

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
 Data File : VX045387.D
 Acq On : 21 Mar 2025 14:51
 Operator : JC/MD
 Sample : Q1582-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB02-20250313

Quant Time: Mar 21 23:16:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

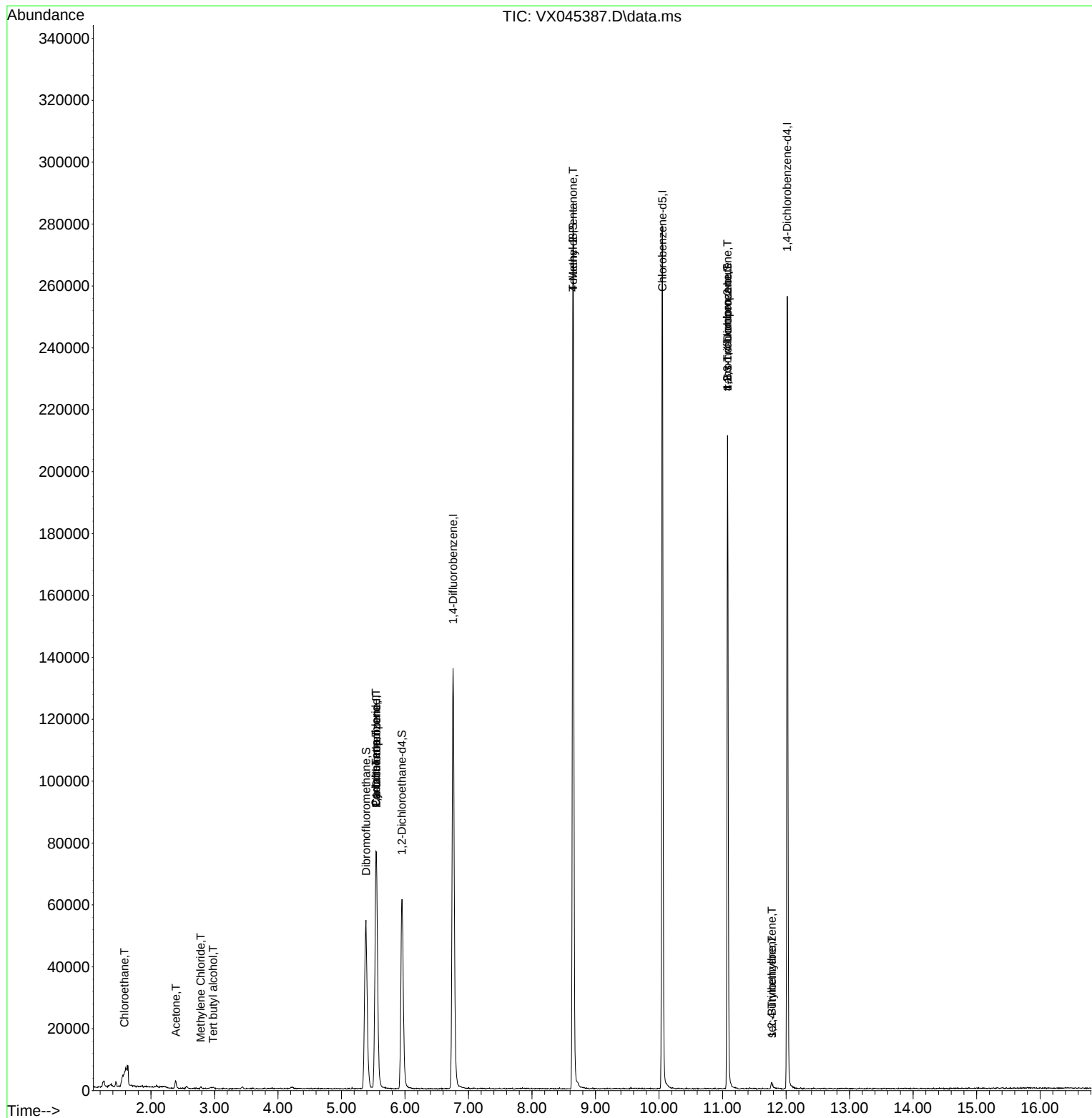
Internal Standards						
1) Pentafluorobenzene	5.550	168	68479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61073	56.068	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.140%	
35) Dibromofluoromethane	5.385	113	46466	53.146	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.300%	
50) Toluene-d8	8.647	98	163370	51.542	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.080%	
62) 4-Bromofluorobenzene	11.079	95	54095	51.503	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.000%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.581	64	170	0.352	ug/l #	41
11) Tert butyl alcohol	2.977	59	476	2.307	ug/l #	73
16) Acetone	2.392	43	2878	5.695	ug/l #	83
20) Methylene Chloride	2.782	84	246	0.246	ug/l #	55
31) Cyclohexane	5.544	56	1935	1.306	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	6643	5.540	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7672	6.302	ug/l #	18
51) 4-Methyl-2-Pentanone	8.647	43	849	0.553	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31168	28.256	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31168	96.698	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.774	105	951	0.316	ug/l #	32
85) sec-Butylbenzene	11.774	105	951	0.258	ug/l #	57

