

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048440.D
 Acq On : 31 Oct 2025 17:54
 Operator : JC/MD
 Sample : Q3508-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-1

Quant Time: Oct 31 23:09:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

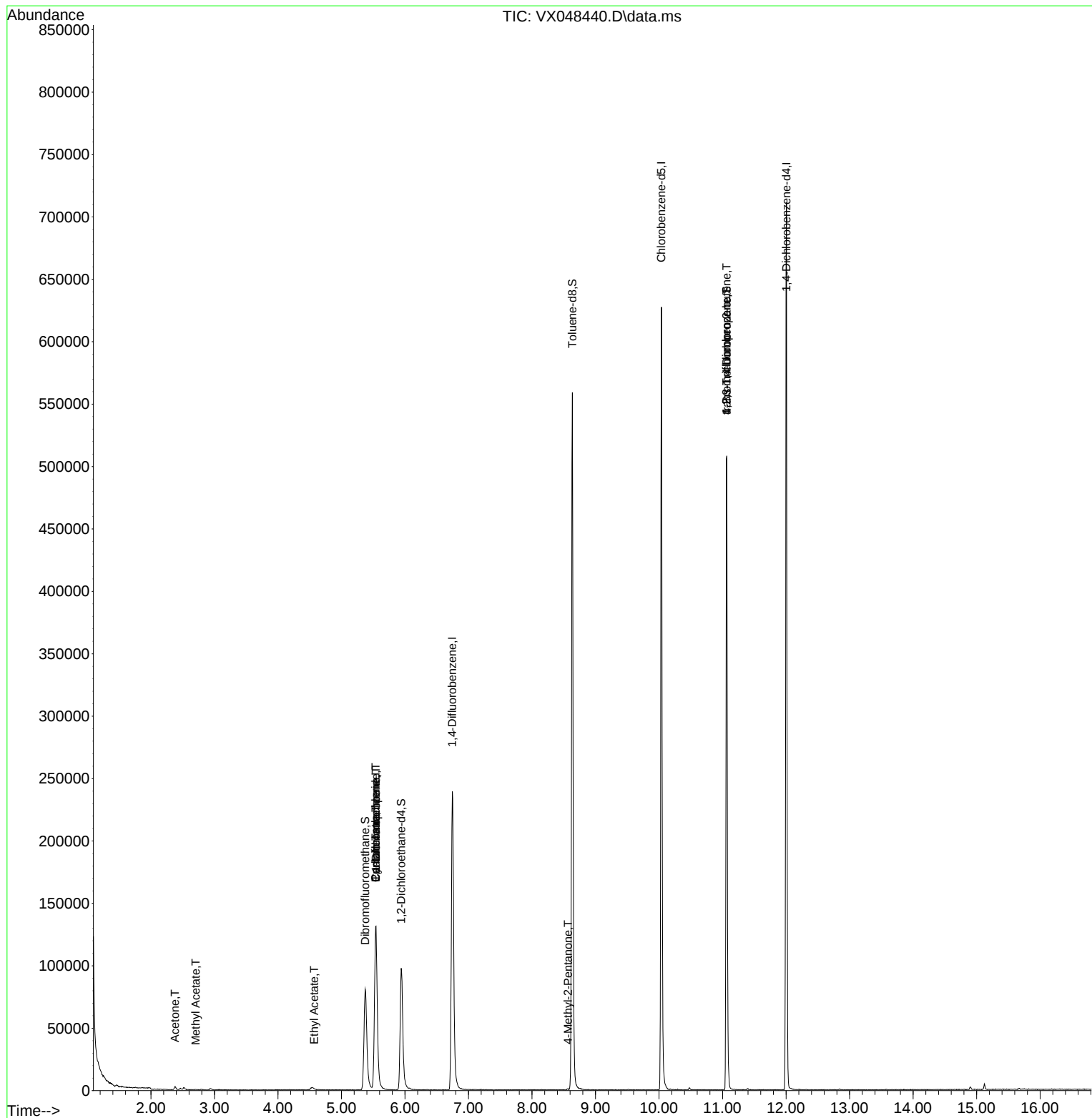
Internal Standards						
1) Pentafluorobenzene	5.537	168	140573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	277552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	304691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	147012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107570	53.209	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.420%	
35) Dibromofluoromethane	5.373	113	82332	52.029	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.060%	
50) Toluene-d8	8.634	98	351112	50.265	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.520%	
62) 4-Bromofluorobenzene	11.061	95	150235	57.494	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.980%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	3663	7.994	ug/l	92
18) Methyl Acetate	2.703	43	460	0.300	ug/l #	54
31) Cyclohexane	5.537	56	2524	0.903	ug/l #	9
36) 1,1-Dichloropropene	5.544	75	10492	3.948	ug/l #	47
37) Ethyl Acetate	4.568	43	467	0.206	ug/l #	70
38) Carbon Tetrachloride	5.537	117	13672	4.456	ug/l #	16
51) 4-Methyl-2-Pentanone	8.567	43	784	0.377	ug/l #	81
76) 1,2,3-Trichloropropane	11.061	75	78529	37.143	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	78529	128.538	ug/l #	10

