

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038991.D
 Acq On : 21 Aug 2025 19:18
 Operator : SY/MD
 Sample : Q2930-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:36:42 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)

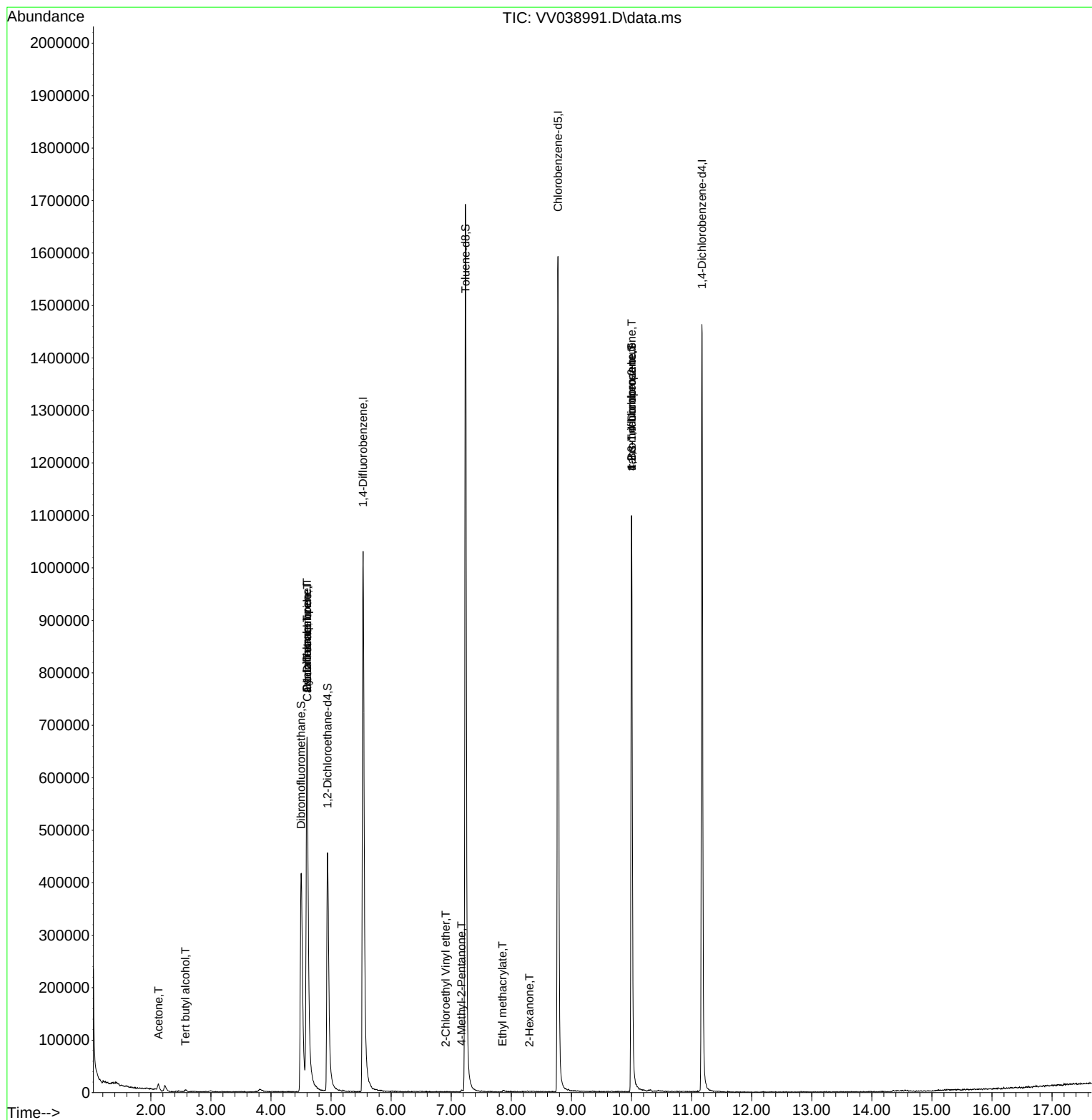
Internal Standards						
1) Pentafluorobenzene	4.600	168	584299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1018996	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	897248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	391469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	416123	50.755	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	101.500%
35) Dibromofluoromethane	4.500	113	352048	46.068	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	92.140%
50) Toluene-d8	7.236	98	1183190	44.401	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.800%#
62) 4-Bromofluorobenzene	10.001	95	373770	38.341	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	76.680%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.574	59	513	0.462	ug/l #	83
13) Acrolein	2.024	56	361	Below Cal	#	13
16) Acetone	2.127	43	13859	4.212	ug/l	97
28) Bromochloromethane	4.130	49	46	Below Cal	#	3
31) Cyclohexane	4.600	56	12595	1.096	ug/l #	4
36) 1,1-Dichloropropene	4.600	75	46681	4.704	ug/l #	49
38) Carbon Tetrachloride	4.603	117	61982	4.664	ug/l #	16
51) 4-Methyl-2-Pentanone	7.172	43	2876	0.296	ug/l #	67
56) Ethyl methacrylate	7.854	69	41	2.318	ug/l #	78
58) 2-Chloroethyl Vinyl ether	6.908	63	64	4.995	ug/l #	43
59) 2-Hexanone	8.301	43	257	10.921	ug/l	78
76) 1,2,3-Trichloropropane	10.001	75	187817	25.866	ug/l #	57
81) trans-1,4-Dichloro-2-b...	10.001	75	187817	59.385	ug/l #	14

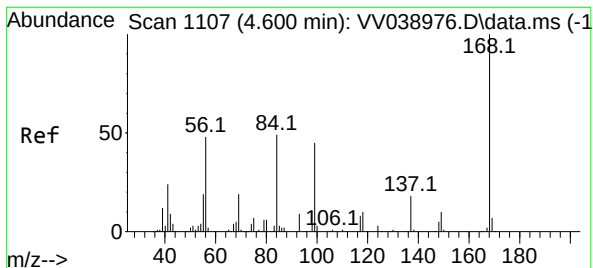
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 22 04:36:42 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# 11

Delta R.T. -0.000 min

Lab File: VV038991.D

Acq: 21 Aug 2025 19:18

Instrument :