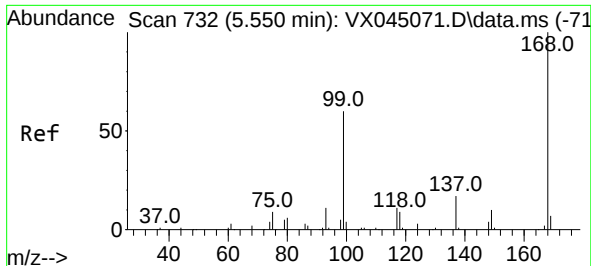
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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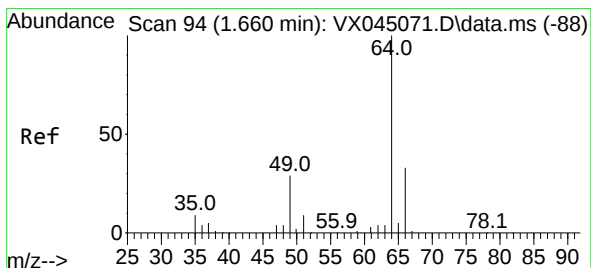
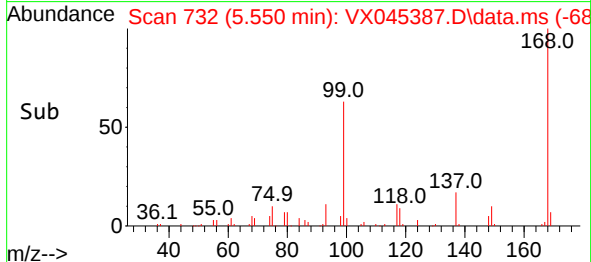
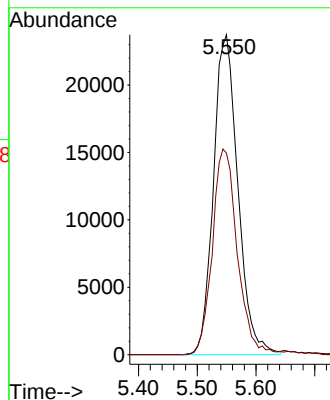
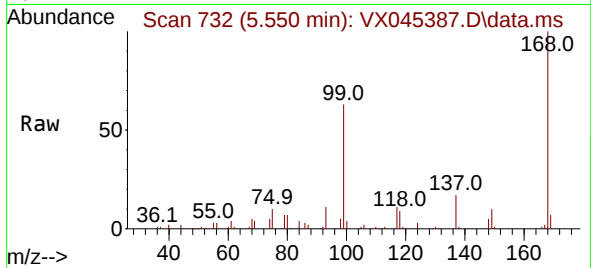




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

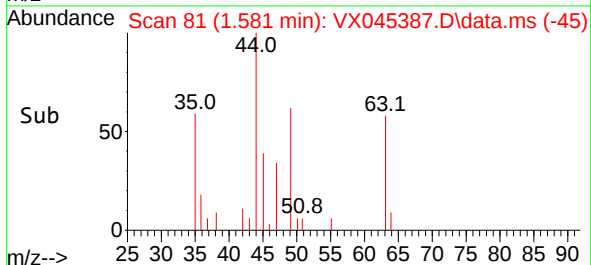
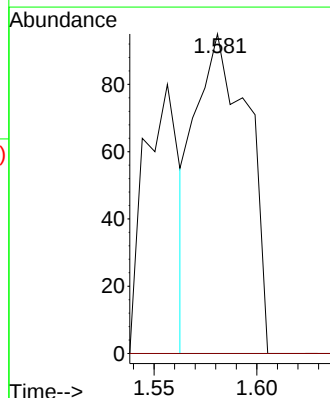
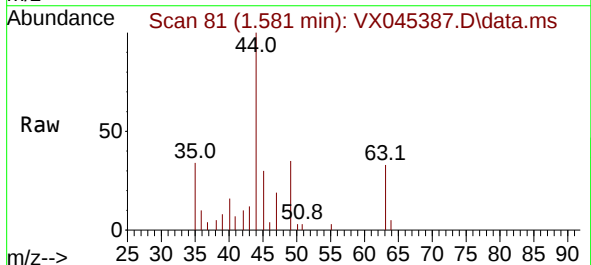
Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

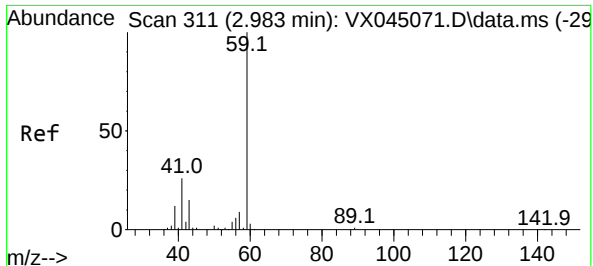
Tgt Ion:168 Resp: 68479
Ion Ratio Lower Upper
168 100
99 63.0 48.2 72.4



#6
Chloroethane
Concen: 0.352 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.079 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion: 64 Resp: 170
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#11

Tert butyl alcohol

Concen: 2.307 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX045387.D

Acq: 21 Mar 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :

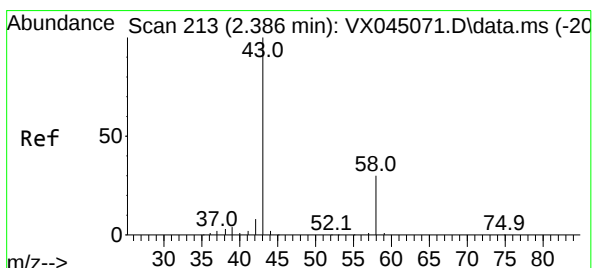
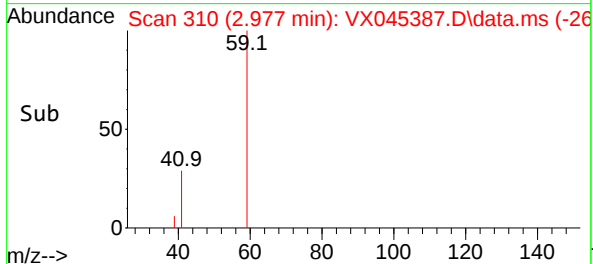
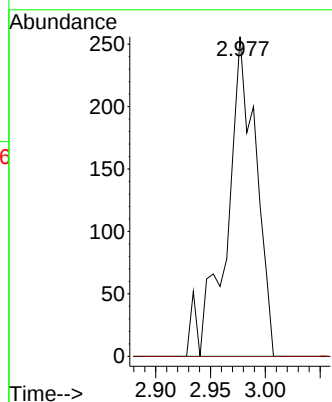
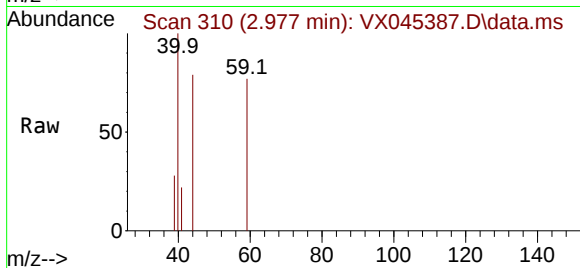
FB02-20250313

