

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038992.D
 Acq On : 21 Aug 2025 19:40
 Operator : SY/MD
 Sample : Q2930-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:37:05 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)

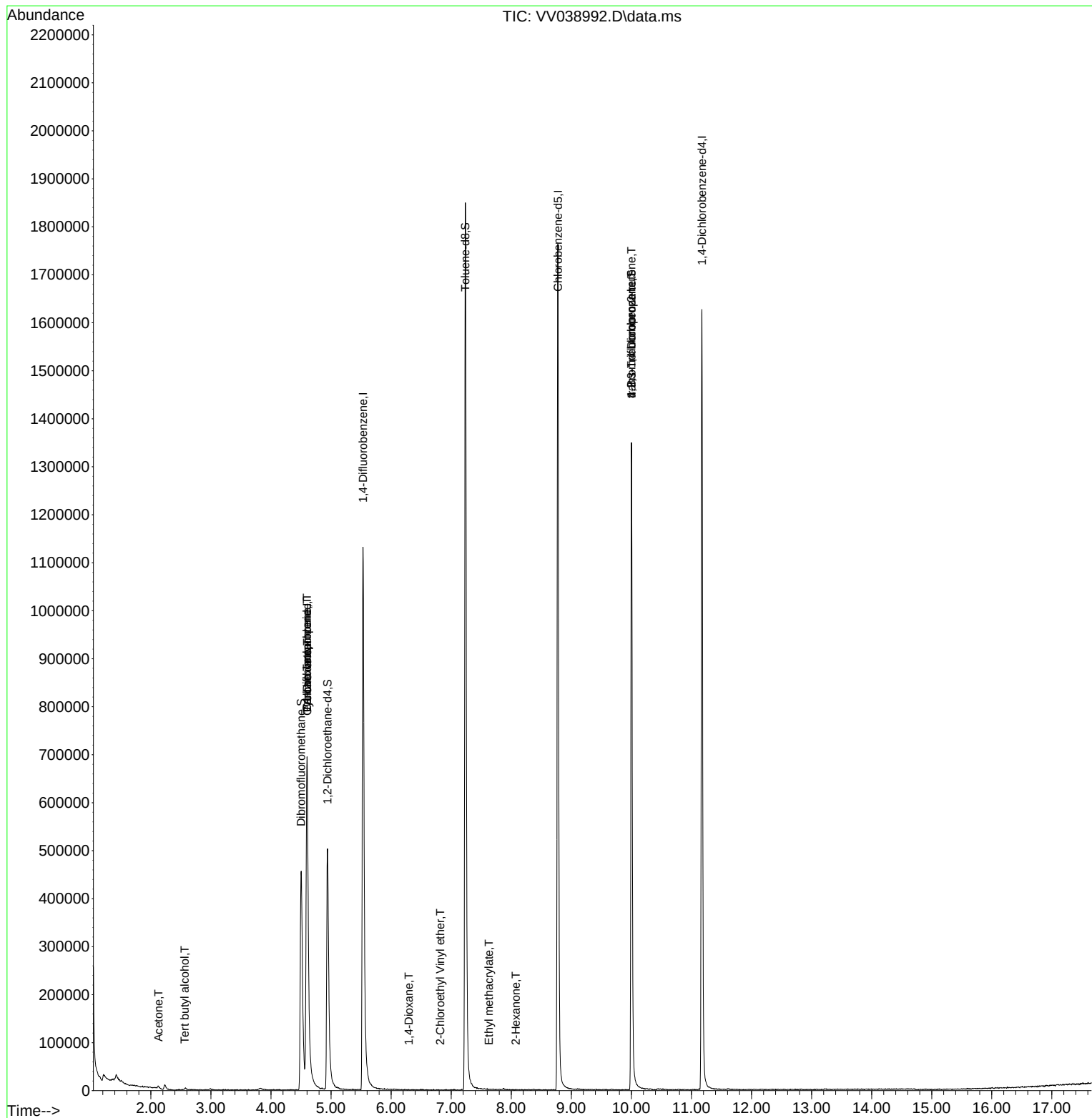
Internal Standards						
1) Pentafluorobenzene	4.600	168	604534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1108339	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	998914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	442380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	445132	52.476	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 104.960%	
35) Dibromofluoromethane	4.503	113	382180	45.979	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 91.960%	
50) Toluene-d8	7.236	98	1302731	44.946	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 89.900%	
62) 4-Bromofluorobenzene	10.001	95	442722	41.754	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 83.500%#	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.564	59	246	0.214	ug/l #	73
13) Acrolein	2.008	56	145	Below Cal	#	55
16) Acetone	2.127	43	5960	1.751	ug/l #	84
28) Bromochloromethane	4.188	49	20	Below Cal	#	3
31) Cyclohexane	4.603	56	13533	1.138	ug/l #	15
36) 1,1-Dichloropropene	4.600	75	47951	4.442	ug/l #	48
38) Carbon Tetrachloride	4.600	117	61250	4.237	ug/l #	16
49) 1,4-Dioxane	6.294	88	83	0.688	ug/l #	26
56) Ethyl methacrylate	7.628	69	45	2.318	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.818	63	51	4.992	ug/l #	43
59) 2-Hexanone	8.075	43	76	10.904	ug/l #	21
76) 1,2,3-Trichloropropane	10.001	75	226850	27.646	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.001	75	226850	63.472	ug/l #	14