MSVOA_V

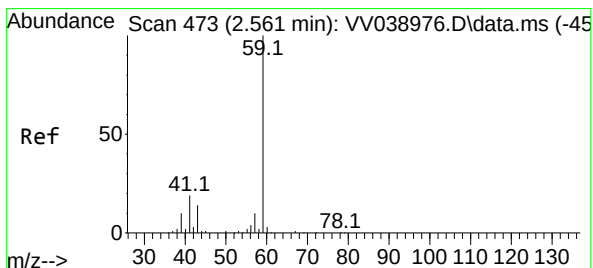
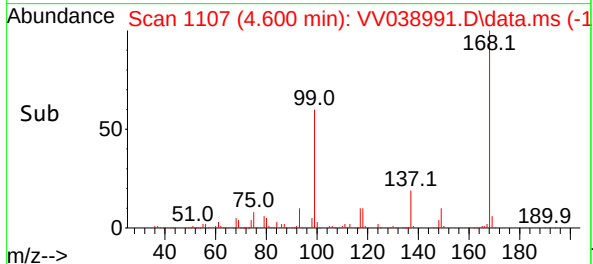
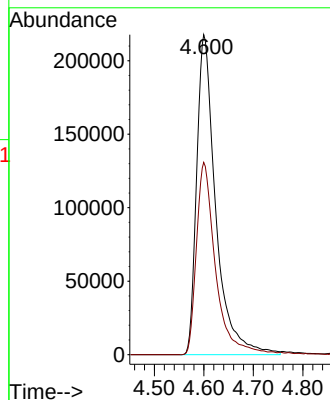
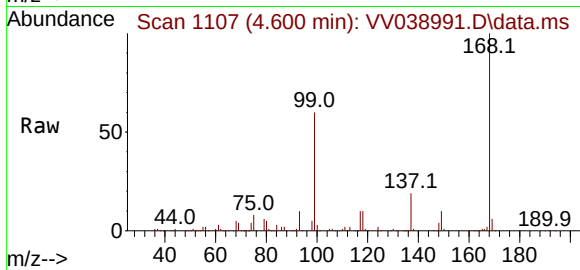
ClientSampleId :

Tgt Ion:168 Resp: 584299

Ion Ratio Lower Upper

168 100

99 60.1 47.0 70.6



#11

Tert butyl alcohol

Concen: 0.462 ug/l

RT: 2.574 min Scan# 477

Delta R.T. 0.013 min

Lab File: VV038991.D

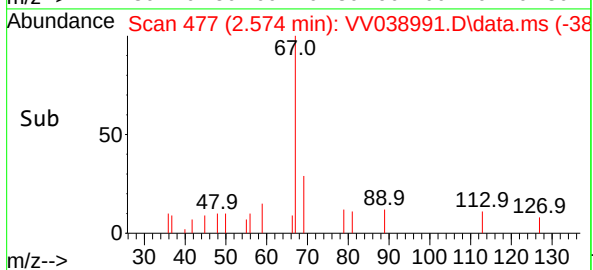
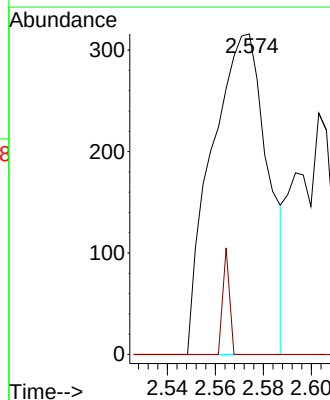
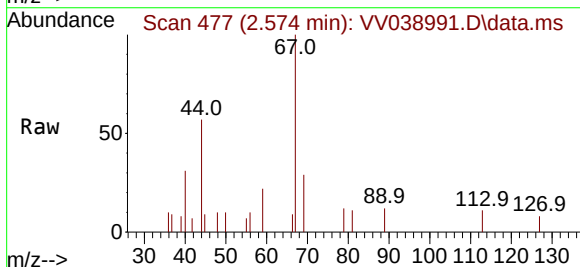
Acq: 21 Aug 2025 19:18

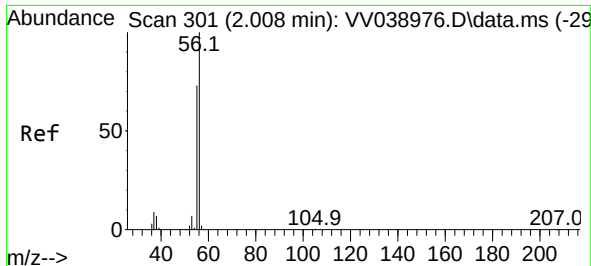
Tgt Ion: 59 Resp: 513

Ion Ratio Lower Upper

59 100

57 3.9 8.1 12.1#

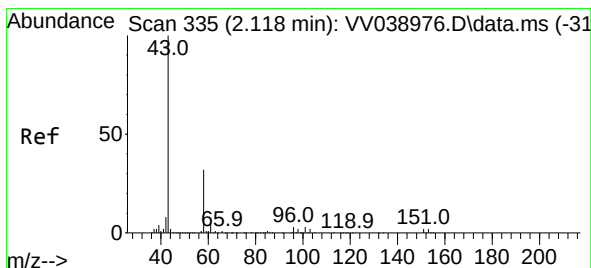
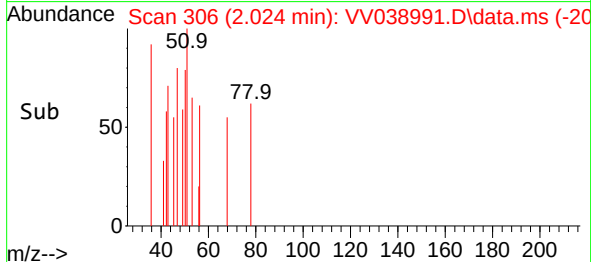
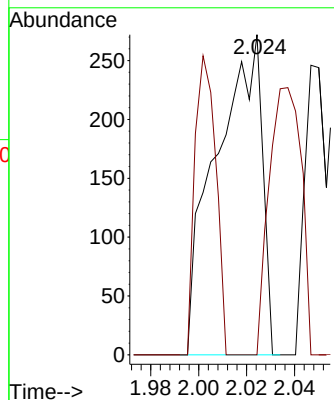
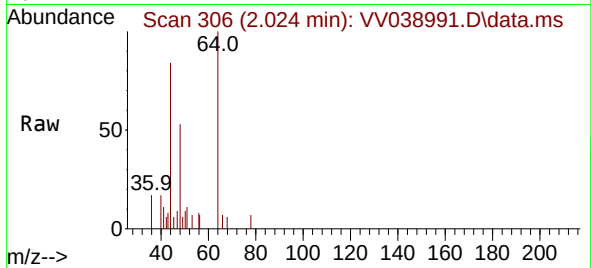




#13
Acrolein
Concen: Below Cal
RT: 2.024 min Scan# 301
Delta R.T. 0.016 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

