

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038993.D
 Acq On : 21 Aug 2025 20:02
 Operator : SY/MD
 Sample : Q2931-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:37:28 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)

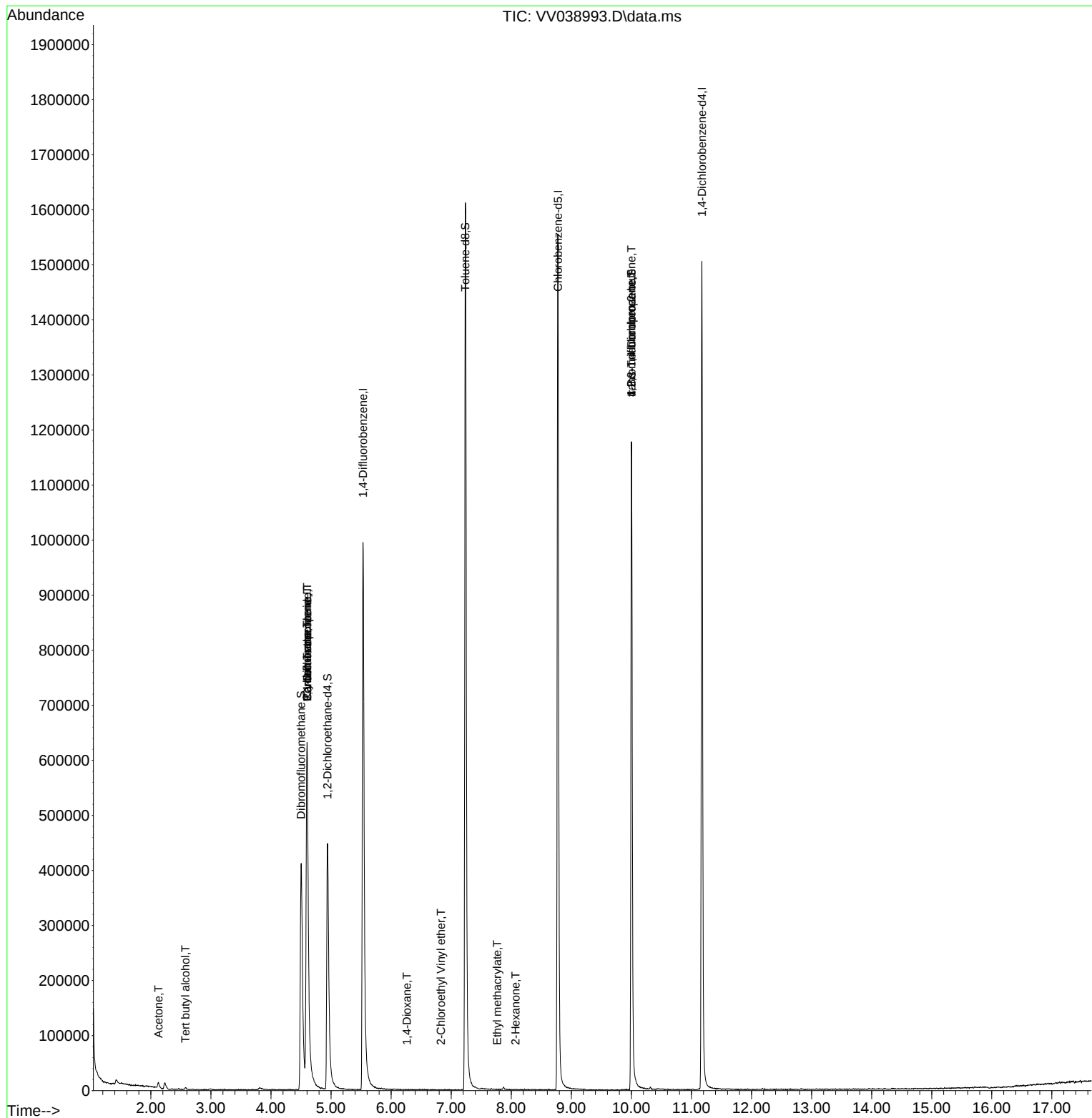
Internal Standards						
1) Pentafluorobenzene	4.603	168	547704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	987111	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	888922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	404520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	408594	53.166	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 106.340%			
35) Dibromofluoromethane	4.503	113	342742	46.299	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 92.600%			
50) Toluene-d8	7.236	98	1146197	44.402	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.800%#			
62) 4-Bromofluorobenzene	10.001	95	403075	42.683	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 85.360%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.574	59	392	0.377	ug/l #	73
13) Acrolein	2.031	56	192	Below Cal	#	75
16) Acetone	2.127	43	11488	3.724	ug/l	99
28) Bromochloromethane	4.217	49	95	Below Cal	#	3
31) Cyclohexane	4.600	56	11435	1.062	ug/l #	1
36) 1,1-Dichloropropene	4.603	75	43198	4.493	ug/l #	49
38) Carbon Tetrachloride	4.603	117	56310	4.374	ug/l #	17
49) 1,4-Dioxane	6.262	88	43	0.400	ug/l #	26
56) Ethyl methacrylate	7.767	69	21	2.317	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.831	63	20	4.988	ug/l #	43
59) 2-Hexanone	8.072	43	43	10.902	ug/l #	21
76) 1,2,3-Trichloropropane	10.001	75	202299	26.961	ug/l #	57
81) trans-1,4-Dichloro-2-b...	10.001	75	202299	61.900	ug/l #	14

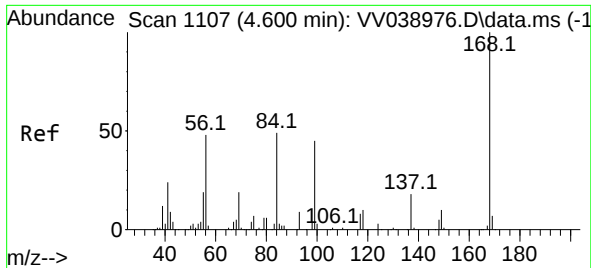
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 22 04:37:28 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