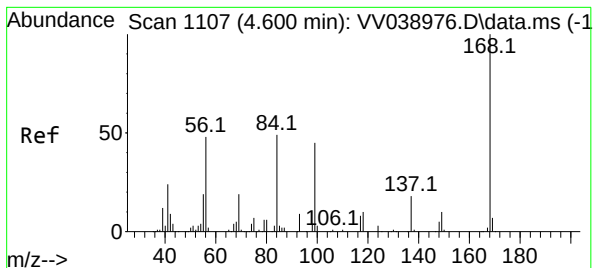
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VV038992.D

Acq: 21 Aug 2025 19:40

Instrument :

MSVOA_V

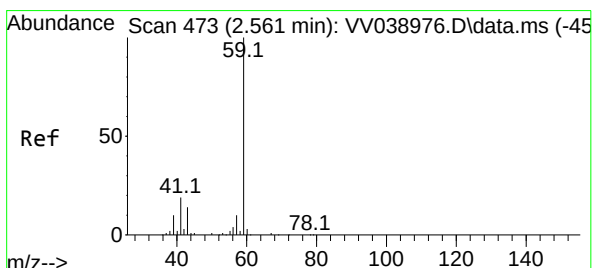
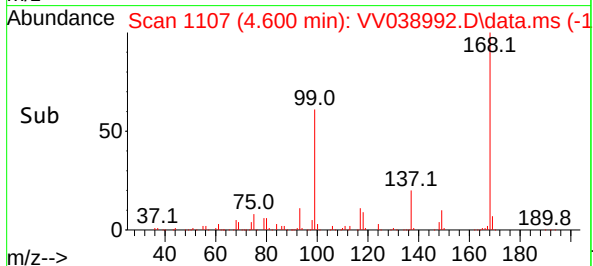
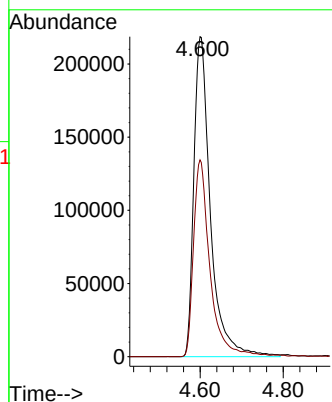
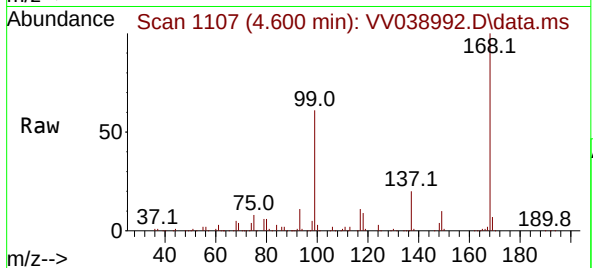
ClientSampleId :

Tgt Ion:168 Resp: 604534

Ion Ratio Lower Upper

168 100

99 61.5 47.0 70.6



#11

Tert butyl alcohol

Concen: 0.214 ug/l

RT: 2.564 min Scan# 474

Delta R.T. 0.003 min

Lab File: VV038992.D

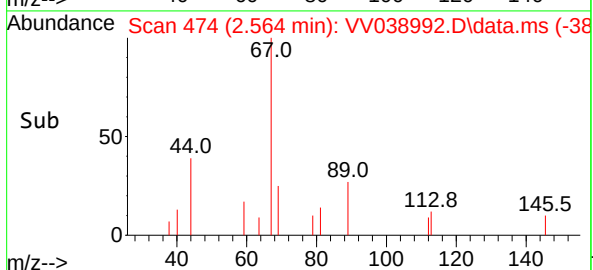
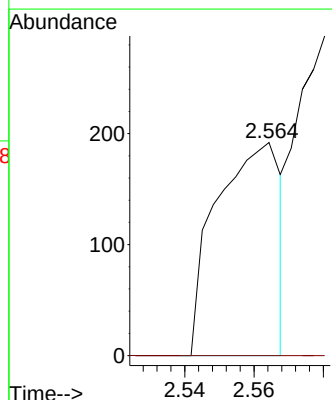
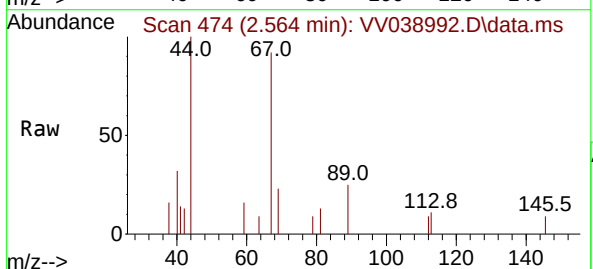
Acq: 21 Aug 2025 19:40

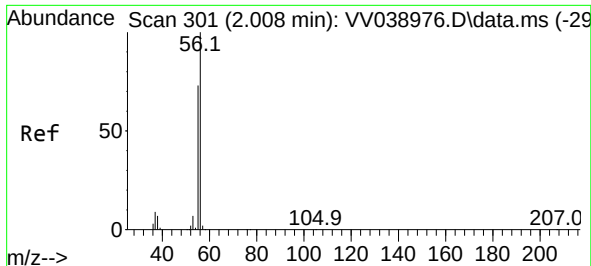
Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

