

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038983.D
 Acq On : 21 Aug 2025 16:12
 Operator : SY/MD
 Sample : VV0821MBL01
 Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:32:05 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)

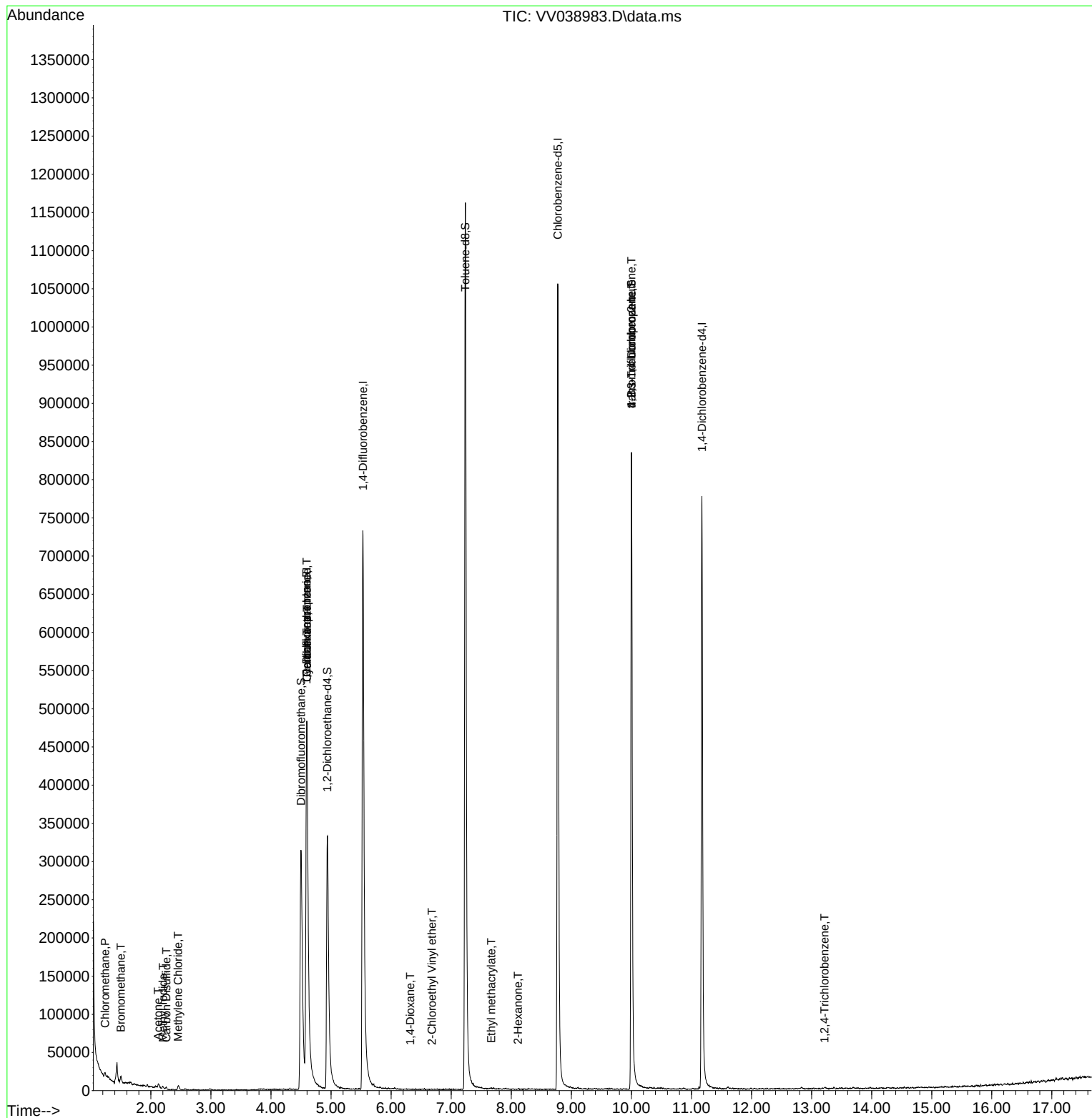
Internal Standards						
1) Pentafluorobenzene	4.597	168	427239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	741015	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	612117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	211578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	309584	51.641	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 103.280%			
35) Dibromofluoromethane	4.500	113	270239	48.628	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.260%			
50) Toluene-d8	7.236	98	842767	43.490	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 86.980%#			
62) 4-Bromofluorobenzene	10.001	95	286884	40.468	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 80.940%#			
Target Compounds						Qvalue
3) Chloromethane	1.240	50	3417	0.518	ug/l #	79
5) Bromomethane	1.500	94	4684	1.245	ug/l	91
10) Methyl Iodide	2.201	142	4501	0.687	ug/l #	93
13) Acrolein	2.015	56	83	Below Cal	#	1
16) Acetone	2.121	43	804	0.334	ug/l	94
17) Carbon Disulfide	2.256	76	3747	0.278	ug/l	95
20) Methylene Chloride	2.455	84	2791	0.499	ug/l #	83
28) Bromochloromethane	4.166	49	104	Below Cal	#	3
31) Cyclohexane	4.600	56	8987	1.070	ug/l #	13
36) 1,1-Dichloropropene	4.593	75	34959	4.844	ug/l #	49
38) Carbon Tetrachloride	4.597	117	45074	4.664	ug/l #	16
49) 1,4-Dioxane	6.320	88	72	0.893	ug/l #	1
56) Ethyl methacrylate	7.667	69	70	2.322	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.680	63	22	4.990	ug/l #	43
59) 2-Hexanone	8.111	43	190	10.922	ug/l #	21
76) 1,2,3-Trichloropropane	10.001	75	144433	36.803	ug/l #	57
81) trans-1,4-Dichloro-2-b...	10.001	75	144433	84.495	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.217	180	872	0.213	ug/l #	88

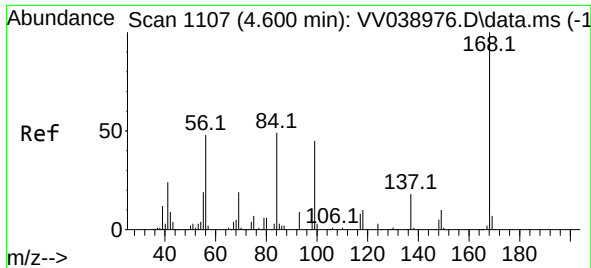
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 22 04:32:05 2025
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Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

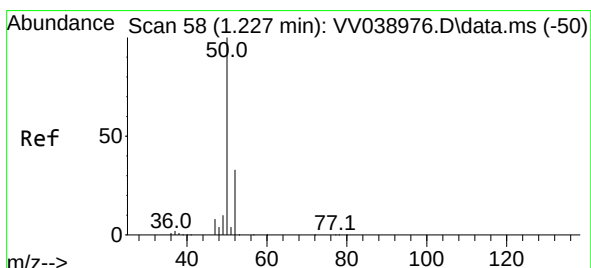
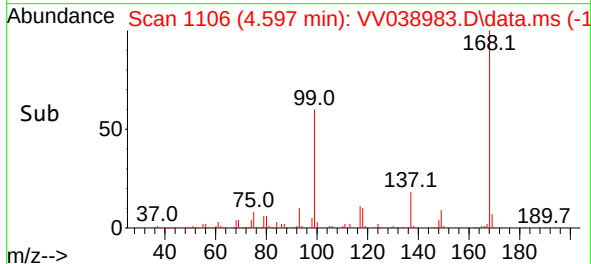
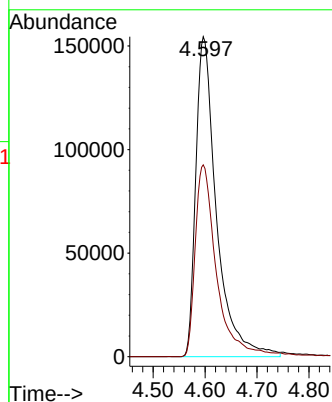
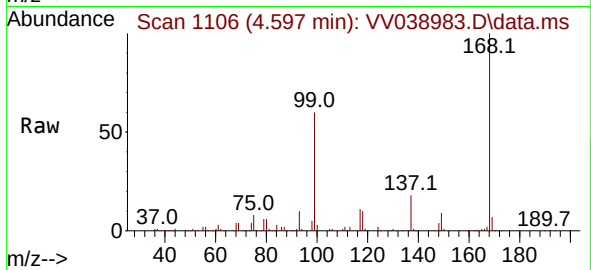




