

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038989.D
 Acq On : 21 Aug 2025 18:35
 Operator : SY/MD
 Sample : Q2929-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:35:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

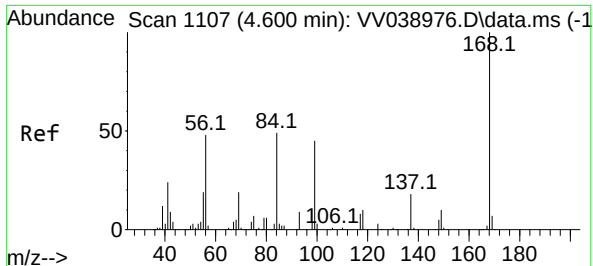
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.603	168	572135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	998031	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	873273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	311666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	394209	49.104	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	98.200%		
35) Dibromofluoromethane	4.503	113	338488	45.224	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	90.440%		
50) Toluene-d8	7.236	98	1154493	44.234	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	88.460%#		
62) 4-Bromofluorobenzene	10.001	95	362446	37.961	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	75.920%#		
Target Compounds						
13) Acrolein	2.011	56	201	Below Cal	#	47
16) Acetone	2.124	43	23169	7.191	ug/l	90
18) Methyl Acetate	2.230	43	1556	0.228	ug/l #	45
28) Bromochloromethane	4.165	49	22	Below Cal	#	3
31) Cyclohexane	4.606	56	11584	1.030	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	43527	4.478	ug/l #	48
38) Carbon Tetrachloride	4.600	117	57546	4.421	ug/l #	16
56) Ethyl methacrylate	7.657	69	65	2.320	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.892	63	66	4.996	ug/l #	43
59) 2-Hexanone	8.062	43	161	10.913	ug/l	88
76) 1,2,3-Trichloropropane	10.001	75	181471	31.391	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	181471	72.070	ug/l #	14

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

Quant Time: Aug 22 04:35:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

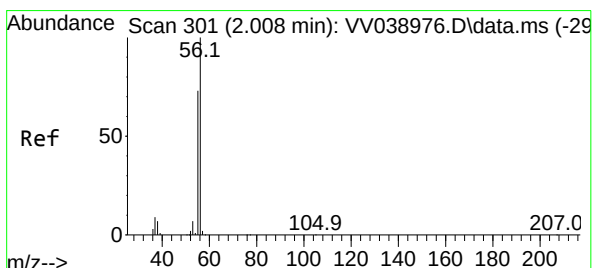
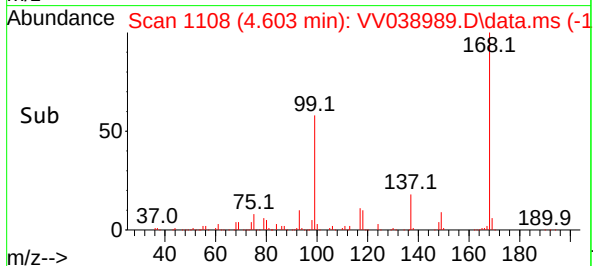
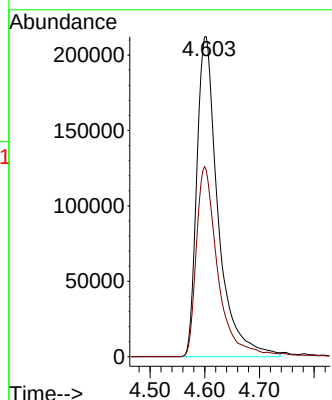
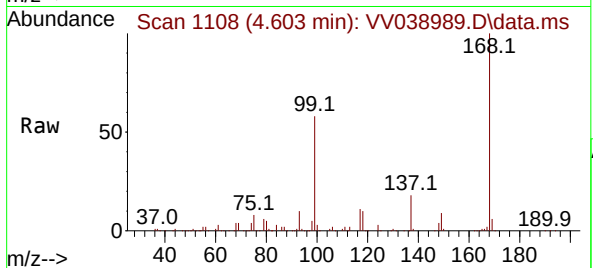




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

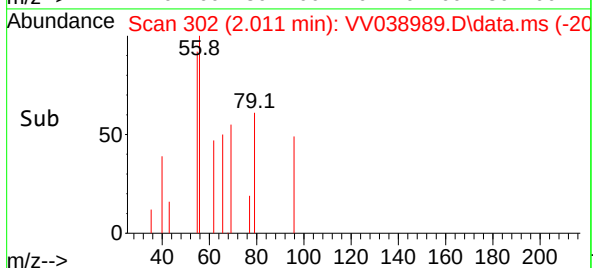
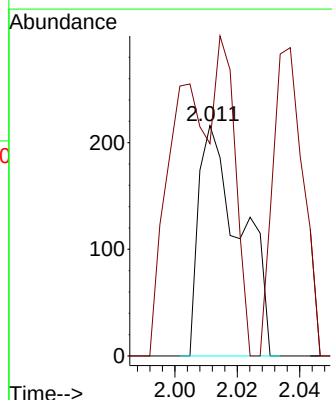
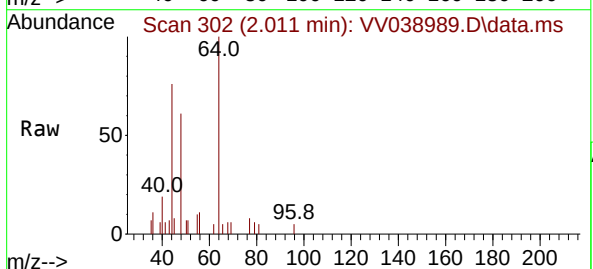
Instrument :
MSVOA_V
ClientSampleId :

