

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045226.D
 Acq On : 11 Mar 2025 15:56
 Operator : JC/MD
 Sample : Q1531-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01

Quant Time: Mar 12 01:50:55 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)

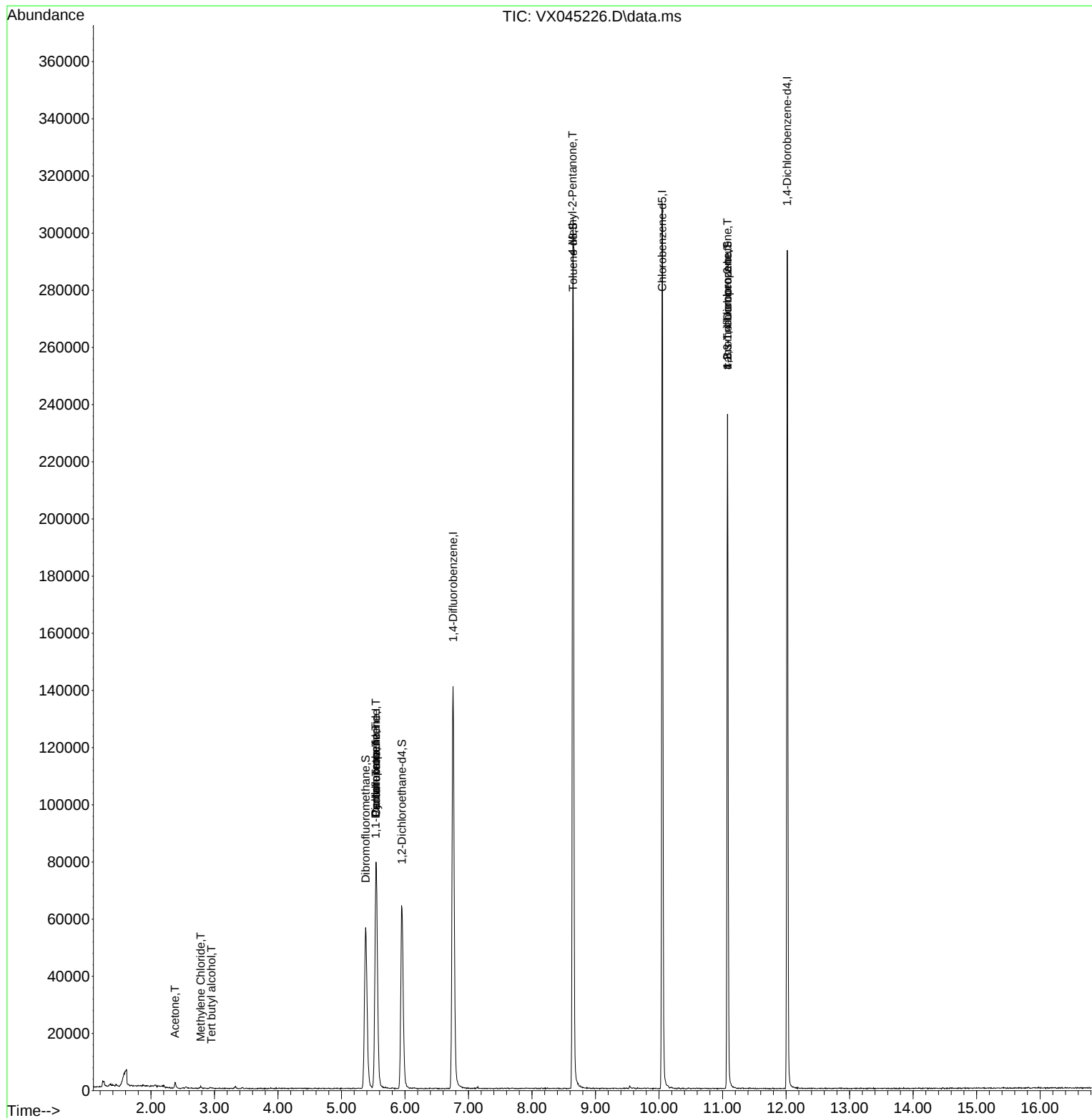
Internal Standards						
1) Pentafluorobenzene	5.544	168	72045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139952	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61370	53.552	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.100%	
35) Dibromofluoromethane	5.379	113	48315	51.628	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.260%	
50) Toluene-d8	8.647	98	176414	51.998	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.000%	
62) 4-Bromofluorobenzene	11.079	95	61523	54.724	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	79	0.364	ug/l #	73
16) Acetone	2.380	43	1961	3.688	ug/l #	89
20) Methylene Chloride	2.782	84	300	0.285	ug/l #	57
31) Cyclohexane	5.544	56	1876	1.203	ug/l #	50
36) 1,1-Dichloropropene	5.538	75	6389	4.978	ug/l #	46
38) Carbon Tetrachloride	5.544	117	7823	6.004	ug/l #	16
51) 4-Methyl-2-Pentanone	8.641	43	963	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33900	25.962	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33900	88.845	ug/l #	6

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

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FB01

Quant Time: Mar 12 01:50:55 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