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

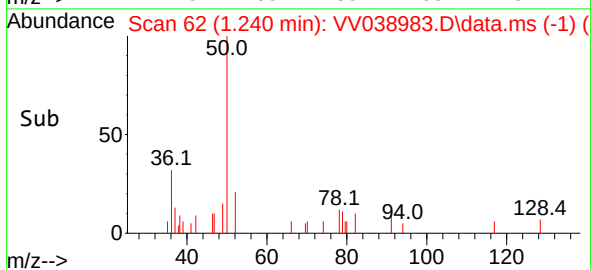
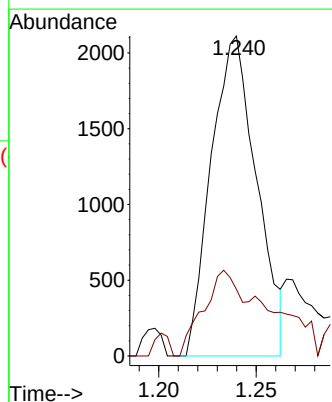
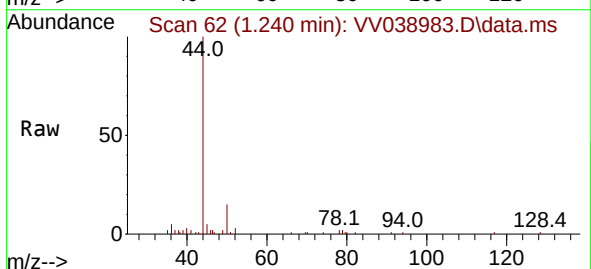
Instrument :
MSVOA_V
ClientSampleId :

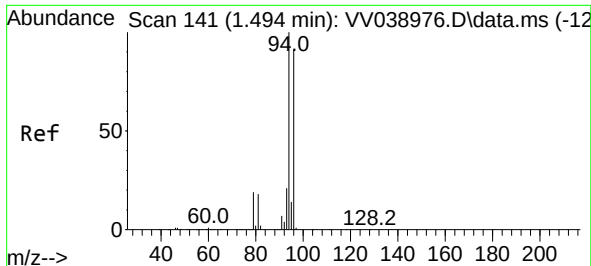
Tgt Ion:168 Resp: 427239
Ion Ratio Lower Upper
168 100
99 59.9 47.0 70.6



#3
Chloromethane
Concen: 0.518 ug/l
RT: 1.240 min Scan# 62
Delta R.T. 0.013 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

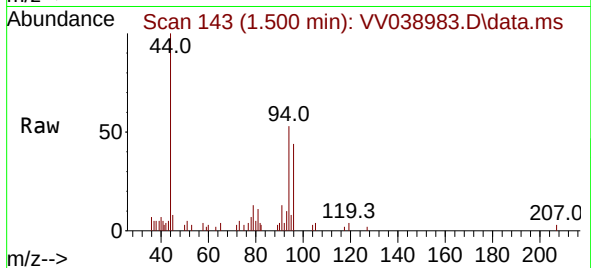
Tgt Ion: 50 Resp: 3417
Ion Ratio Lower Upper
50 100
52 20.9 26.2 39.2#



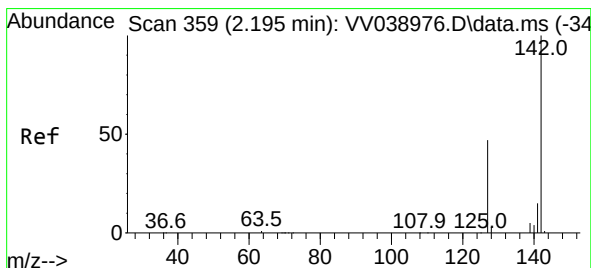
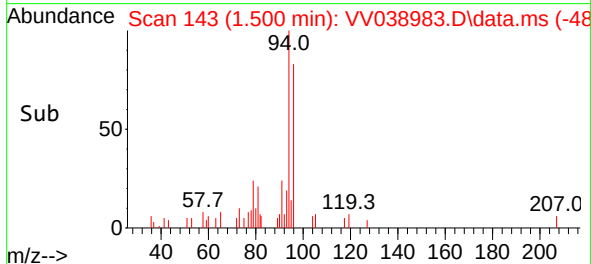
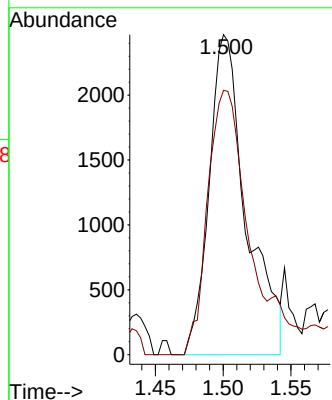


#5
Bromomethane
Concen: 1.245 ug/l
RT: 1.500 min Scan# 141
Delta R.T. 0.006 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Instrument :
MSVOA_V
ClientSampleId :

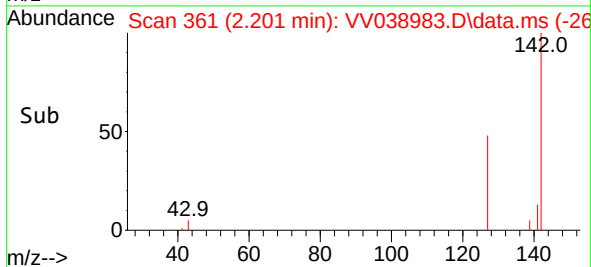
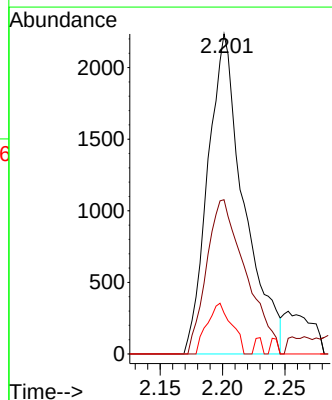
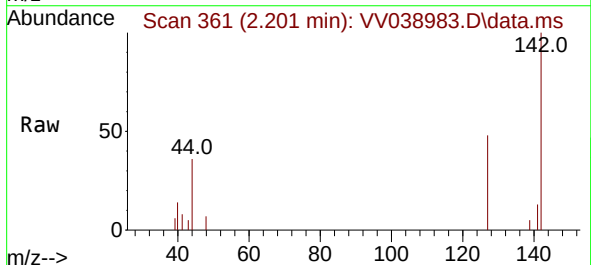


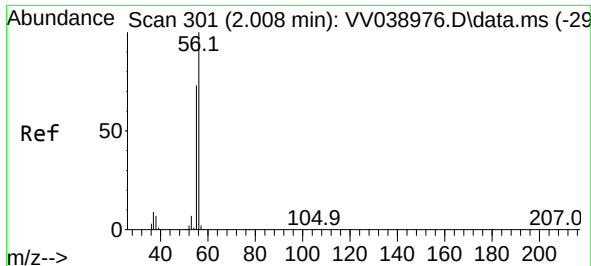
Tgt Ion: 94 Resp: 4684
Ion Ratio Lower Upper
94 100
96 82.6 73.1 109.7



#10
Methyl Iodide
Concen: 0.687 ug/l
RT: 2.201 min Scan# 361
Delta R.T. 0.006 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

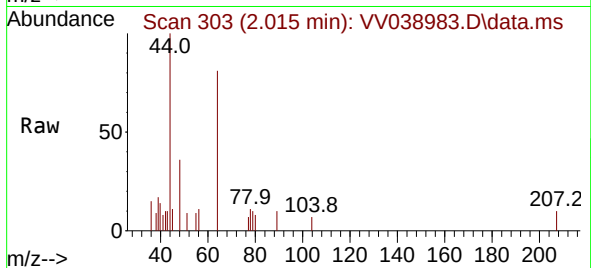
Tgt Ion: 142 Resp: 4501
Ion Ratio Lower Upper
142 100
127 52.3 38.6 57.8
141 10.8 11.4 17.2#