Tgt Ion: 59 Resp: 476

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 5.695 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX045387.D

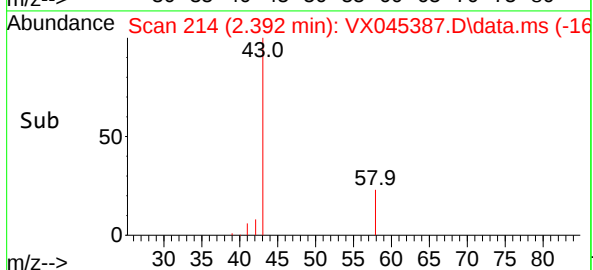
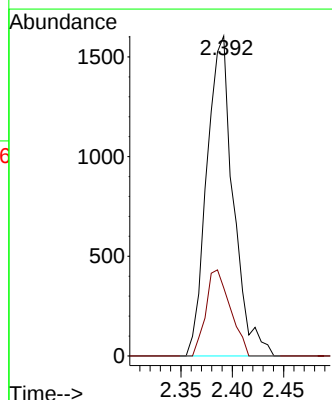
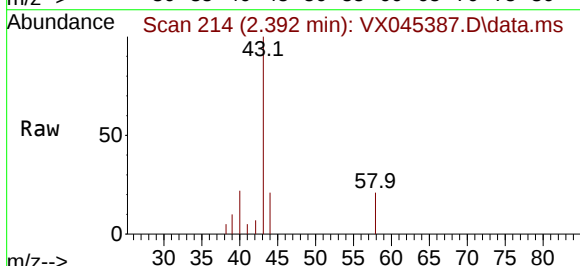
Acq: 21 Mar 2025 14:51

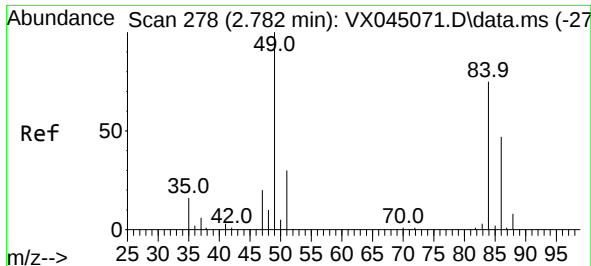
Tgt Ion: 43 Resp: 2878

Ion Ratio Lower Upper

43 100

58 21.3 24.2 36.4#





#20

Methylene Chloride

Concen: 0.246 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045387.D

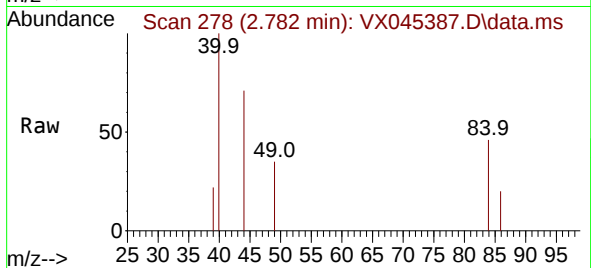
Acq: 21 Mar 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :

FB02-20250313



Tgt Ion: 84 Resp: 246

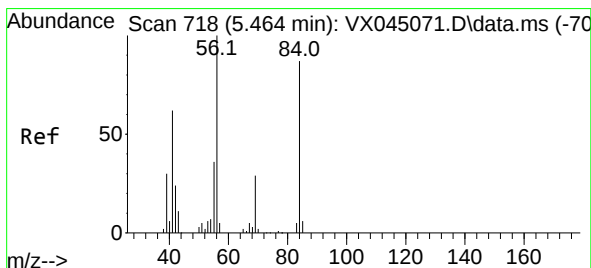
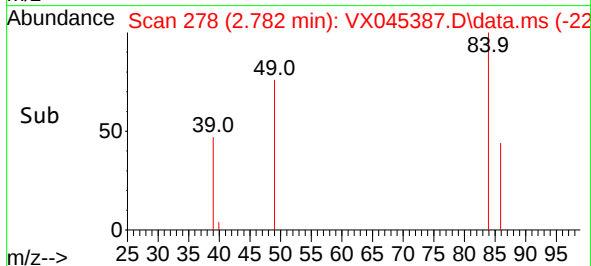
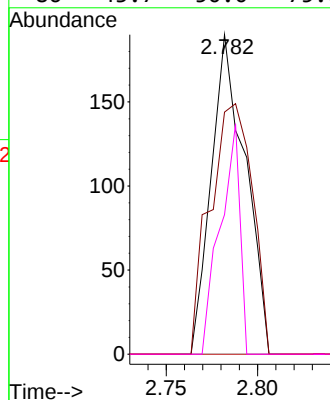
Ion Ratio Lower Upper

84 100

49 75.8 106.5 159.7#

51 0.0 32.1 48.1#

86 43.7 50.0 75.0#



#31

Cyclohexane

Concen: 1.306 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045387.D

Acq: 21 Mar 2025 14:51

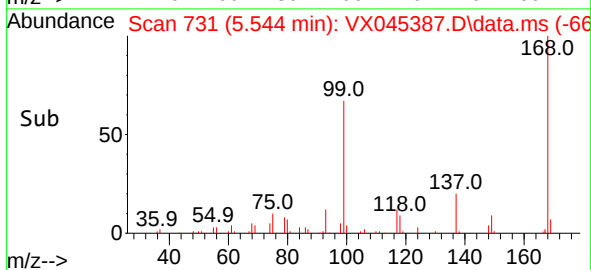
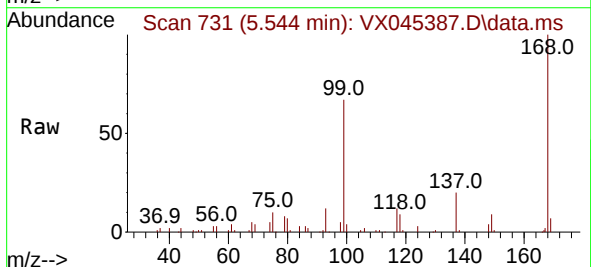
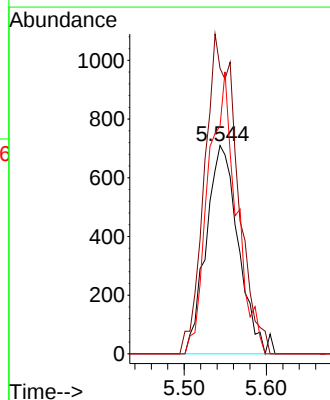
Tgt Ion: 56 Resp: 1935