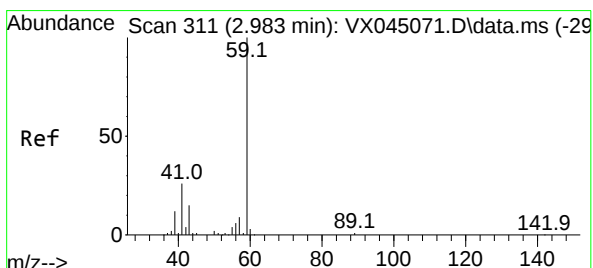
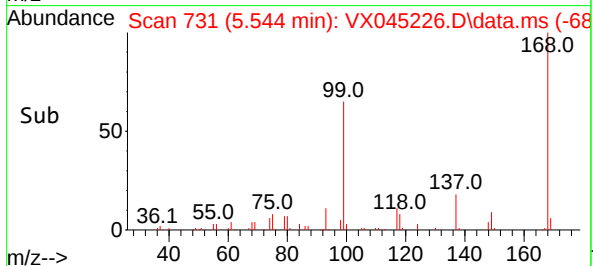
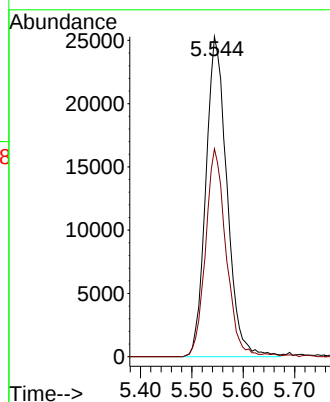
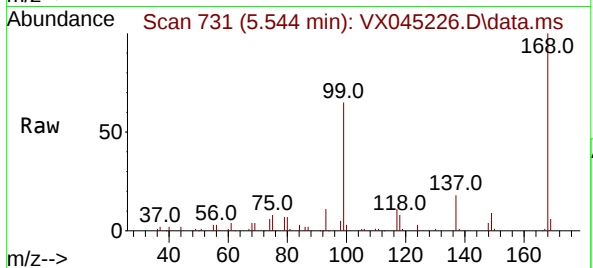




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

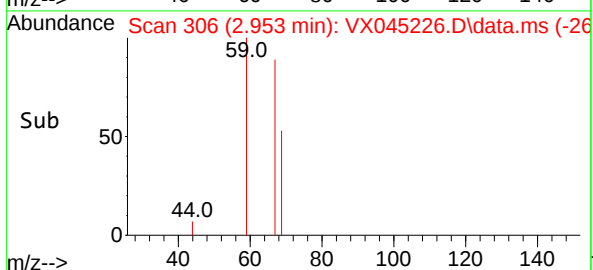
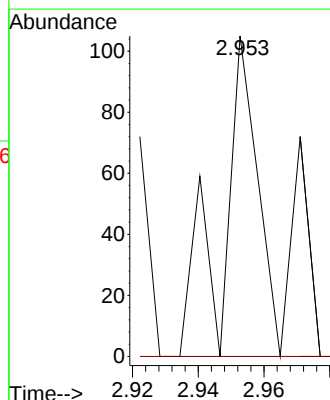
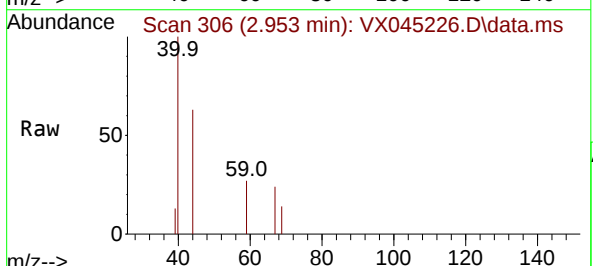
Instrument :
MSVOA_X
ClientSampleId :
FB01

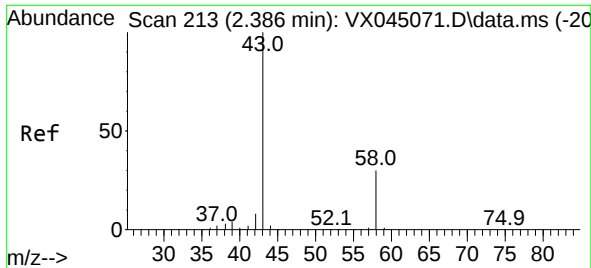
Tgt Ion:168 Resp: 72045
Ion Ratio Lower Upper
168 100
99 64.9 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.364 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