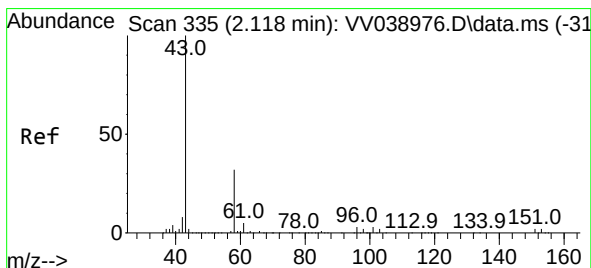
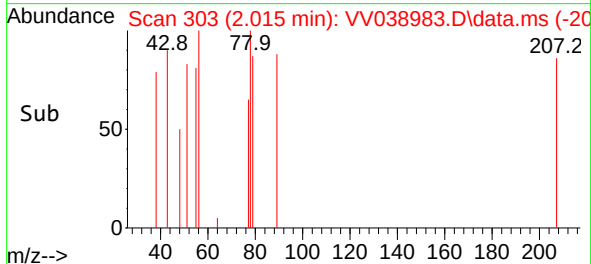
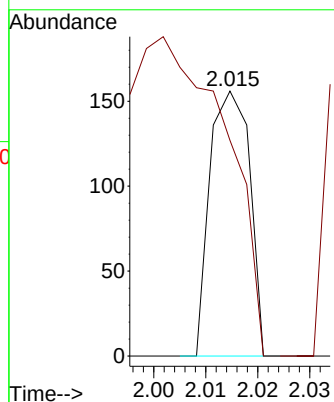


#13
Acrolein
Concen: Below Cal
RT: 2.015 min Scan# 301
Delta R.T. 0.007 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Instrument :
MSVOA_V
ClientSampleId :

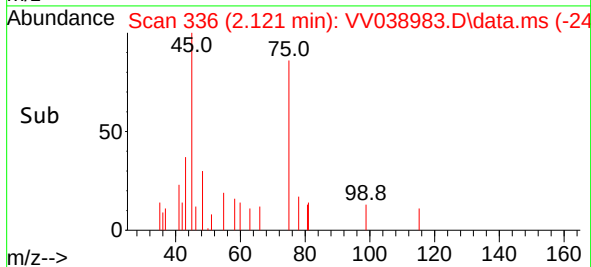
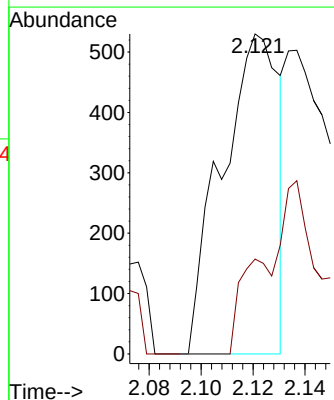
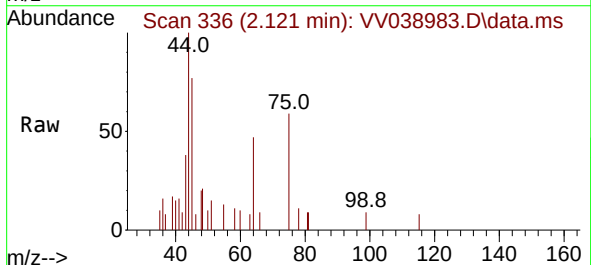


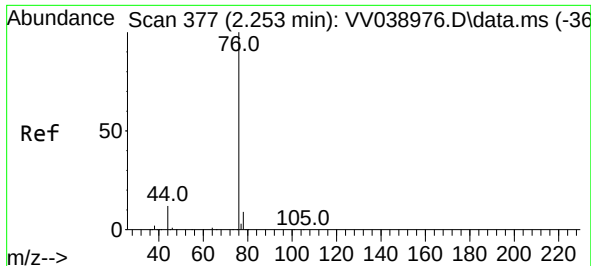
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 310.8 58.8 88.2#



#16
Acetone
Concen: 0.334 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 29.6 26.3 39.5

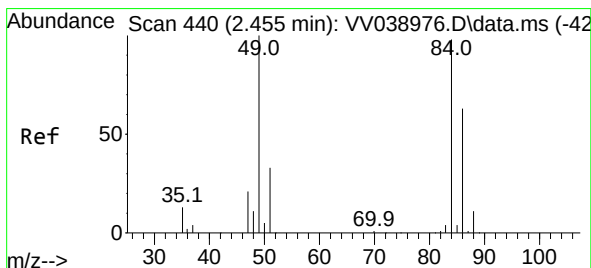
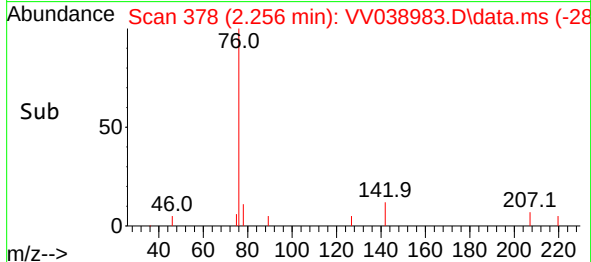
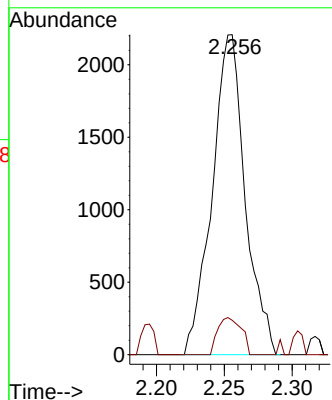
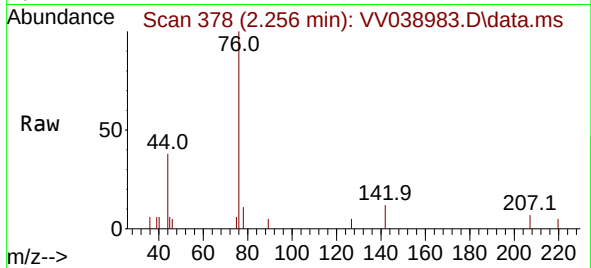




#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.256 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

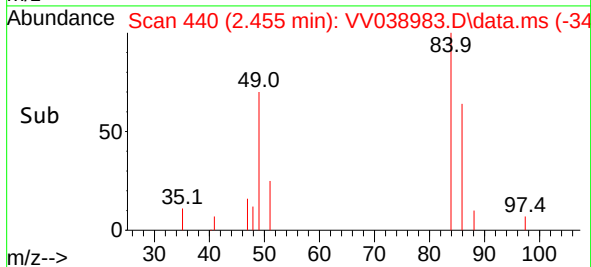
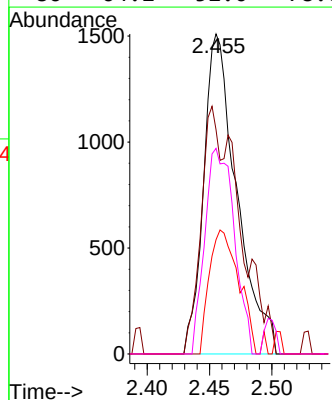
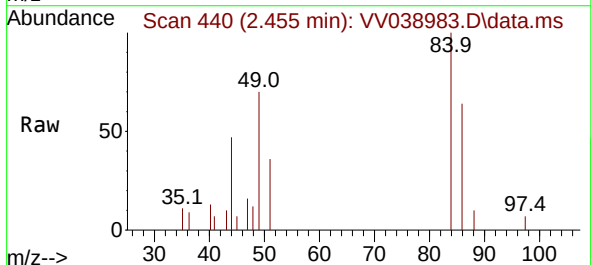
Instrument :
MSVOA_V
ClientSampleId :