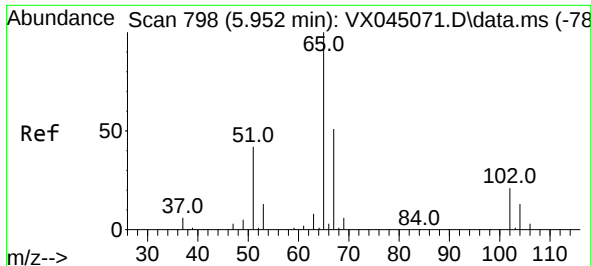
Ion Ratio Lower Upper

56 100

69 137.0 23.4 35.2#

84 109.3 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 56.068 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045387.D

Acq: 21 Mar 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :

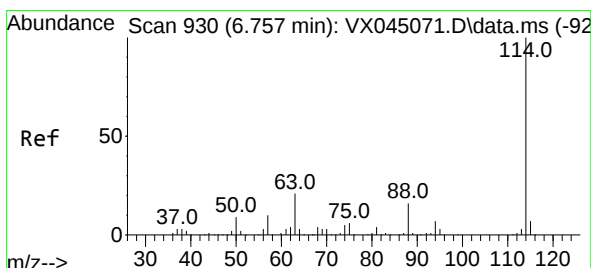
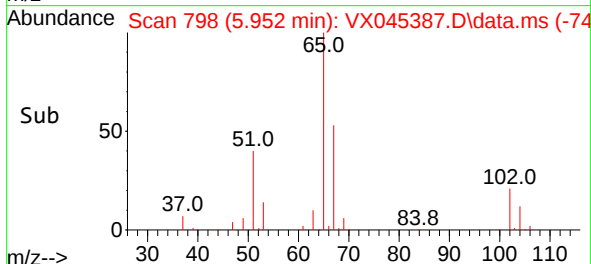
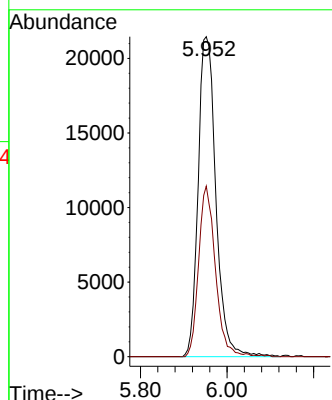
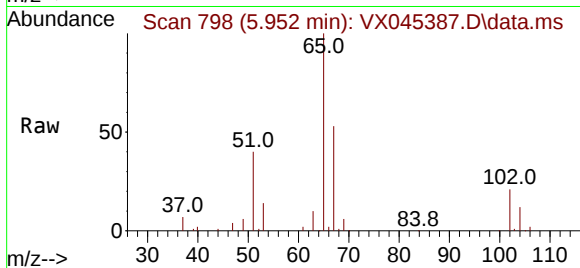
FB02-20250313

Tgt Ion: 65 Resp: 61073

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045387.D

Acq: 21 Mar 2025 14:51

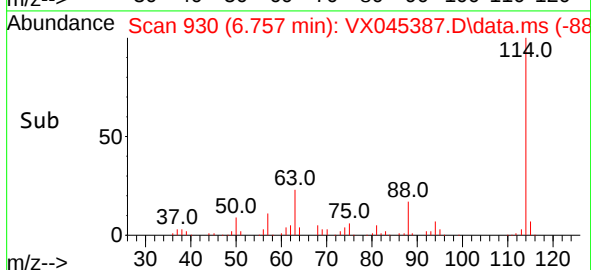
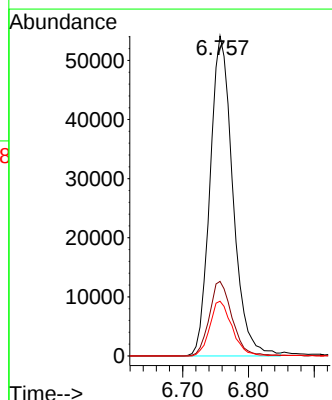
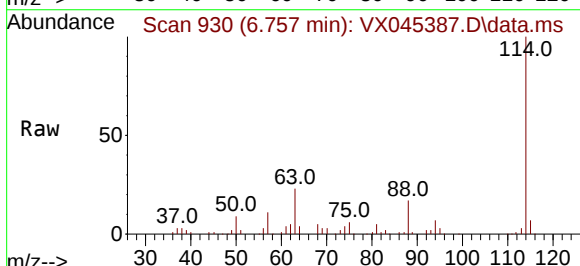
Tgt Ion: 114 Resp: 130752

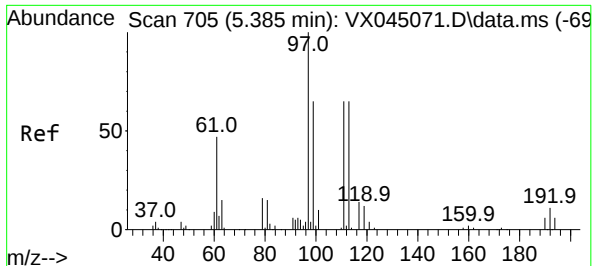
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

88 17.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.146 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045387.D

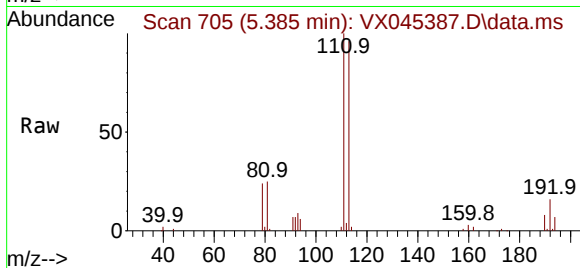
Acq: 21 Mar 2025 14:51

Instrument :