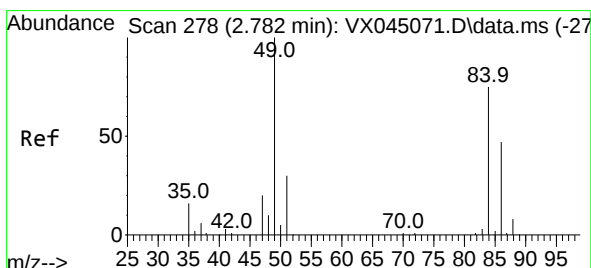
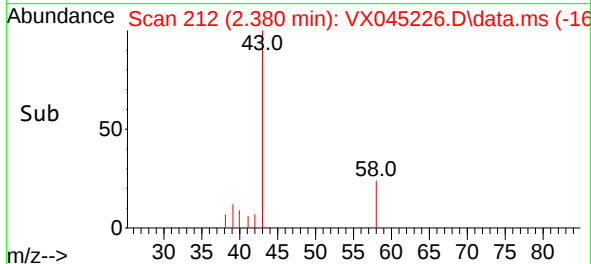
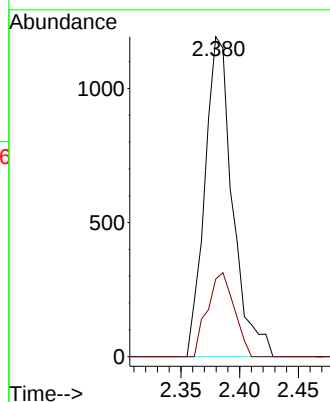
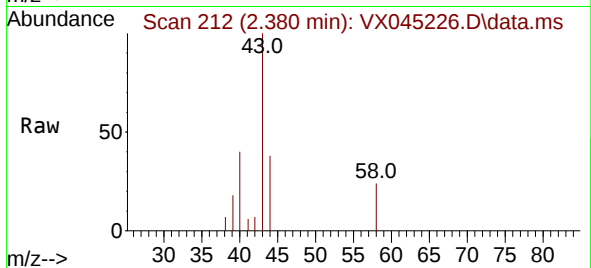




#16
Acetone
Concen: 3.688 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

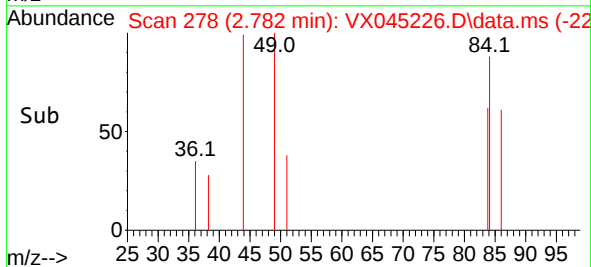
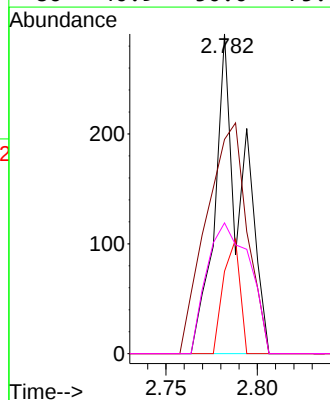
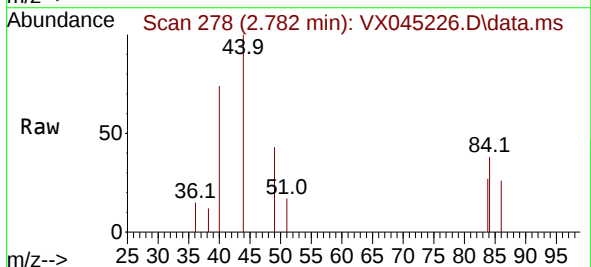
Instrument :
MSVOA_X
ClientSampleId :
FB01

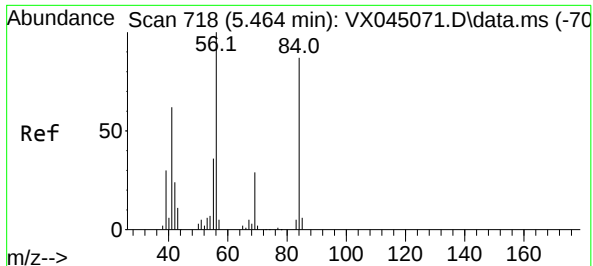
Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
58 24.2 24.2 36.4#



#20
Methylene Chloride
Concen: 0.285 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

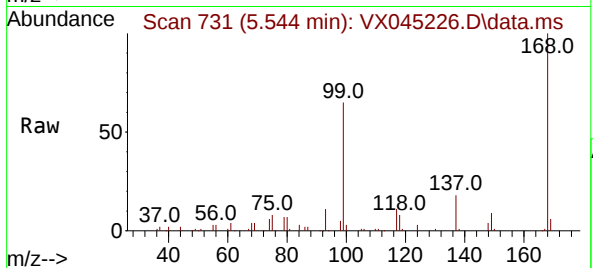
Tgt Ion: 84 Resp: 300
Ion Ratio Lower Upper
84 100
49 67.0 106.5 159.7#
51 25.8 32.1 48.1#
86 40.9 50.0 75.0#



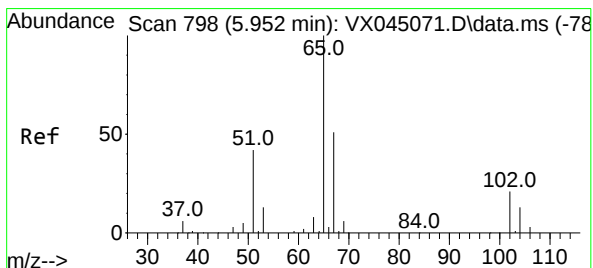
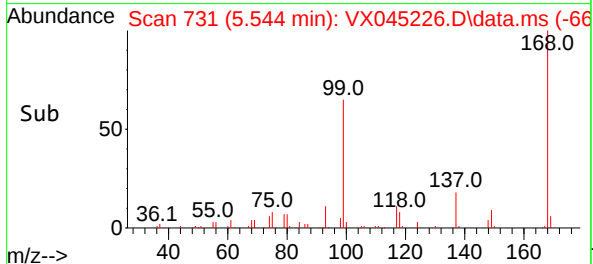
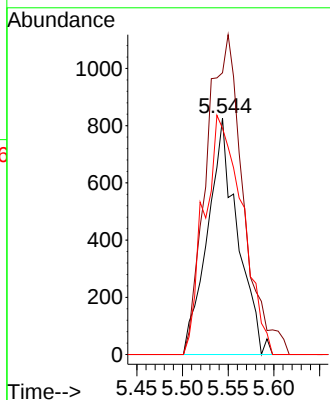