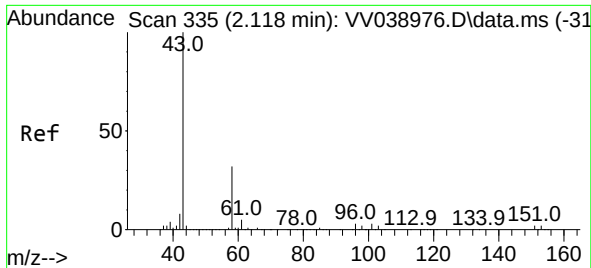
Tgt Ion:168 Resp: 572135
Ion Ratio Lower Upper
168 100
99 58.3 47.0 70.6



#13
Acrolein
Concen: Below Cal
RT: 2.011 min Scan# 302
Delta R.T. 0.003 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

Tgt Ion: 56 Resp: 201
Ion Ratio Lower Upper
56 100
55 118.4 58.8 88.2#





#16

Acetone

Concen: 7.191 ug/l

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV038989.D

Acq: 21 Aug 2025 18:35

Instrument :

MSVOA_V

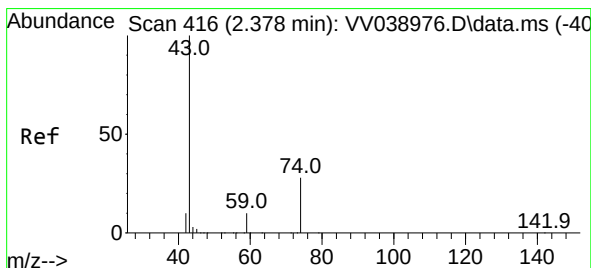
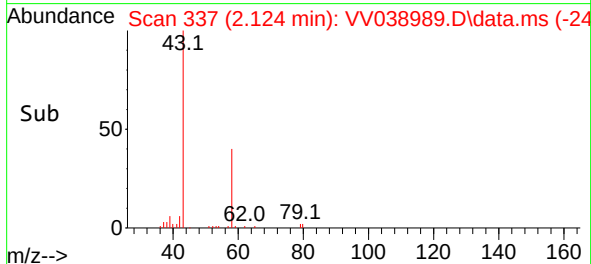
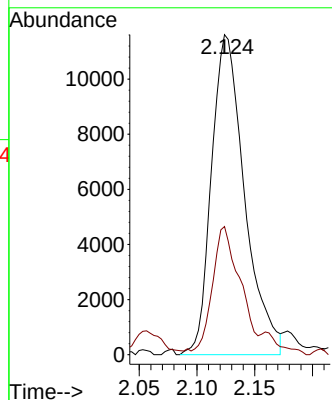
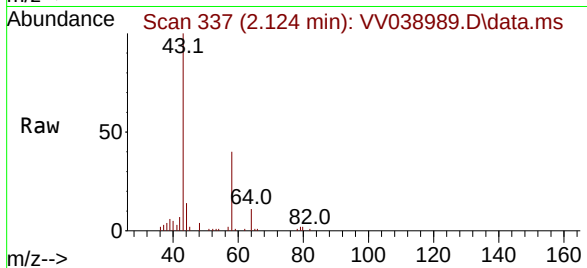
ClientSampleId :

Tgt Ion: 43 Resp: 23169

Ion Ratio Lower Upper

43 100

58 38.8 26.3 39.5



#18

Methyl Acetate

Concen: 0.228 ug/l

RT: 2.230 min Scan# 370

Delta R.T. -0.148 min

Lab File: VV038989.D

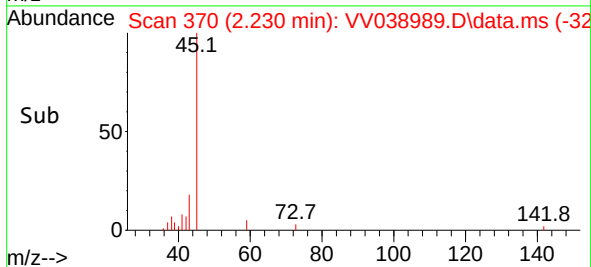
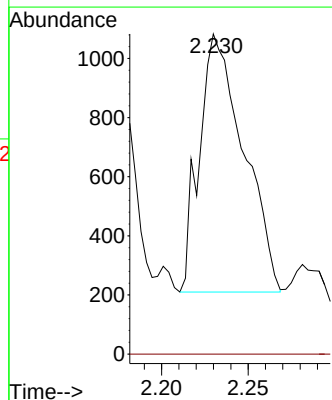
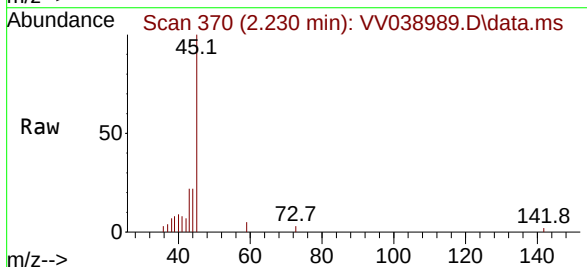
Acq: 21 Aug 2025 18:35

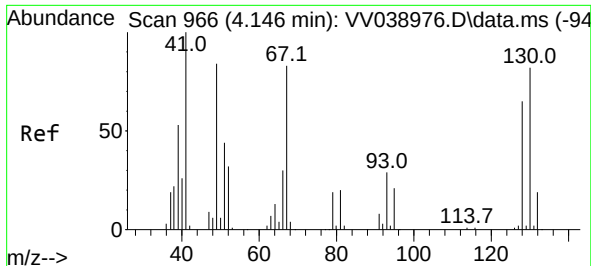
Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