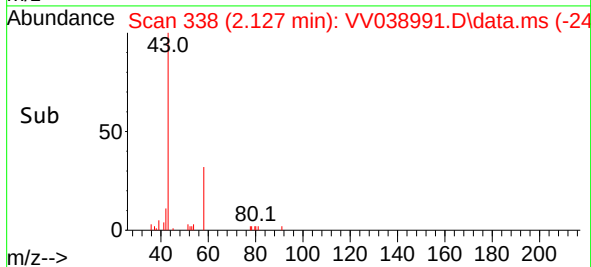
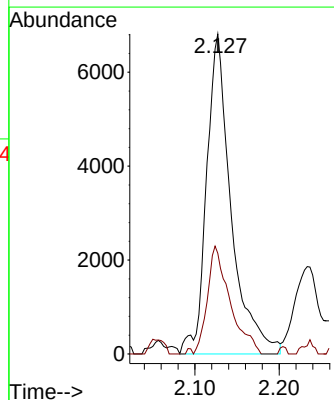
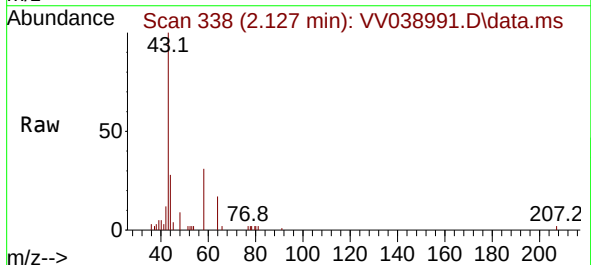
Instrument :
MSVOA_V
ClientSampleId :

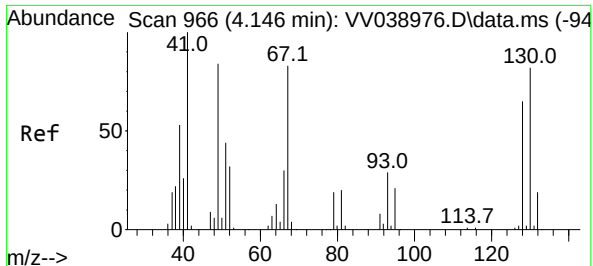
Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#



#16
Acetone
Concen: 4.212 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.010 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

Tgt Ion: 43 Resp: 13859
Ion Ratio Lower Upper
43 100
58 31.5 26.3 39.5





#28

Bromochloromethane

Concen: Below Cal

RT: 4.130 min Scan# 90

Delta R.T. -0.016 min

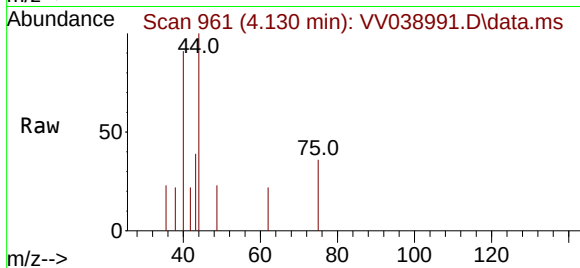
Lab File: VV038991.D

Acq: 21 Aug 2025 19:18

Instrument :

MSVOA_V

ClientSampleId :



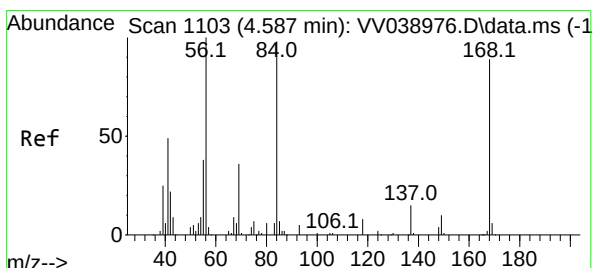
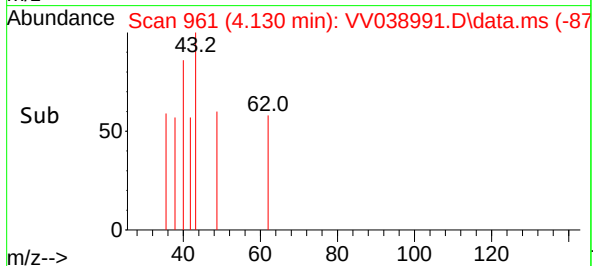
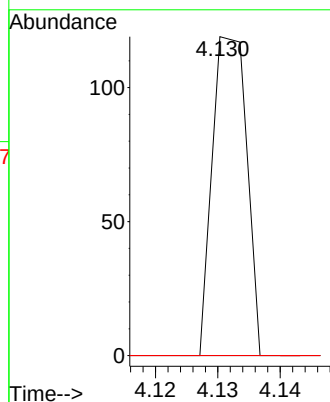
Tgt Ion: 49 Resp: 46

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

130 0.0 78.2 117.2#



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. 0.013 min

Lab File: VV038991.D

Acq: 21 Aug 2025 19:18

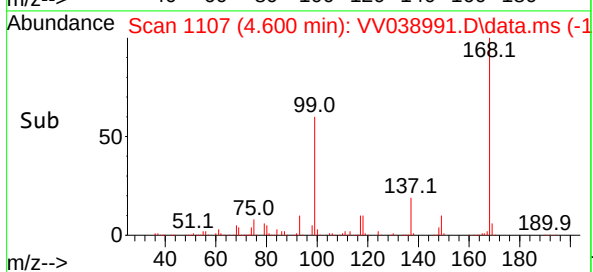
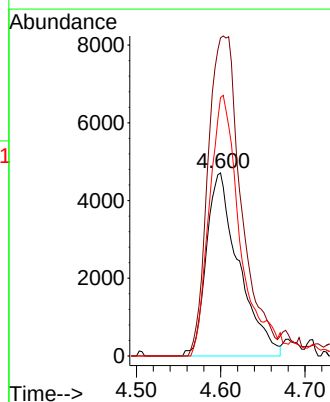
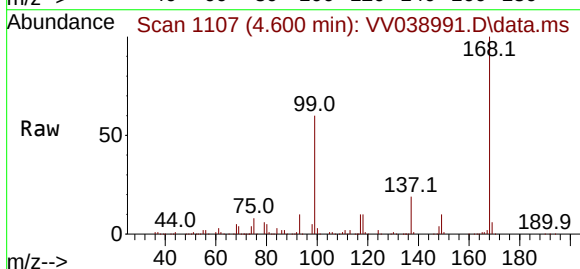
Tgt Ion: 56 Resp: 12595

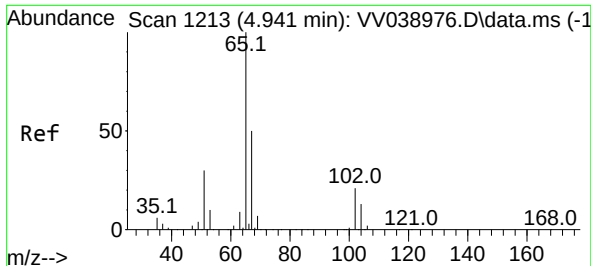
Ion Ratio Lower Upper

56 100

69 173.8 28.6 42.8#

84 141.2 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 50.755 ug/l

RT: 4.941 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038991.D

Acq: 21 Aug 2025 19:18

Instrument :