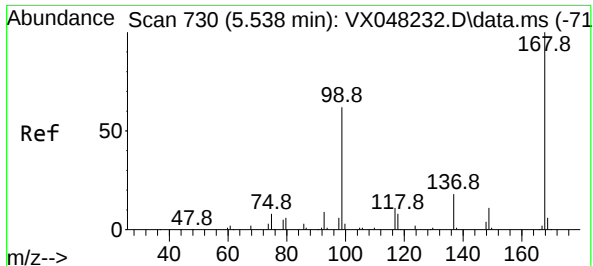
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

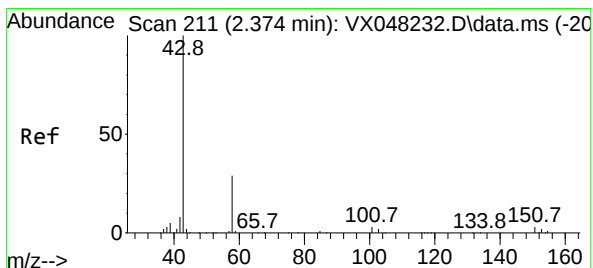
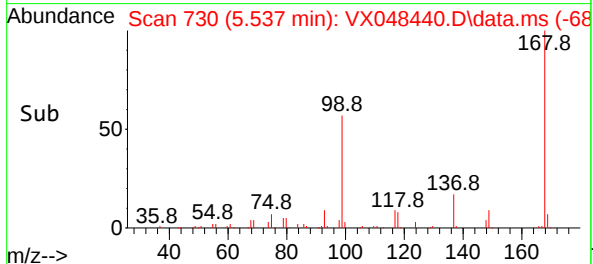
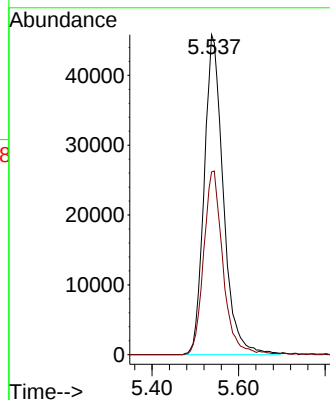
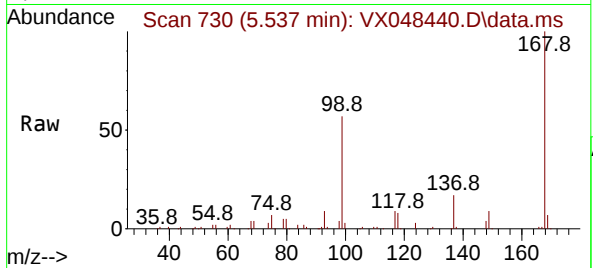




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

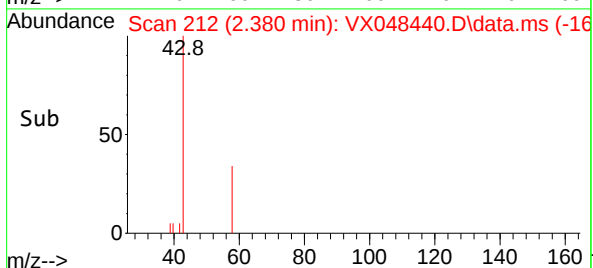
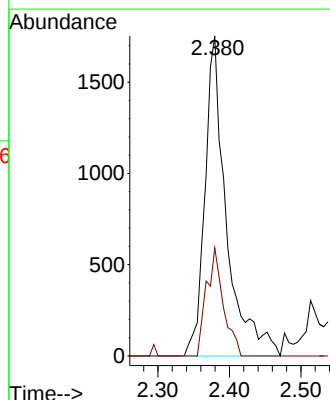
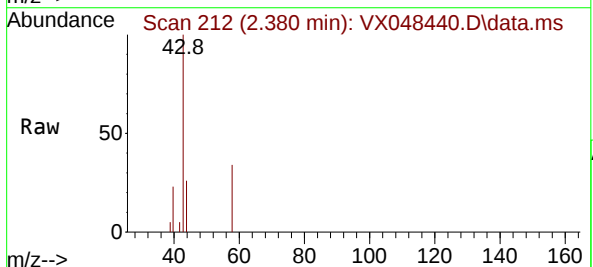
Instrument :
MSVOA_X
ClientSampleId :
SW-1

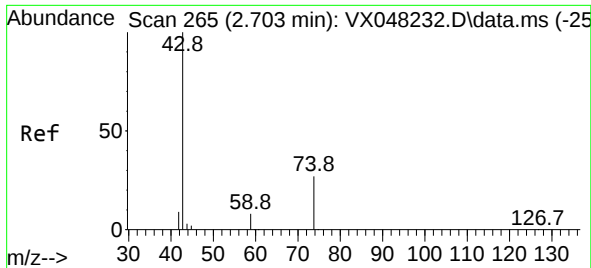
Tgt Ion:168 Resp: 140573
Ion Ratio Lower Upper
168 100
99 57.1 46.4 69.6



#16
Acetone
Concen: 7.994 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
58 33.8 23.4 35.2