74 0.0 23.5 35.3#

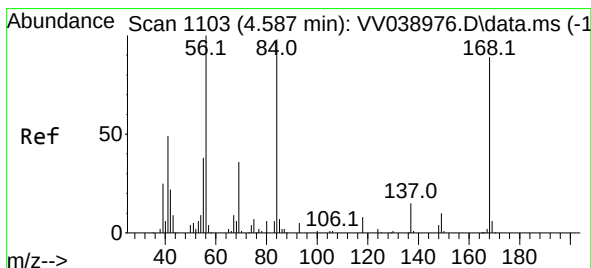
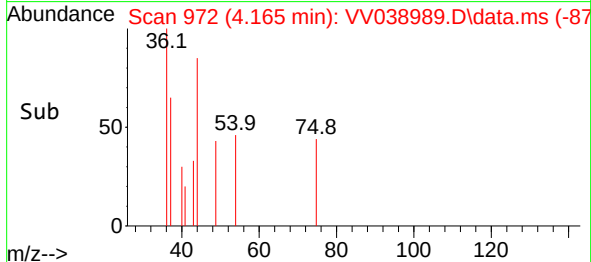
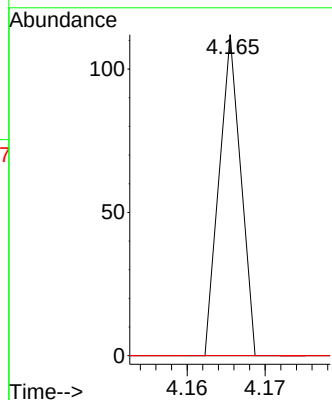
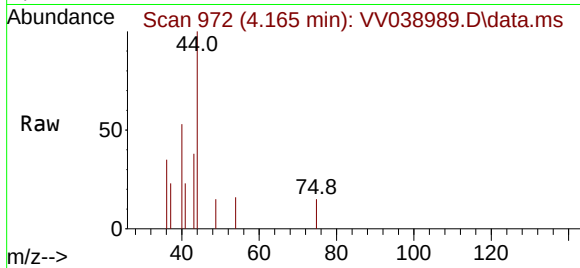




#28
Bromochloromethane
Concen: Below Cal
RT: 4.165 min Scan# 91
Delta R.T. 0.019 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

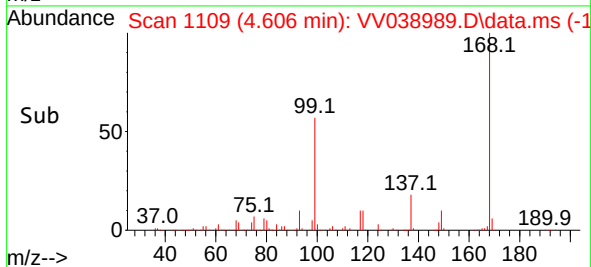
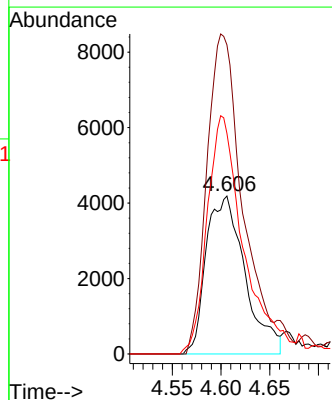
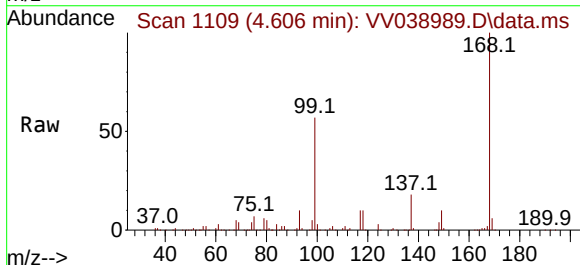
Instrument :
MSVOA_V
ClientSampleId :

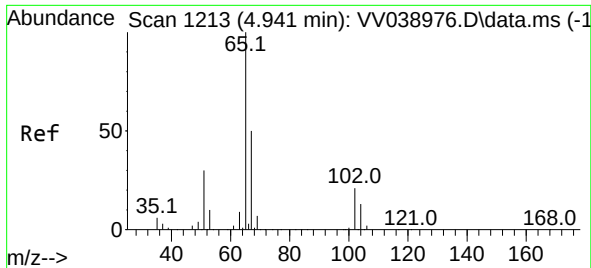
Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 78.2 117.2#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 4.606 min Scan# 1109
Delta R.T. 0.019 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

Tgt Ion: 56 Resp: 11584
Ion Ratio Lower Upper
56 100
69 195.6 28.6 42.8#
84 139.6 78.1 117.1#

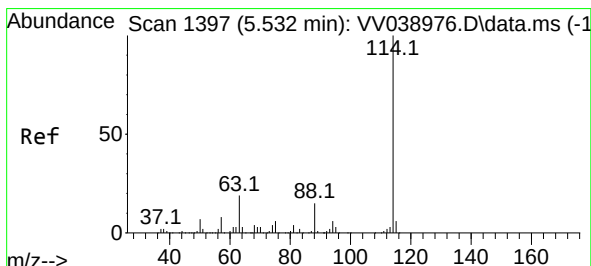
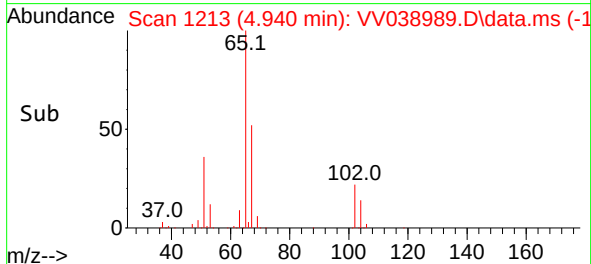
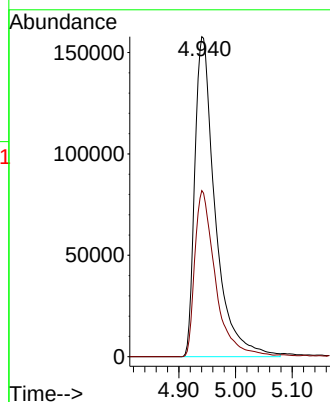
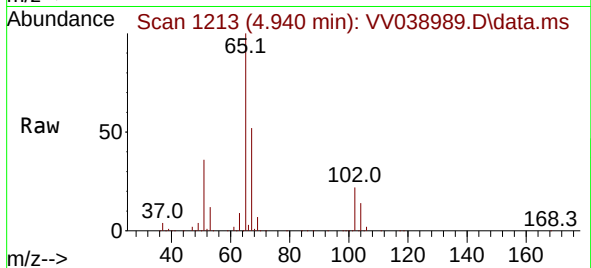