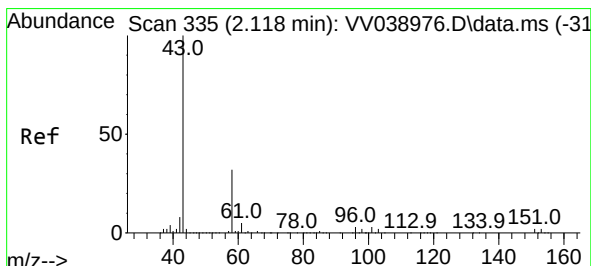
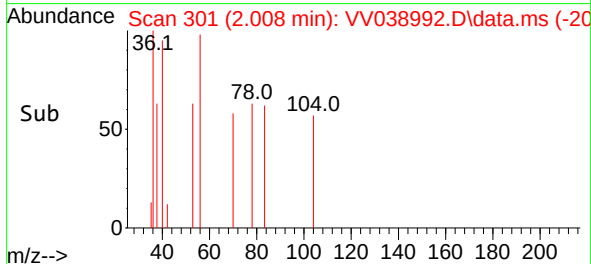
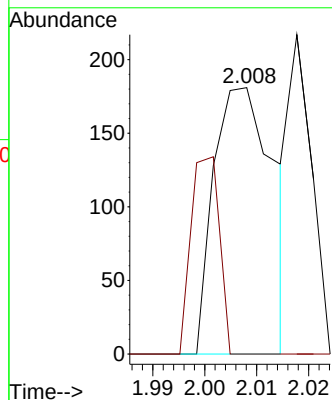
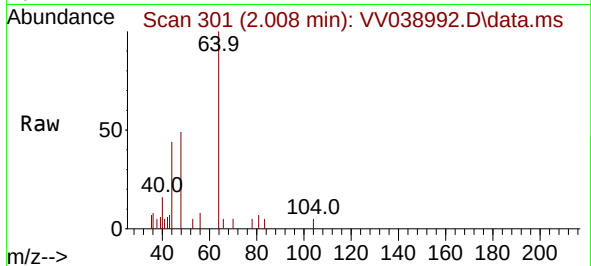




#13
Acrolein
Concen: Below Cal
RT: 2.008 min Scan# 301
Delta R.T. 0.000 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

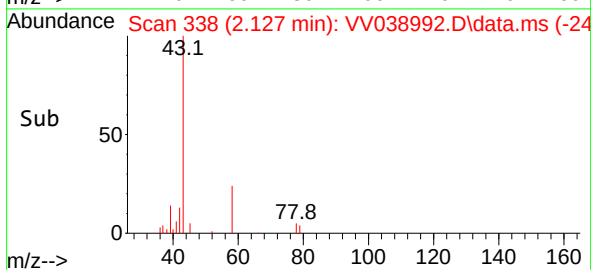
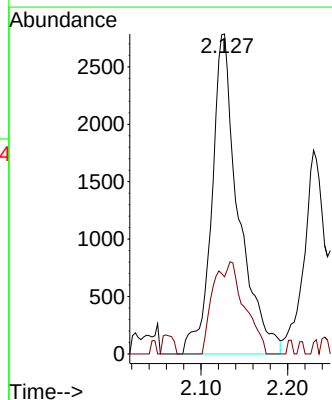
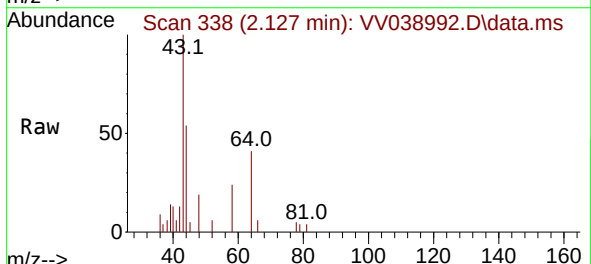
Instrument :
MSVOA_V
ClientSampleId :

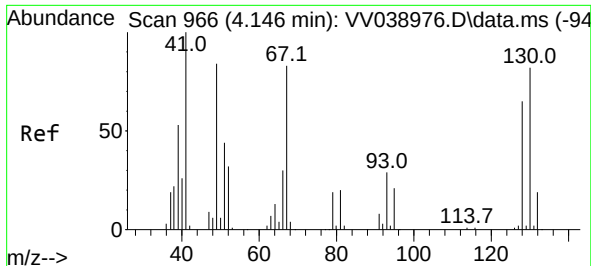
Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 35.2 58.8 88.2#



#16
Acetone
Concen: 1.751 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

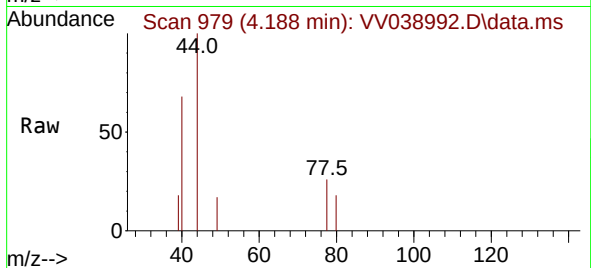
Tgt Ion: 43 Resp: 5960
Ion Ratio Lower Upper
43 100
58 24.1 26.3 39.5#