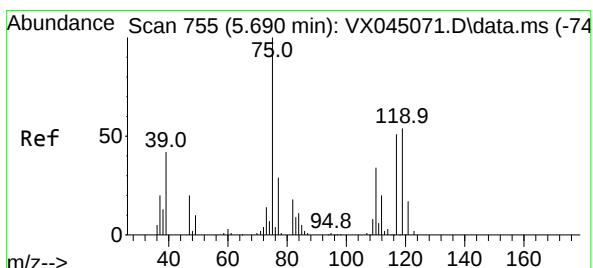
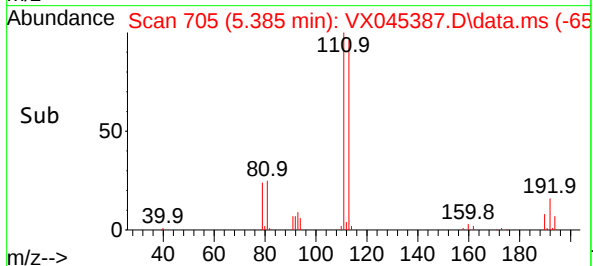
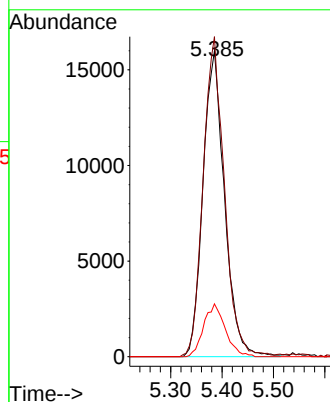
MSVOA_X

ClientSampleId :

FB02-20250313



Tgt Ion:	113	Resp:	46466
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.4	14.3	21.5



#36

1,1-Dichloropropene

Concen: 5.540 ug/l

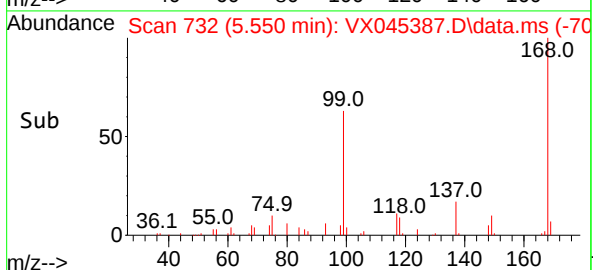
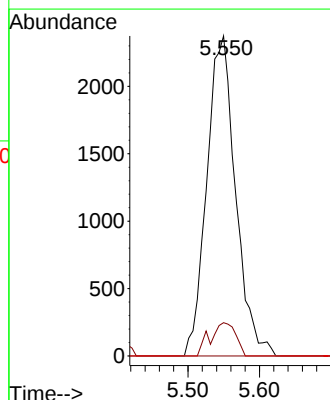
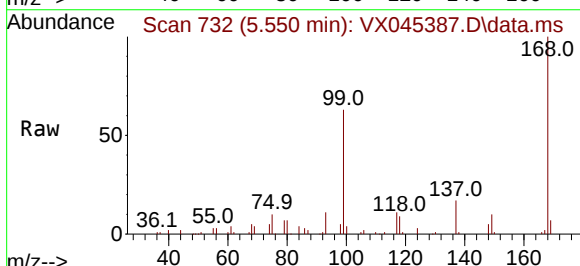
RT: 5.550 min Scan# 732

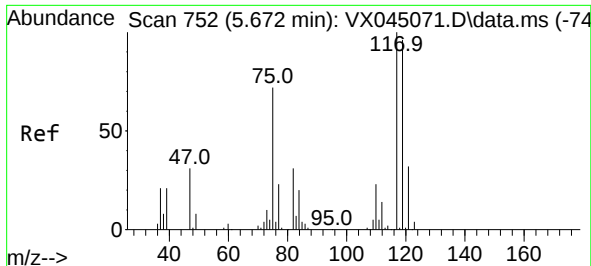
Delta R.T. -0.140 min

Lab File: VX045387.D

Acq: 21 Mar 2025 14:51

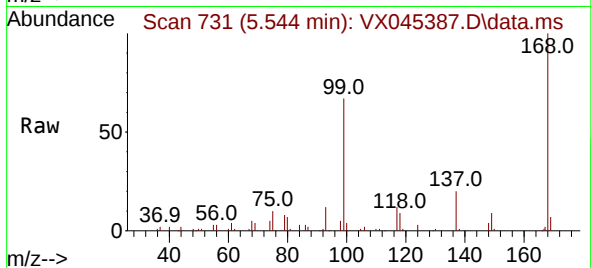
Tgt Ion:	75	Resp:	6643
Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.9	50.6#
77	0.0	24.5	36.7#



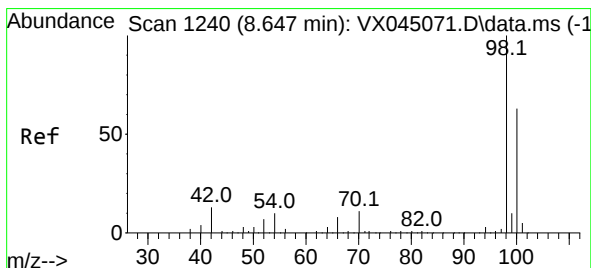
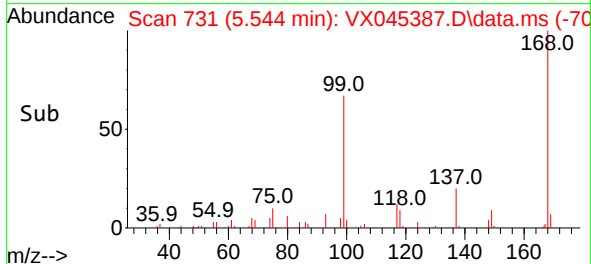
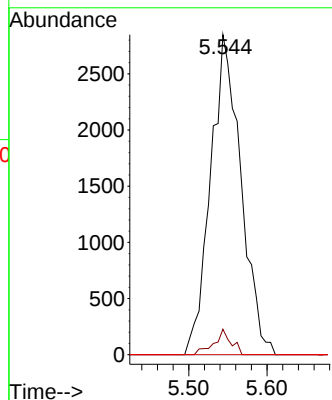