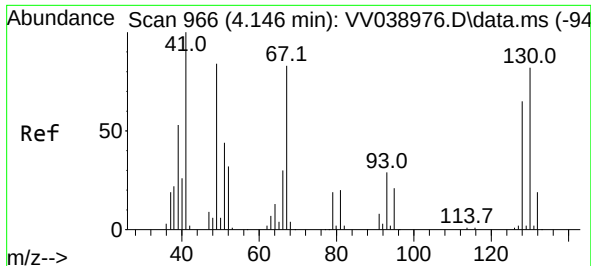
Tgt Ion: 76 Resp: 3747
Ion Ratio Lower Upper
76 100
78 10.8 7.3 10.9



#20
Methylene Chloride
Concen: 0.499 ug/l
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

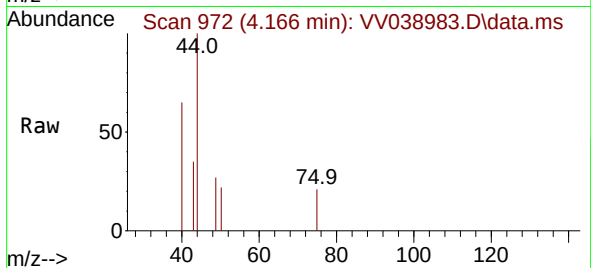
Tgt Ion: 84 Resp: 2791
Ion Ratio Lower Upper
84 100
49 70.1 81.9 122.9#
51 35.7 26.9 40.3
86 64.2 52.0 78.0



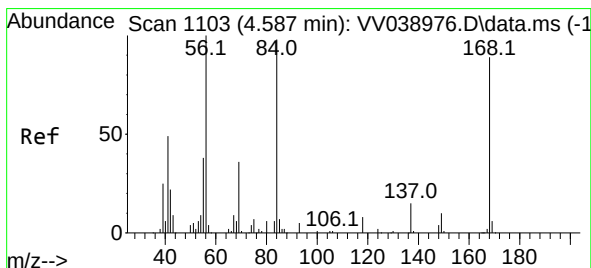
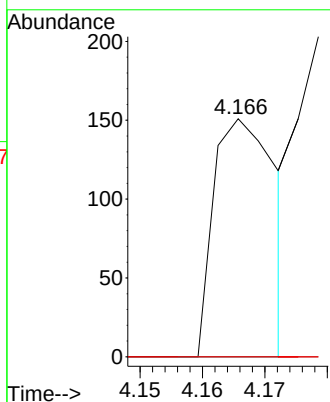
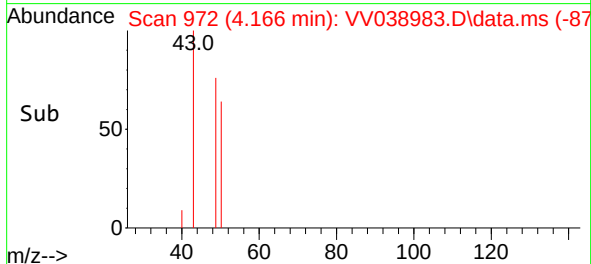


#28
Bromochloromethane
Concen: Below Cal
RT: 4.166 min Scan# 91
Delta R.T. 0.020 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

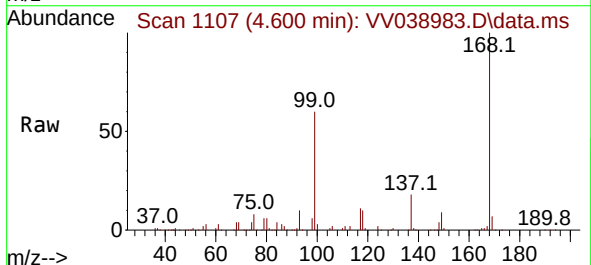
Instrument :
MSVOA_V
ClientSampleId :



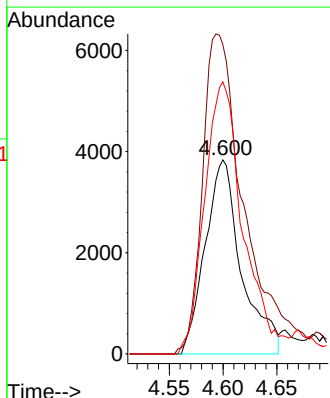
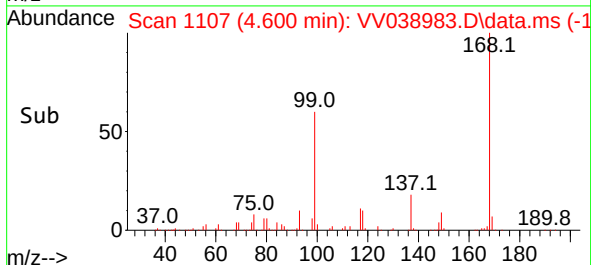
Tgt Ion: 49 Resp: 104
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 78.2 117.2#

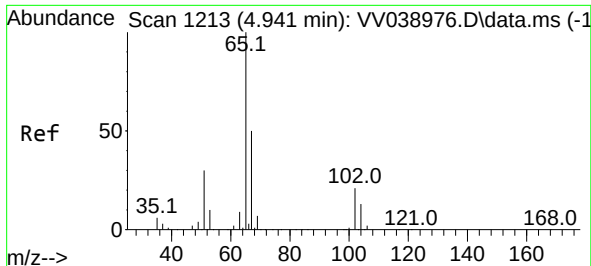


#31
Cyclohexane
Concen: 1.070 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.013 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12



Tgt Ion: 56 Resp: 8987
Ion Ratio Lower Upper
56 100
69 156.8 28.6 42.8#
84 140.3 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 51.641 ug/l

RT: 4.937 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV038983.D

Acq: 21 Aug 2025 16:12

Instrument :

MSVOA_V

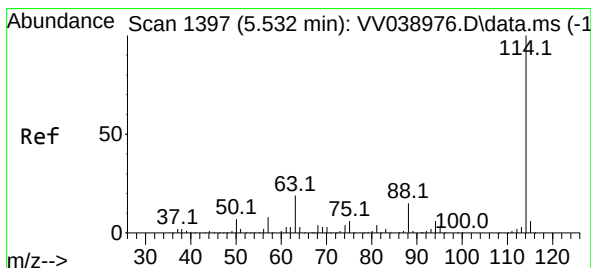
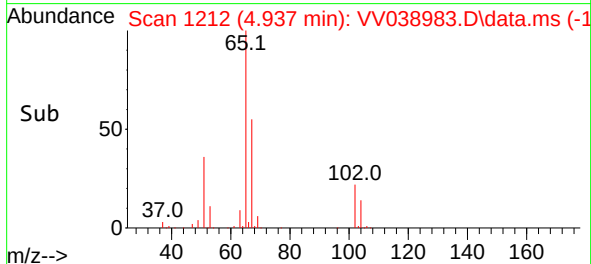
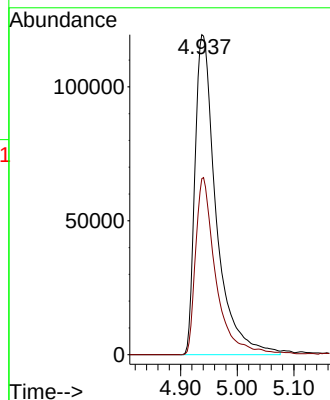
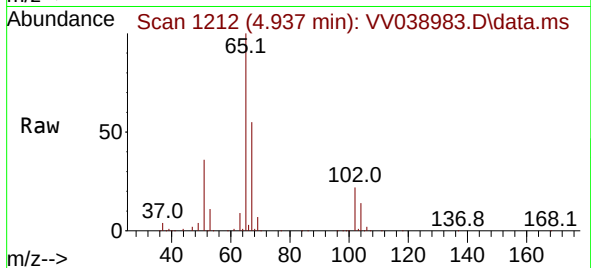
ClientSampleId :