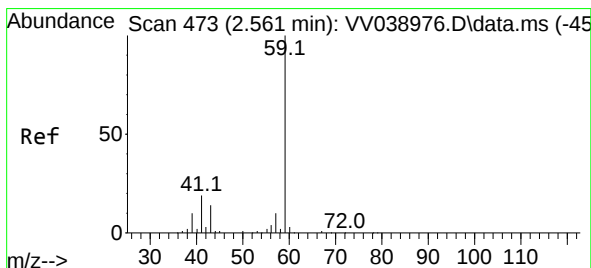
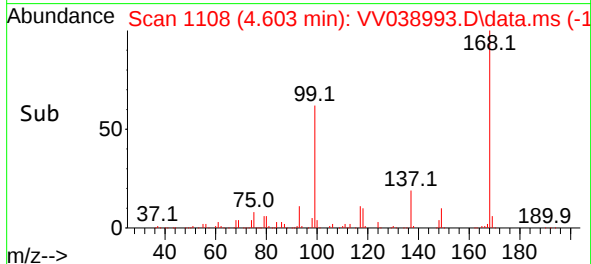
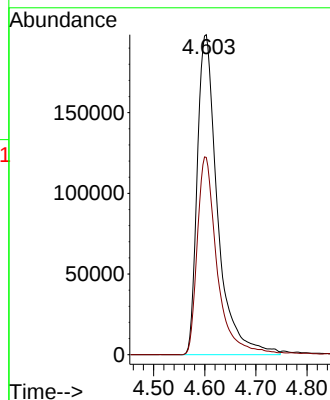
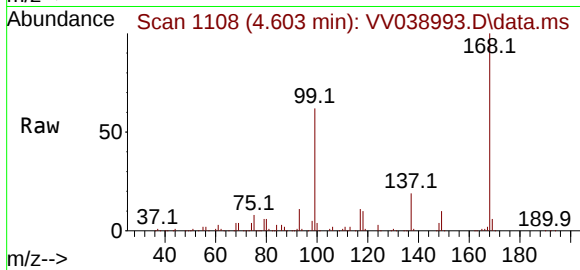




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

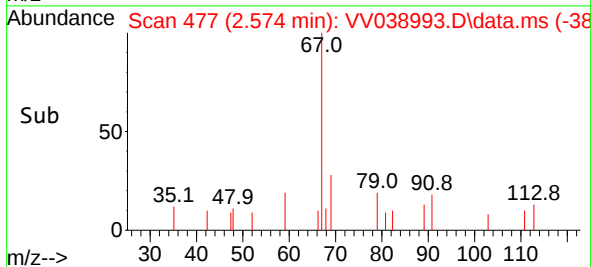
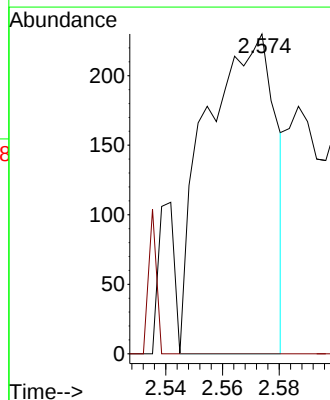
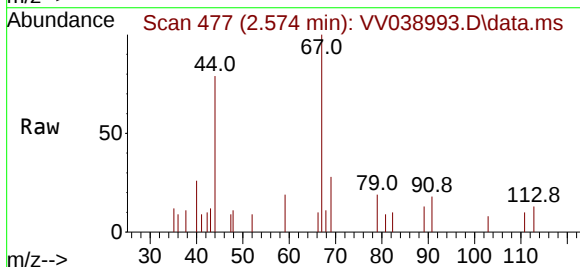
Instrument :
MSVOA_V
ClientSampleId :

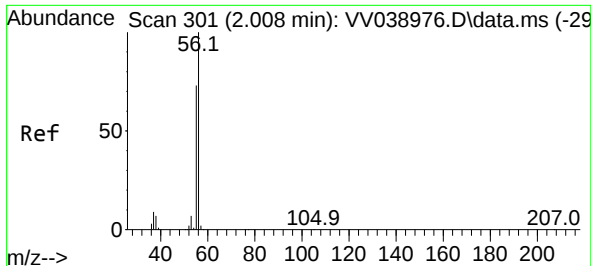
Tgt Ion:168 Resp: 547704
Ion Ratio Lower Upper
168 100
99 61.7 47.0 70.6



#11
Tert butyl alcohol
Concen: 0.377 ug/l
RT: 2.574 min Scan# 477
Delta R.T. 0.013 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

Tgt Ion: 59 Resp: 392
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

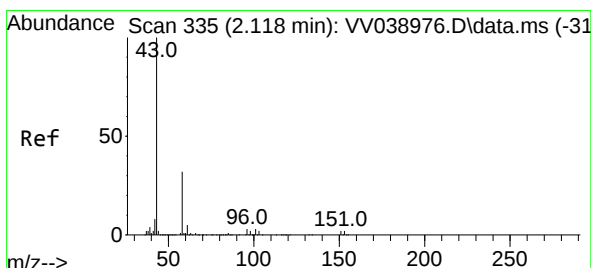
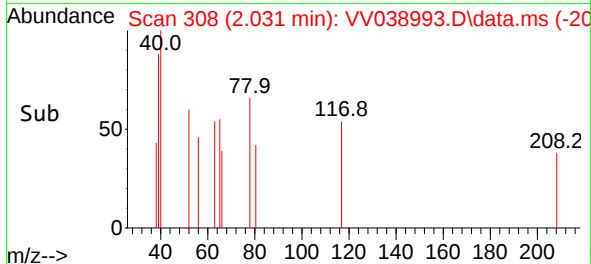
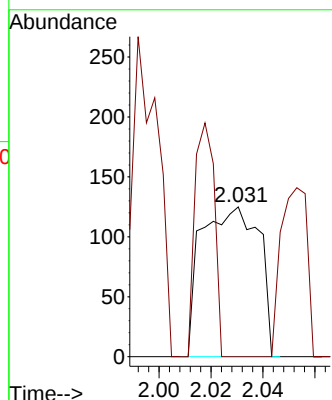
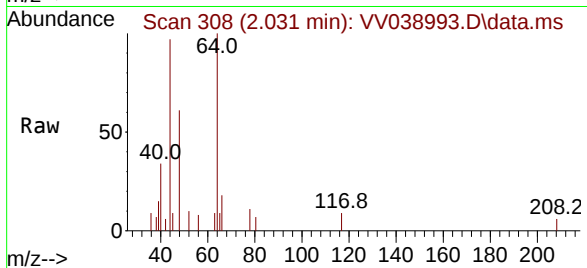




#13
Acrolein
Concen: Below Cal
RT: 2.031 min Scan# 301
Delta R.T. 0.023 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

