

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038984.D
 Acq On : 21 Aug 2025 16:34
 Operator : SY/MD
 Sample : VV0821WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:32:30 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)

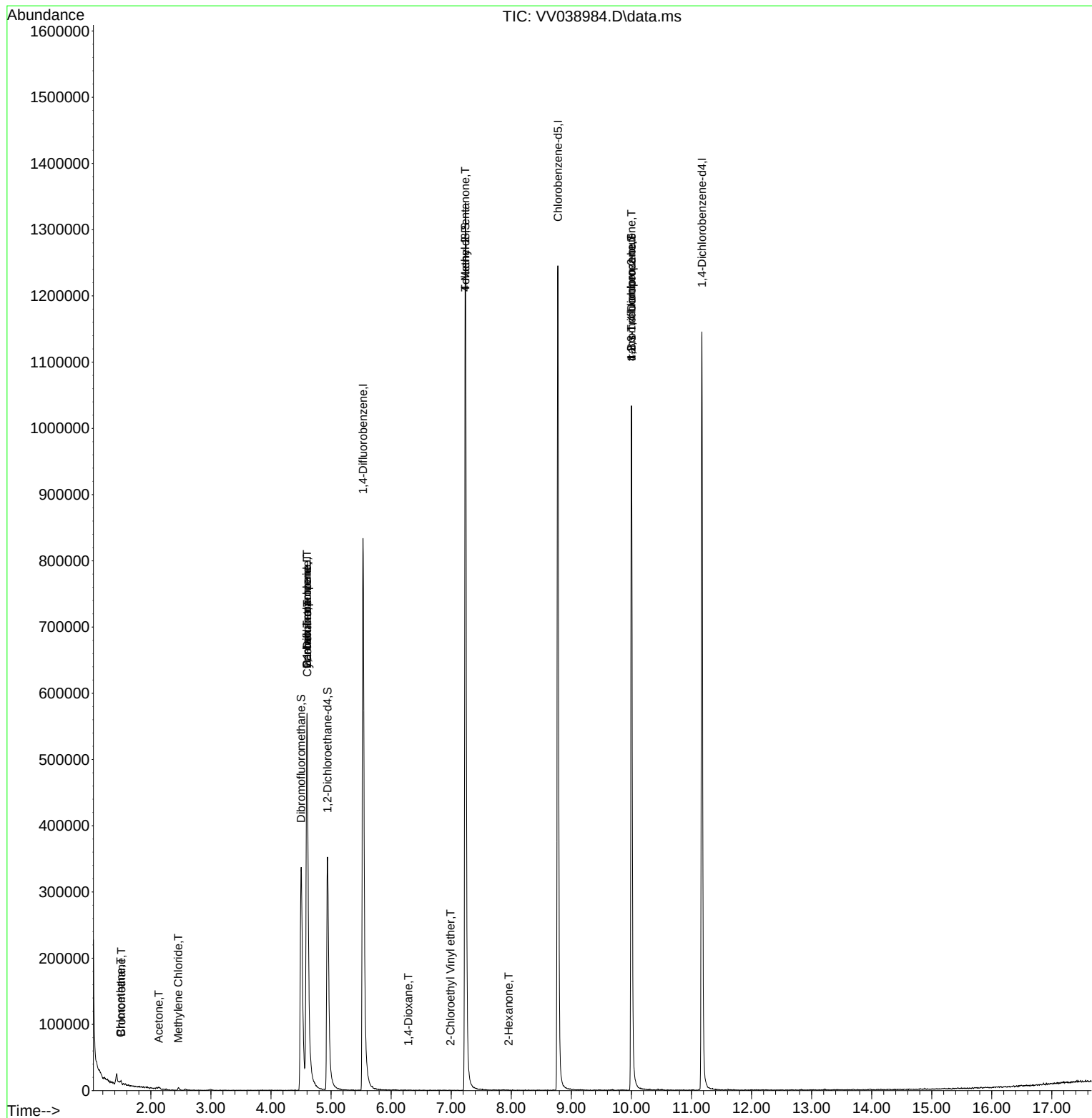
Internal Standards						
1) Pentafluorobenzene	4.600	168	502511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	836910	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	730493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	318475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	339699	48.177	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	96.360%
35) Dibromofluoromethane	4.503	113	274834	43.789	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	87.580%
50) Toluene-d8	7.236	98	950290	43.420	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	86.840%#
62) 4-Bromofluorobenzene	10.001	95	338753	42.310	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	84.620%#
Target Compounds						
					Qvalue	
5) Bromomethane	1.506	94	1368	0.309	ug/l #	71
6) Chloroethane	1.497	64	7074	1.696	ug/l #	41
13) Acrolein	2.037	56	22	Below Cal	#	13
16) Acetone	2.133	43	915	0.323	ug/l #	42
20) Methylene Chloride	2.458	84	2051	0.312	ug/l	86
28) Bromochloromethane	4.101	49	20	Below Cal	#	3
31) Cyclohexane	4.603	56	8690	0.879	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	37243	4.569	ug/l #	46
38) Carbon Tetrachloride	4.600	117	52703	4.828	ug/l #	15
49) 1,4-Dioxane	6.288	88	45	0.494	ug/l #	37
51) 4-Methyl-2-Pentanone	7.236	43	3582	0.449	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.989	63	64	4.998	ug/l #	43
59) 2-Hexanone	7.956	43	22	10.900	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	176543	29.886	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	176543	68.614	ug/l #	14

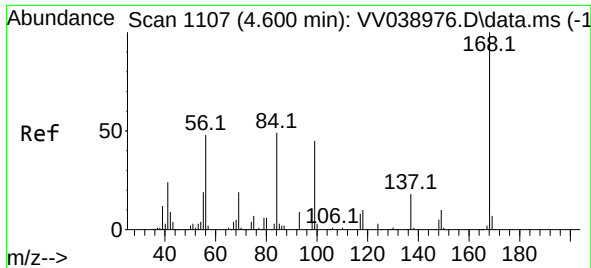
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
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ALS Vial : 13 Sample Multiplier: 1

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MSVOA_V
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Quant Time: Aug 22 04:32:30 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

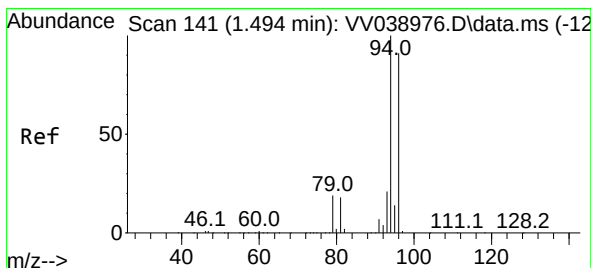
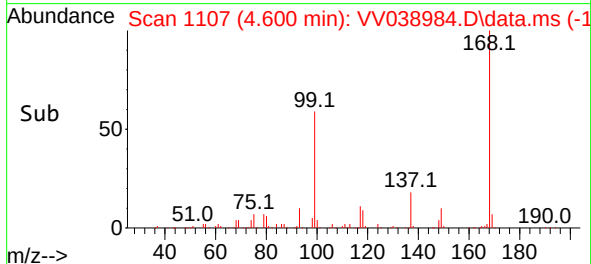
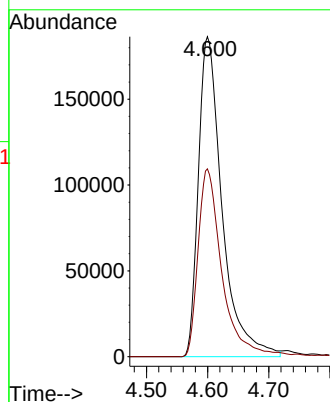
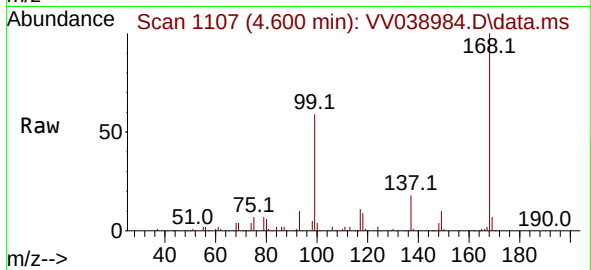