MSVOA_V

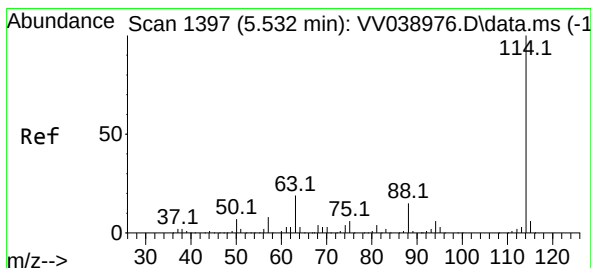
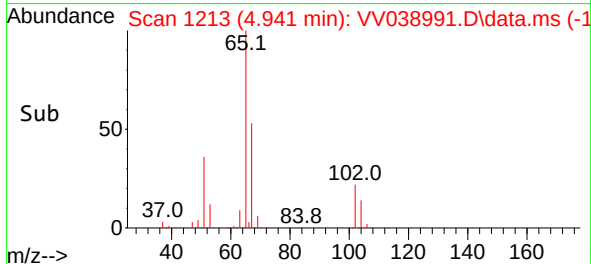
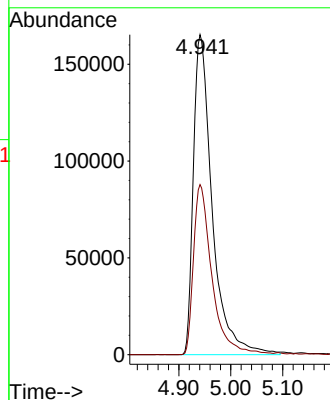
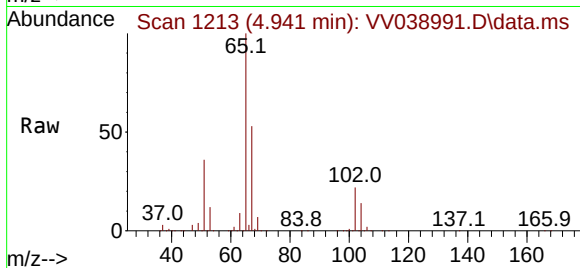
ClientSampleId :

Tgt Ion: 65 Resp: 416123

Ion Ratio Lower Upper

65 100

67 52.1 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: VV038991.D

Acq: 21 Aug 2025 19:18

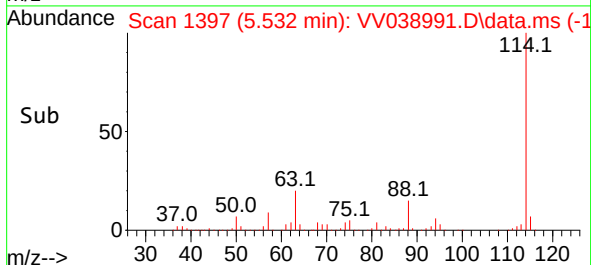
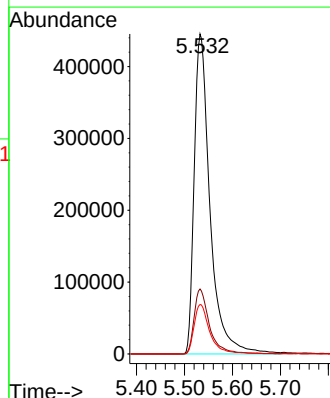
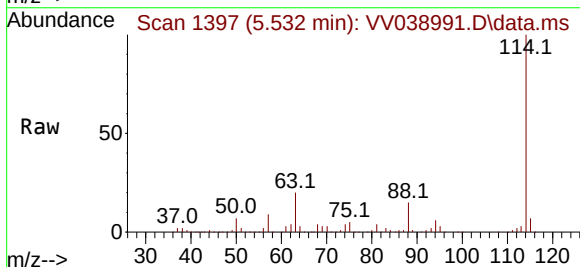
Tgt Ion: 114 Resp: 1018996

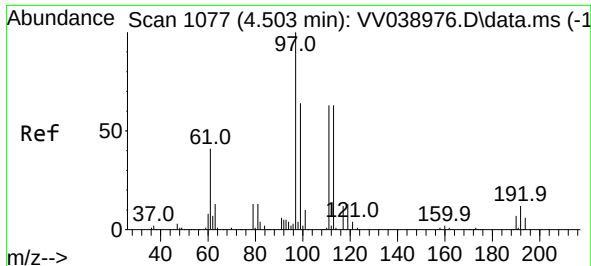
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 15.5 0.0 30.4

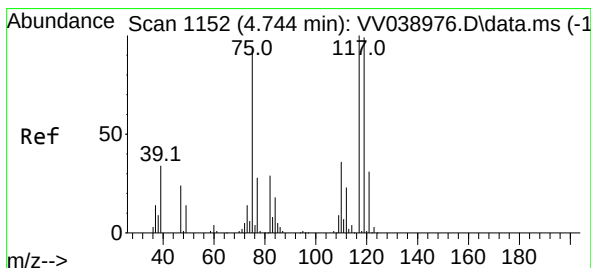
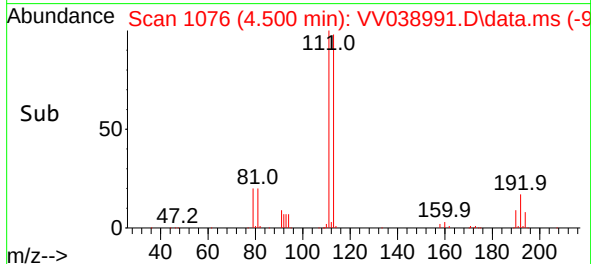
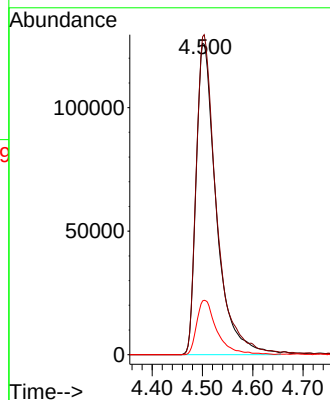
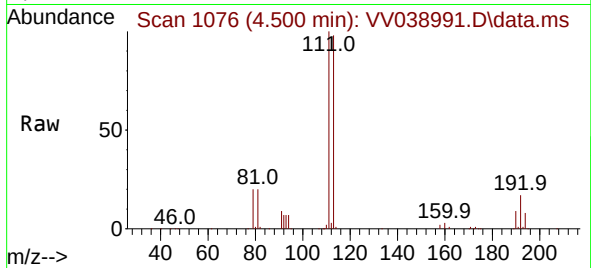