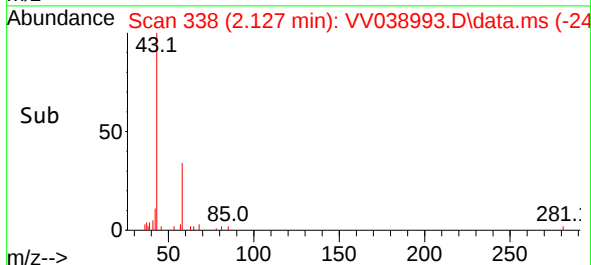
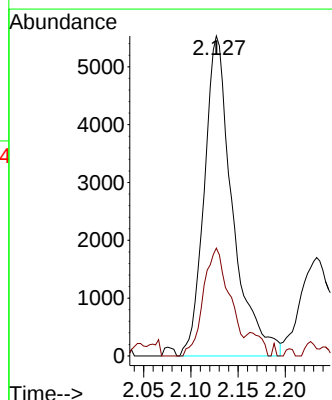
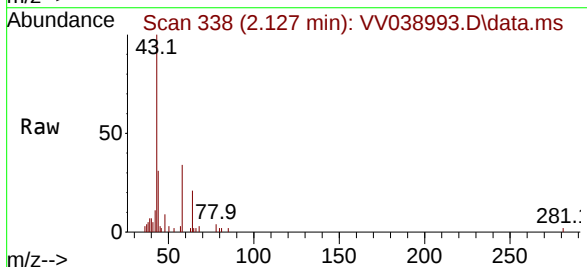
Instrument :
MSVOA_V
ClientSampleId :

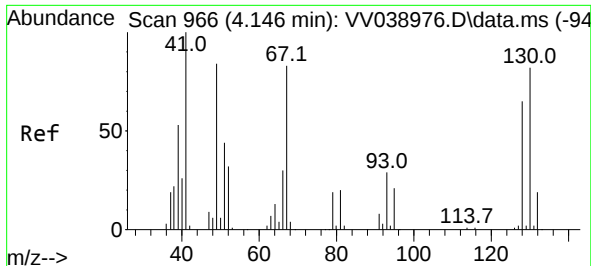
Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 52.6 58.8 88.2#



#16
Acetone
Concen: 3.724 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

Tgt Ion: 43 Resp: 11488
Ion Ratio Lower Upper
43 100
58 33.7 26.3 39.5





#28

Bromochloromethane

Concen: Below Cal

RT: 4.217 min Scan# 91

Delta R.T. 0.071 min

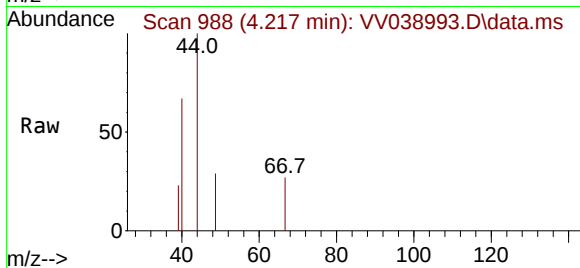
Lab File: VV038993.D

Acq: 21 Aug 2025 20:02

Instrument :

MSVOA_V

ClientSampleId :



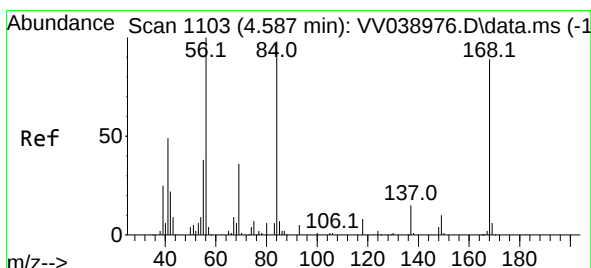
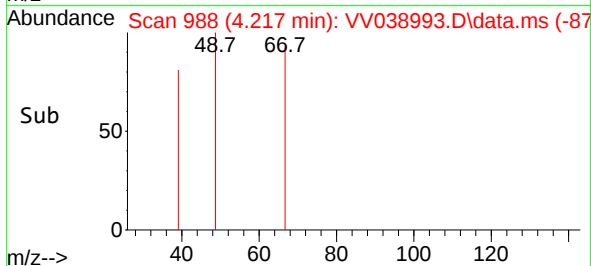
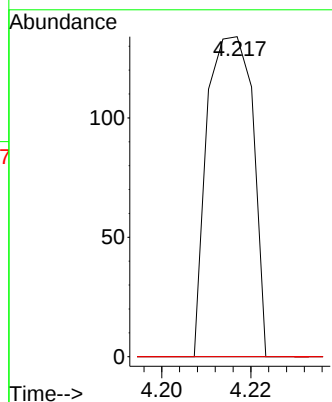
Tgt Ion: 49 Resp: 95

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

130 0.0 78.2 117.2#



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. 0.013 min

Lab File: VV038993.D

Acq: 21 Aug 2025 20:02

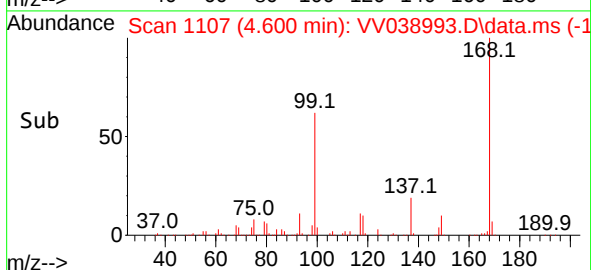
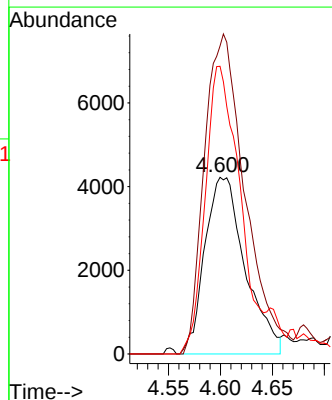
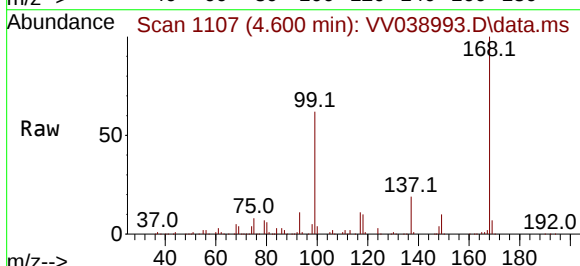
Tgt Ion: 56 Resp: 11435

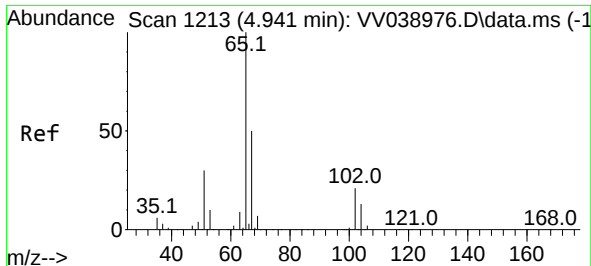
Ion Ratio Lower Upper

56 100

69 174.3 28.6 42.8#

84 162.8 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 53.166 ug/l

RT: 4.940 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038993.D

Acq: 21 Aug 2025 20:02

Instrument :