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

Instrument :
MSVOA_X
ClientSampleId :
FB01

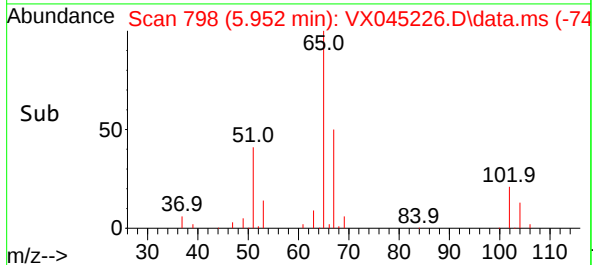
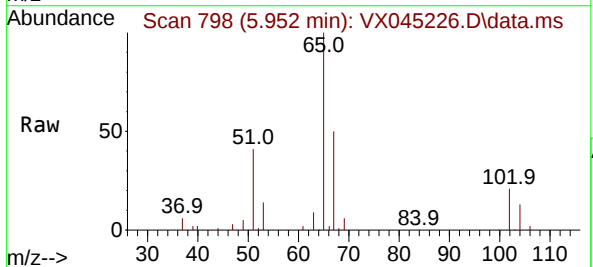
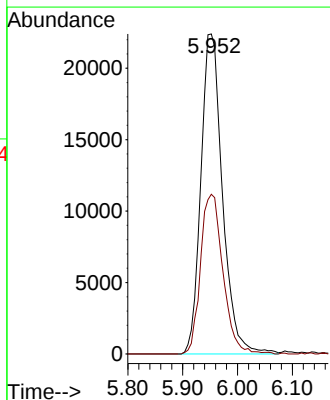


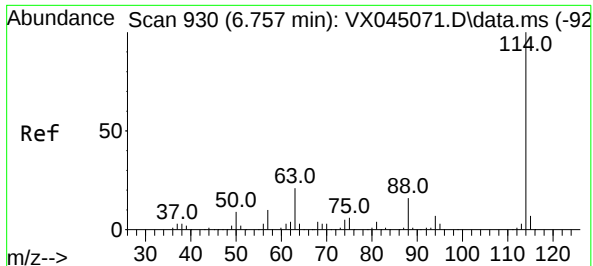
Tgt Ion: 56 Resp: 1876
Ion Ratio Lower Upper
56 100
69 119.2 23.4 35.2#
84 95.8 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 53.552 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

Tgt Ion: 65 Resp: 61370
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2

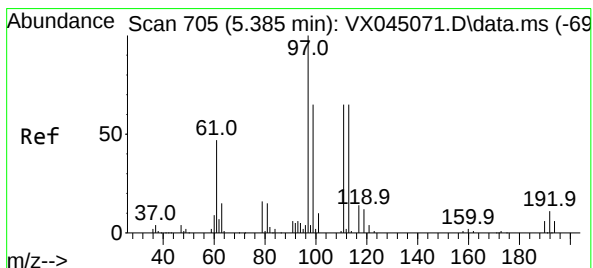
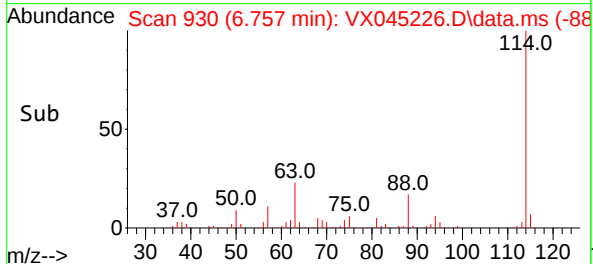
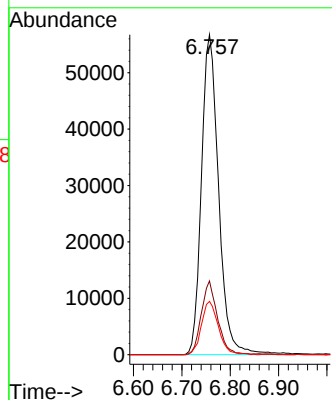
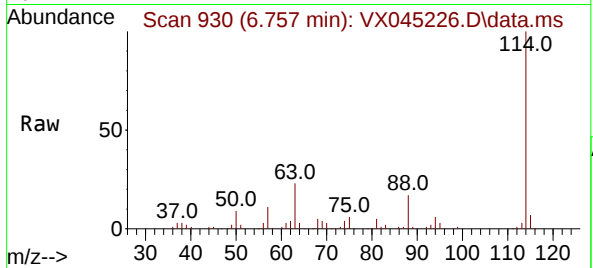