#35
Dibromofluoromethane
Concen: 46.068 ug/l
RT: 4.500 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

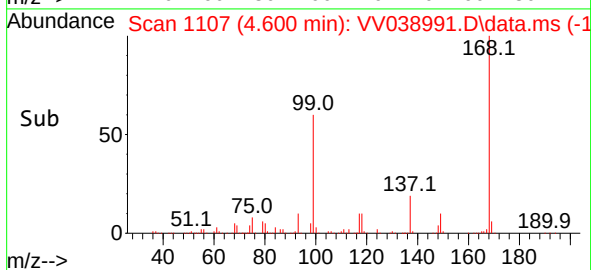
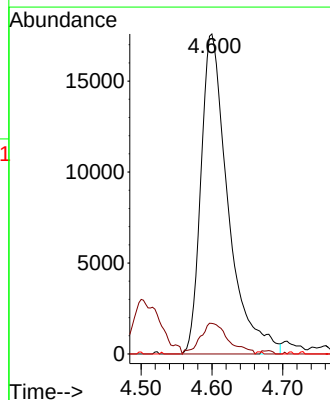
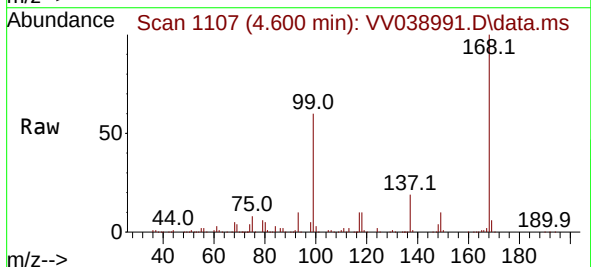
Instrument :
MSVOA_V
ClientSampleId :

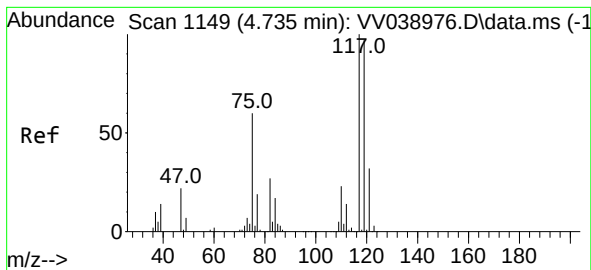
Tgt Ion:113 Resp: 352048
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 17.3 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.145 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

Tgt Ion: 75 Resp: 46681
Ion Ratio Lower Upper
75 100
110 9.7 19.6 58.7#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.664 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. -0.132 min

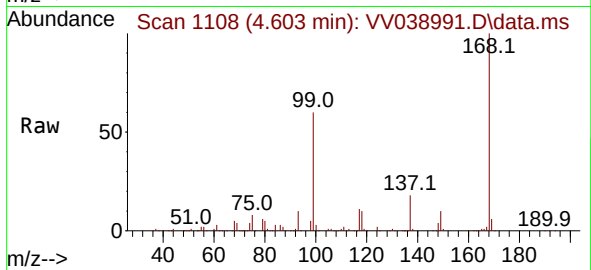
Lab File: VV038991.D

Acq: 21 Aug 2025 19:18

Instrument :

MSVOA_V

ClientSampleId :



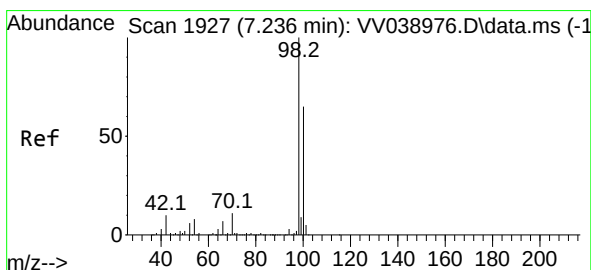
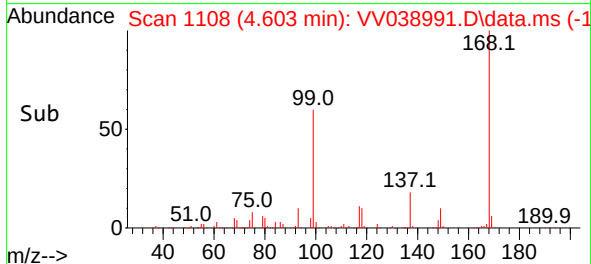
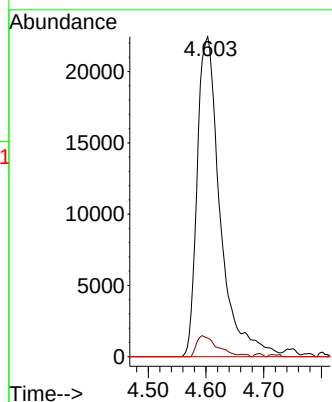
Tgt Ion:117 Resp: 61982

Ion Ratio Lower Upper

117 100

119 5.8 77.1 115.7#

121 0.0 25.4 38.2#



#50

Toluene-d8

Concen: 44.401 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV038991.D

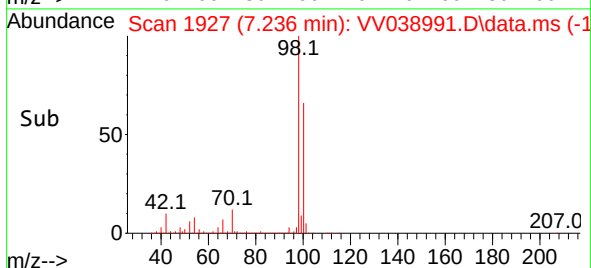
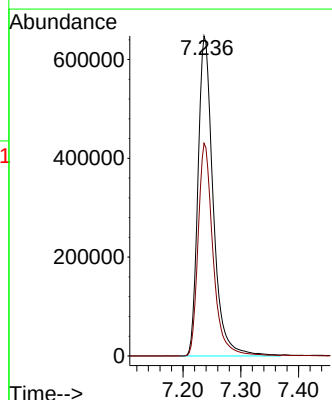
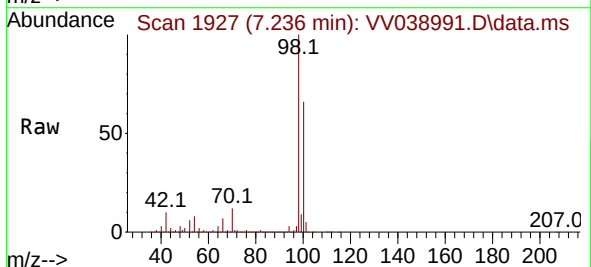
Acq: 21 Aug 2025 19:18