MSVOA_V

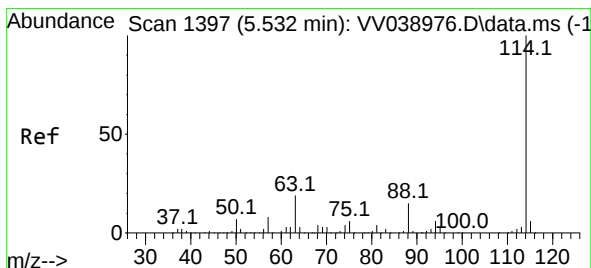
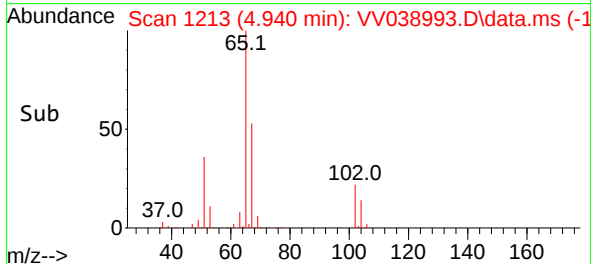
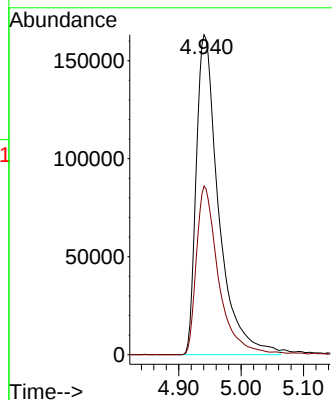
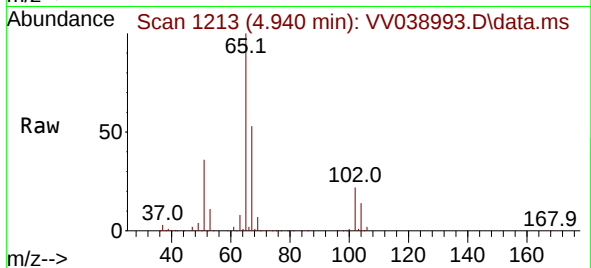
ClientSampleId :

Tgt Ion: 65 Resp: 408594

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: VV038993.D

Acq: 21 Aug 2025 20:02

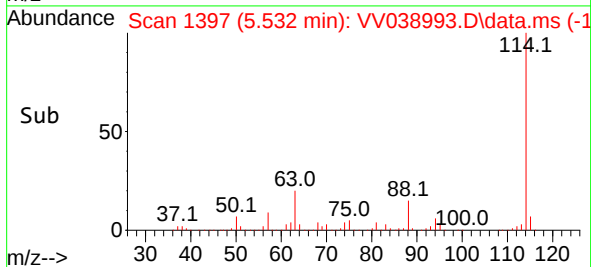
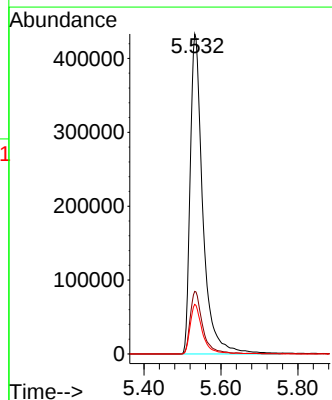
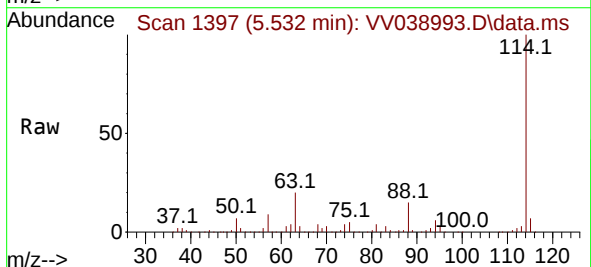
Tgt Ion: 114 Resp: 987111

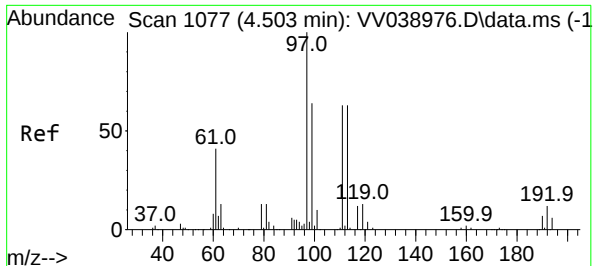
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 15.5 0.0 30.4

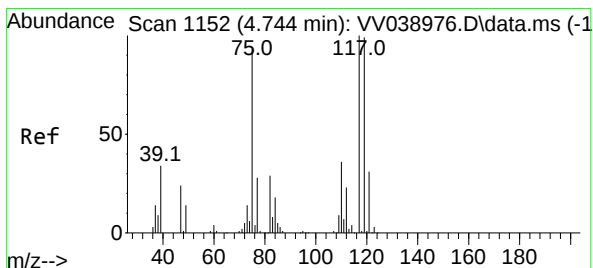
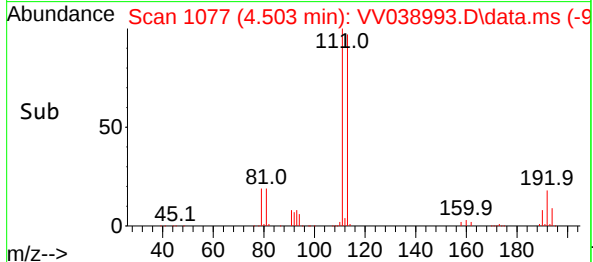
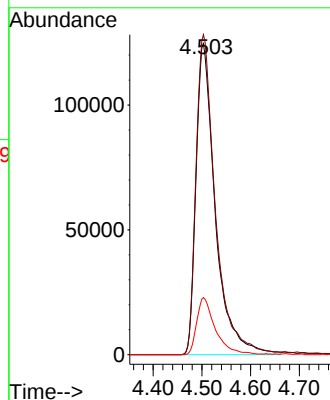
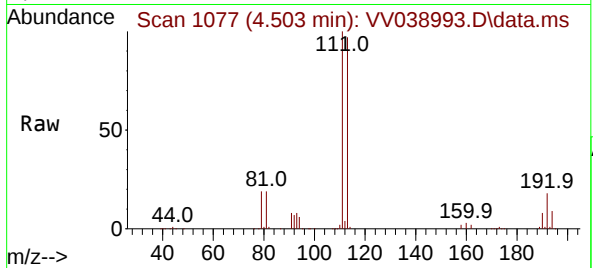