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

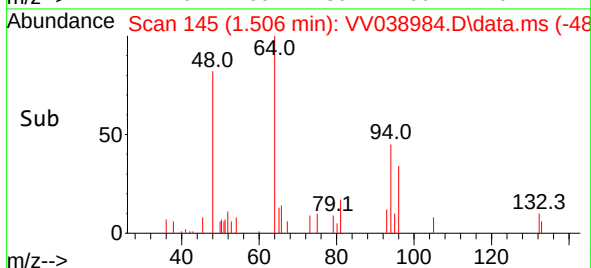
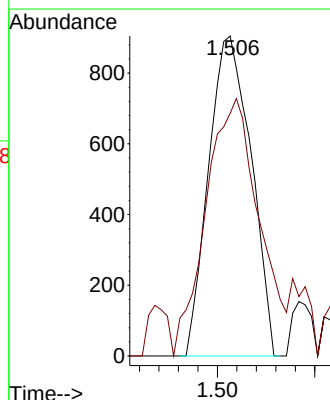
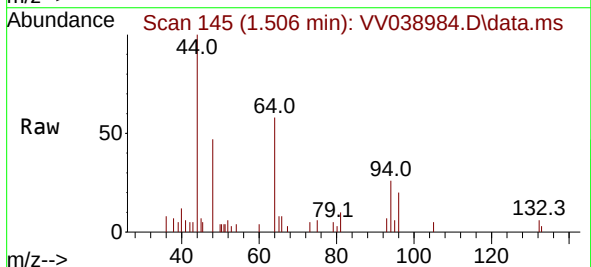
Instrument :
MSVOA_V
ClientSampleId :

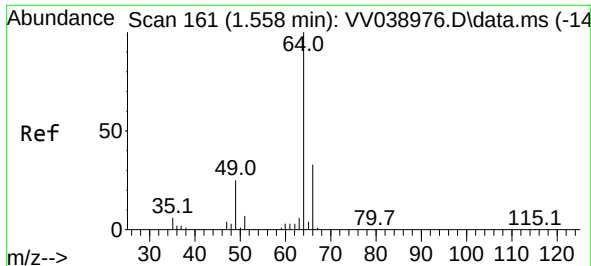
Tgt Ion:168 Resp: 502511
Ion Ratio Lower Upper
168 100
99 58.7 47.0 70.6



#5
Bromomethane
Concen: 0.309 ug/l
RT: 1.506 min Scan# 145
Delta R.T. 0.013 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 94 Resp: 1368
Ion Ratio Lower Upper
94 100
96 64.0 73.1 109.7#

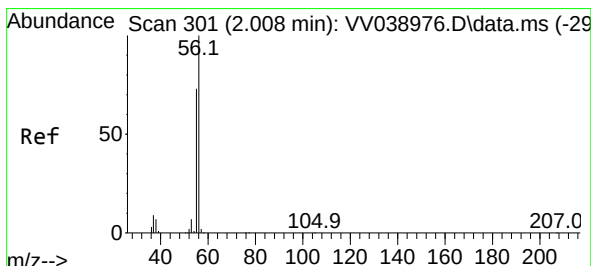
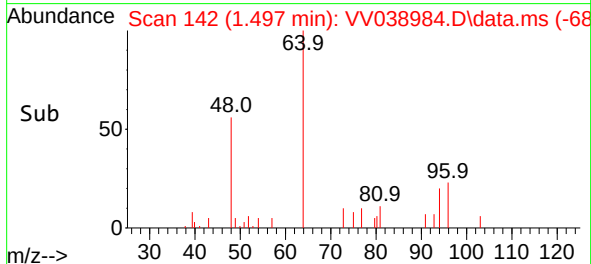
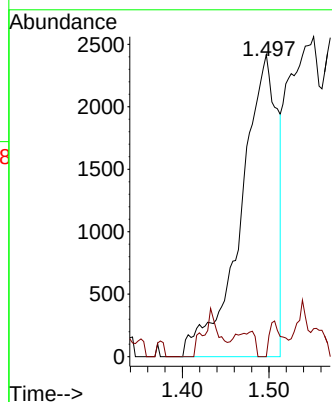
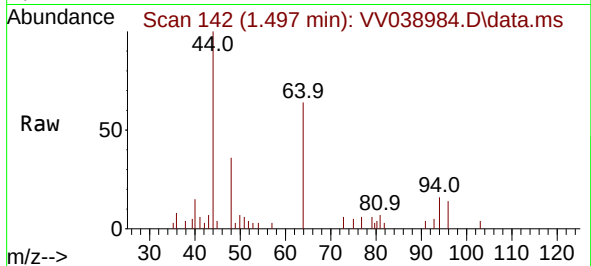




#6
Chloroethane
Concen: 1.696 ug/l
RT: 1.497 min Scan# 14
Delta R.T. -0.061 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

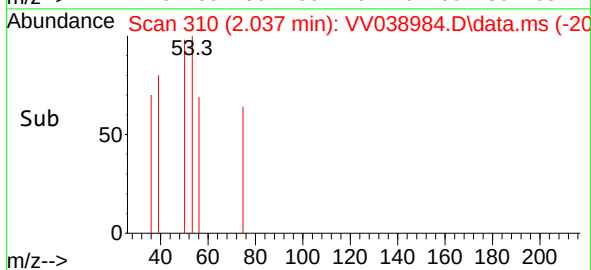
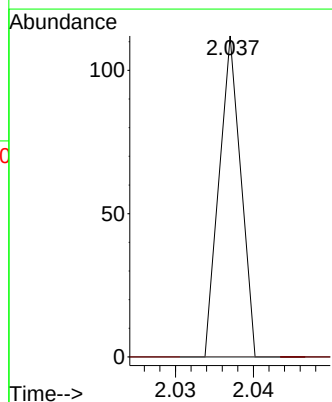
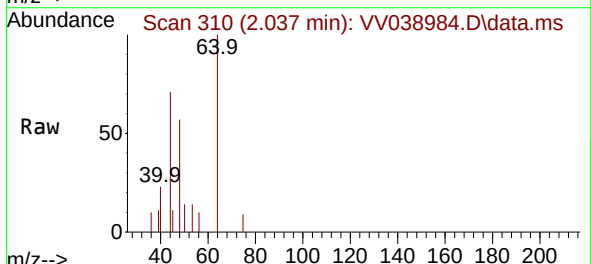
Instrument :
MSVOA_V
ClientSampleId :