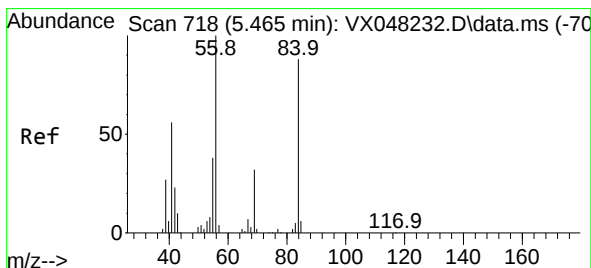
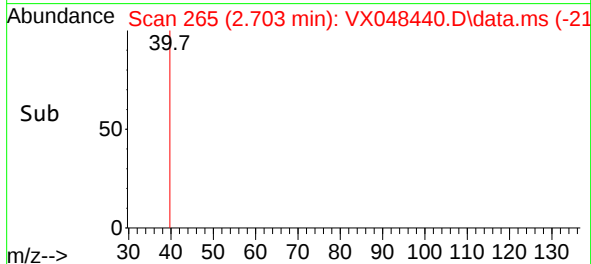
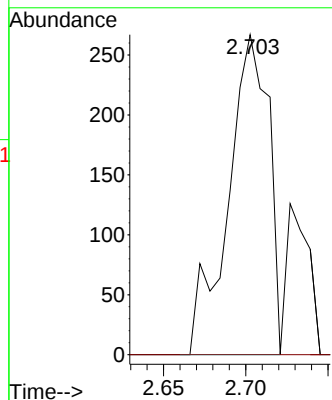
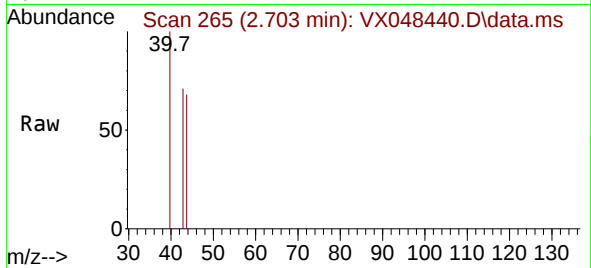




#18
Methyl Acetate
Concen: 0.300 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

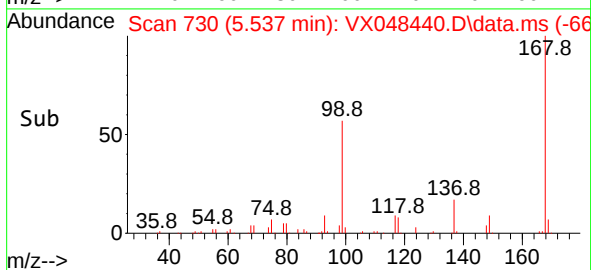
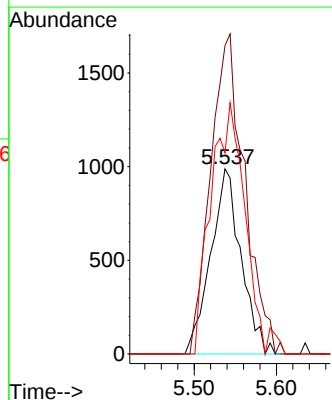
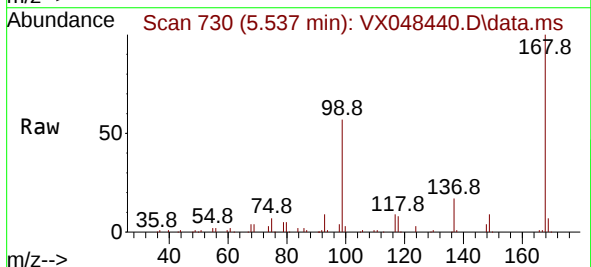
Instrument :
MSVOA_X
ClientSampleId :
SW-1

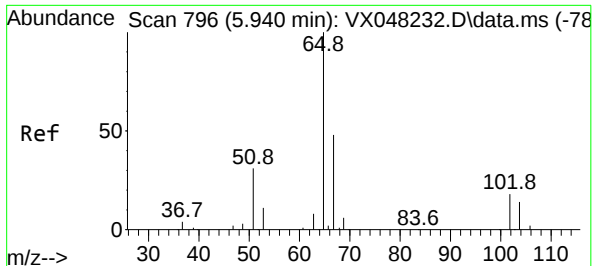
Tgt Ion: 43 Resp: 460
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 0.903 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

Tgt Ion: 56 Resp: 2524
Ion Ratio Lower Upper
56 100
69 166.6 23.0 34.6#
84 108.7 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.209 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048440.D

Acq: 31 Oct 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

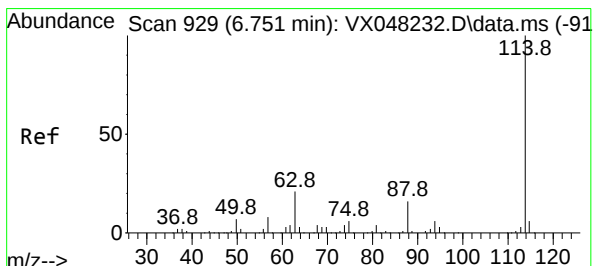
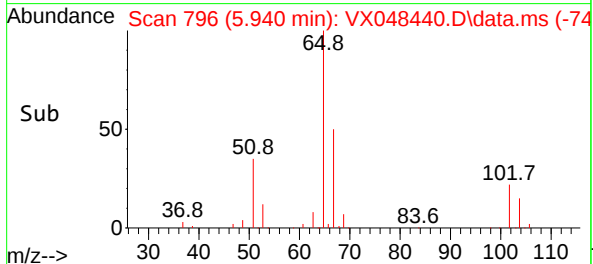
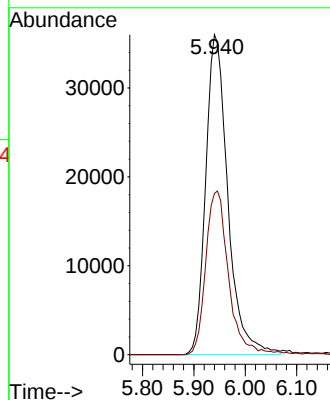
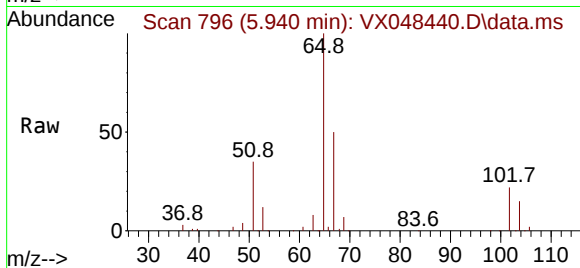
SW-1