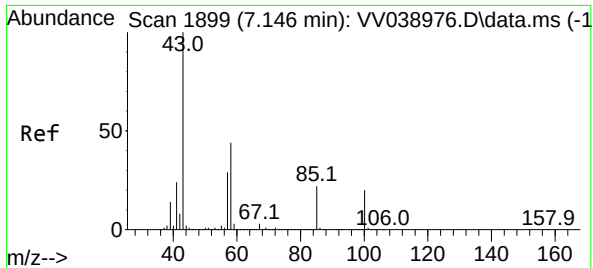
Tgt Ion: 98 Resp: 1183190

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2

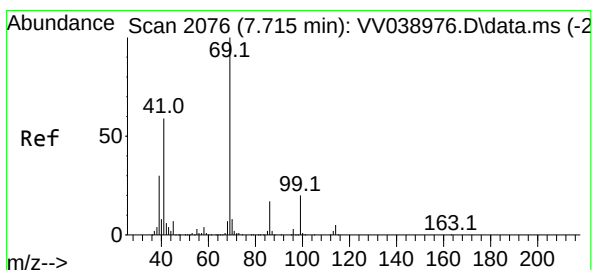
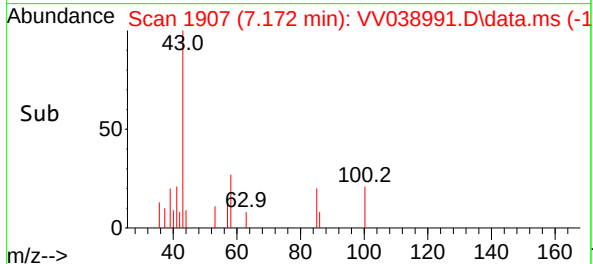
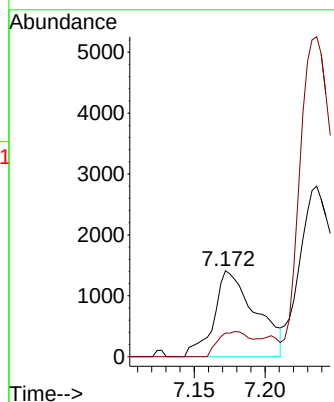
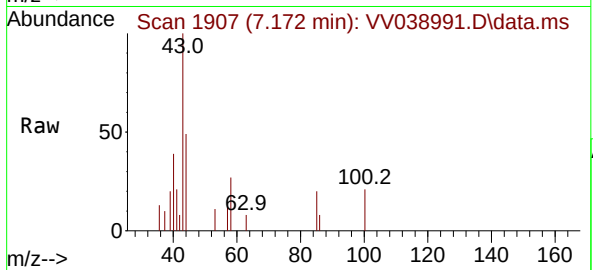




#51
4-Methyl-2-Pentanone
Concen: 0.296 ug/l
RT: 7.172 min Scan# 1199
Delta R.T. 0.026 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

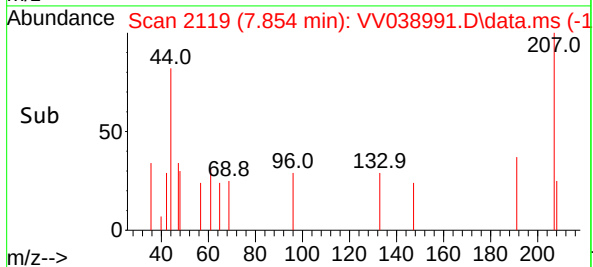
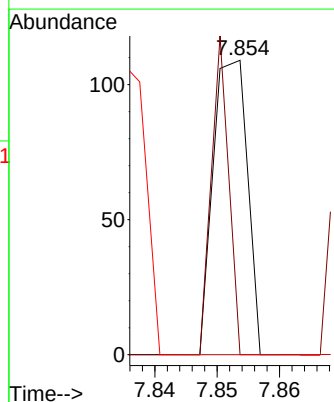
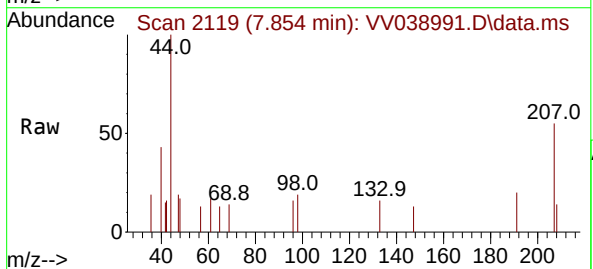
Instrument :
MSVOA_V
ClientSampleId :

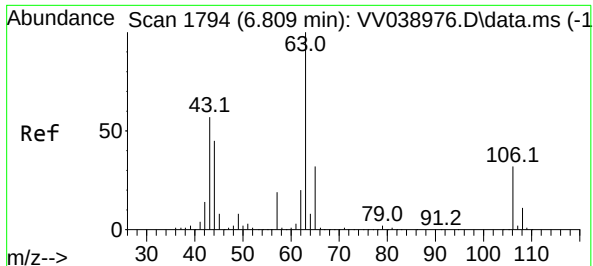
Tgt Ion: 43 Resp: 2876
Ion Ratio Lower Upper
43 100
58 21.9 34.6 51.8#



#56
Ethyl methacrylate
Concen: 2.318 ug/l
RT: 7.854 min Scan# 2119
Delta R.T. 0.139 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

Tgt Ion: 69 Resp: 41
Ion Ratio Lower Upper
69 100
41 56.1 47.5 71.3
39 0.0 24.2 36.2#

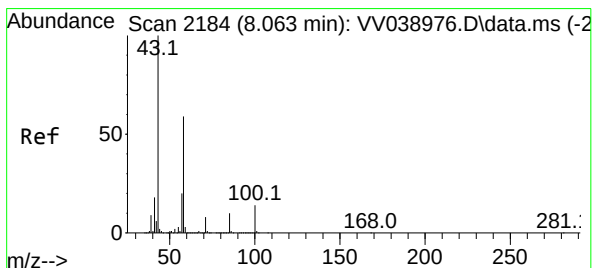
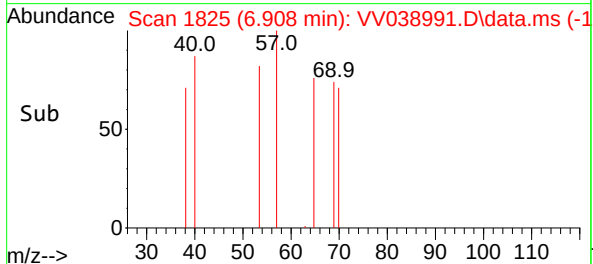
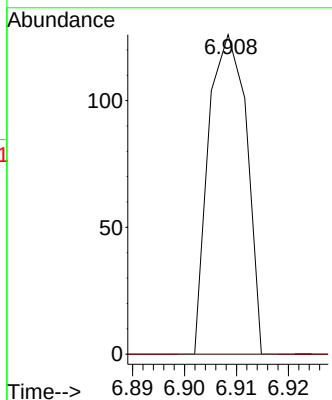
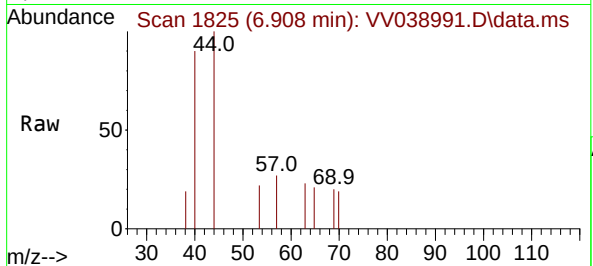