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

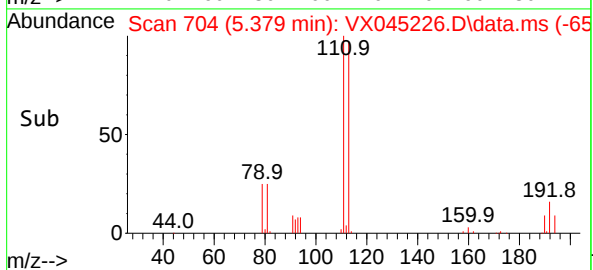
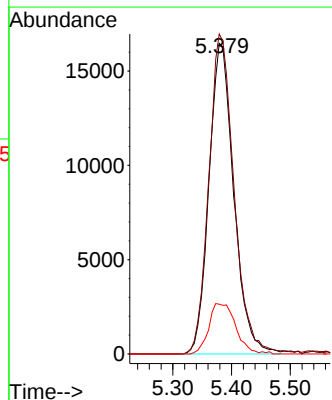
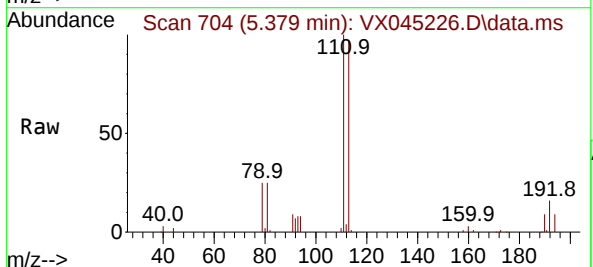
Instrument :
MSVOA_X
ClientSampleId :
FB01

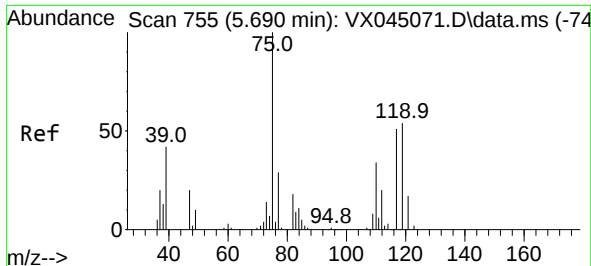
Tgt Ion:114 Resp: 139952
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.628 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

Tgt Ion:113 Resp: 48315
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.6
192 17.6 14.3 21.5

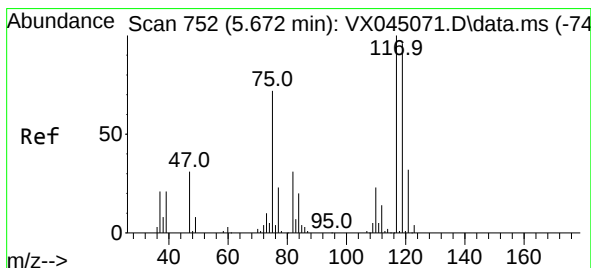
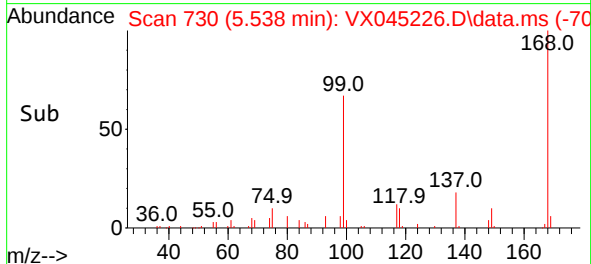
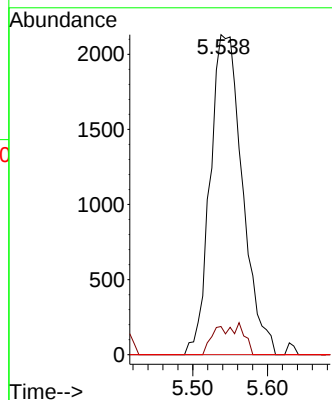
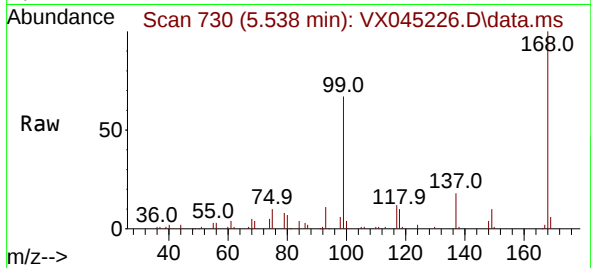