Tgt Ion: 65 Resp: 107570

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048440.D

Acq: 31 Oct 2025 17:54

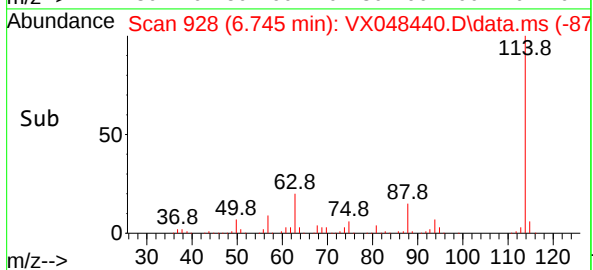
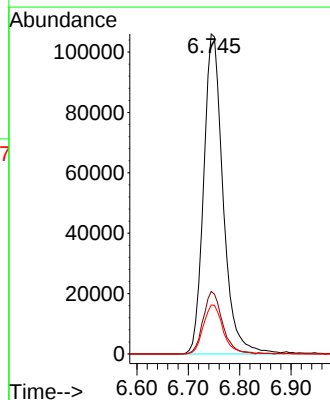
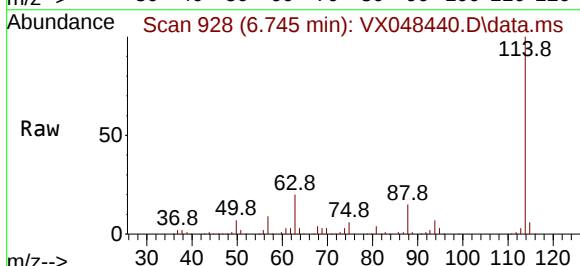
Tgt Ion: 114 Resp: 277552

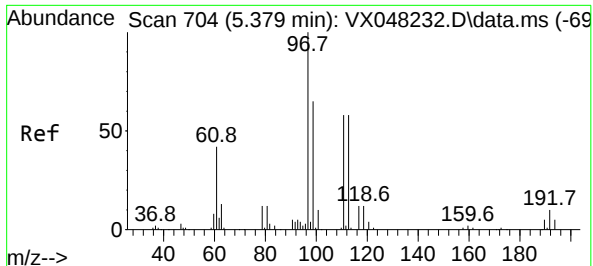
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 15.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.029 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX048440.D

Acq: 31 Oct 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

SW-1

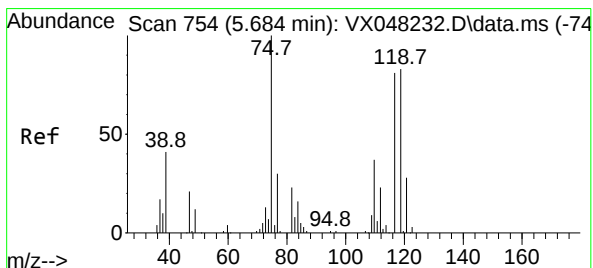
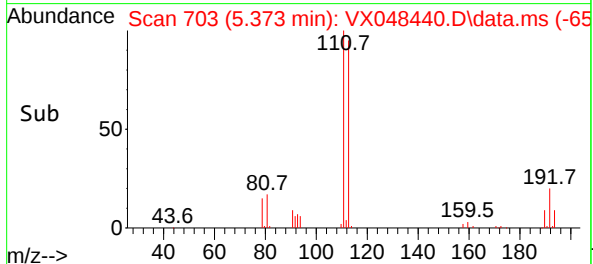
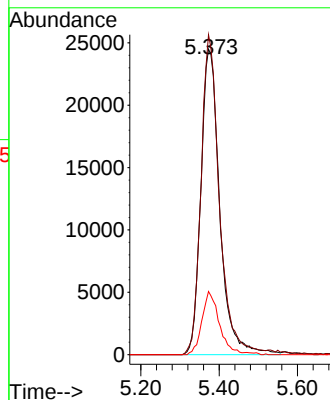
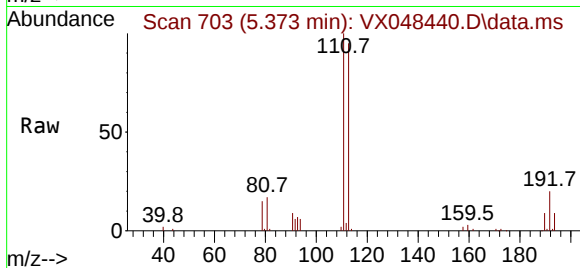
Tgt Ion:113 Resp: 82332