Tgt Ion: 65 Resp: 309584

Ion Ratio Lower Upper

65 100

67 51.6 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: VV038983.D

Acq: 21 Aug 2025 16:12

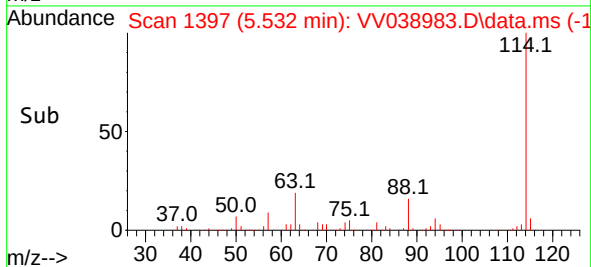
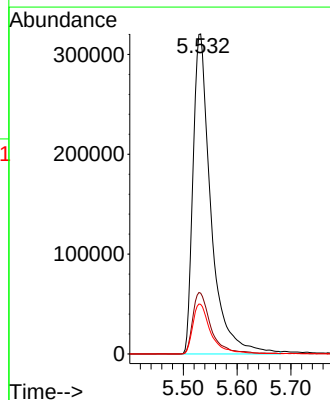
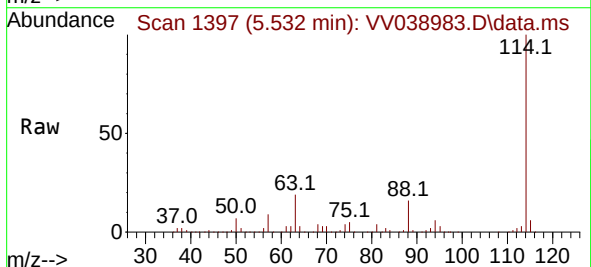
Tgt Ion: 114 Resp: 741015

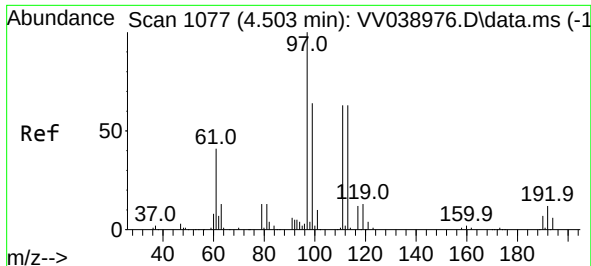
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.628 ug/l

RT: 4.500 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV038983.D

Acq: 21 Aug 2025 16:12

Instrument :

MSVOA_V

ClientSampleId :

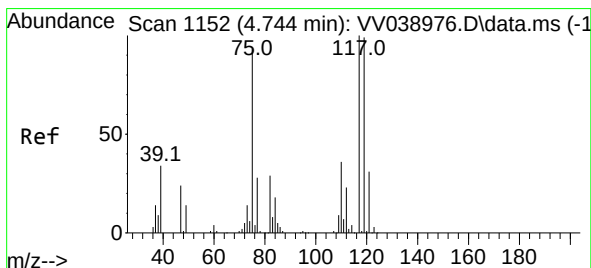
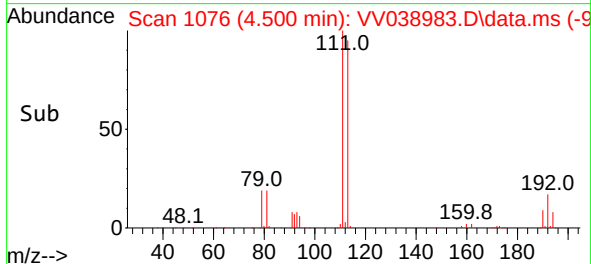
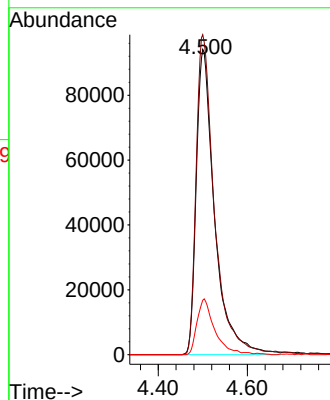
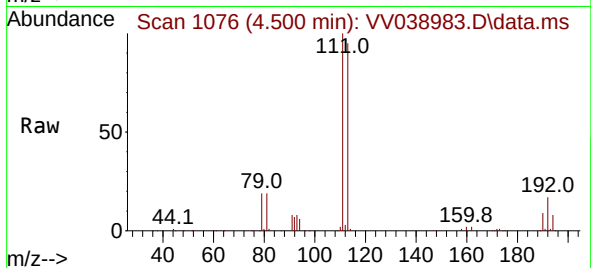
Tgt Ion:113 Resp: 270239

Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 17.3 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 4.593 min Scan# 1105

Delta R.T. -0.151 min

Lab File: VV038983.D

Acq: 21 Aug 2025 16:12

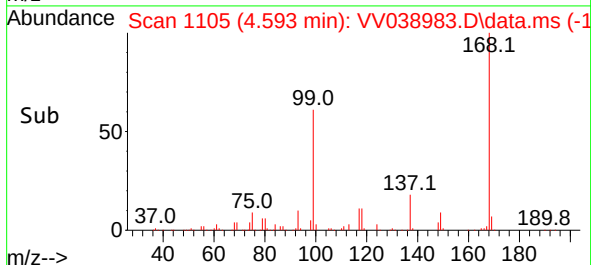
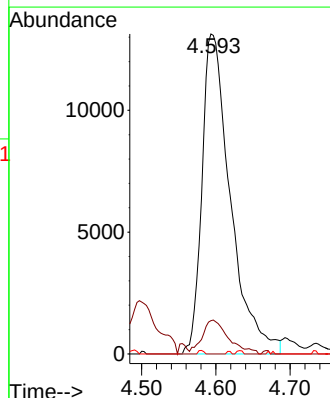
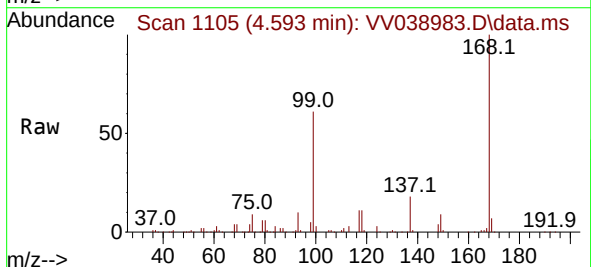
Tgt Ion: 75 Resp: 34959

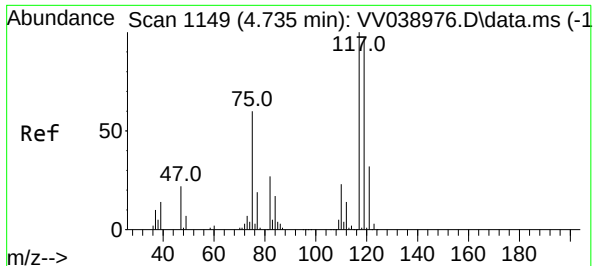
Ion Ratio Lower Upper

75 100

110 9.8 19.6 58.7#

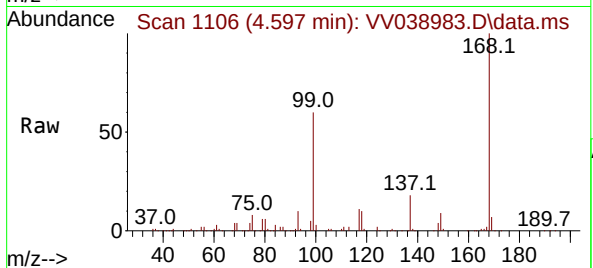
77 0.2 24.4 36.6#



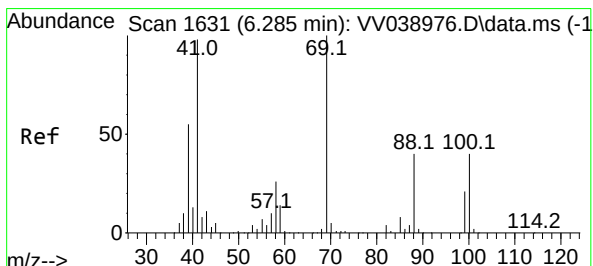
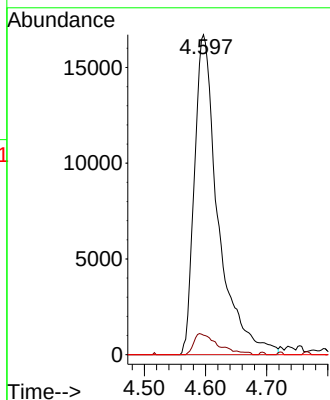
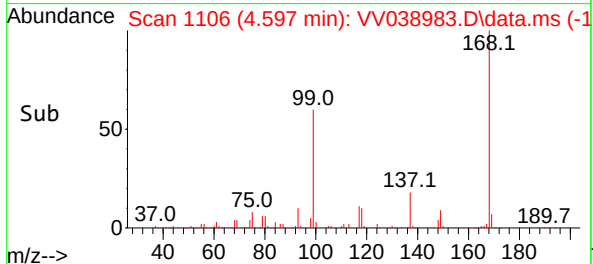