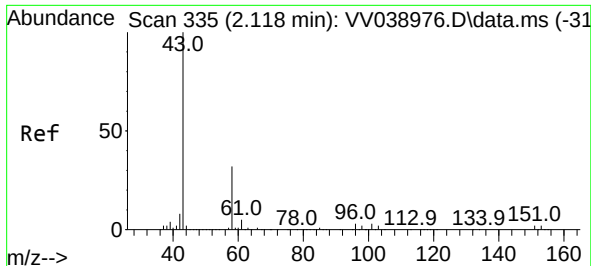
Tgt Ion: 64 Resp: 7074
Ion Ratio Lower Upper
64 100
66 0.0 26.8 40.2#



#13
Acrolein
Concen: Below Cal
RT: 2.037 min Scan# 310
Delta R.T. 0.029 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#

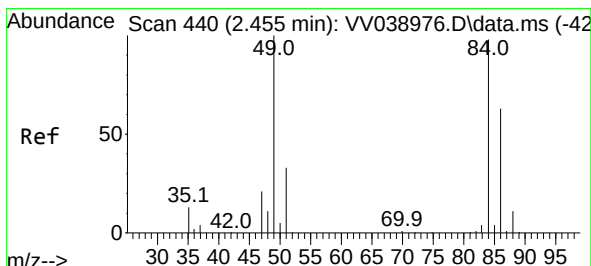
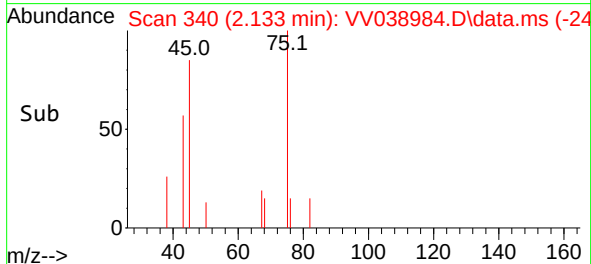
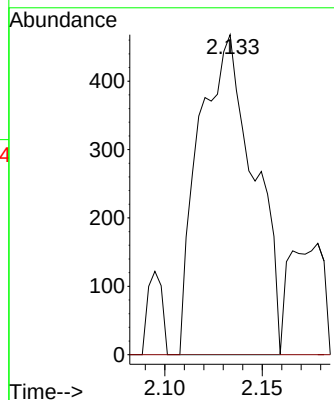
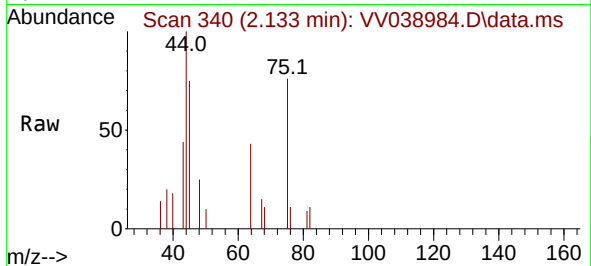




#16
Acetone
Concen: 0.323 ug/l
RT: 2.133 min Scan# 341
Delta R.T. 0.016 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

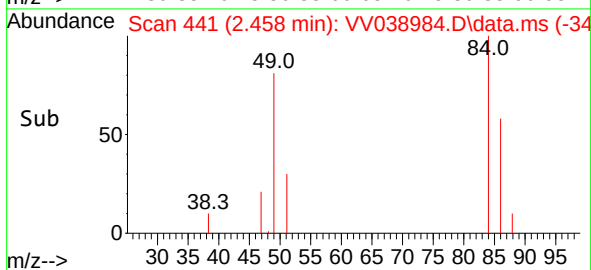
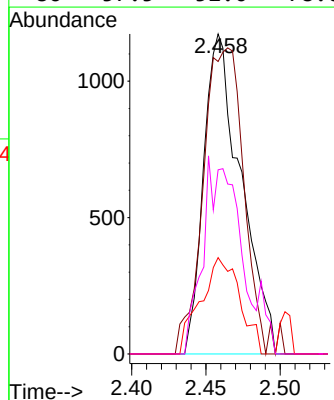
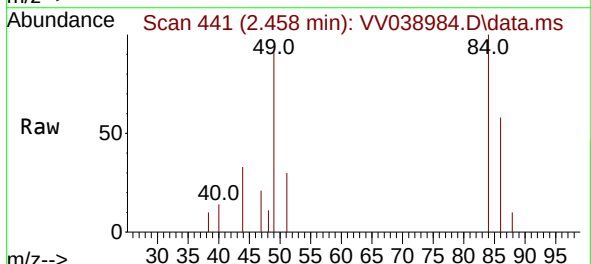
Instrument :
MSVOA_V
ClientSampleId :

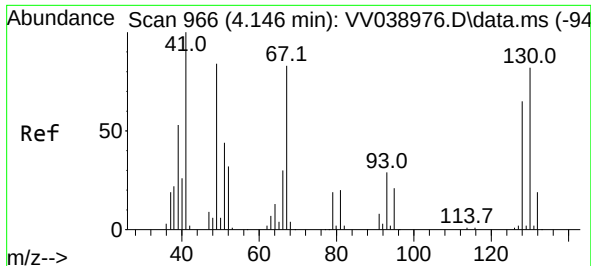
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#



#20
Methylene Chloride
Concen: 0.312 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

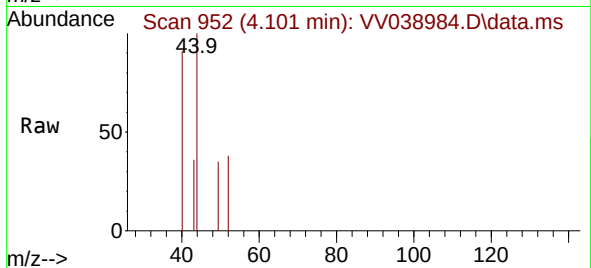
Tgt Ion: 84 Resp: 2051
Ion Ratio Lower Upper
84 100
49 82.0 81.9 122.9
51 30.1 26.9 40.3
86 57.5 52.0 78.0



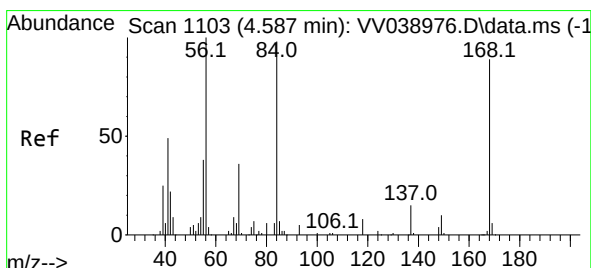
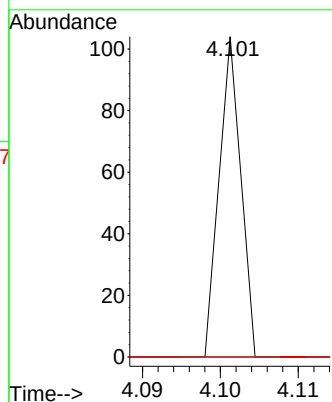
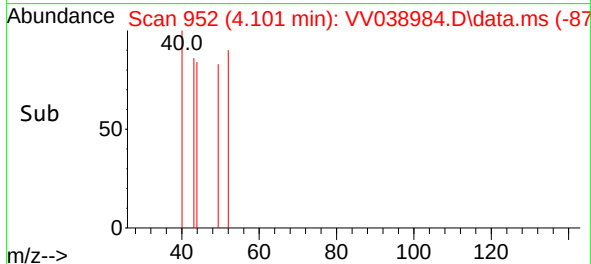