#33
 1,2-Dichloroethane-d4
 Concen: 49.104 ug/l
 RT: 4.940 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VV038989.D
 Acq: 21 Aug 2025 18:35

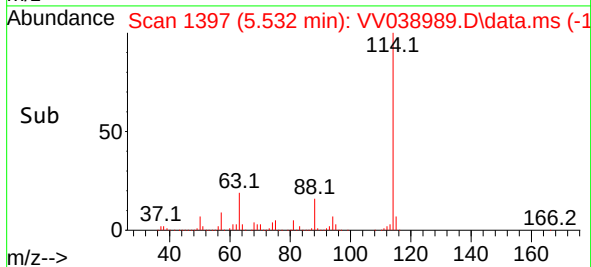
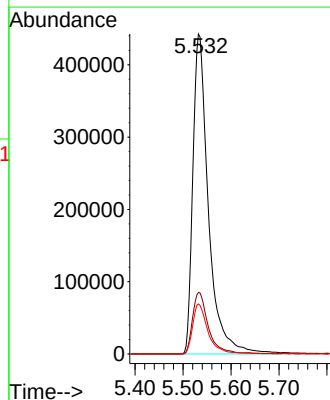
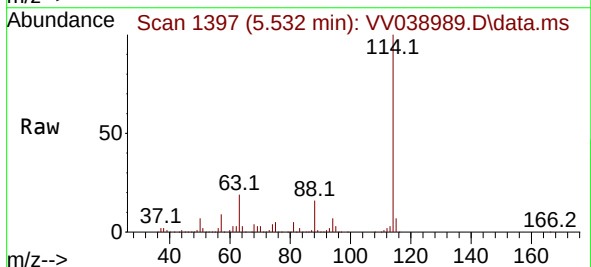
Instrument :
 MSVOA_V
 ClientSampleId :

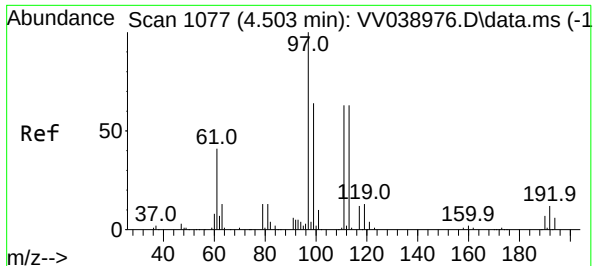
Tgt Ion: 65 Resp: 394209
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 100.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.532 min Scan# 1397
 Delta R.T. -0.000 min
 Lab File: VV038989.D
 Acq: 21 Aug 2025 18:35

Tgt Ion: 114 Resp: 998031
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 45.224 ug/l

RT: 4.503 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV038989.D

Acq: 21 Aug 2025 18:35

Instrument :

MSVOA_V

ClientSampleId :

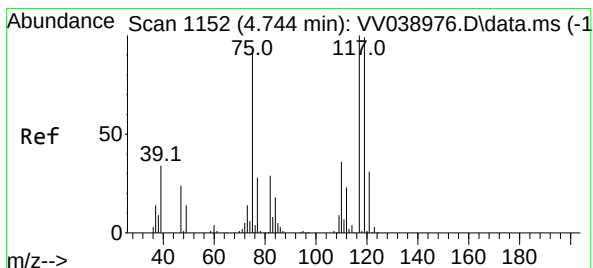
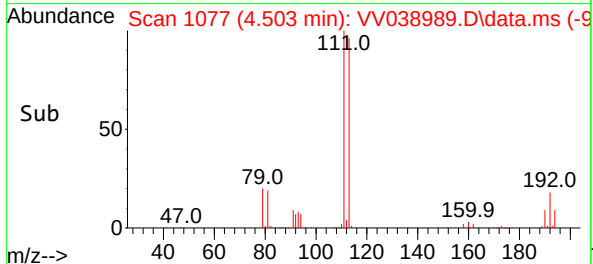
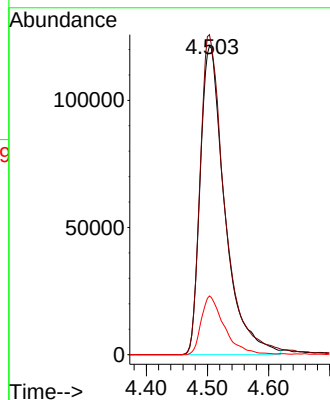
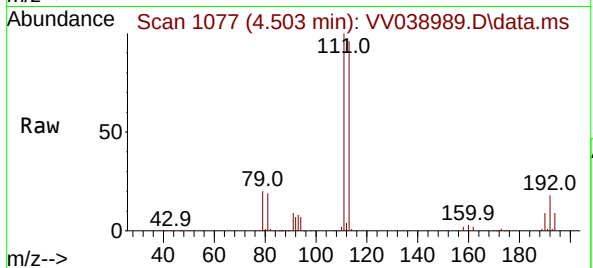
Tgt Ion:113 Resp: 338488

Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 17.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.478 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.145 min