#38
Carbon Tetrachloride
Concen: 4.664 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. -0.138 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Instrument :
MSVOA_V
ClientSampleId :

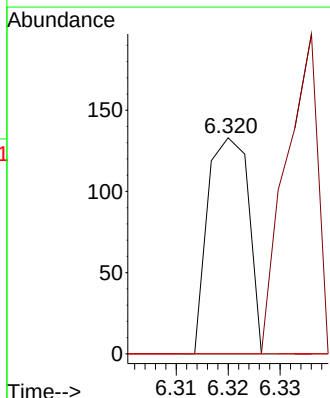
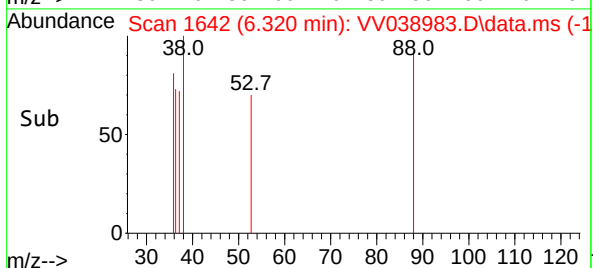
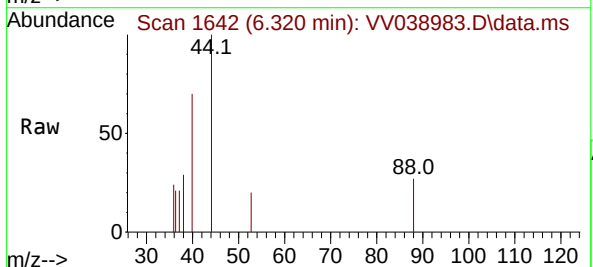


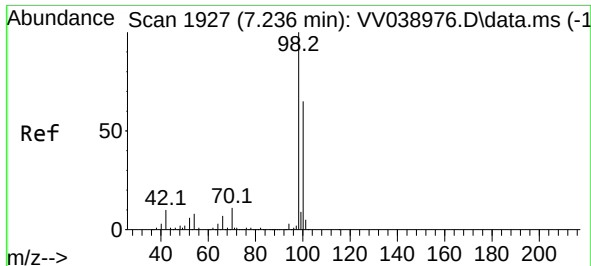
Tgt Ion:117 Resp: 45074
Ion Ratio Lower Upper
117 100
119 6.1 77.1 115.7#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 0.893 ug/l
RT: 6.320 min Scan# 1642
Delta R.T. 0.035 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 116.7 24.6 36.8#
58 0.0 51.8 77.6#

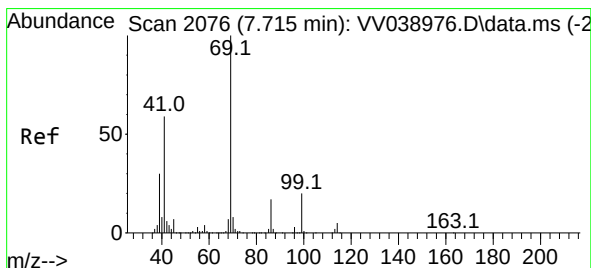
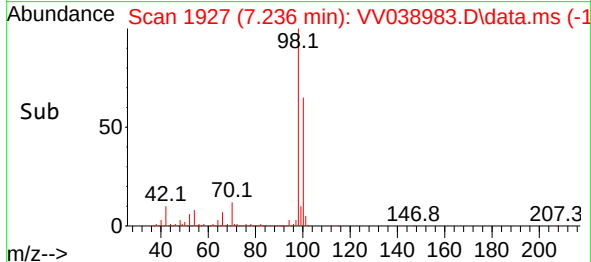
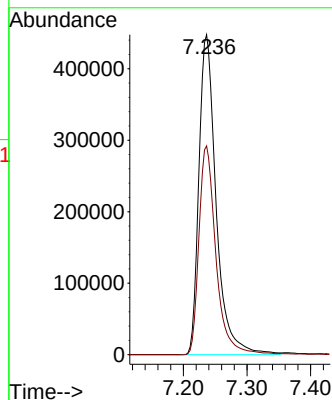
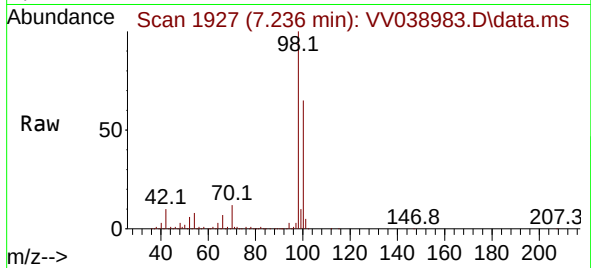




#50
Toluene-d8
Concen: 43.490 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

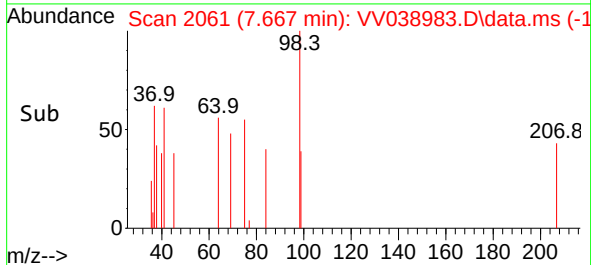
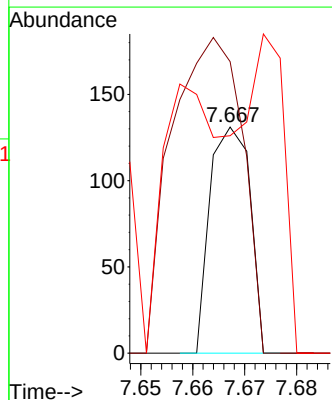
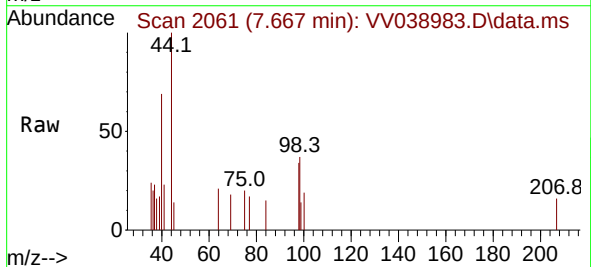
Instrument :
MSVOA_V
ClientSampleId :

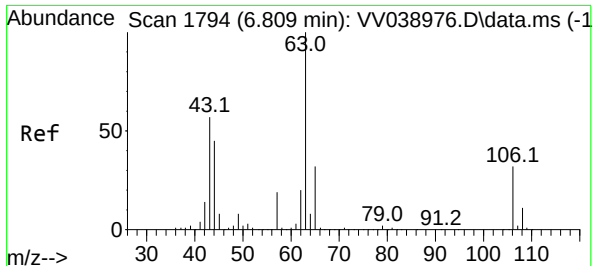
Tgt Ion: 98 Resp: 842767
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#56
Ethyl methacrylate
Concen: 2.322 ug/l
RT: 7.667 min Scan# 2061
Delta R.T. -0.048 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Tgt Ion: 69 Resp: 70
Ion Ratio Lower Upper
69 100
41 245.7 47.5 71.3#
39 134.3 24.2 36.2#