#35
Dibromofluoromethane
Concen: 46.299 ug/l
RT: 4.503 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

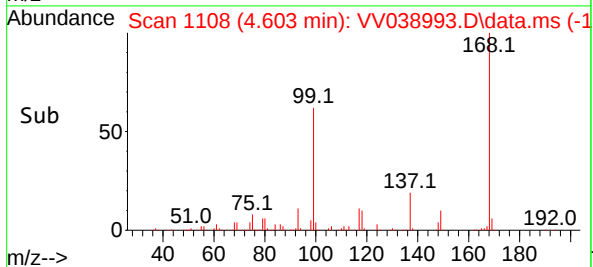
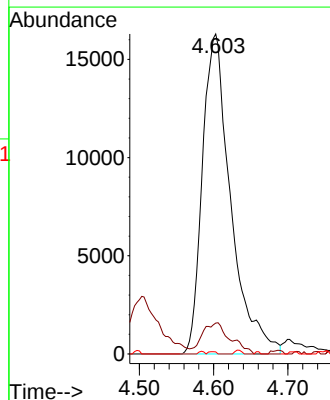
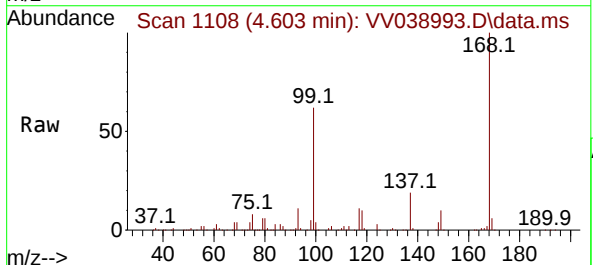
Instrument :
MSVOA_V
ClientSampleId :

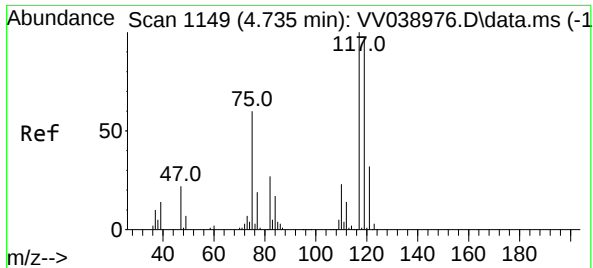
Tgt Ion:113 Resp: 342742
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 17.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.493 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. -0.142 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

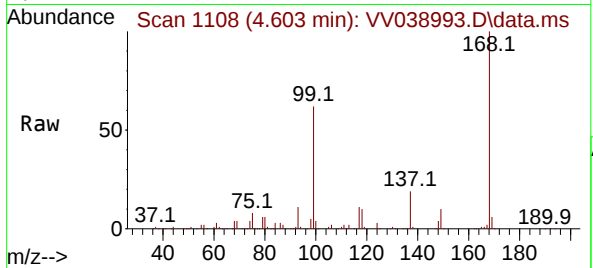
Tgt Ion: 75 Resp: 43198
Ion Ratio Lower Upper
75 100
110 9.7 19.6 58.7#
77 0.2 24.4 36.6#



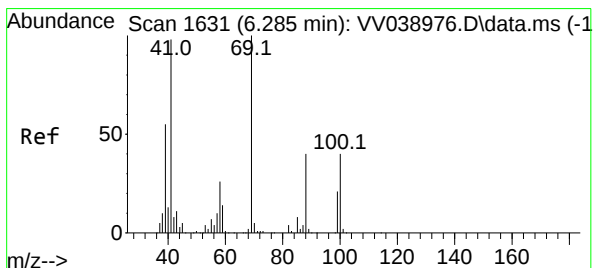
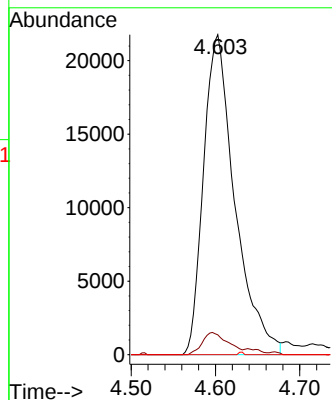
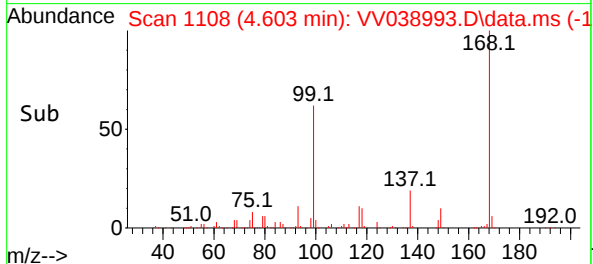


#38
Carbon Tetrachloride
Concen: 4.374 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. -0.132 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

Instrument :
MSVOA_V
ClientSampleId :

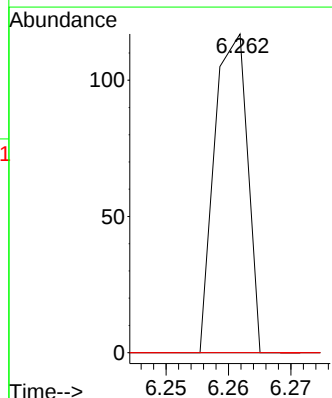
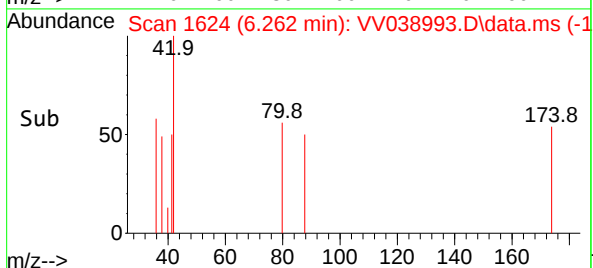
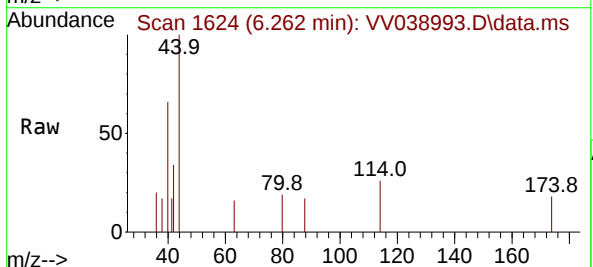