Lab File: VV038989.D

Acq: 21 Aug 2025 18:35

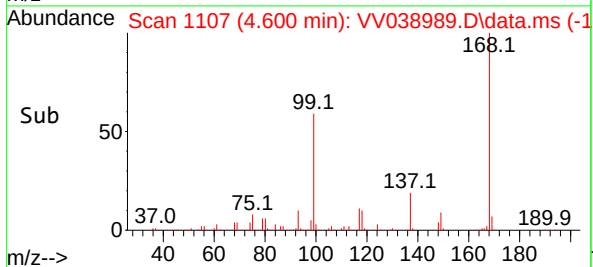
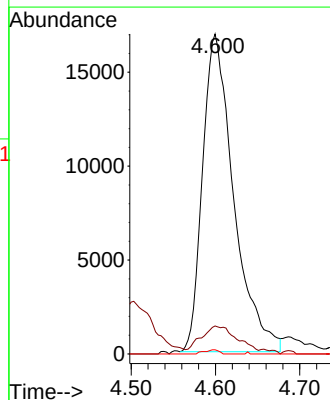
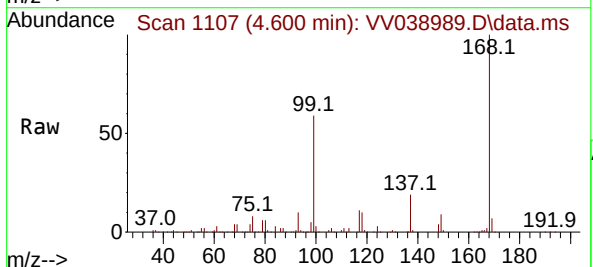
Tgt Ion: 75 Resp: 43527

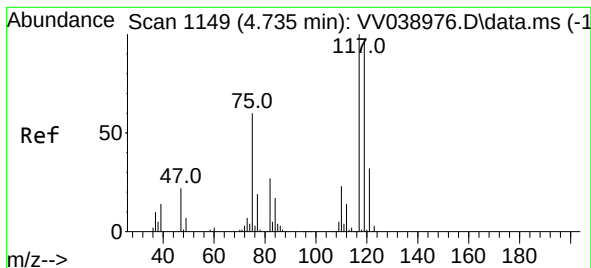
Ion Ratio Lower Upper

75 100

110 8.6 19.6 58.7#

77 0.6 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.421 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.135 min

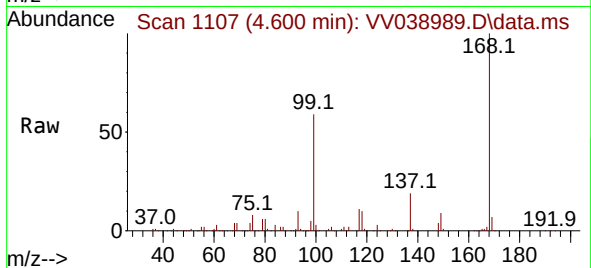
Lab File: VV038989.D

Acq: 21 Aug 2025 18:35

Instrument :

MSVOA_V

ClientSampleId :



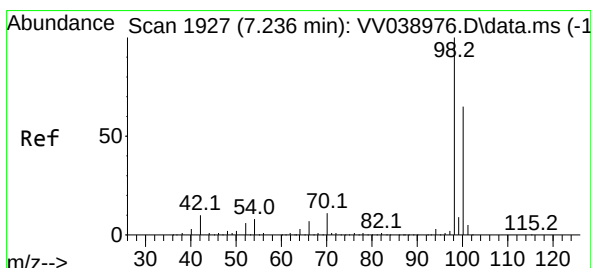
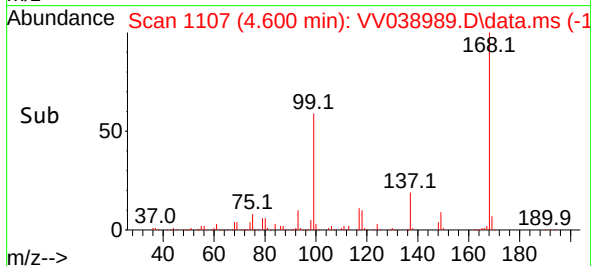
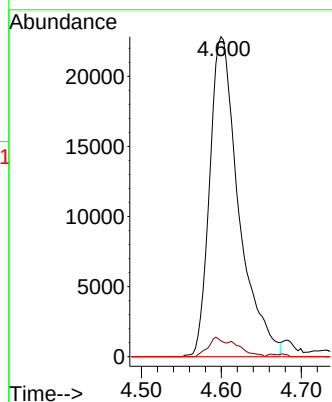
Tgt Ion:117 Resp: 57546

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

121 0.0 25.4 38.2#



#50

Toluene-d8

Concen: 44.234 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV038989.D

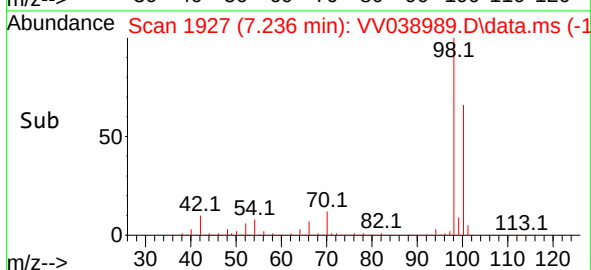
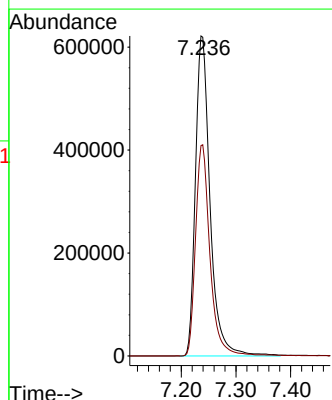
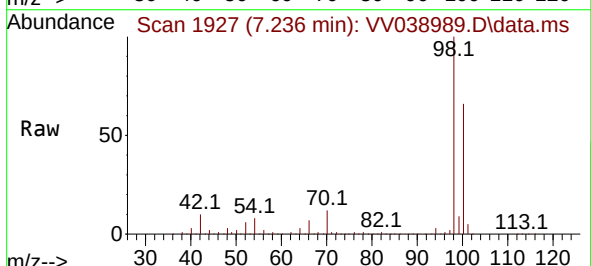
Acq: 21 Aug 2025 18:35