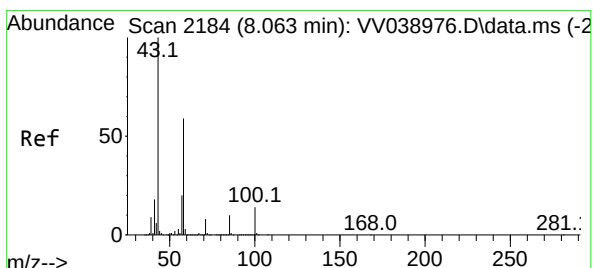
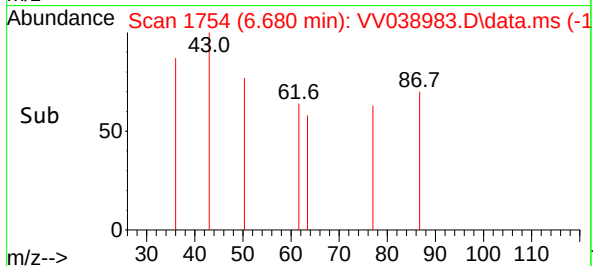
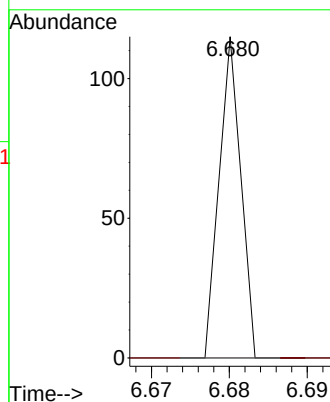
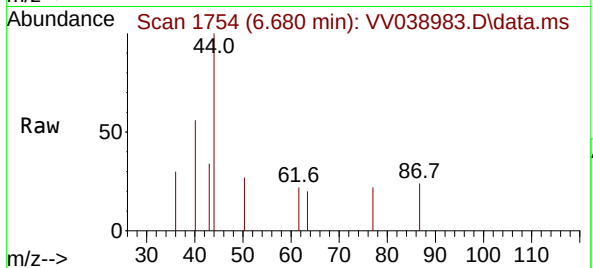




#58
2-Chloroethyl Vinyl ether
Concen: 4.990 ug/l
RT: 6.680 min Scan# 11
Delta R.T. -0.129 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

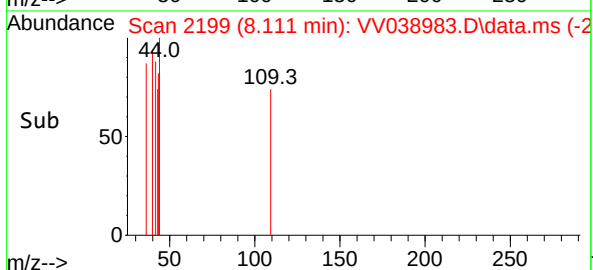
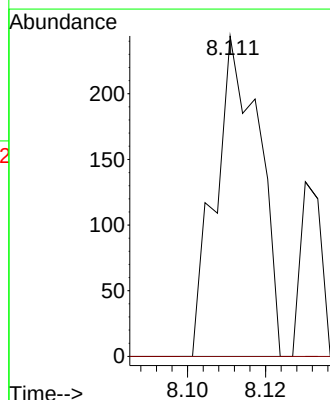
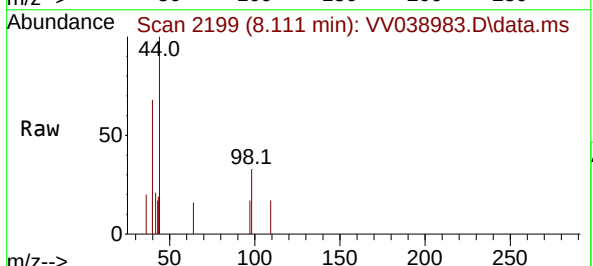
Instrument :
MSVOA_V
ClientSampleId :

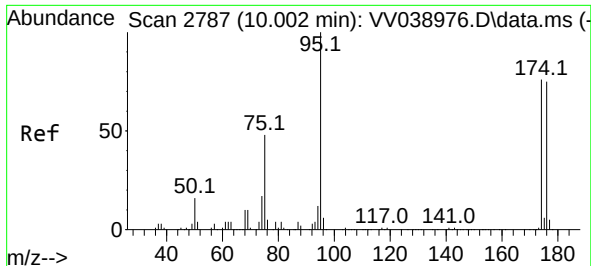
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 10.922 ug/l
RT: 8.111 min Scan# 2199
Delta R.T. 0.048 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Tgt Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#

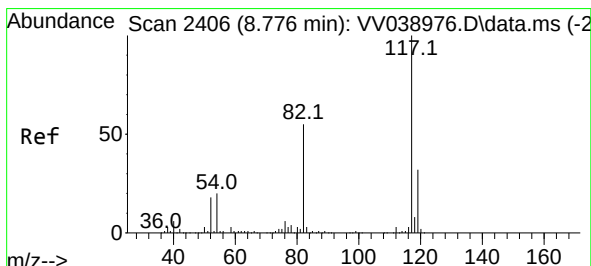
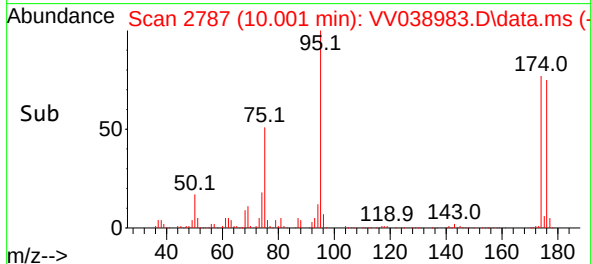
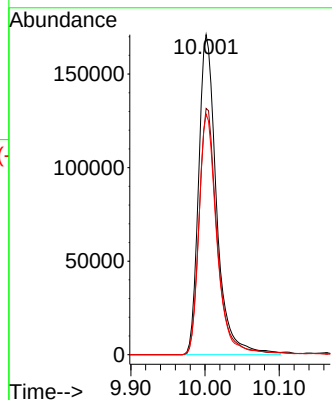
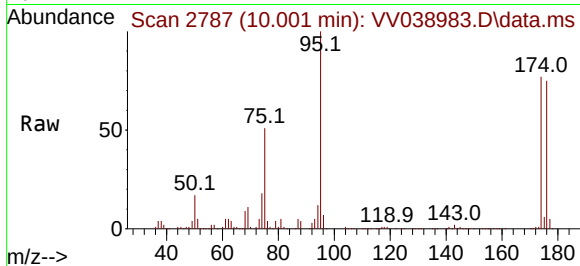




#62
4-Bromofluorobenzene
Concen: 40.468 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

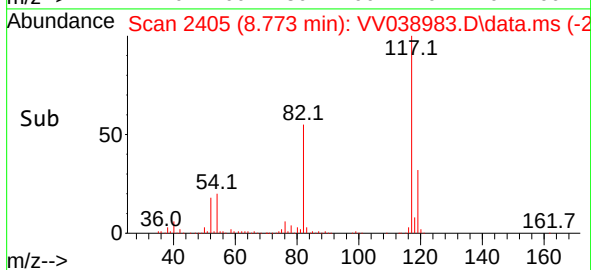
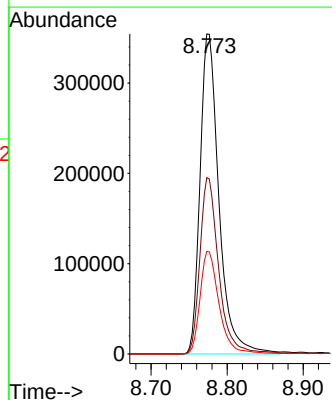
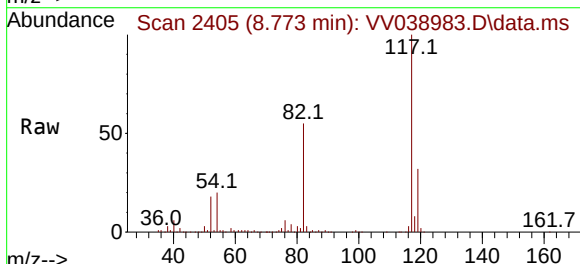
Instrument :
MSVOA_V
ClientSampleId :