#58
2-Chloroethyl Vinyl ether
Concen: 4.995 ug/l
RT: 6.908 min Scan# 11
Delta R.T. 0.099 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

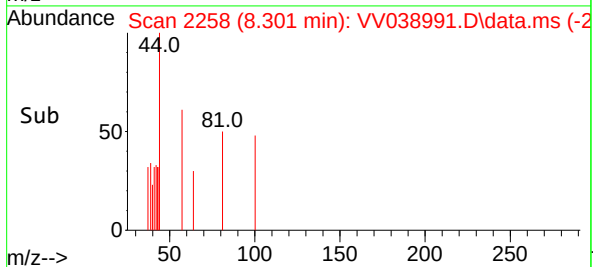
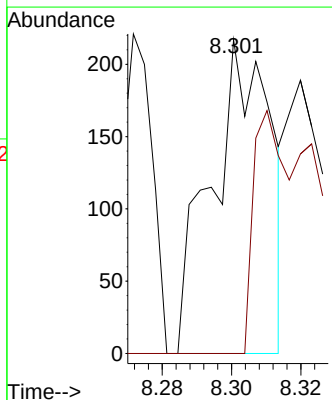
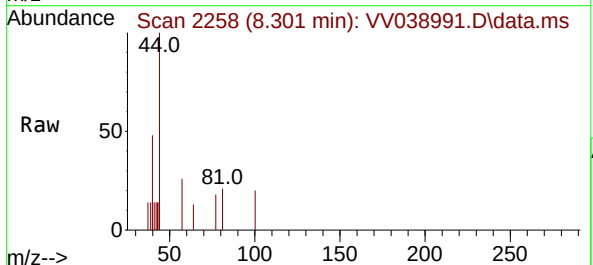
Instrument :
MSVOA_V
ClientSampleId :

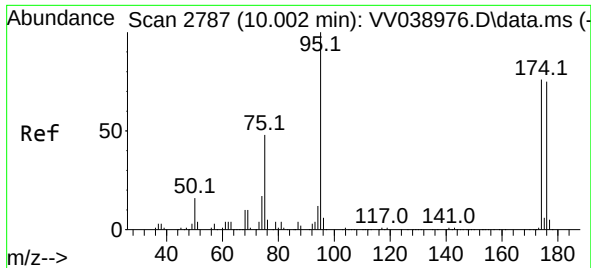
Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 10.921 ug/l
RT: 8.301 min Scan# 2258
Delta R.T. 0.238 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
58 43.2 29.8 89.4

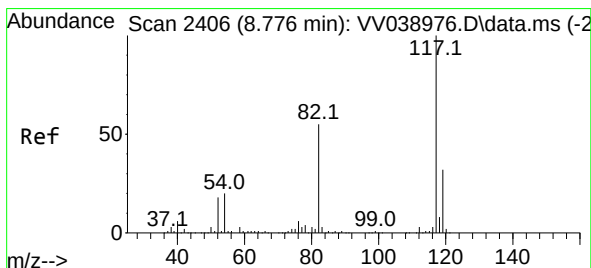
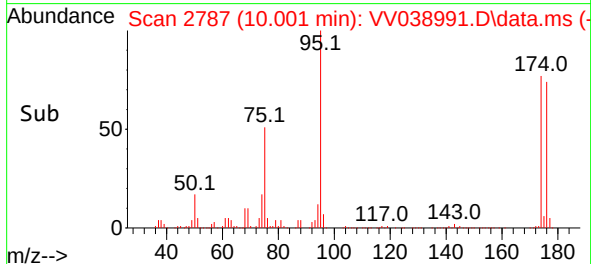
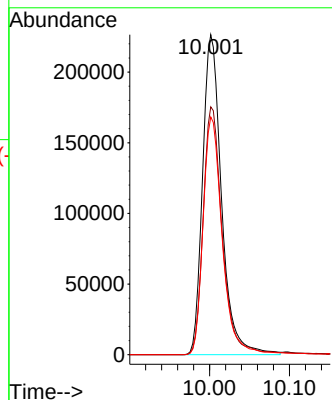
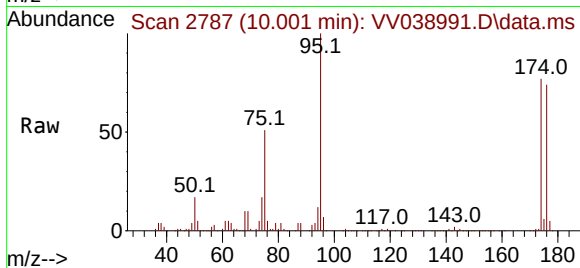




#62
4-Bromofluorobenzene
Concen: 38.341 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

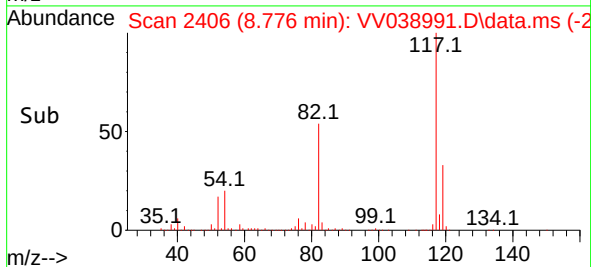
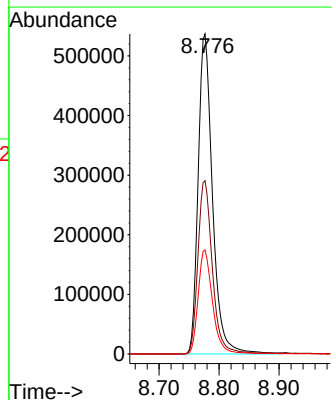
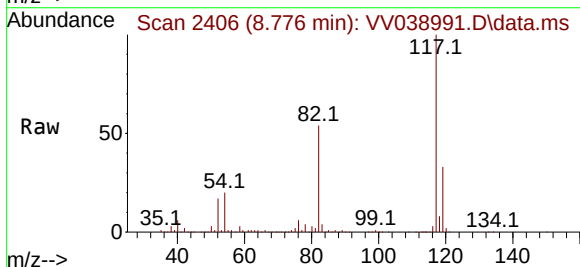
Instrument :
MSVOA_V
ClientSampleId :