#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

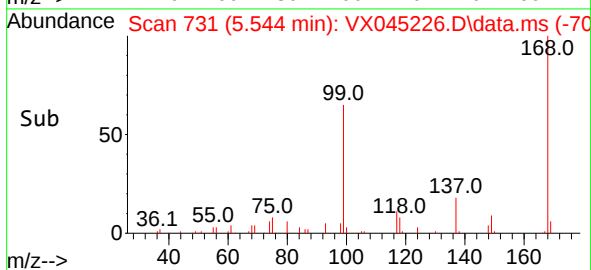
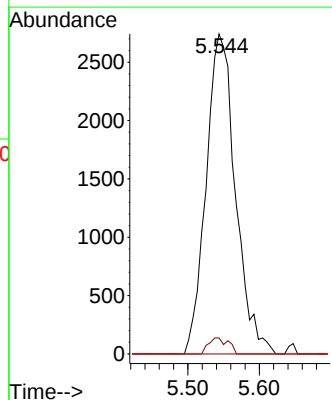
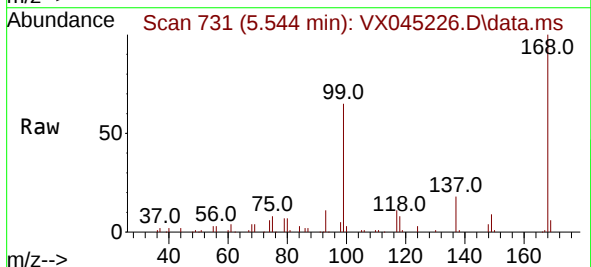
Instrument :
MSVOA_X
ClientSampleId :
FB01

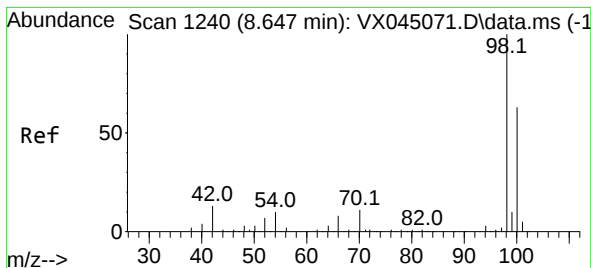
Tgt Ion: 75 Resp: 6389
Ion Ratio Lower Upper
75 100
110 4.0 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045226.D
Acq: 11 Mar 2025 15:56

Tgt Ion: 117 Resp: 7823
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 51.998 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045226.D

Acq: 11 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

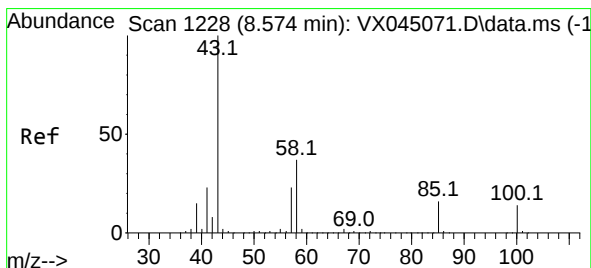
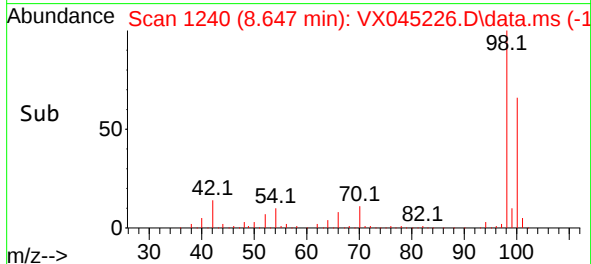
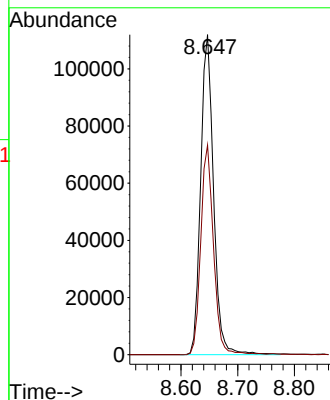
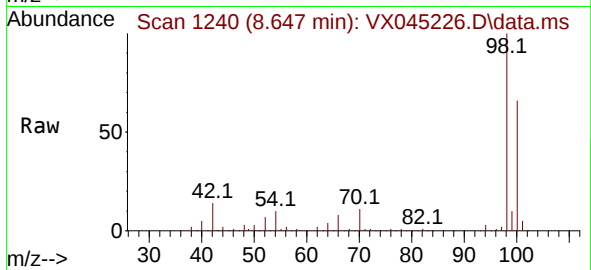
FB01

Tgt Ion: 98 Resp: 176414

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.587 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX045226.D

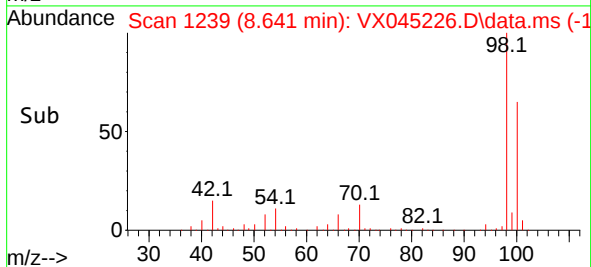
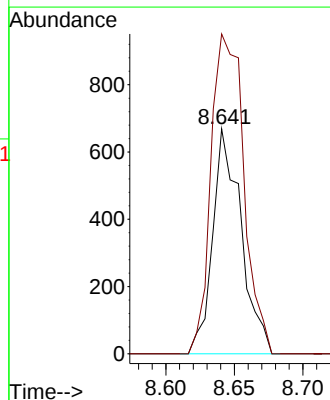
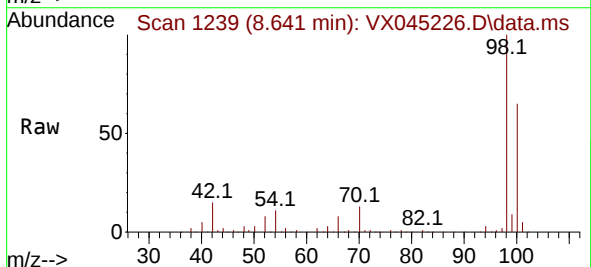
Acq: 11 Mar 2025 15:56