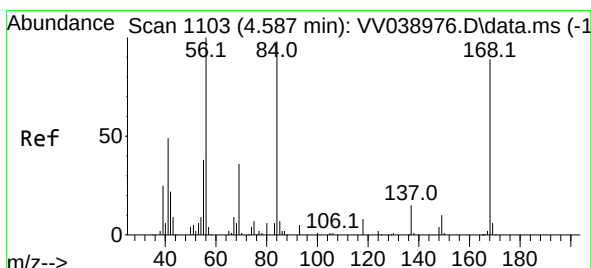
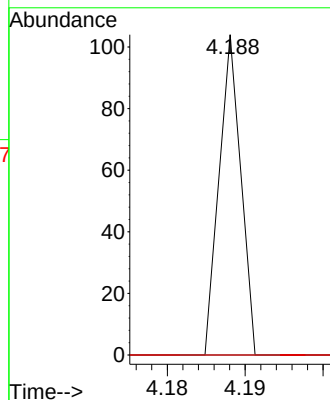
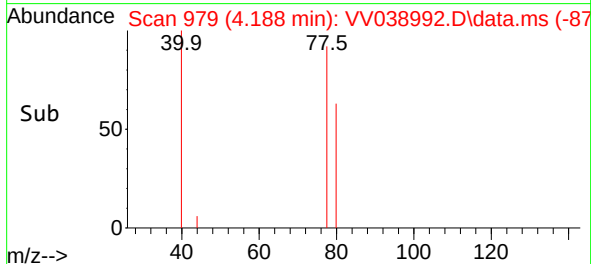


#28
Bromochloromethane
Concen: Below Cal
RT: 4.188 min Scan# 91
Delta R.T. 0.042 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

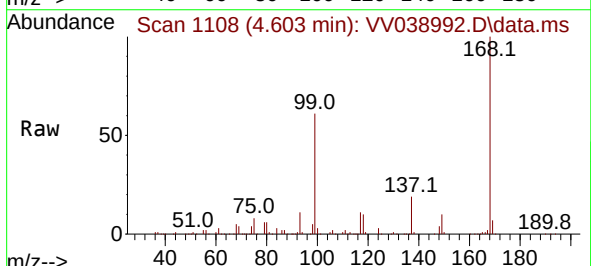
Instrument :
MSVOA_V
ClientSampleId :



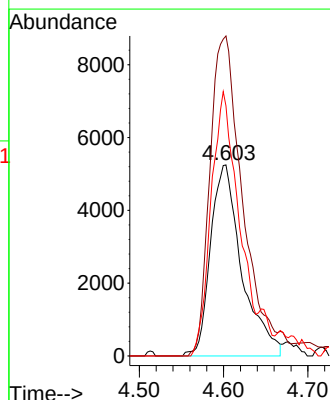
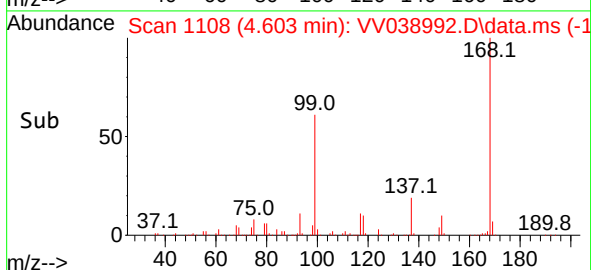
Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 78.2 117.2#

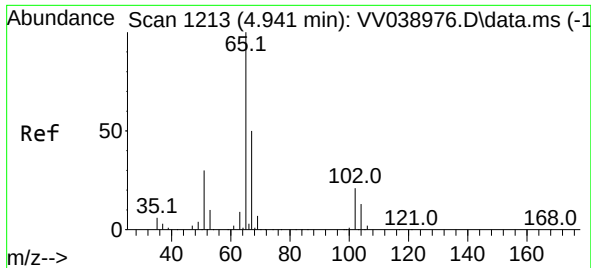


#31
Cyclohexane
Concen: 1.138 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.016 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40



Tgt Ion: 56 Resp: 13533
Ion Ratio Lower Upper
56 100
69 167.5 28.6 42.8#
84 130.9 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 52.476 ug/l

RT: 4.940 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038992.D

Acq: 21 Aug 2025 19:40

Instrument :

MSVOA_V

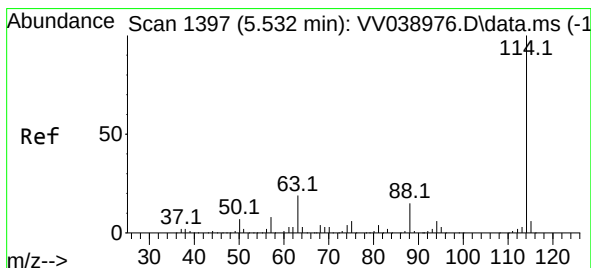
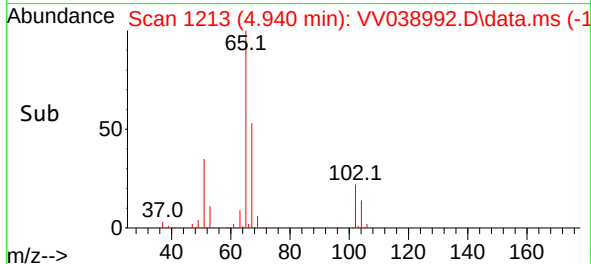
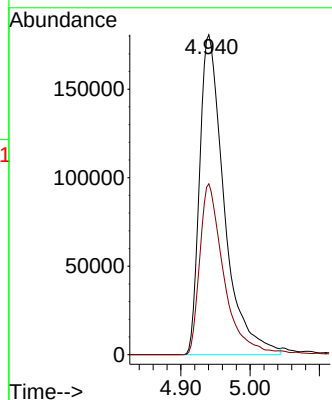
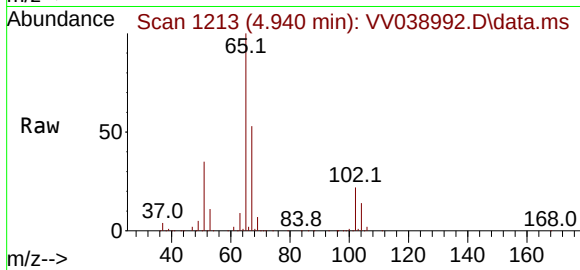
ClientSampleId :