#28
Bromochloromethane
Concen: Below Cal
RT: 4.101 min Scan# 91
Delta R.T. -0.045 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Instrument :
MSVOA_V
ClientSampleId :

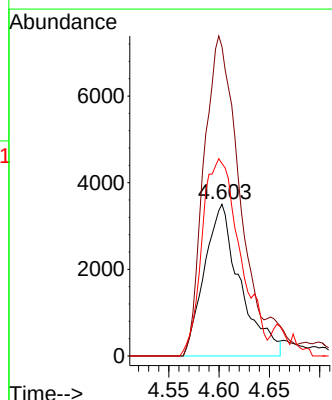
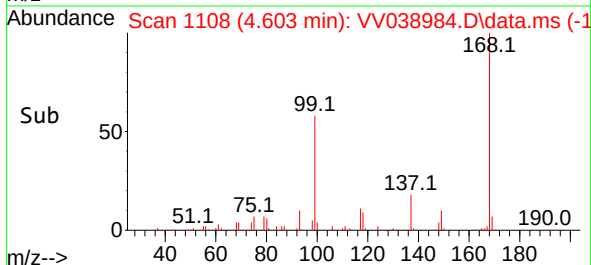
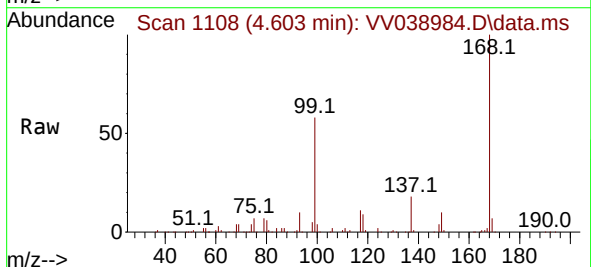


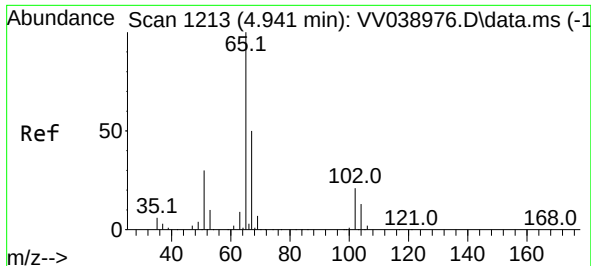
Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 78.2 117.2#



#31
Cyclohexane
Concen: 0.879 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.016 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 56 Resp: 8690
Ion Ratio Lower Upper
56 100
69 203.9 28.6 42.8#
84 126.9 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 48.177 ug/l

RT: 4.940 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038984.D

Acq: 21 Aug 2025 16:34

Instrument :

MSVOA_V

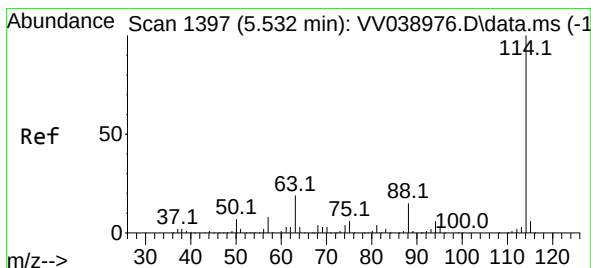
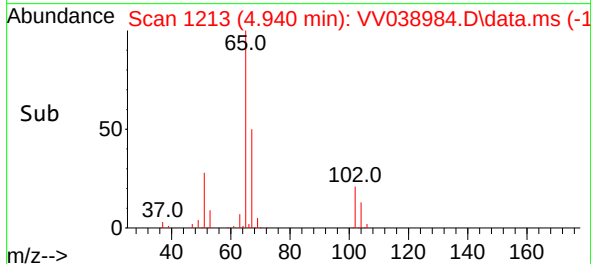
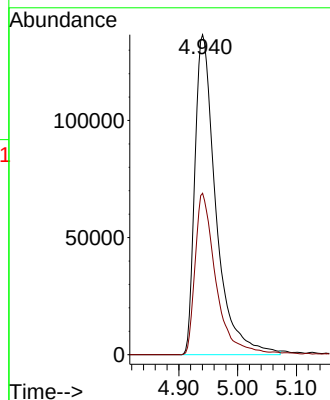
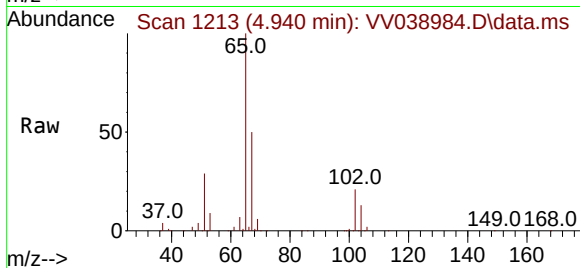
ClientSampleId :

Tgt Ion: 65 Resp: 339699

Ion Ratio Lower Upper

65 100

67 49.5 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: VV038984.D

Acq: 21 Aug 2025 16:34

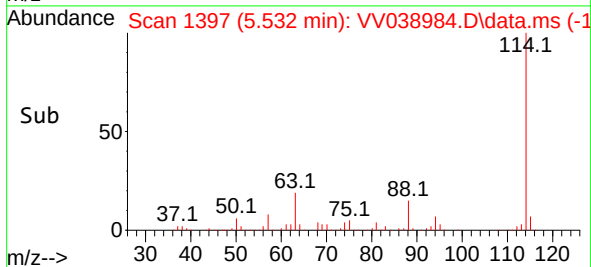
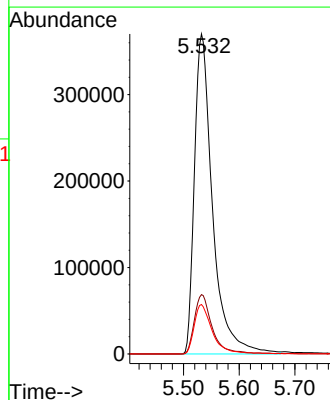
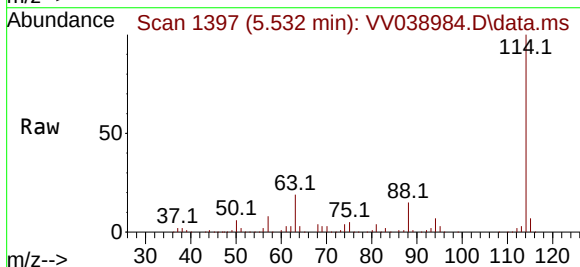
Tgt Ion: 114 Resp: 836910