#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

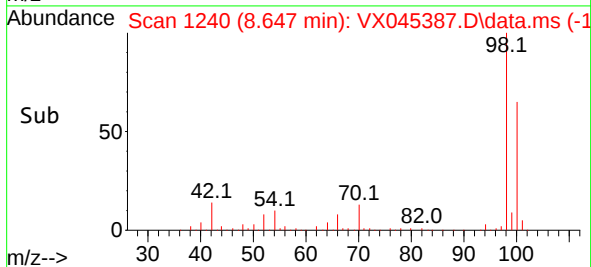
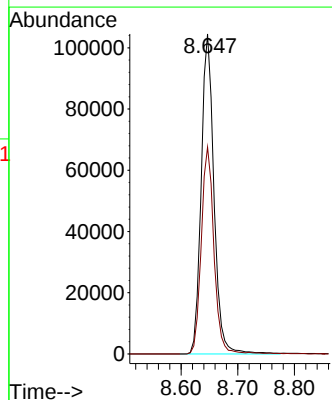
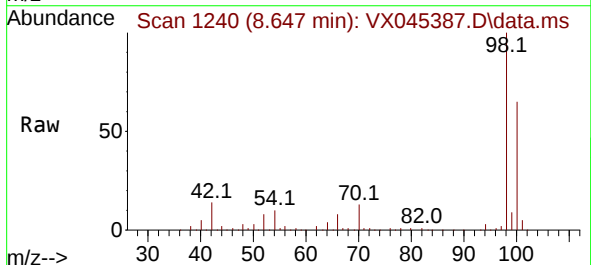


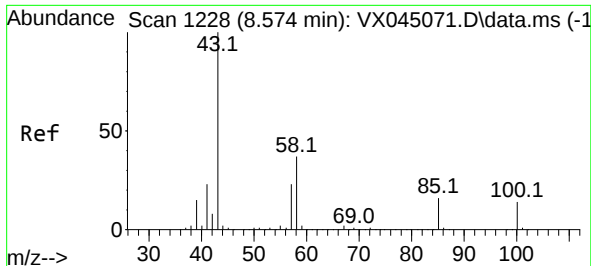
Tgt Ion:117 Resp: 7672
Ion Ratio Lower Upper
117 100
119 8.0 76.7 115.1#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 51.542 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion: 98 Resp: 163370
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

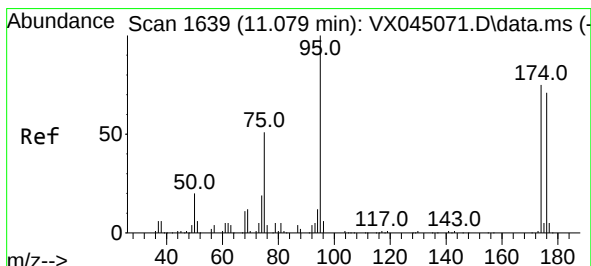
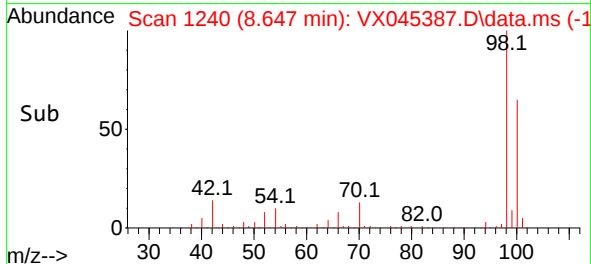
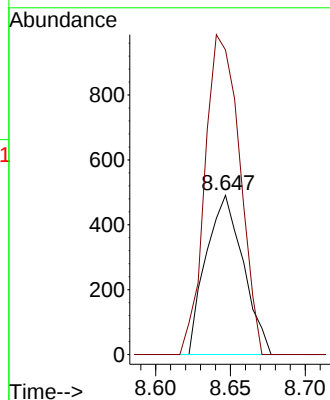
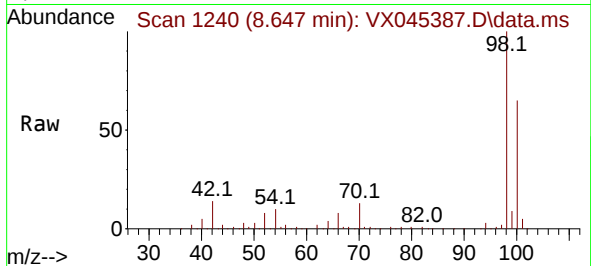




#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

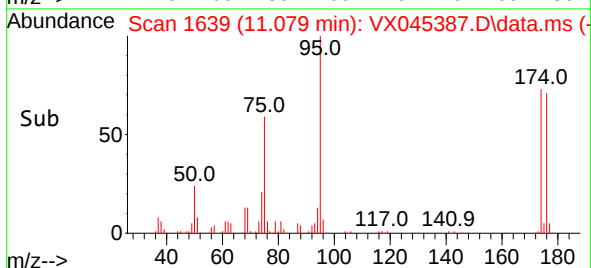
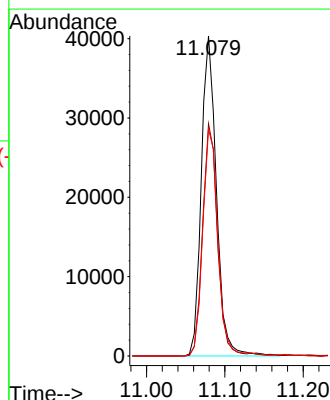
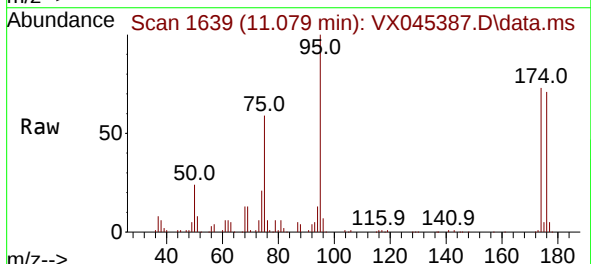
Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