Tgt Ion: 65 Resp: 445132

Ion Ratio Lower Upper

65 100

67 52.4 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: VV038992.D

Acq: 21 Aug 2025 19:40

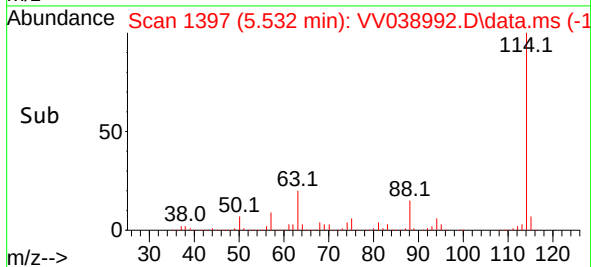
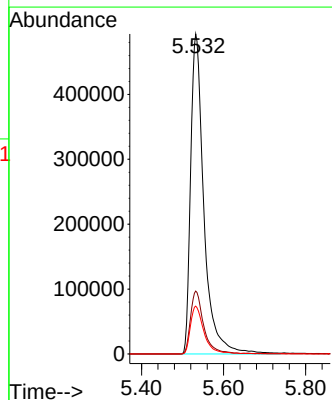
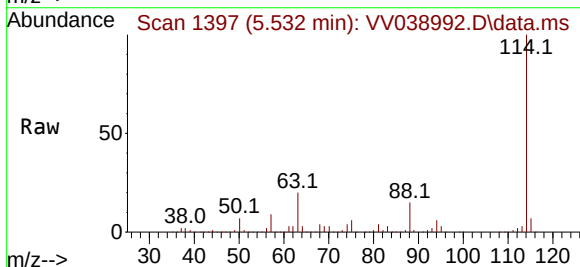
Tgt Ion: 114 Resp: 1108339

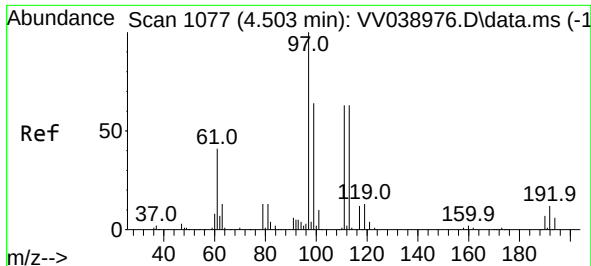
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

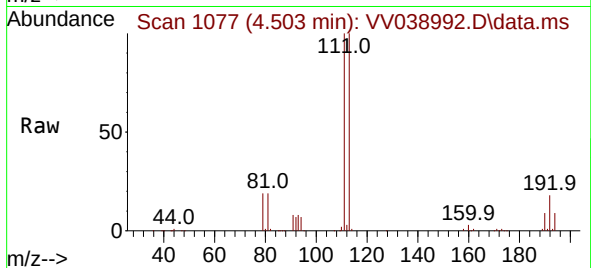
88 14.9 0.0 30.4



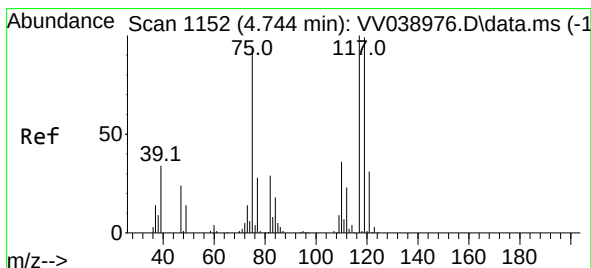
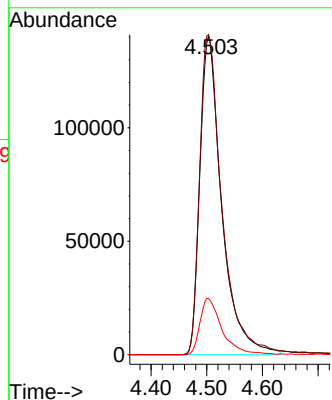
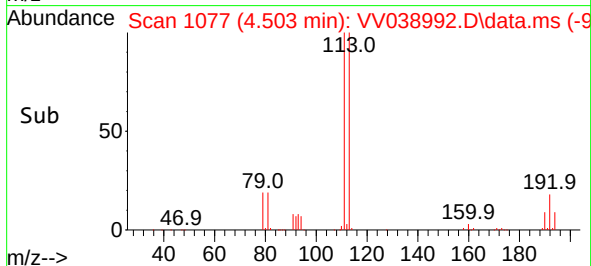