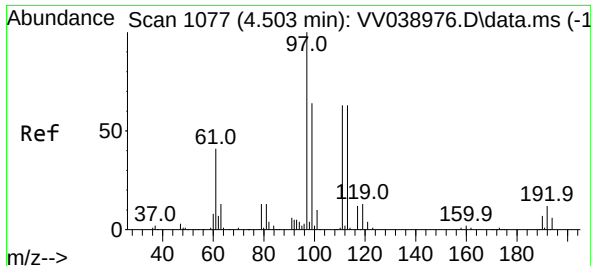
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 43.789 ug/l

RT: 4.503 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV038984.D

Acq: 21 Aug 2025 16:34

Instrument :

MSVOA_V

ClientSampleId :

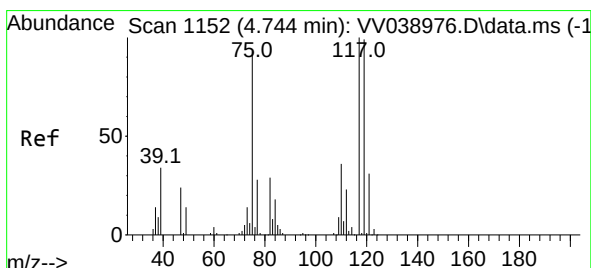
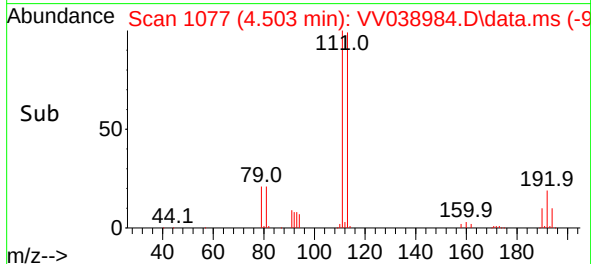
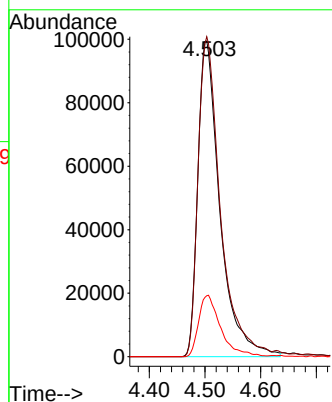
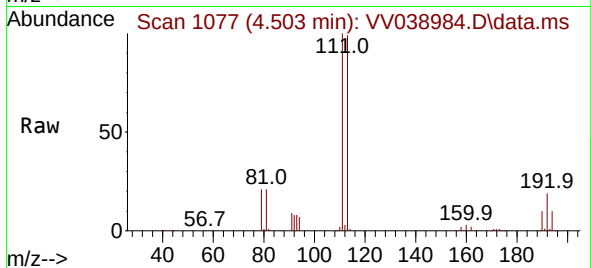
Tgt Ion:113 Resp: 274834

Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 19.4 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.569 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.145 min

Lab File: VV038984.D

Acq: 21 Aug 2025 16:34

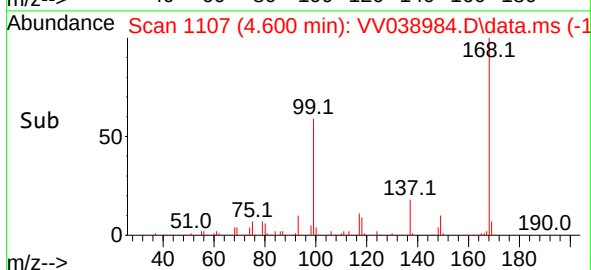
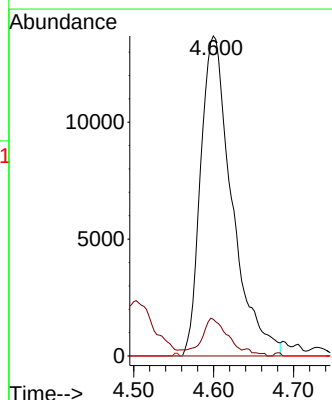
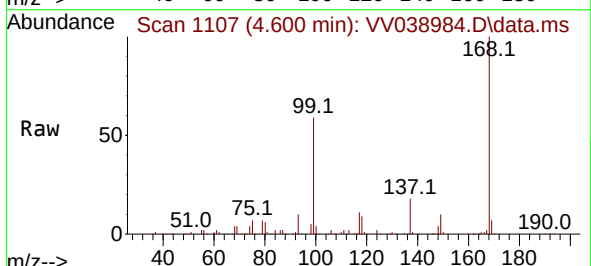
Tgt Ion: 75 Resp: 37243

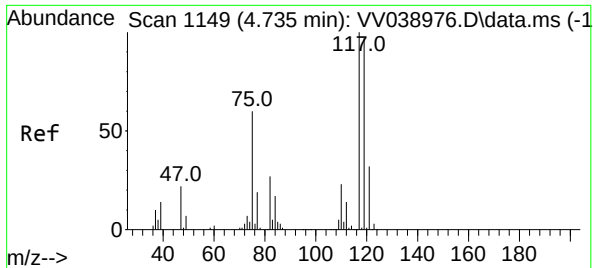
Ion Ratio Lower Upper

75 100

110 7.2 19.6 58.7#

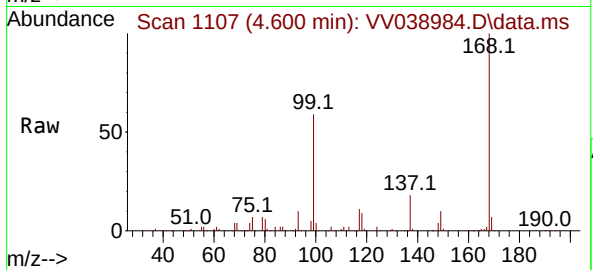
77 0.0 24.4 36.6#



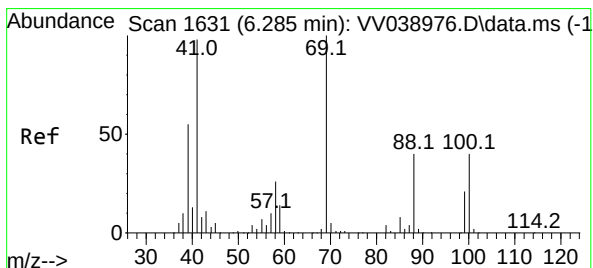
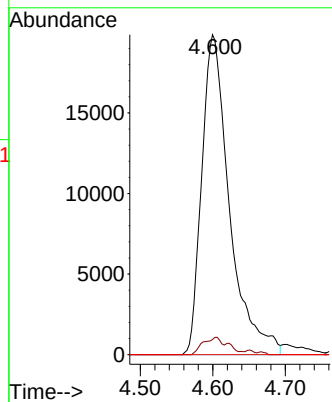
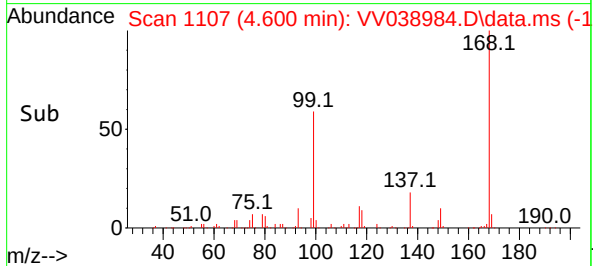