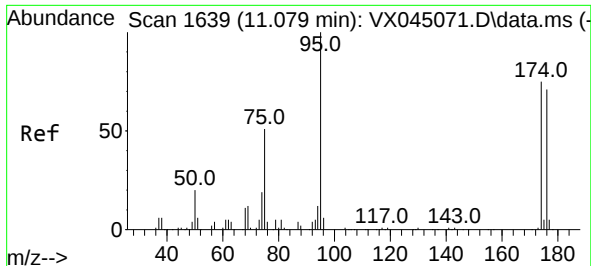
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 164.7 29.2 43.8#





#62

4-Bromofluorobenzene

Concen: 54.724 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045226.D

Acq: 11 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

FB01

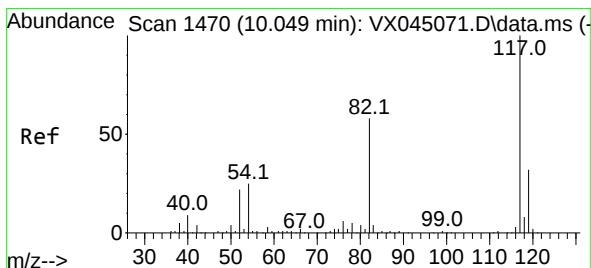
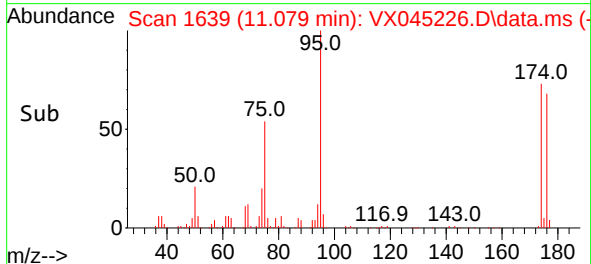
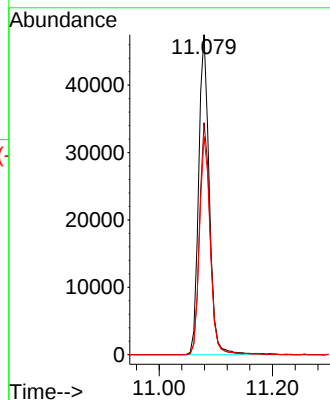
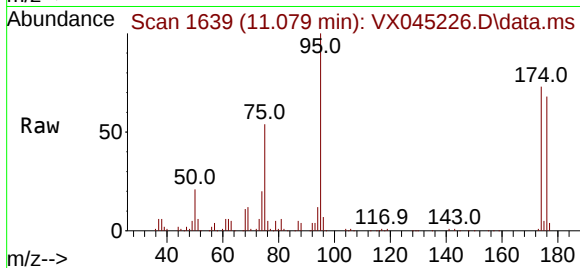
Tgt Ion: 95 Resp: 61523

Ion Ratio Lower Upper

95 100

174 73.2 0.0 148.2

176 69.1 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045226.D

Acq: 11 Mar 2025 15:56

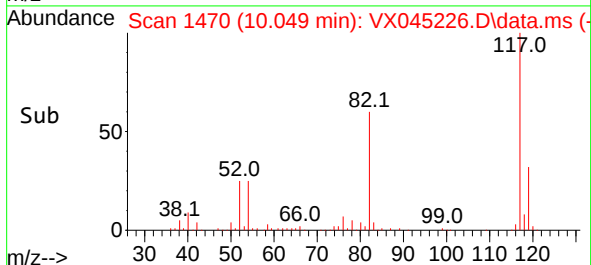
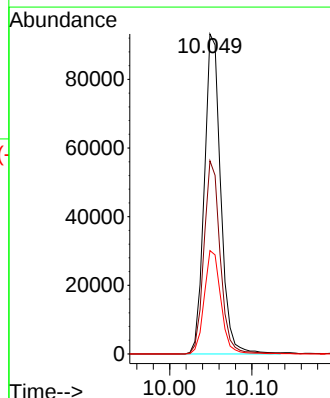
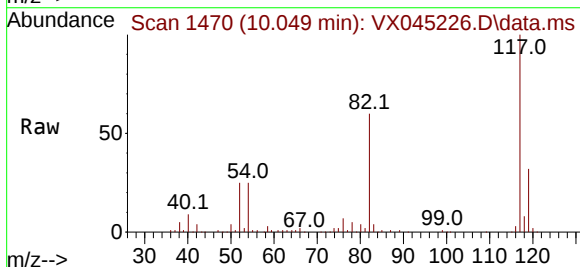
Tgt Ion: 117 Resp: 128901