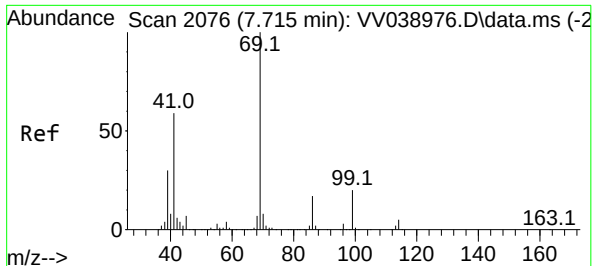
Tgt Ion: 98 Resp: 1154493

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2





#56

Ethyl methacrylate

Concen: 2.320 ug/l

RT: 7.657 min Scan# 2076

Delta R.T. -0.058 min

Lab File: VV038989.D

Acq: 21 Aug 2025 18:35

Instrument :

MSVOA_V

ClientSampleId :

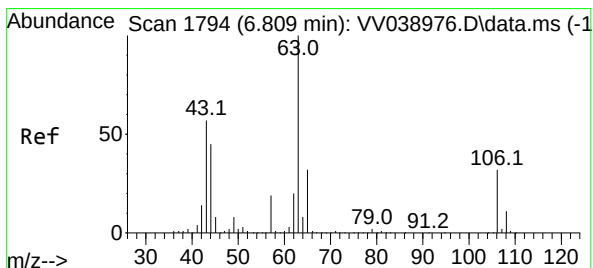
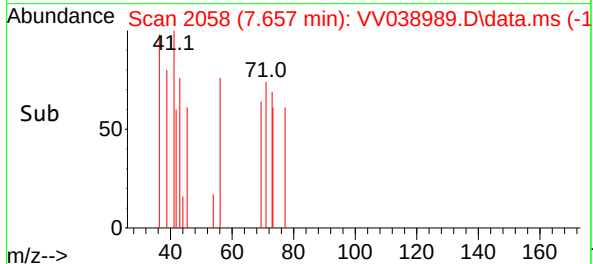
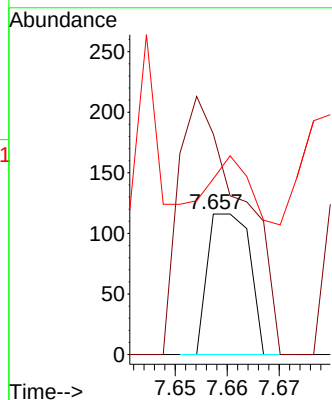
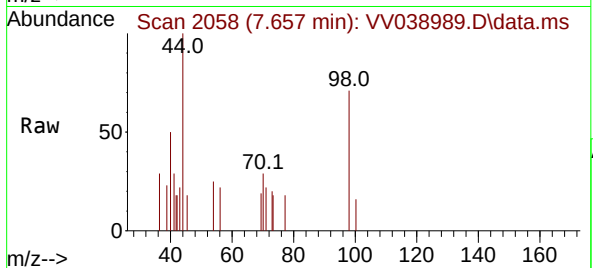
Tgt Ion: 69 Resp: 65

Ion Ratio Lower Upper

69 100

41 275.4 47.5 71.3#

39 200.0 24.2 36.2#



#58

2-Chloroethyl Vinyl ether

Concen: 4.996 ug/l

RT: 6.892 min Scan# 1820

Delta R.T. 0.083 min

Lab File: VV038989.D

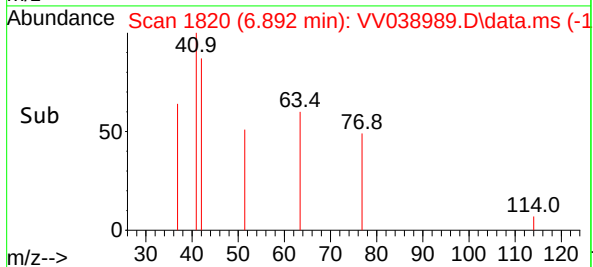
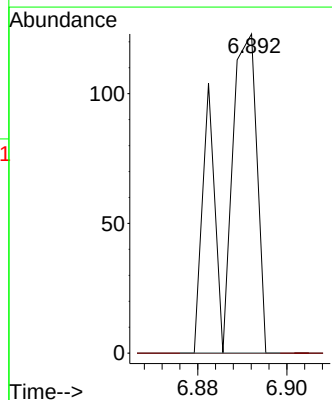
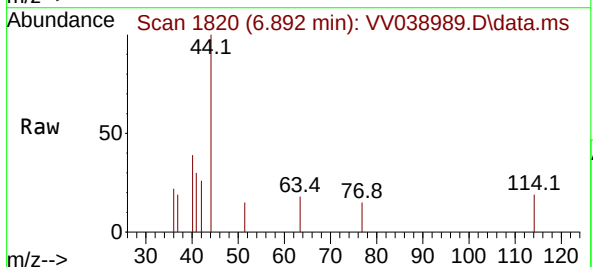
Acq: 21 Aug 2025 18:35

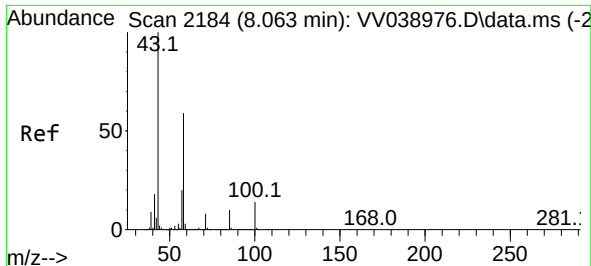
Tgt Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