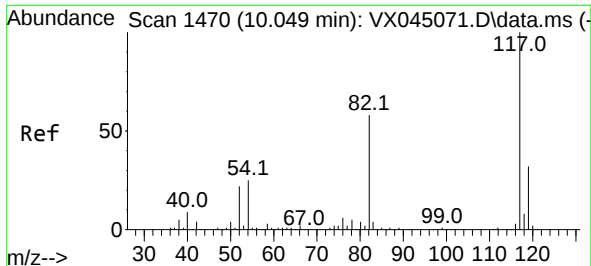
Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
58 187.9 29.2 43.8#



#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion: 95 Resp: 54095
Ion Ratio Lower Upper
95 100
174 71.7 0.0 148.2
176 71.0 0.0 141.4

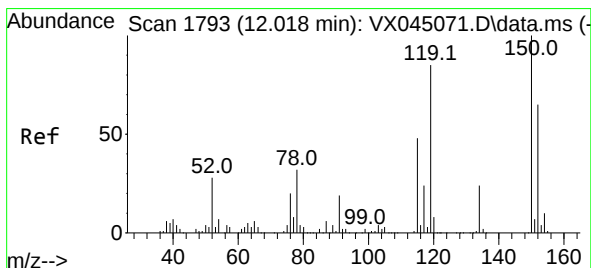
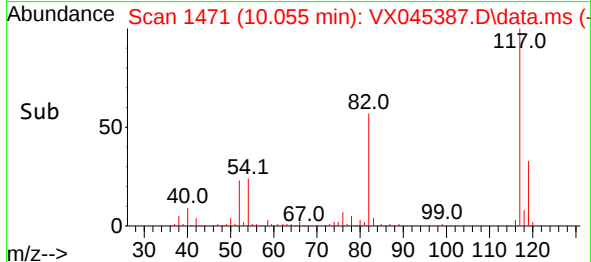
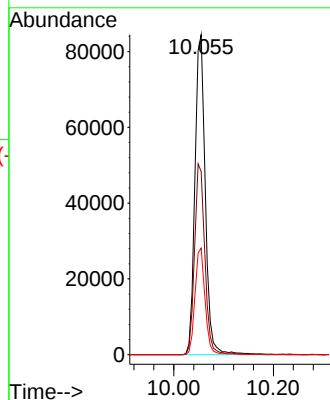
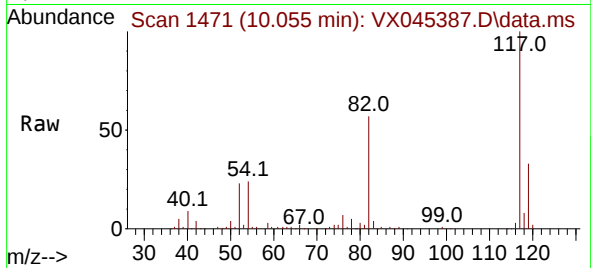




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

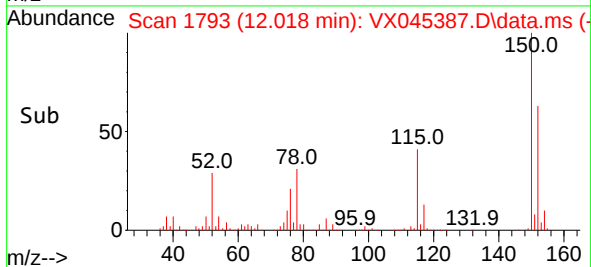
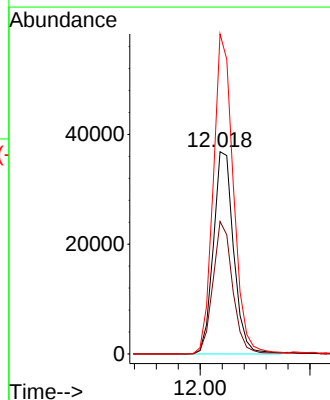
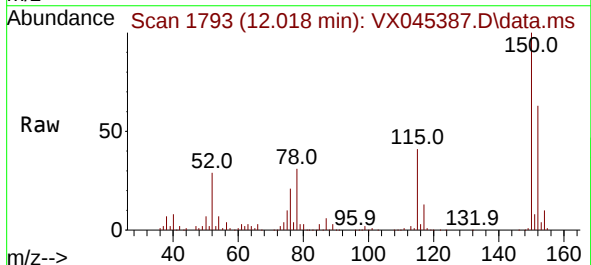
Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

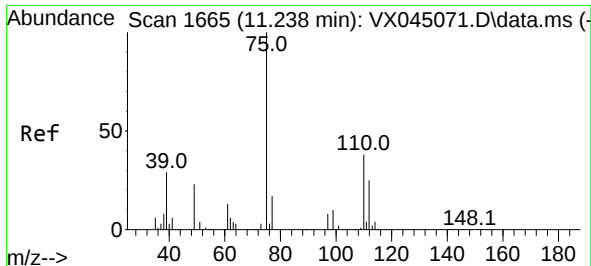
Tgt Ion:117 Resp: 122006
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 33.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion:152 Resp: 47392
Ion Ratio Lower Upper
152 100
115 63.7 44.2 132.6
150 156.5 0.0 349.0