#38
Carbon Tetrachloride
Concen: 4.828 ug/l
RT: 4.600 min Scan# 1149
Delta R.T. -0.135 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Instrument :
MSVOA_V
ClientSampleId :

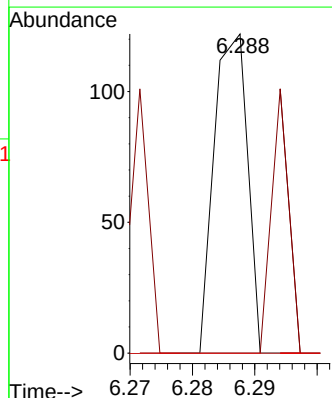
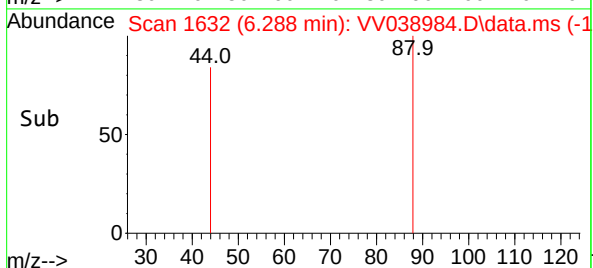
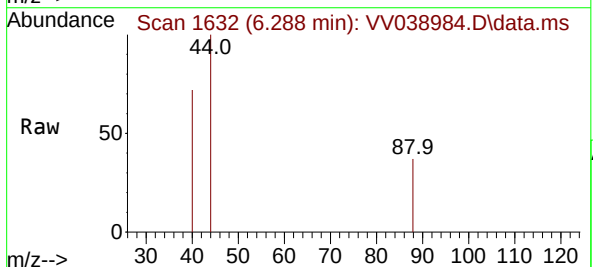


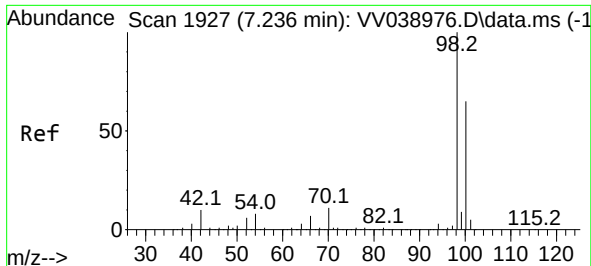
Tgt Ion:117 Resp: 52703
Ion Ratio Lower Upper
117 100
119 4.8 77.1 115.7#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 0.494 ug/l
RT: 6.288 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 42.2 24.6 36.8#
58 0.0 51.8 77.6#

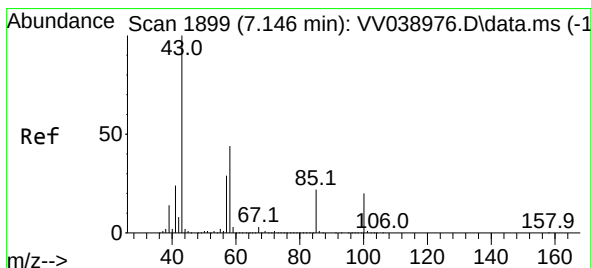
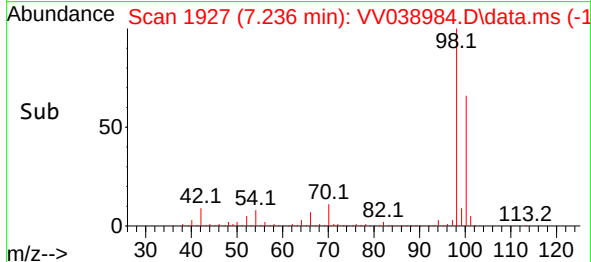
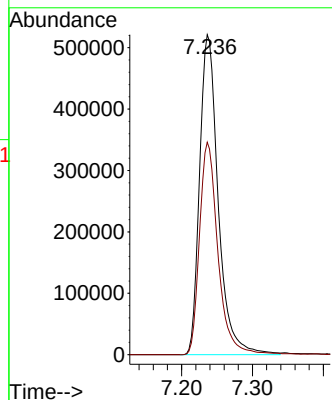
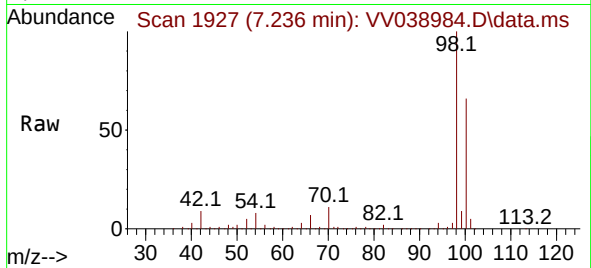




#50
Toluene-d8
Concen: 43.420 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

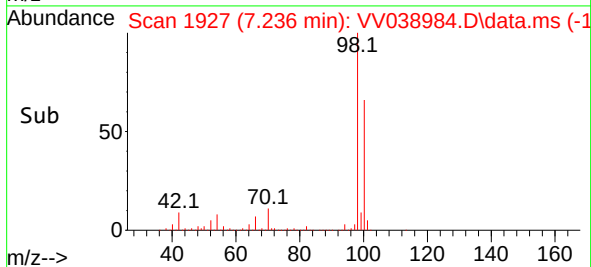
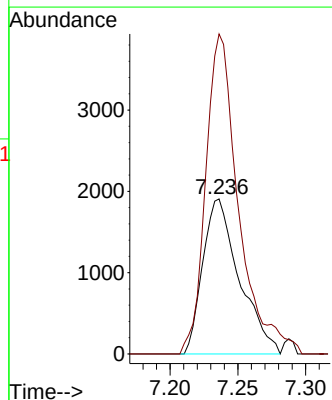
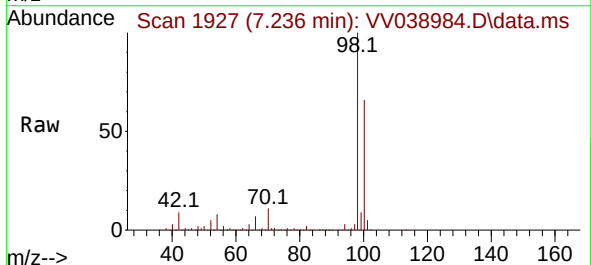
Instrument :
MSVOA_V
ClientSampleId :

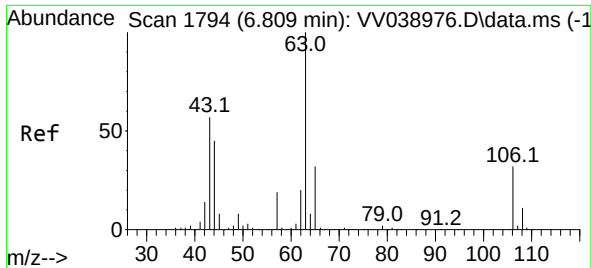
Tgt Ion: 98 Resp: 950290
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.449 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.090 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 43 Resp: 3582
Ion Ratio Lower Upper
43 100
58 185.5 34.6 51.8#