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 19.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 3.948 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX048440.D

Acq: 31 Oct 2025 17:54

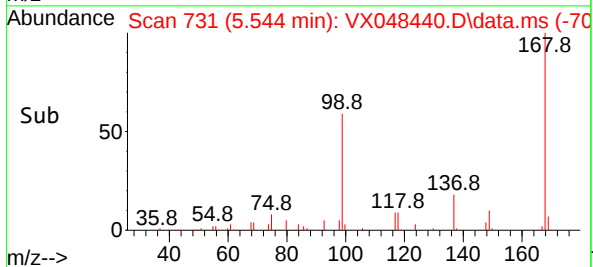
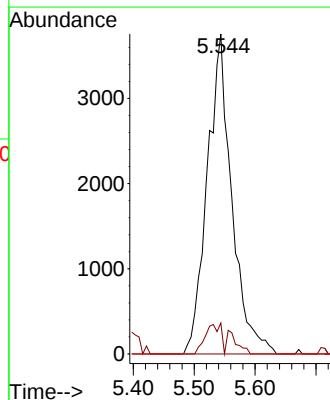
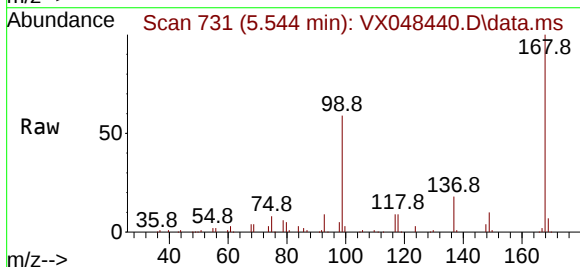
Tgt Ion: 75 Resp: 10492

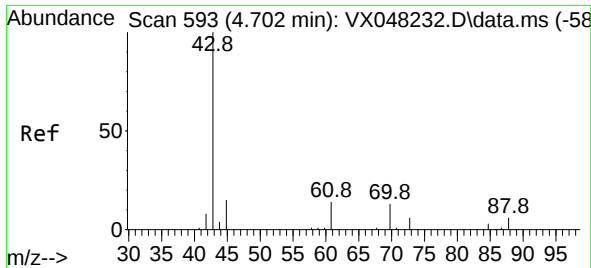
Ion Ratio Lower Upper

75 100

110 6.0 17.7 53.1#

77 0.0 24.3 36.5#

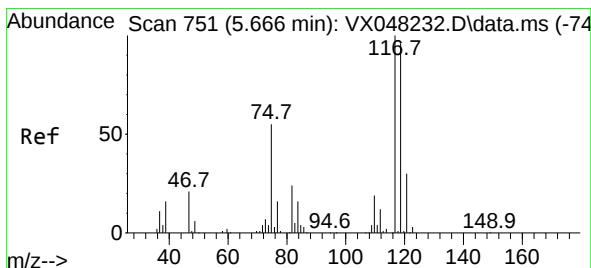
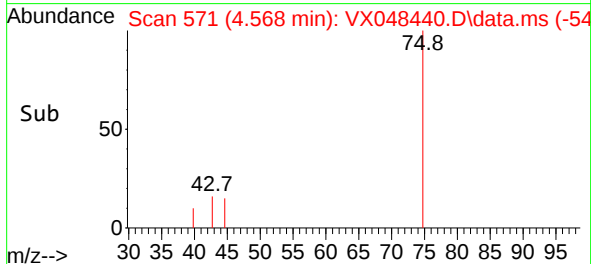
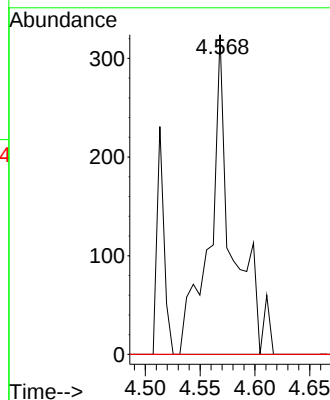
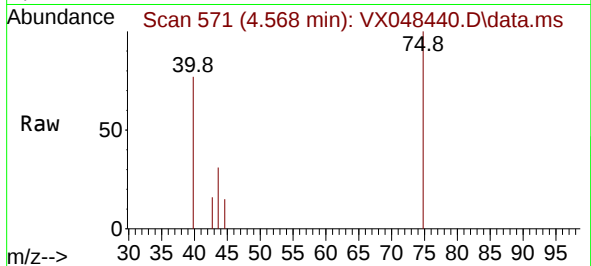




#37
Ethyl Acetate
Concen: 0.206 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.128 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