#35
Dibromofluoromethane
Concen: 45.979 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

Instrument :
MSVOA_V
ClientSampleId :

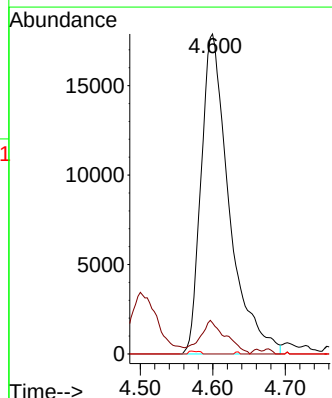
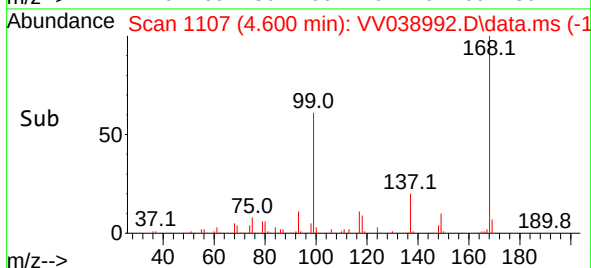
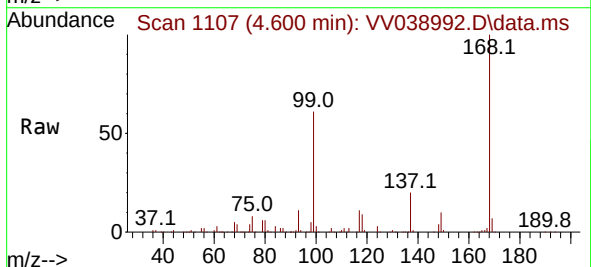


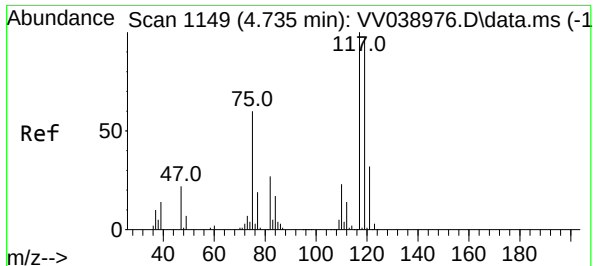
Tgt Ion:113 Resp: 382180
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 17.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.442 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.145 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

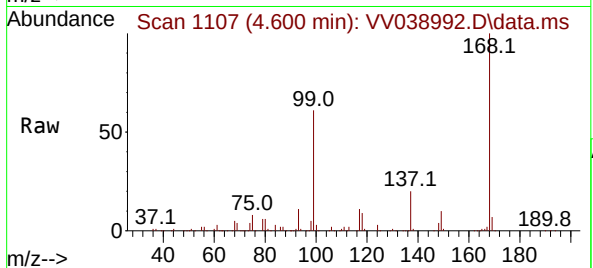
Tgt Ion: 75 Resp: 47951
Ion Ratio Lower Upper
75 100
110 9.7 19.6 58.7#
77 0.0 24.4 36.6#



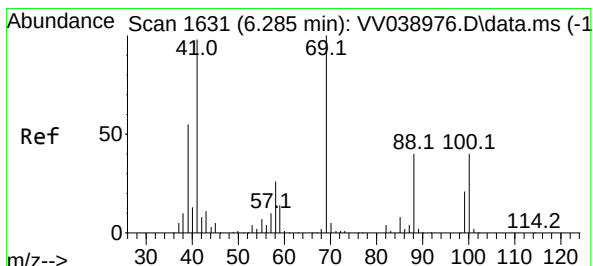
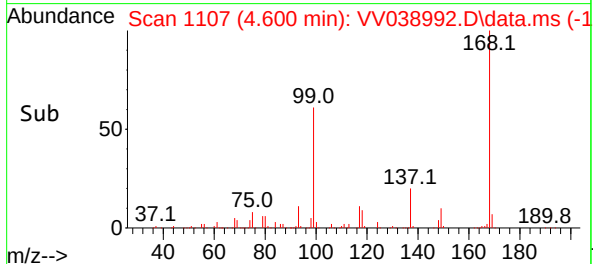
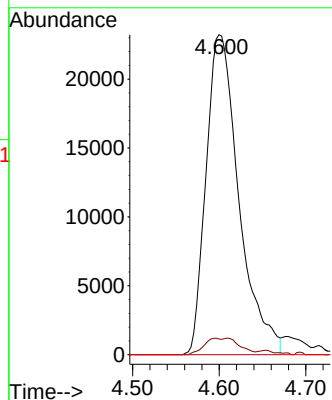


#38
Carbon Tetrachloride
Concen: 4.237 ug/l
RT: 4.600 min Scan# 1149
Delta R.T. -0.135 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

Instrument :
MSVOA_V
ClientSampleId :