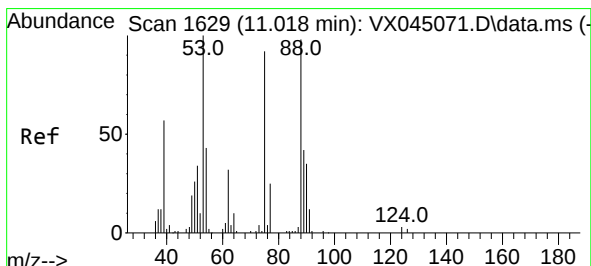
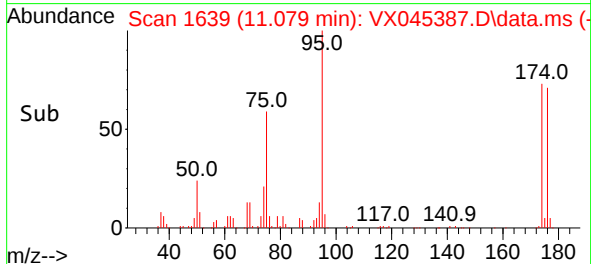
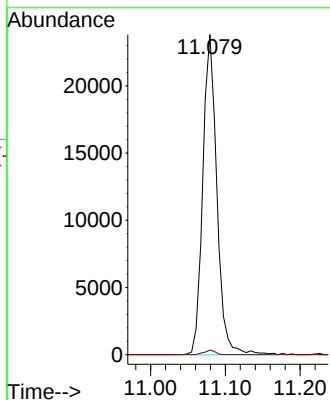
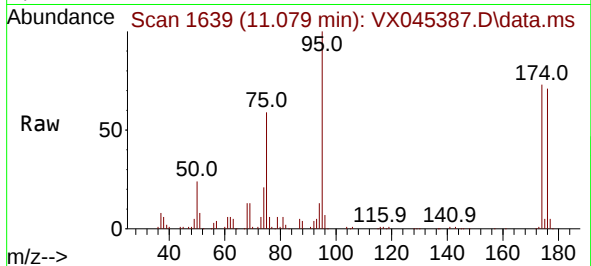




#76
1,2,3-Trichloropropane
Concen: 28.256 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

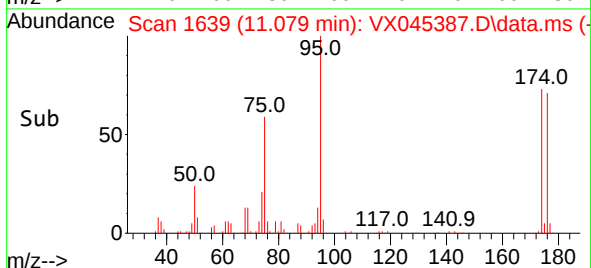
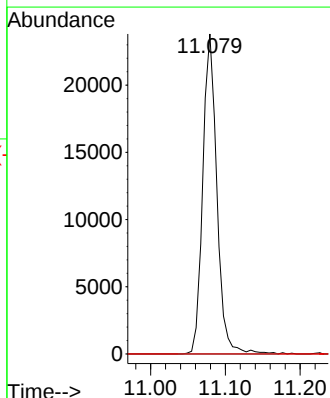
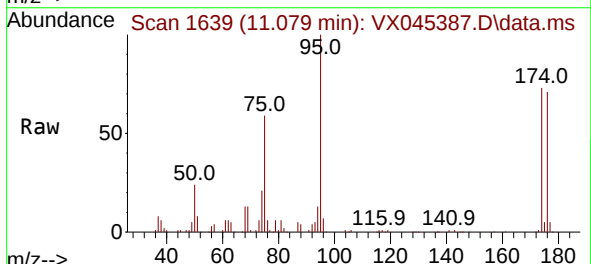
Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

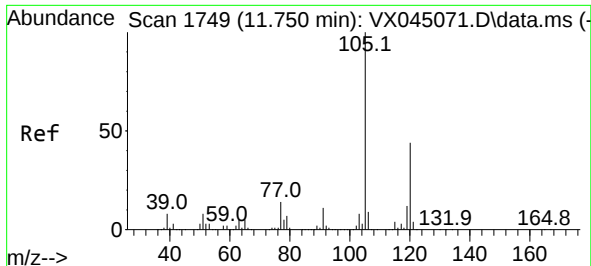
Tgt Ion: 75 Resp: 31168
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.698 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion: 75 Resp: 31168
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

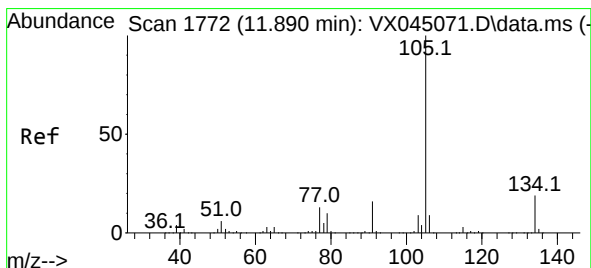
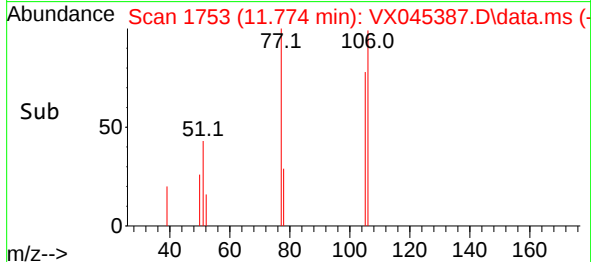
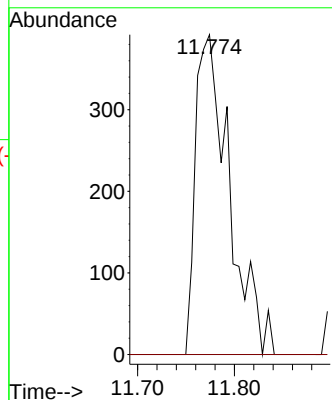
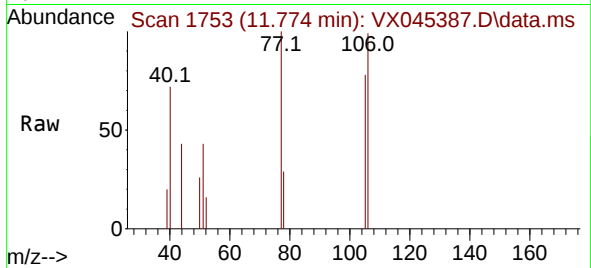




#84
1,2,4-Trimethylbenzene
Concen: 0.316 ug/l
RT: 11.774 min Scan# 1749
Delta R.T. 0.024 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Tgt Ion:105 Resp: 951
Ion Ratio Lower Upper
105 100
120 0.0 22.1 66.1#



#85
sec-Butylbenzene
Concen: 0.258 ug/l
RT: 11.774 min Scan# 1753
Delta R.T. -0.116 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion:105 Resp: 951
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#