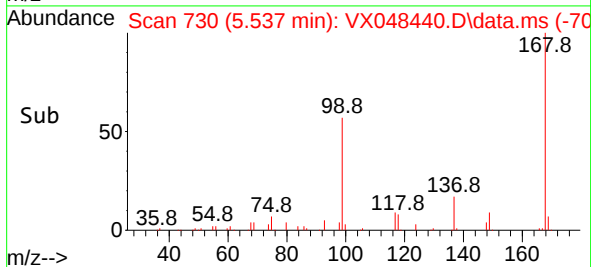
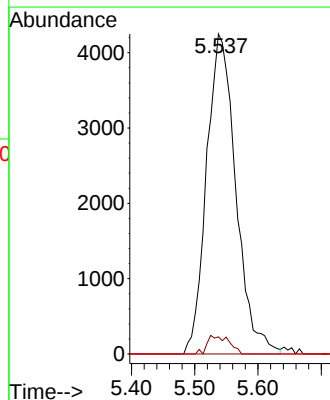
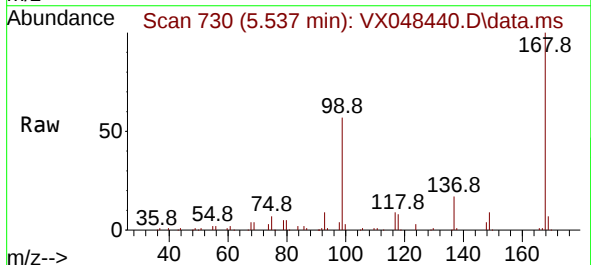
Instrument :
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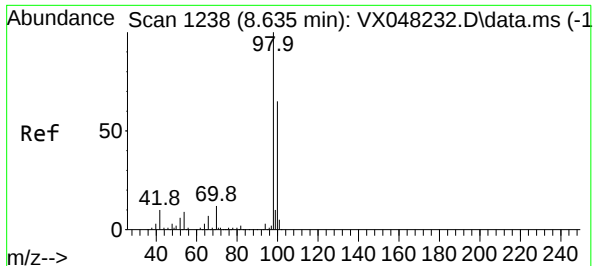
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 4.456 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

Tgt Ion: 117 Resp: 13672
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.265 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048440.D

Acq: 31 Oct 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

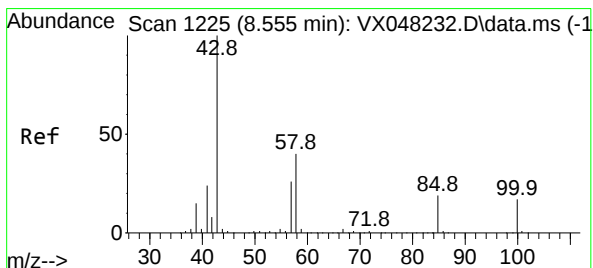
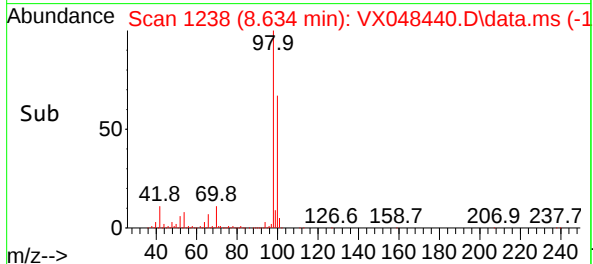
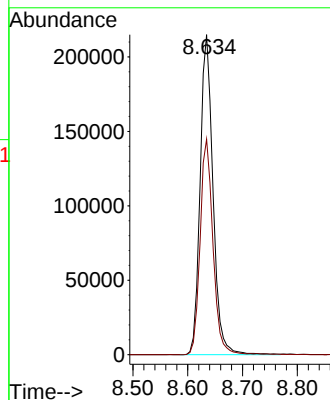
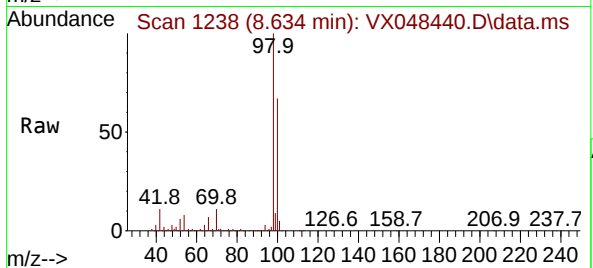
SW-1

Tgt Ion: 98 Resp: 351112

Ion Ratio Lower Upper

98 100

100 67.6 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 0.377 ug/l

RT: 8.567 min Scan# 1227

Delta R.T. 0.012 min

Lab File: VX048440.D

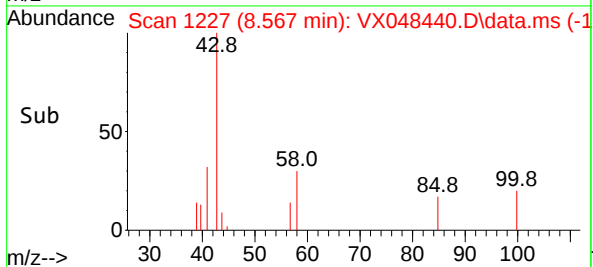
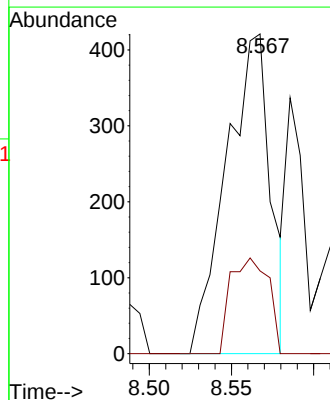
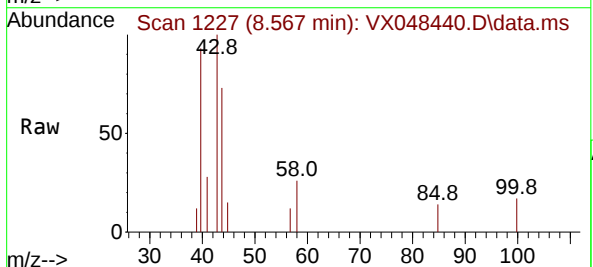
Acq: 31 Oct 2025 17:54