106 0.0 25.6 38.4#

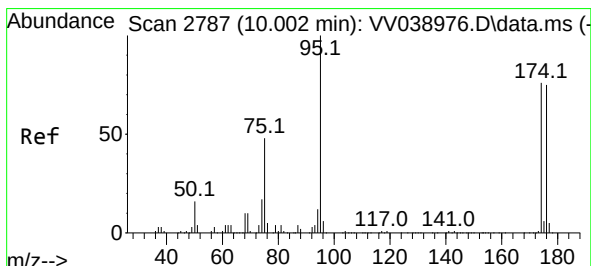
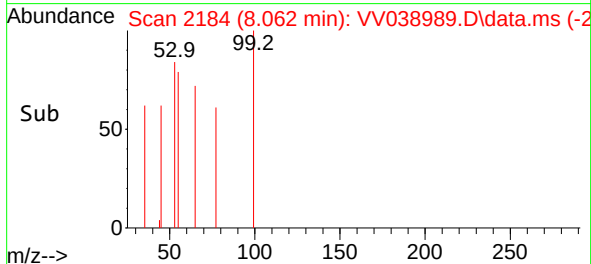
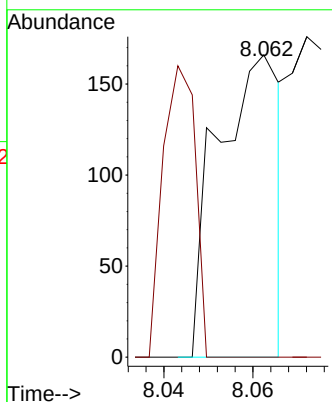
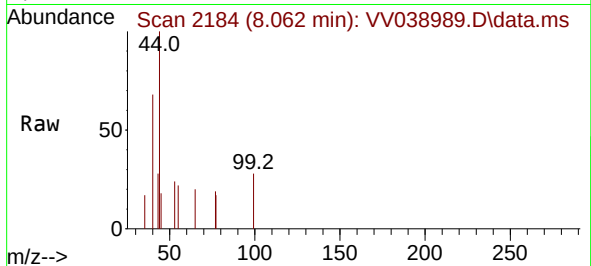




#59
2-Hexanone
Concen: 10.913 ug/l
RT: 8.062 min Scan# 2184
Delta R.T. -0.001 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

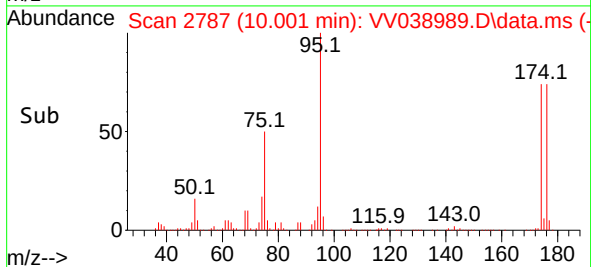
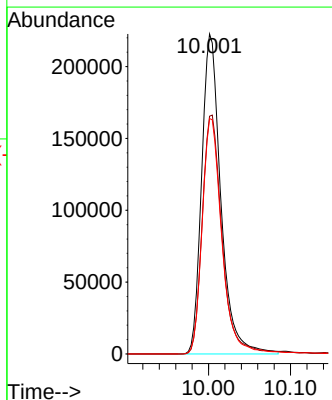
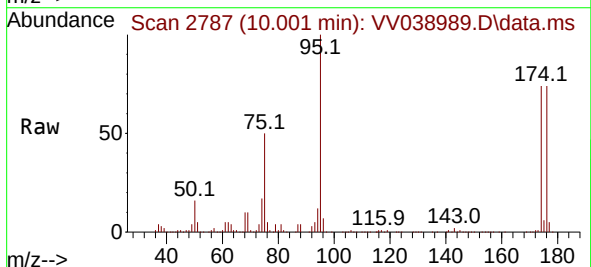
Instrument :
MSVOA_V
ClientSampleId :

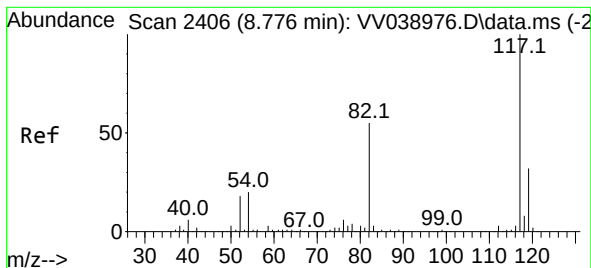
Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
58 50.3 29.8 89.4



#62
4-Bromofluorobenzene
Concen: 37.961 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

Tgt Ion: 95 Resp: 362446
Ion Ratio Lower Upper
95 100
174 77.3 0.0 154.4
176 75.2 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2406

Delta R.T. 0.000 min

Lab File: VV038989.D

Acq: 21 Aug 2025 18:35

Instrument :

MSVOA_V

ClientSampleId :

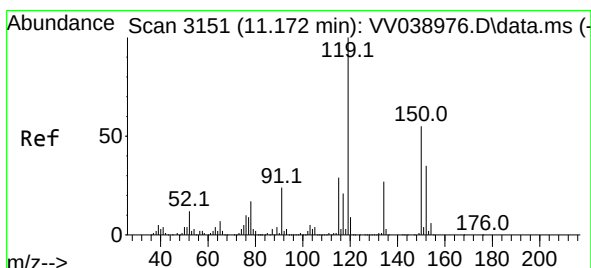
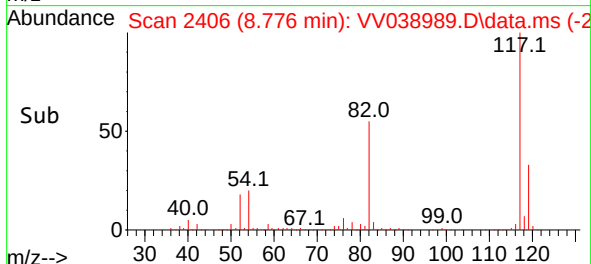
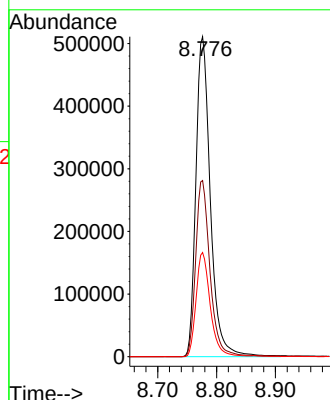
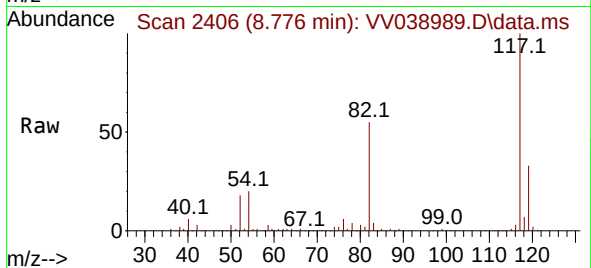
Tgt Ion:117 Resp: 873273