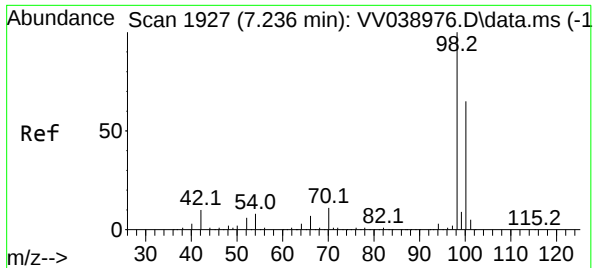
Tgt Ion:117 Resp: 56310
Ion Ratio Lower Upper
117 100
119 6.2 77.1 115.7#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 0.400 ug/l
RT: 6.262 min Scan# 1624
Delta R.T. -0.023 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

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

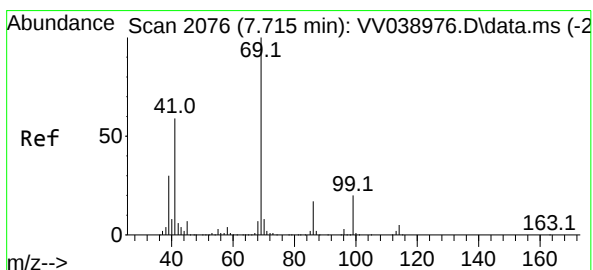
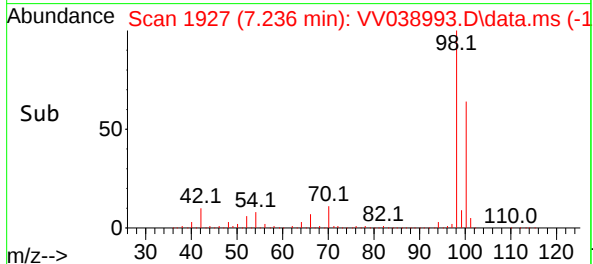
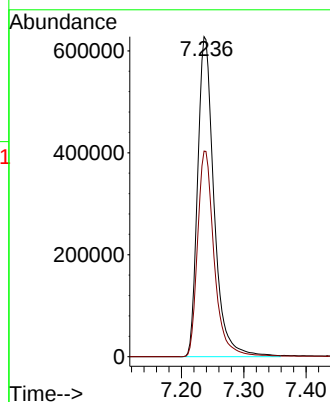
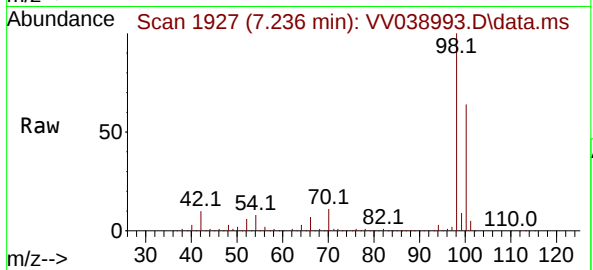




#50
Toluene-d8
Concen: 44.402 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

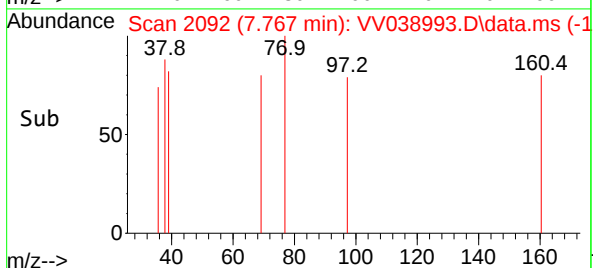
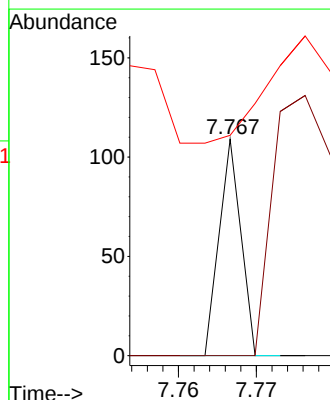
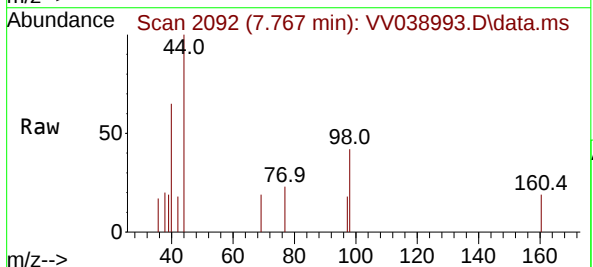
Instrument :
MSVOA_V
ClientSampleId :

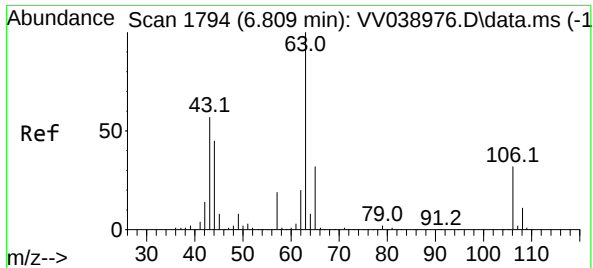
Tgt Ion: 98 Resp: 1146197
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#56
Ethyl methacrylate
Concen: 2.317 ug/l
RT: 7.767 min Scan# 2092
Delta R.T. 0.052 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 328.6 47.5 71.3#
39 528.6 24.2 36.2#

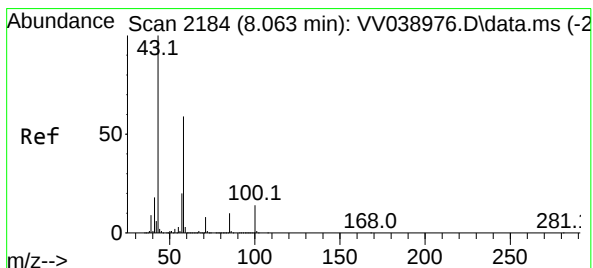
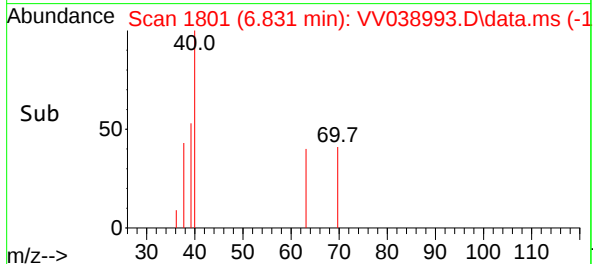
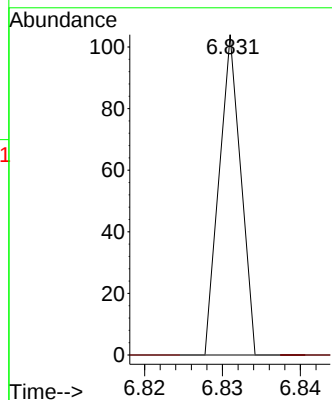
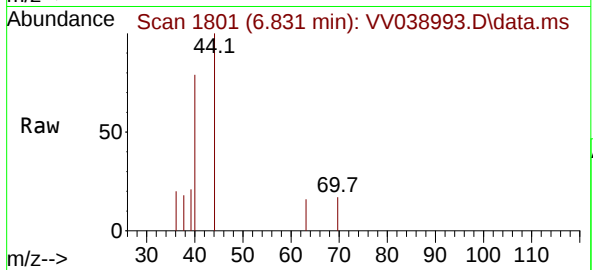