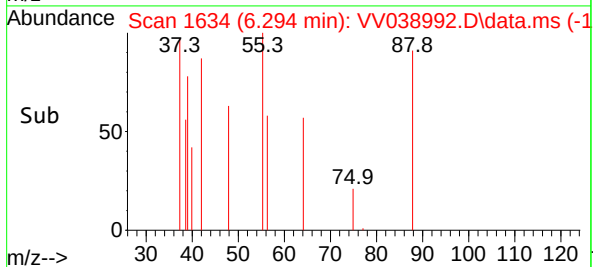
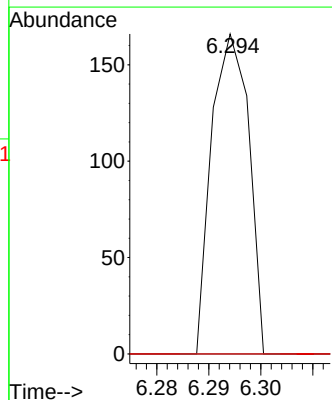
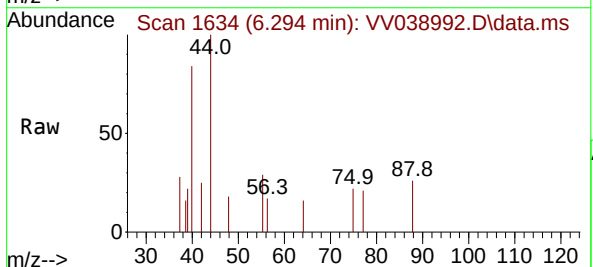


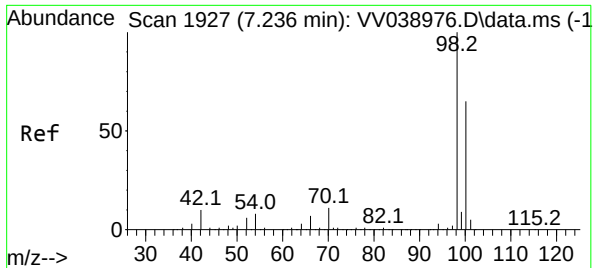
Tgt Ion:117 Resp: 61250
Ion Ratio Lower Upper
117 100
119 4.9 77.1 115.7#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 0.688 ug/l
RT: 6.294 min Scan# 1634
Delta R.T. 0.009 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 0.0 24.6 36.8#
58 0.0 51.8 77.6#

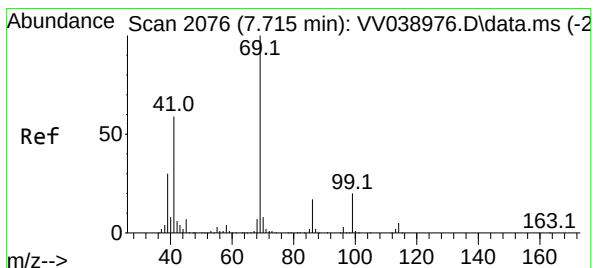
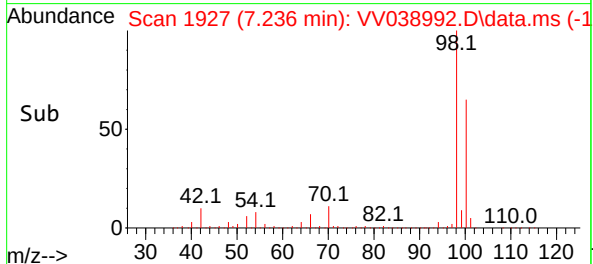
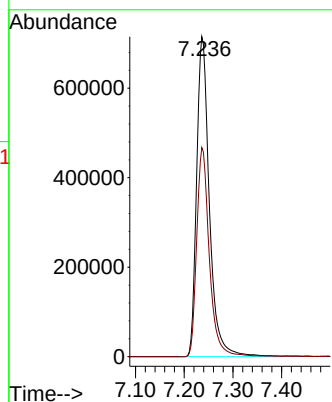
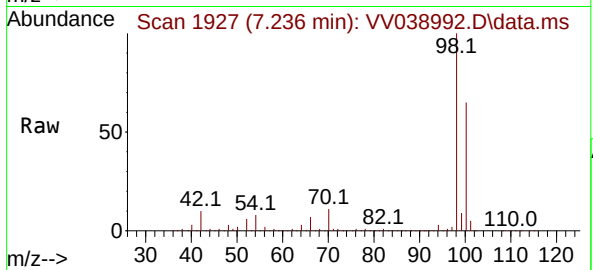




#50
Toluene-d8
Concen: 44.946 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

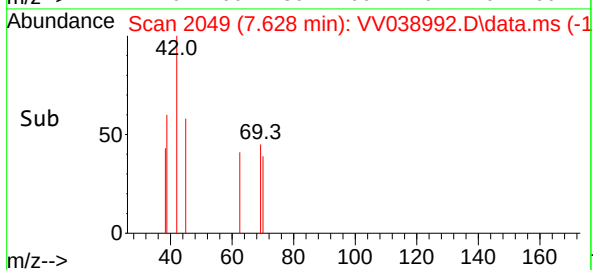
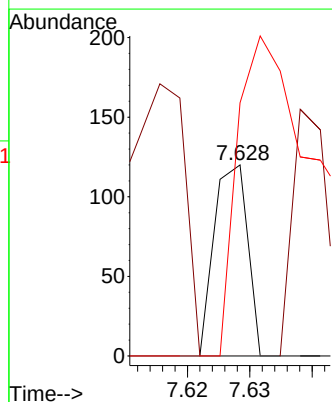
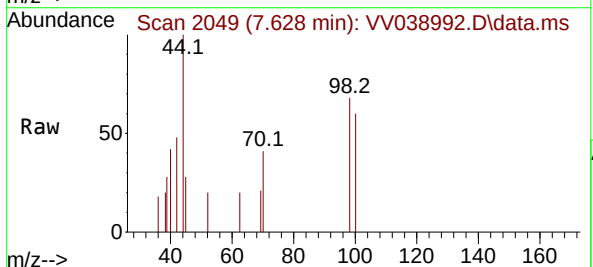
Instrument :
MSVOA_V
ClientSampleId :