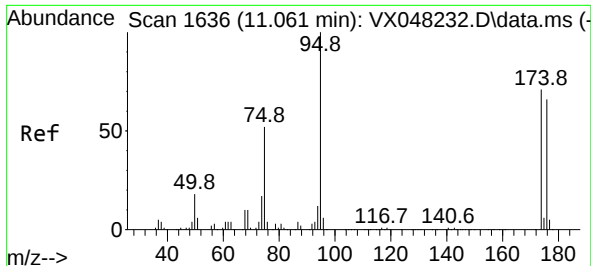
Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

43 100

58 25.8 29.5 44.3#

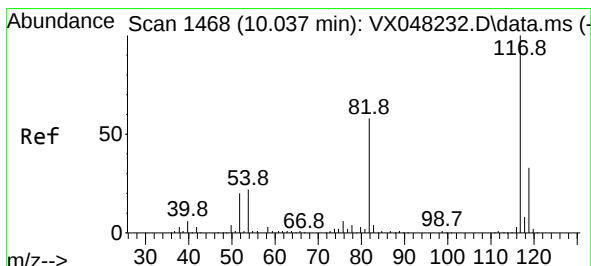
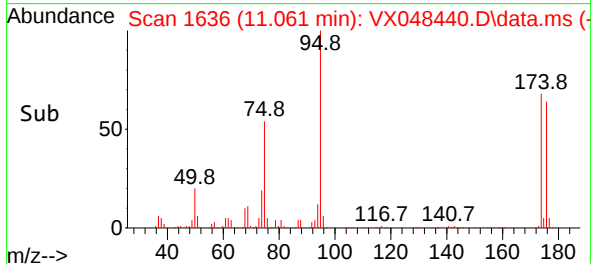
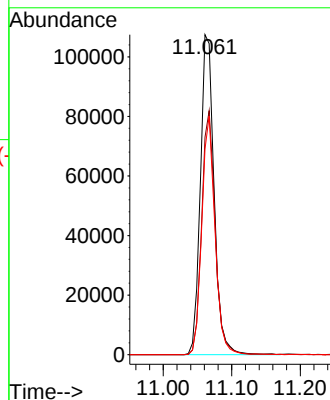
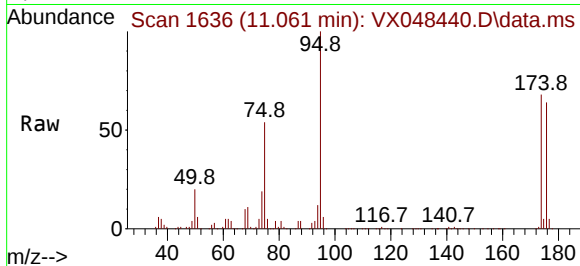




#62
4-Bromofluorobenzene
Concen: 57.494 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

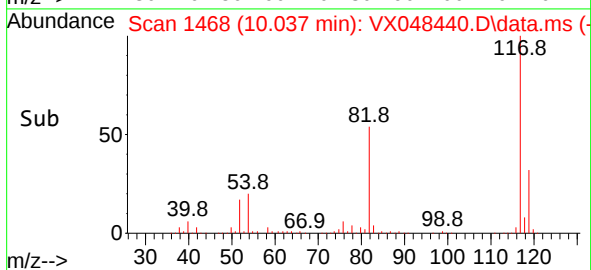
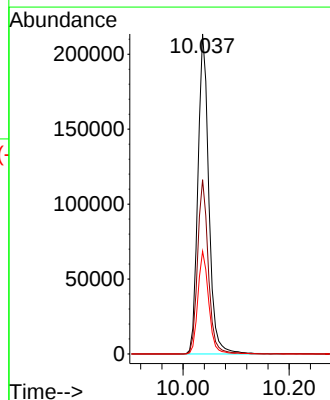
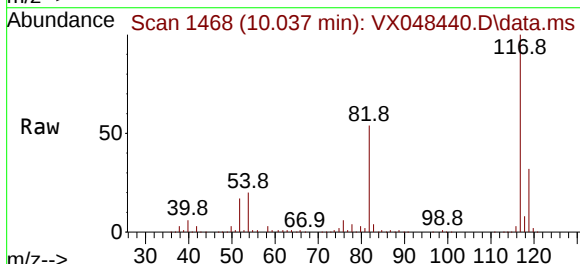
Instrument :
MSVOA_X
ClientSampleId :
SW-1

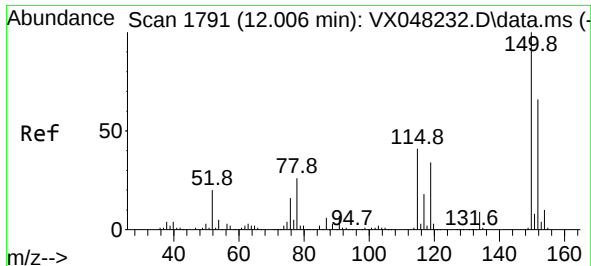
Tgt Ion: 95 Resp: 150235
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.8
176 71.7 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

Tgt Ion: 117 Resp: 304691
Ion Ratio Lower Upper
117 100
82 54.5 46.5 69.7
119 32.1 25.9 38.9