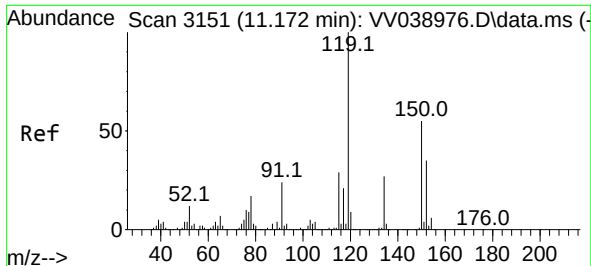
Tgt Ion: 95 Resp: 286884
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.4
176 75.6 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

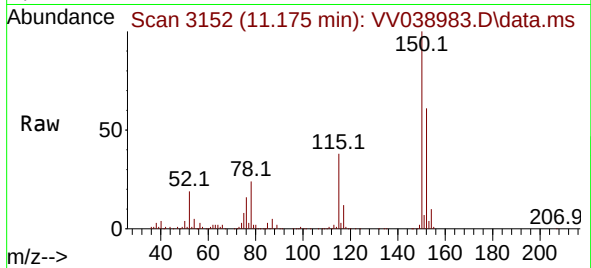
Tgt Ion: 117 Resp: 612117
Ion Ratio Lower Upper
117 100
82 55.1 44.4 66.6
119 32.1 26.0 39.0



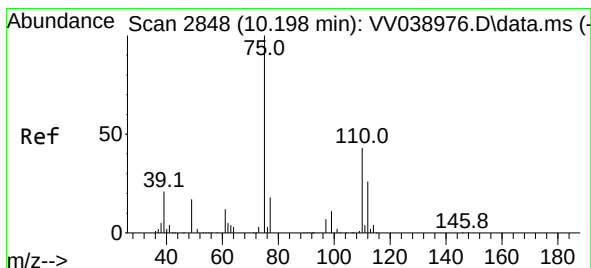
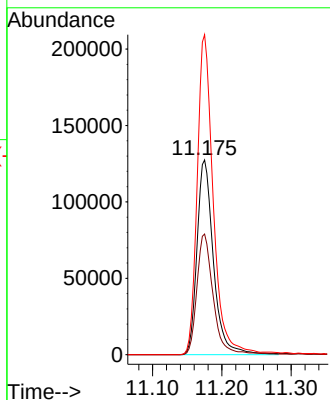
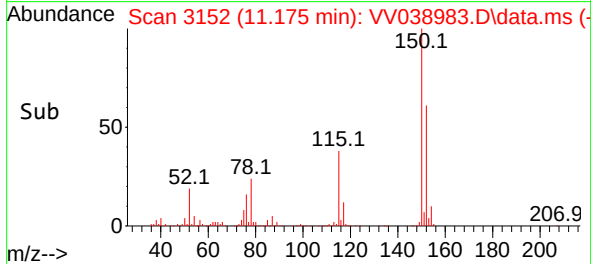


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV038983.D
 Acq: 21 Aug 2025 16:12

Instrument :
 MSVOA_V
 ClientSampleId :

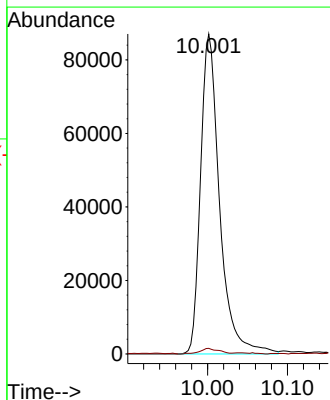
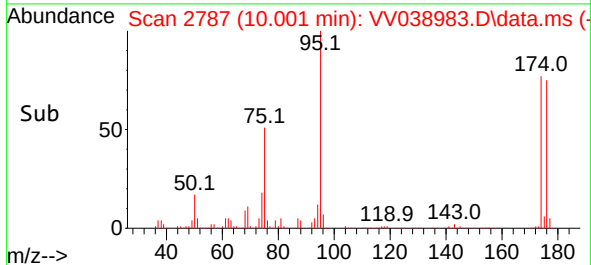
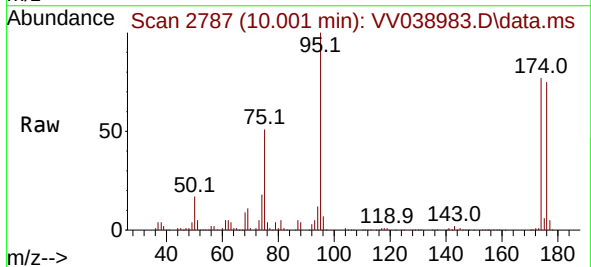


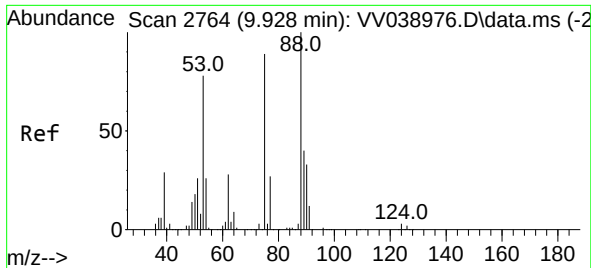
Tgt Ion:152 Resp: 211578
 Ion Ratio Lower Upper
 152 100
 115 61.2 42.5 127.5
 150 159.4 0.0 344.8



#76
 1,2,3-Trichloropropane
 Concen: 36.803 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV038983.D
 Acq: 21 Aug 2025 16:12

Tgt Ion: 75 Resp: 144433
 Ion Ratio Lower Upper
 75 100
 77 1.8 11.3 33.8#

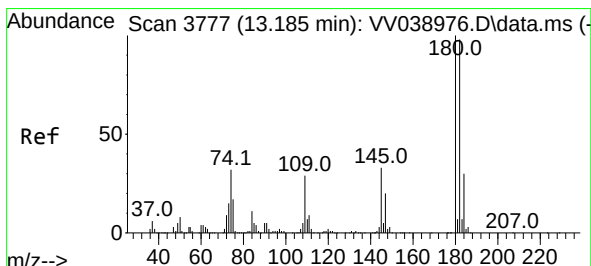
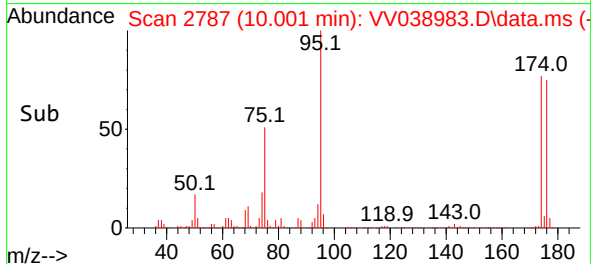
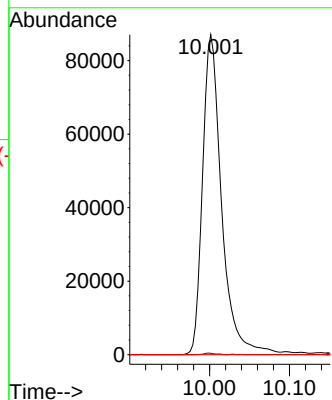
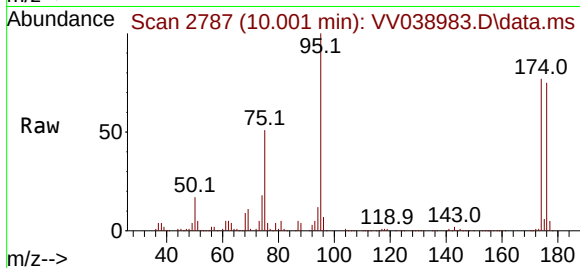




#81
trans-1,4-Dichloro-2-butene
Concen: 84.495 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 144433
Ion Ratio Lower Upper
75 100
53 0.3 70.3 105.5#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.213 ug/l
RT: 13.217 min Scan# 3787
Delta R.T. 0.032 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Tgt Ion:180 Resp: 872
Ion Ratio Lower Upper
180 100
182 96.6 47.3 142.0
145 9.1 16.3 48.8#

