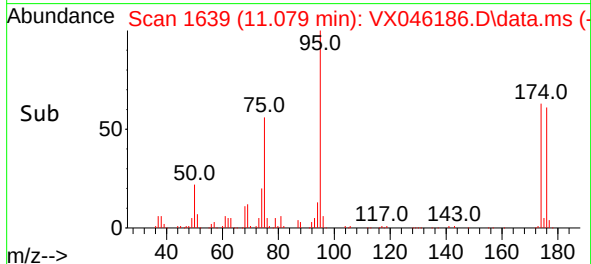
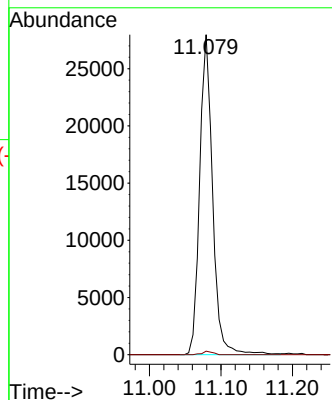
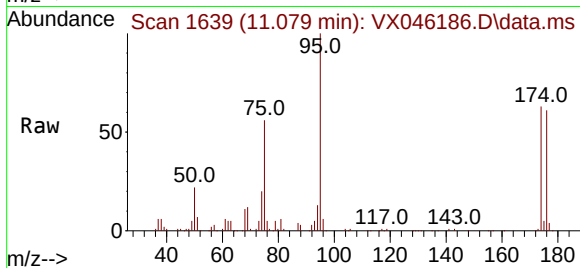
FB-05132025

Tgt Ion: 75 Resp: 35094

Ion Ratio Lower Upper

75 100

77 0.8 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.528 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046186.D

Acq: 14 May 2025 12:00

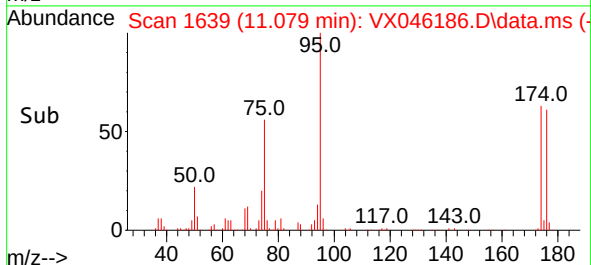
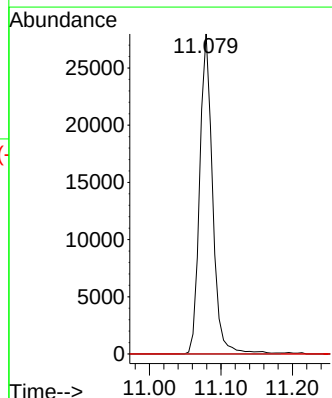
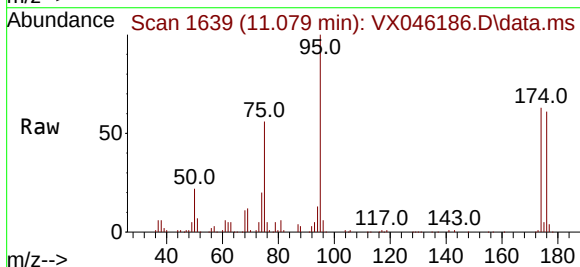
Tgt Ion: 75 Resp: 35094

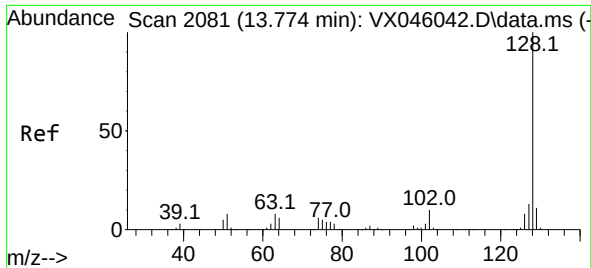
Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

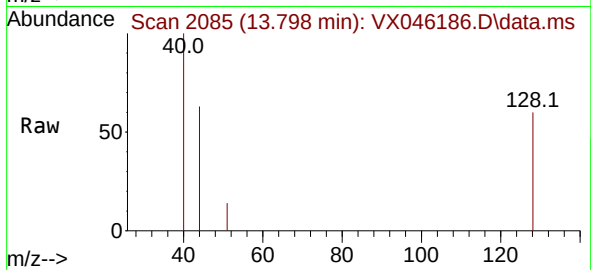
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.220 ug/l
RT: 13.798 min Scan# 20
Delta R.T. 0.024 min
Lab File: VX046186.D
Acq: 14 May 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
FB-05132025



Tgt Ion:128 Resp: 763
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