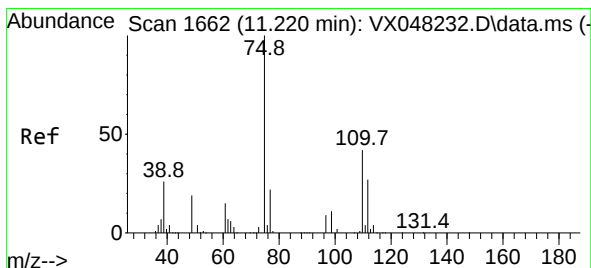
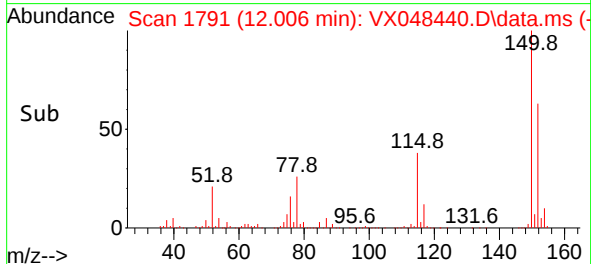
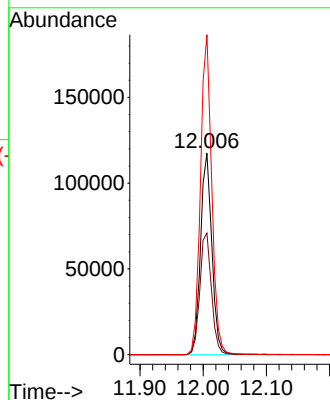
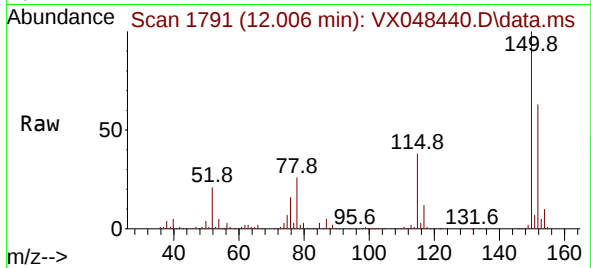




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048440.D
 Acq: 31 Oct 2025 17:54

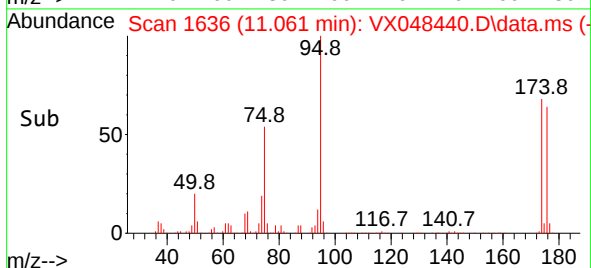
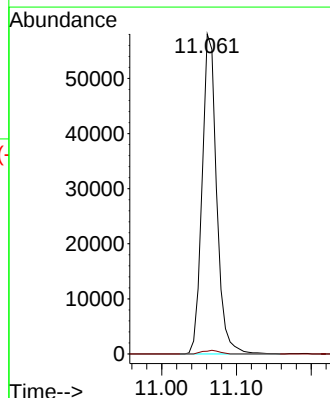
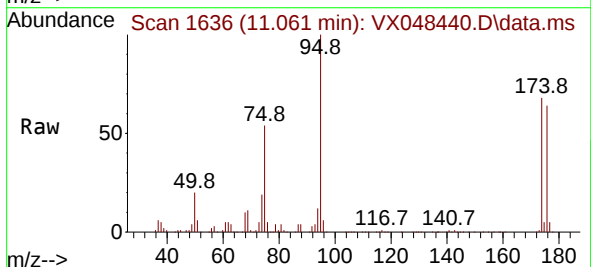
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-1

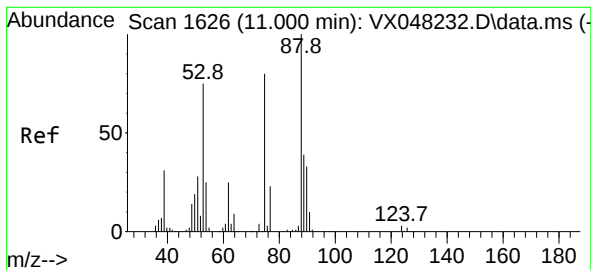
Tgt Ion:152 Resp: 147012
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.1 129.4
 150 157.4 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 37.143 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048440.D
 Acq: 31 Oct 2025 17:54

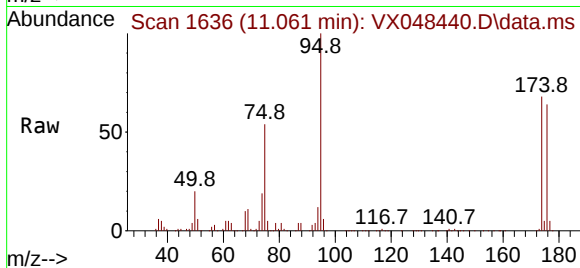
Tgt Ion: 75 Resp: 78529
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.4 67.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.538 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048440.D
Acq: 31 Oct 2025 17:54

Instrument :
MSVOA_X
ClientSampleId :
SW-1



Tgt Ion: 75 Resp: 78529
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