#58
2-Chloroethyl Vinyl ether
Concen: 4.988 ug/l
RT: 6.831 min Scan# 11
Delta R.T. 0.022 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

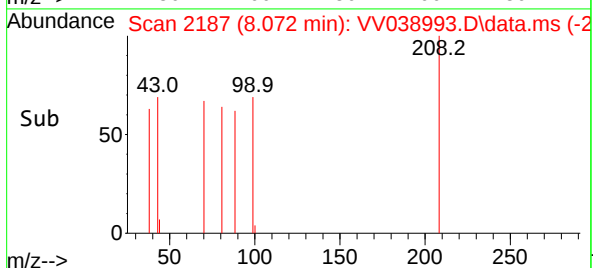
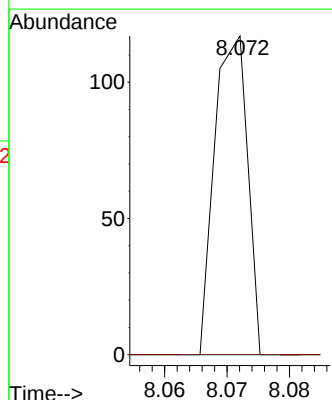
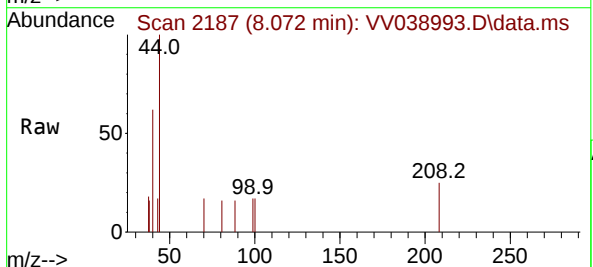
Instrument :
MSVOA_V
ClientSampleId :

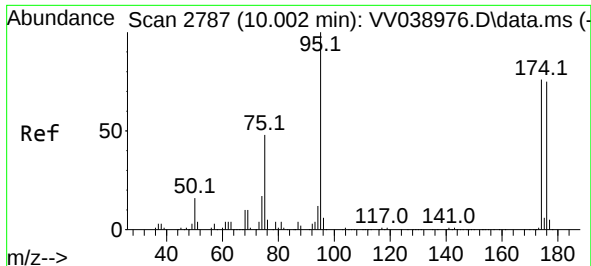
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 10.902 ug/l
RT: 8.072 min Scan# 2187
Delta R.T. 0.009 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

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

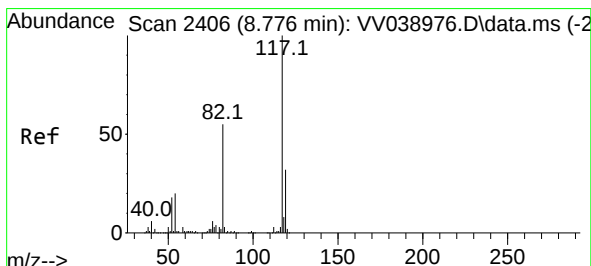
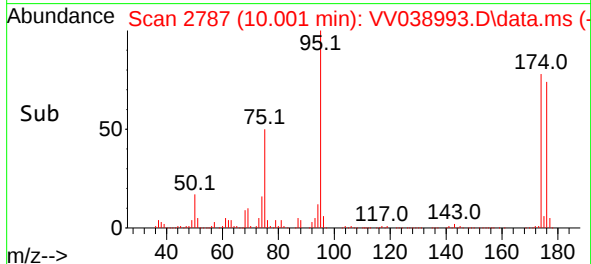
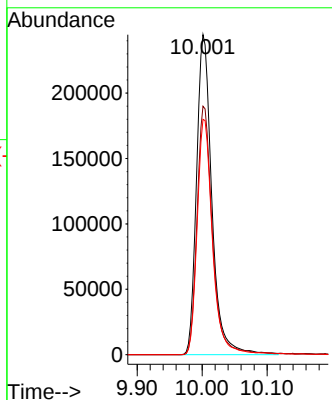
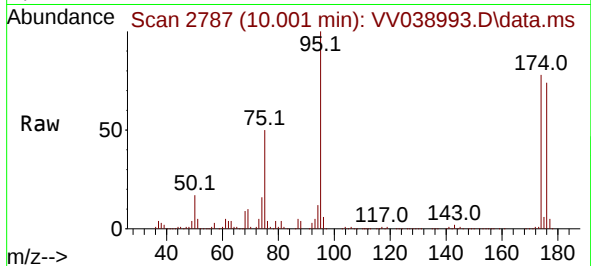




#62
4-Bromofluorobenzene
Concen: 42.683 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

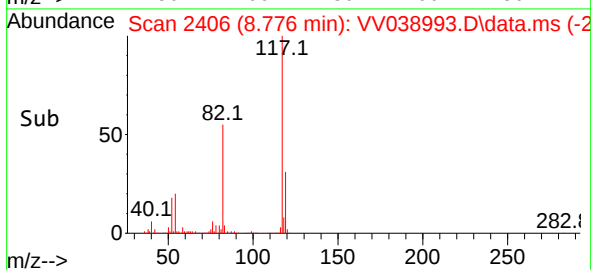
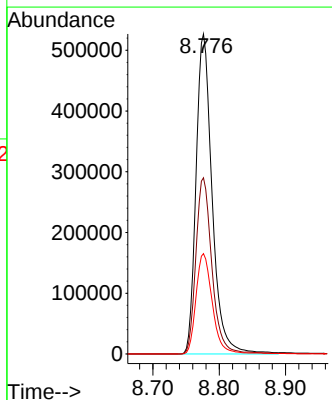
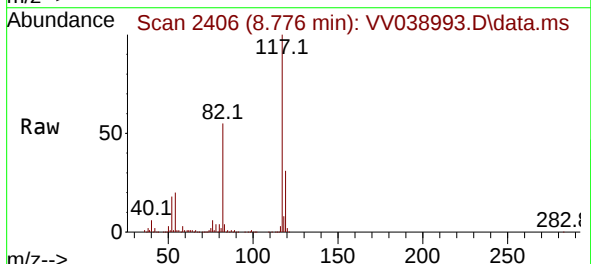
Instrument :
MSVOA_V
ClientSampleId :