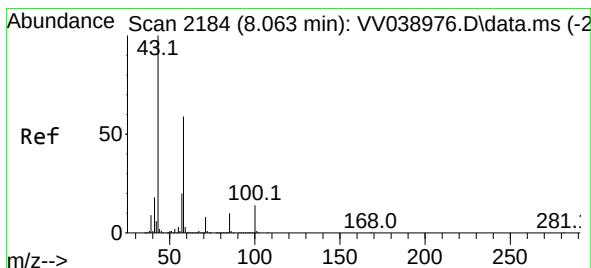
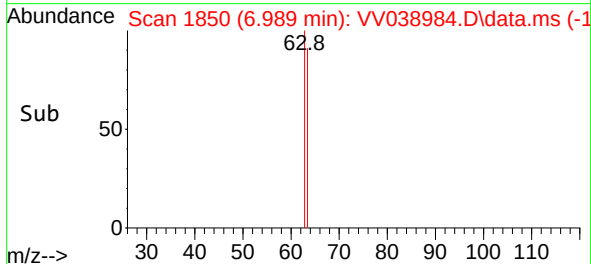
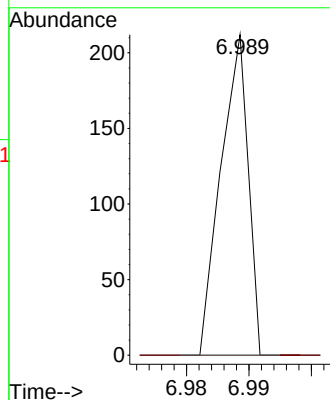
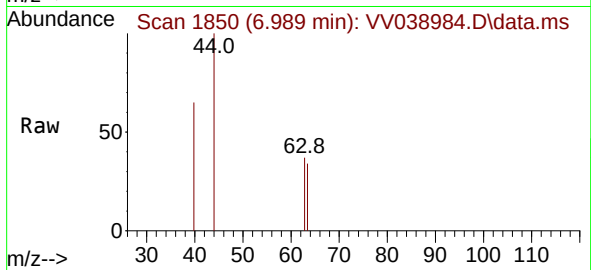




#58
2-Chloroethyl Vinyl ether
Concen: 4.998 ug/l
RT: 6.989 min Scan# 11
Delta R.T. 0.180 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

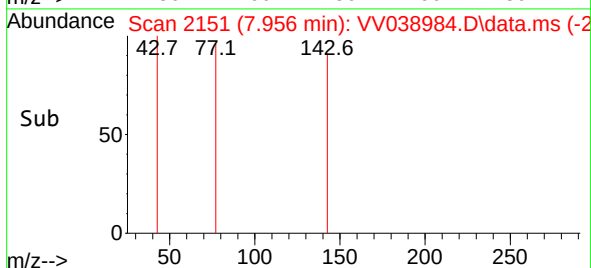
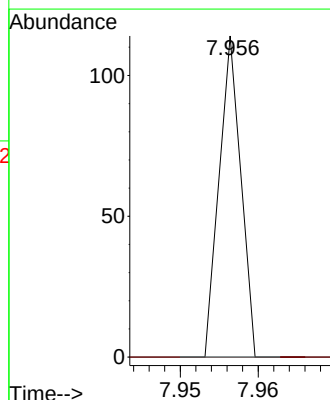
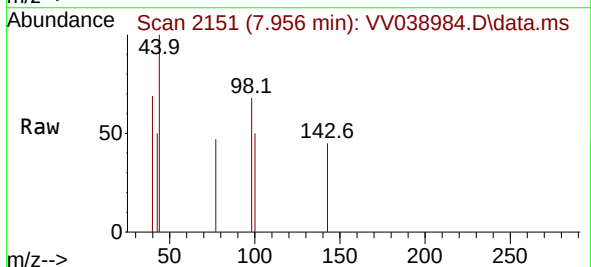
Instrument :
MSVOA_V
ClientSampleId :

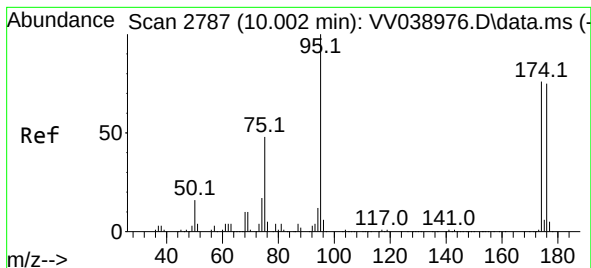
Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 10.900 ug/l
RT: 7.956 min Scan# 2151
Delta R.T. -0.107 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
58 186.4 29.8 89.4#

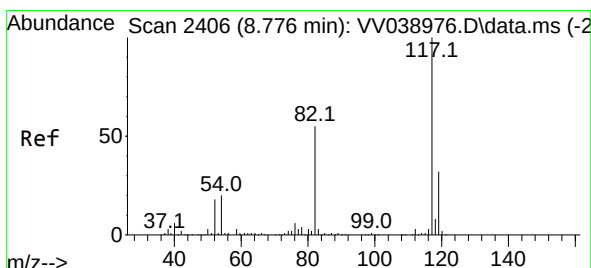
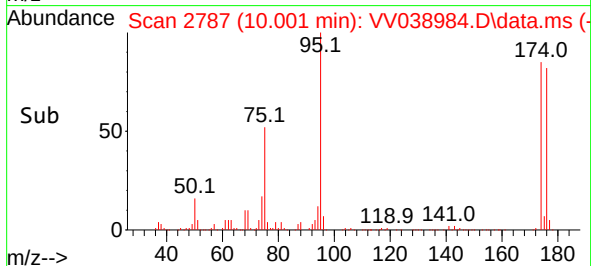
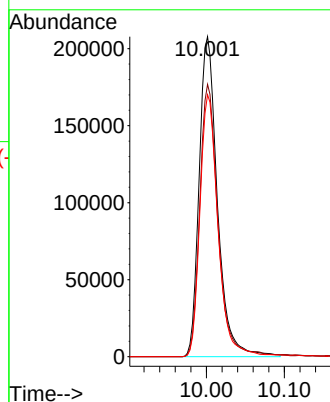
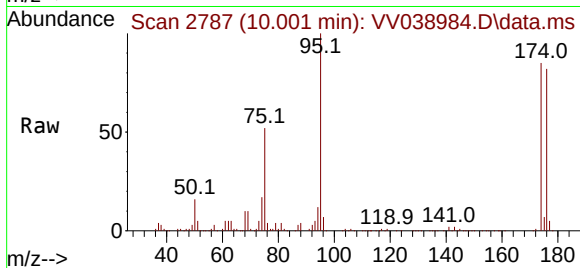




#62
4-Bromofluorobenzene
Concen: 42.310 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