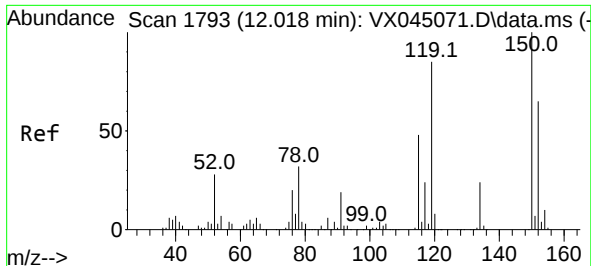
Ion Ratio Lower Upper

117 100

82 60.4 46.3 69.5

119 32.3 25.7 38.5

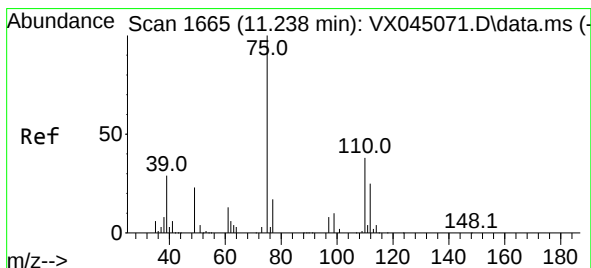
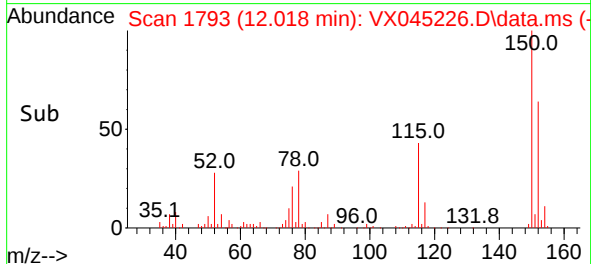
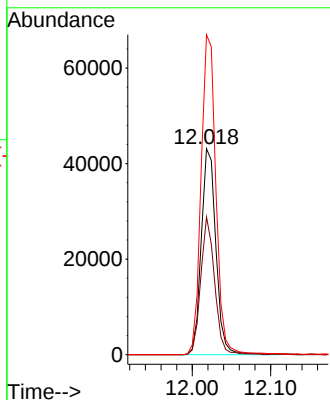
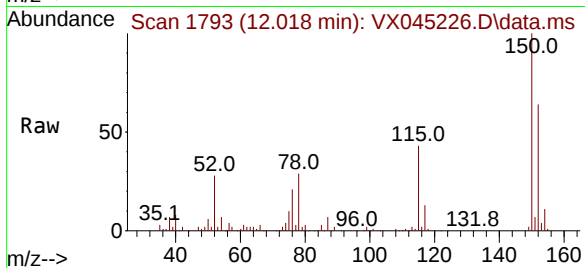




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045226.D
 Acq: 11 Mar 2025 15:56

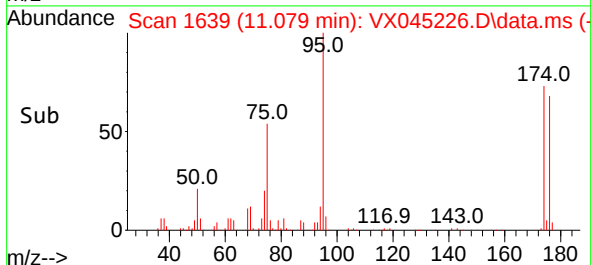
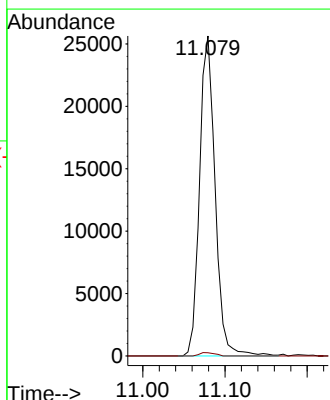
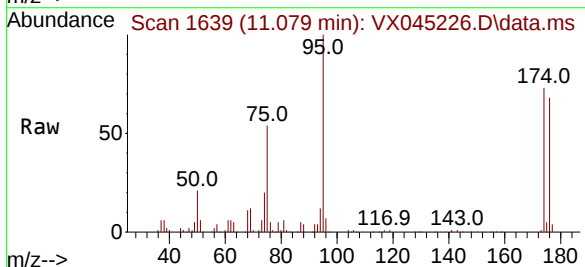
Instrument :
 MSVOA_X
 ClientSampleId :
 FB01

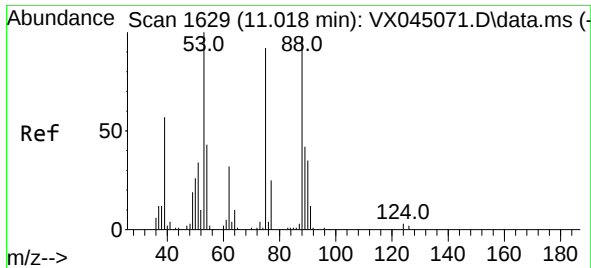
Tgt Ion:152 Resp: 56102
 Ion Ratio Lower Upper
 152 100
 115 63.1 44.2 132.6
 150 157.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.962 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045226.D
 Acq: 11 Mar 2025 15:56

Tgt Ion: 75 Resp: 33900
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.845 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045226.D
 Acq: 11 Mar 2025 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01

Tgt Ion: 75 Resp: 33900
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