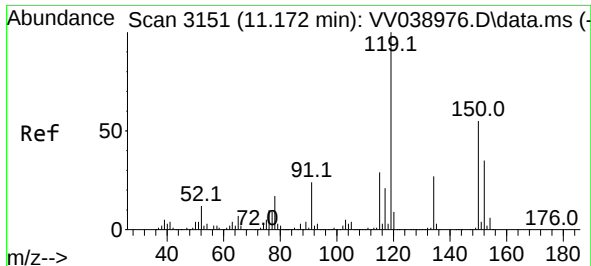
Tgt Ion: 95 Resp: 403075
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.4
176 73.8 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038993.D
Acq: 21 Aug 2025 20:02

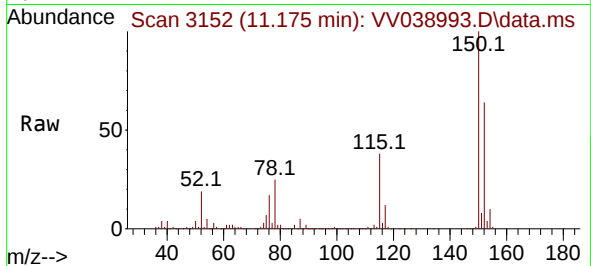
Tgt Ion: 117 Resp: 888922
Ion Ratio Lower Upper
117 100
82 55.0 44.4 66.6
119 31.4 26.0 39.0



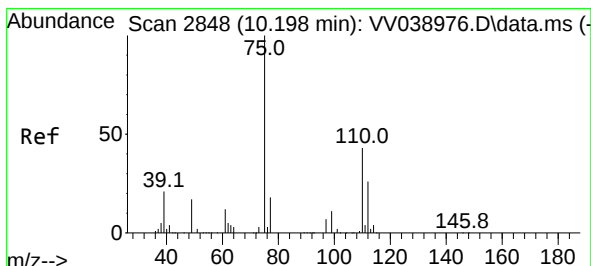
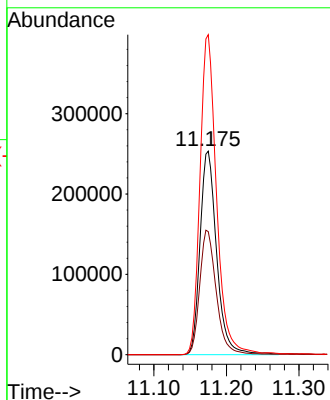
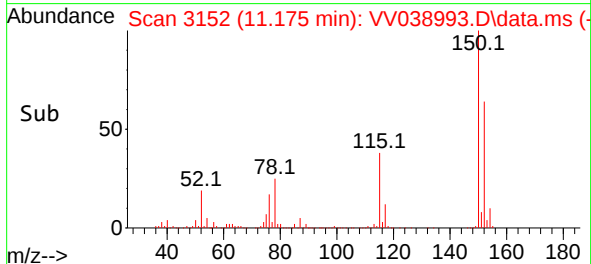


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV038993.D
 Acq: 21 Aug 2025 20:02

Instrument :
 MSVOA_V
 ClientSampleId :

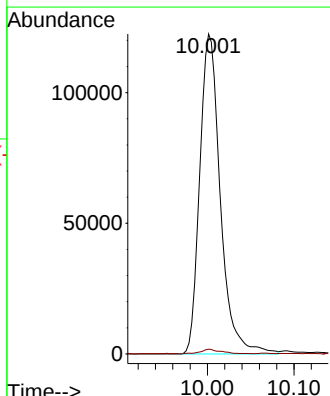
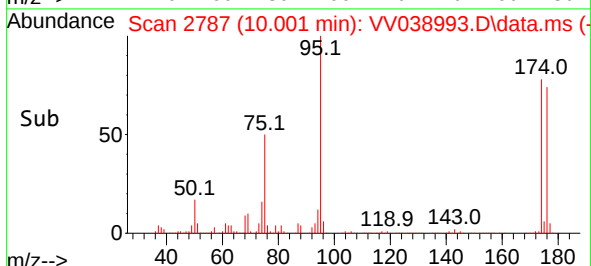
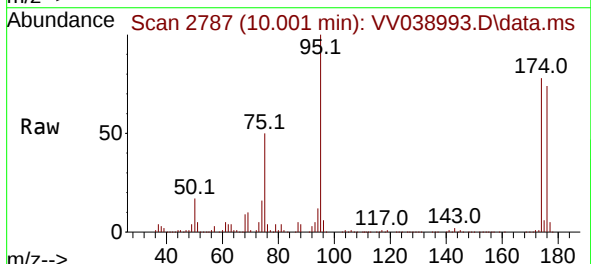


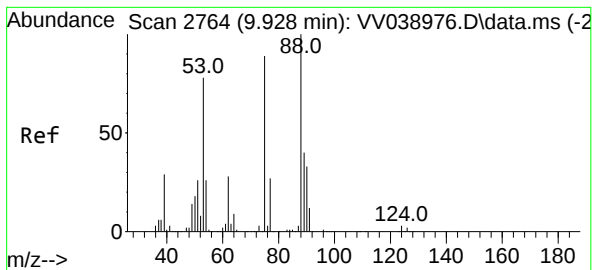
Tgt Ion:152 Resp: 404520
 Ion Ratio Lower Upper
 152 100
 115 60.7 42.5 127.5
 150 156.1 0.0 344.8



#76
 1,2,3-Trichloropropane
 Concen: 26.961 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV038993.D
 Acq: 21 Aug 2025 20:02

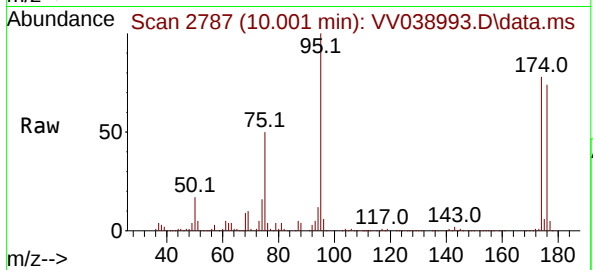
Tgt Ion: 75 Resp: 202299
 Ion Ratio Lower Upper
 75 100
 77 1.6 11.3 33.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.900 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV038993.D
 Acq: 21 Aug 2025 20:02

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 202299
 Ion Ratio Lower Upper
 75 100
 53 0.4 70.3 105.5#
 89 0.0 37.9 56.9#