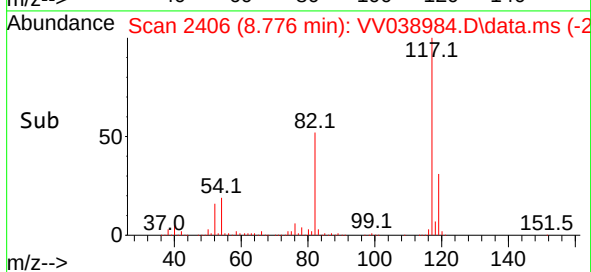
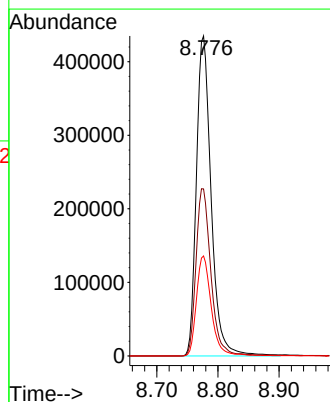
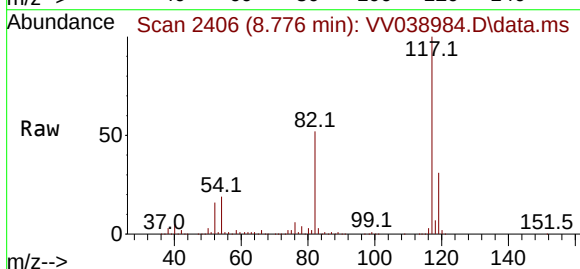
Instrument :
MSVOA_V
ClientSampleId :

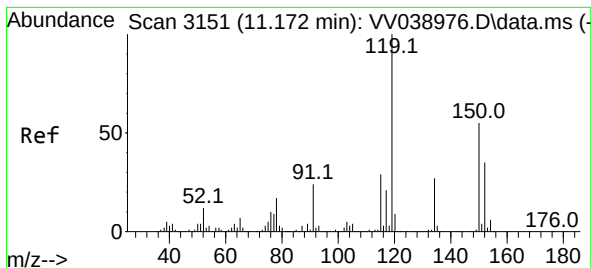
Tgt Ion: 95 Resp: 338753
Ion Ratio Lower Upper
95 100
174 85.2 0.0 154.4
176 81.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 117 Resp: 730493
Ion Ratio Lower Upper
117 100
82 52.2 44.4 66.6
119 31.2 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV038984.D

Acq: 21 Aug 2025 16:34

Instrument :

MSVOA_V

ClientSampleId :

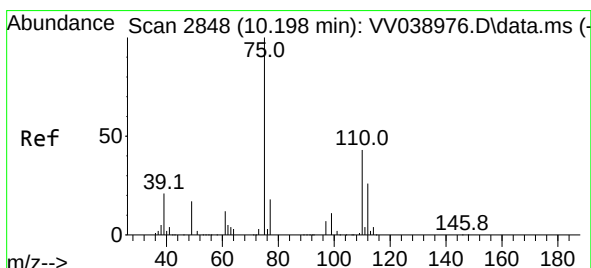
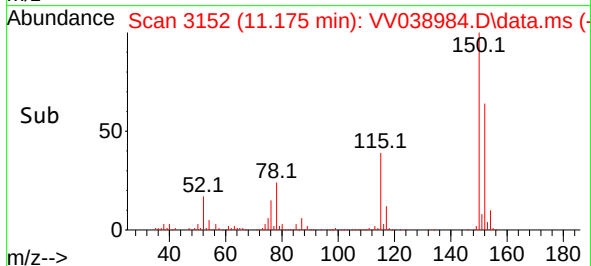
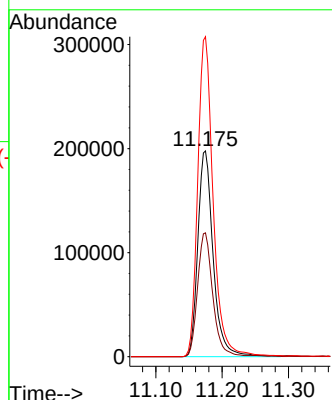
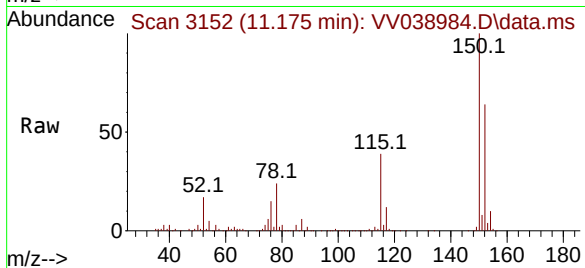
Tgt Ion:152 Resp: 318475

Ion Ratio Lower Upper

152 100

115 60.0 42.5 127.5

150 156.2 0.0 344.8



#76

1,2,3-Trichloropropane

Concen: 29.886 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV038984.D

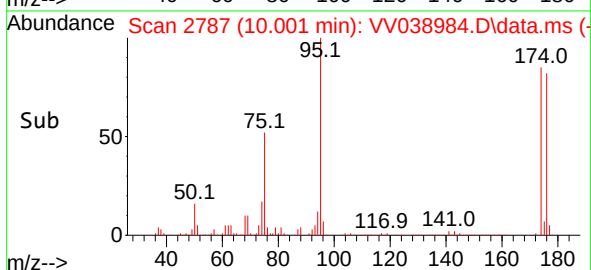
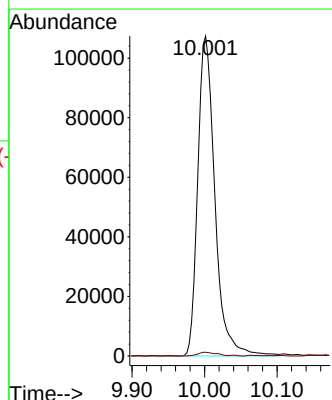
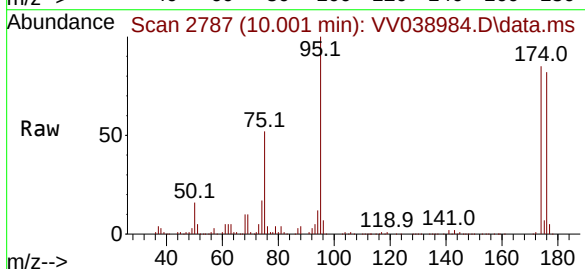
Acq: 21 Aug 2025 16:34

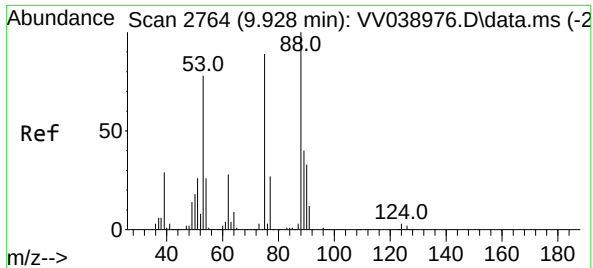
Tgt Ion: 75 Resp: 176543

Ion Ratio Lower Upper

75 100

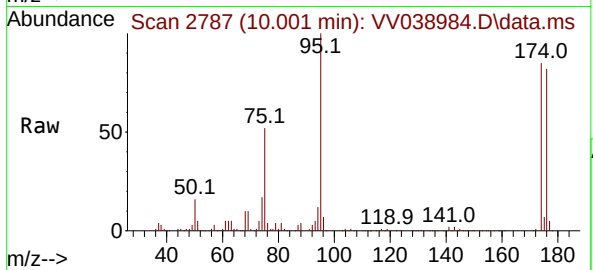
77 1.3 11.3 33.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.614 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV038984.D
 Acq: 21 Aug 2025 16:34

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 176543
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.3 105.5#
 89 0.0 37.9 56.9#