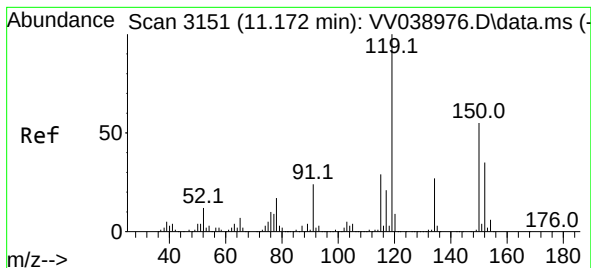
Tgt Ion: 95 Resp: 373770
Ion Ratio Lower Upper
95 100
174 79.1 0.0 154.4
176 75.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038991.D
Acq: 21 Aug 2025 19:18

Tgt Ion: 117 Resp: 897248
Ion Ratio Lower Upper
117 100
82 54.1 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# 3151

Delta R.T. 0.003 min

Lab File: VV038991.D

Acq: 21 Aug 2025 19:18

Instrument :

MSVOA_V

ClientSampleId :

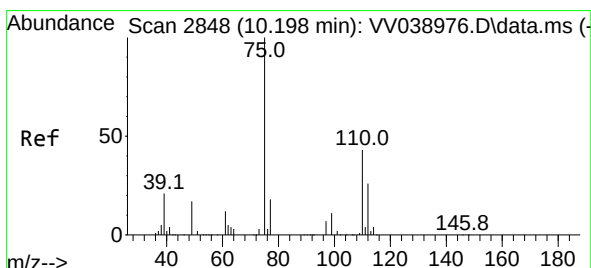
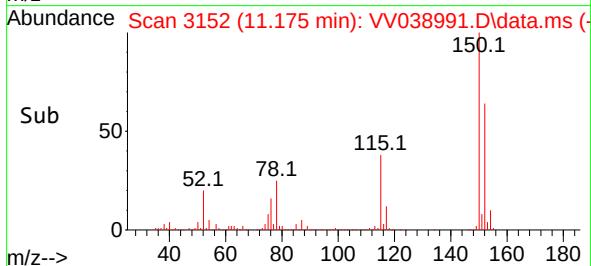
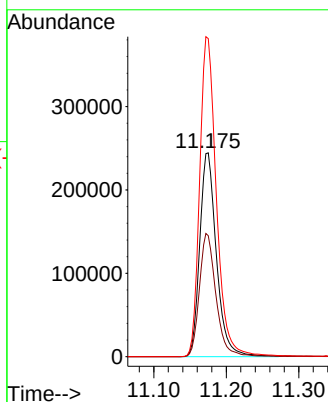
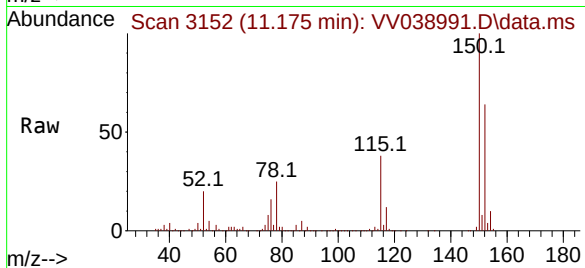
Tgt Ion:152 Resp: 391469

Ion Ratio Lower Upper

152 100

115 60.1 42.5 127.5

150 157.7 0.0 344.8



#76

1,2,3-Trichloropropane

Concen: 25.866 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV038991.D

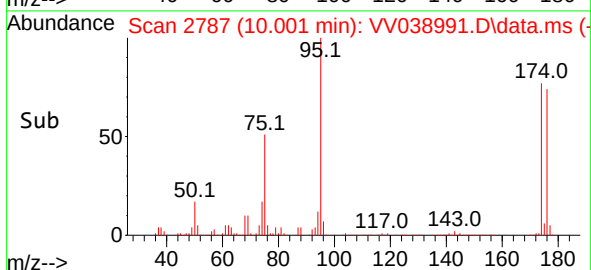
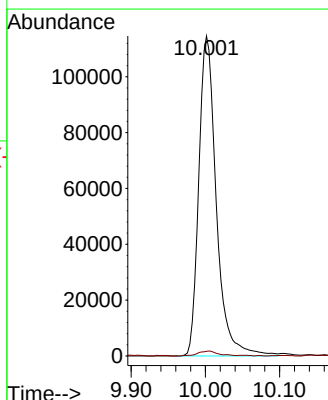
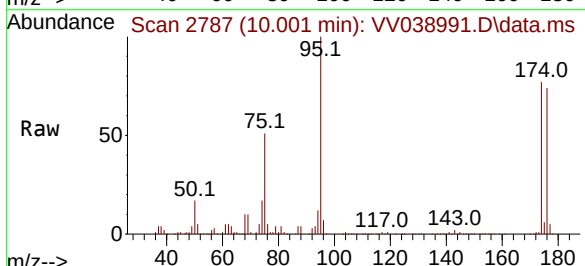
Acq: 21 Aug 2025 19:18

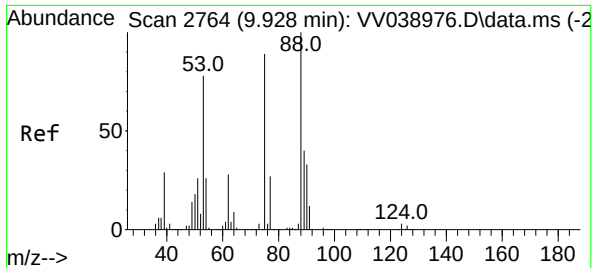
Tgt Ion: 75 Resp: 187817

Ion Ratio Lower Upper

75 100

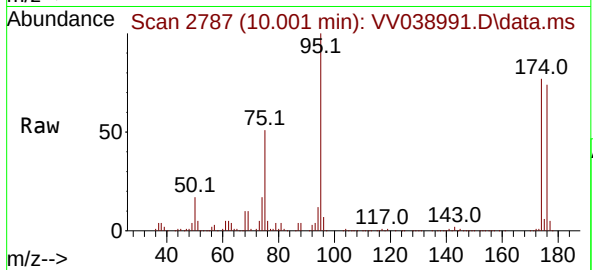
77 1.8 11.3 33.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.385 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV038991.D
 Acq: 21 Aug 2025 19:18

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 187817
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.3 105.5#
 89 0.0 37.9 56.9#