Ion Ratio Lower Upper

117 100

82 55.0 44.4 66.6

119 32.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV038989.D

Acq: 21 Aug 2025 18:35

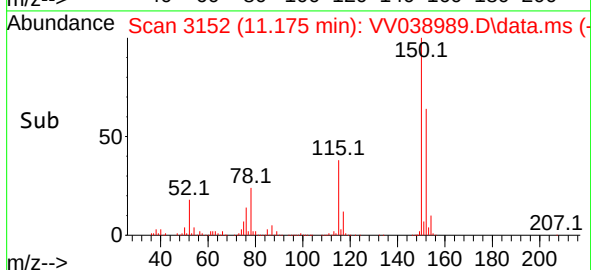
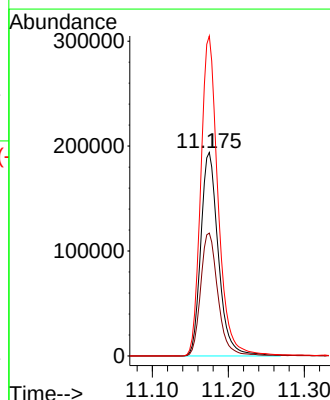
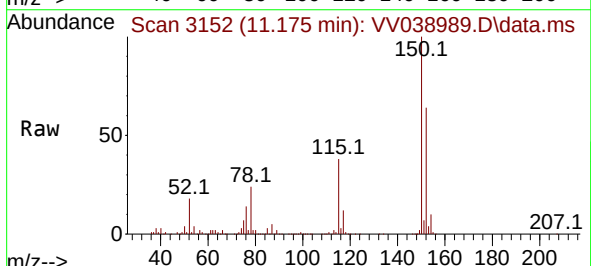
Tgt Ion:152 Resp: 311666

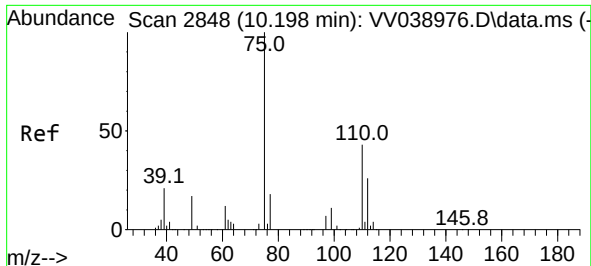
Ion Ratio Lower Upper

152 100

115 59.4 42.5 127.5

150 155.4 0.0 344.8

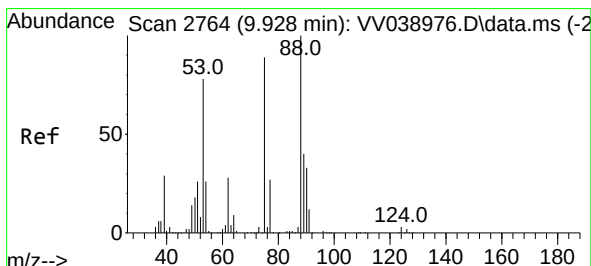
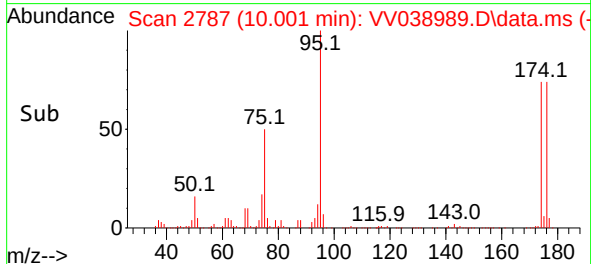
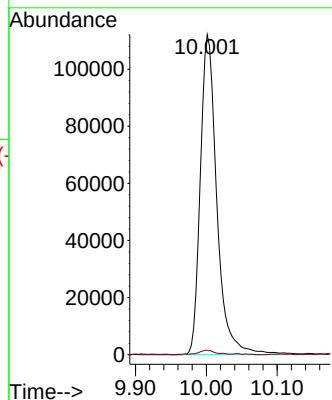
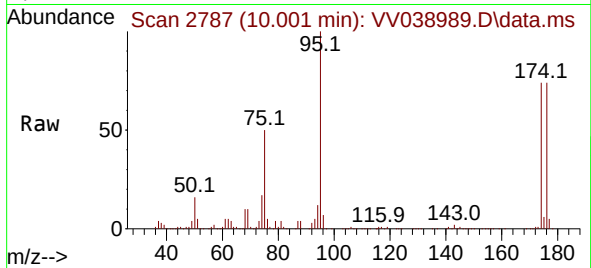




#76
1,2,3-Trichloropropane
Concen: 31.391 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.196 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 181471
Ion Ratio Lower Upper
75 100
77 1.5 11.3 33.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.070 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV038989.D
Acq: 21 Aug 2025 18:35

Tgt Ion: 75 Resp: 181471
Ion Ratio Lower Upper
75 100
53 0.2 70.3 105.5#
89 0.0 37.9 56.9#