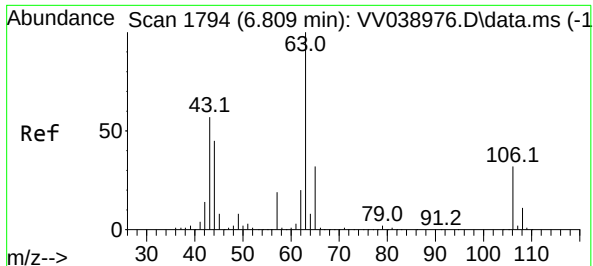
Tgt Ion: 98 Resp: 1302731
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#56
Ethyl methacrylate
Concen: 2.318 ug/l
RT: 7.628 min Scan# 2049
Delta R.T. -0.087 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

Tgt Ion: 69 Resp: 45
Ion Ratio Lower Upper
69 100
41 126.7 47.5 71.3#
39 426.7 24.2 36.2#

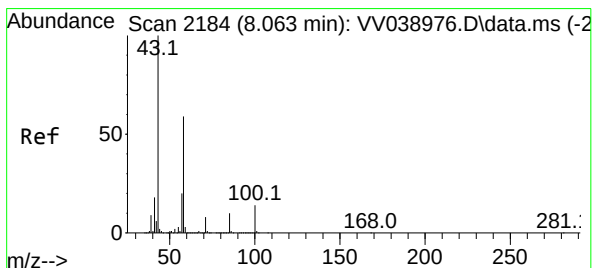
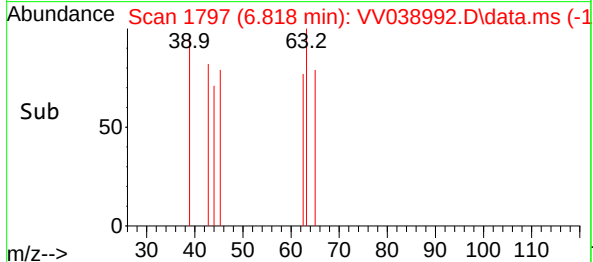
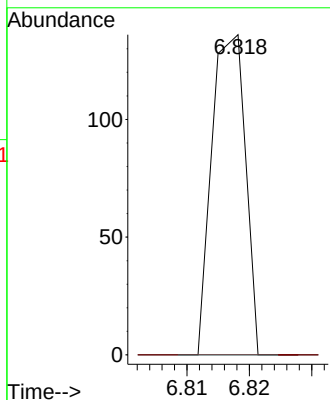
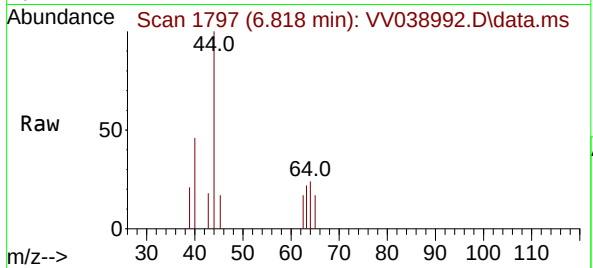




#58
2-Chloroethyl Vinyl ether
Concen: 4.992 ug/l
RT: 6.818 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

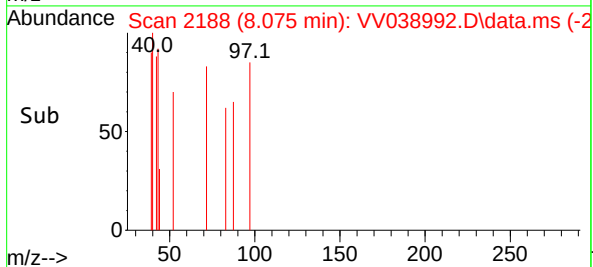
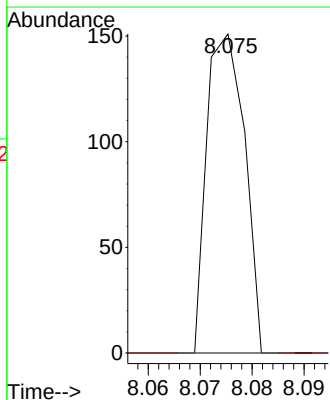
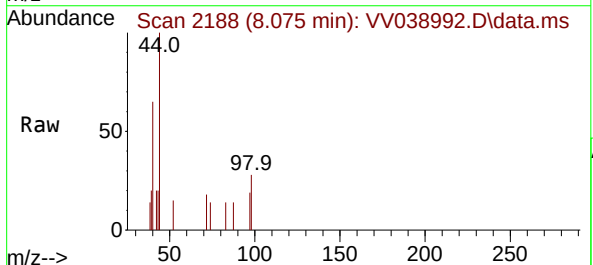
Instrument :
MSVOA_V
ClientSampleId :

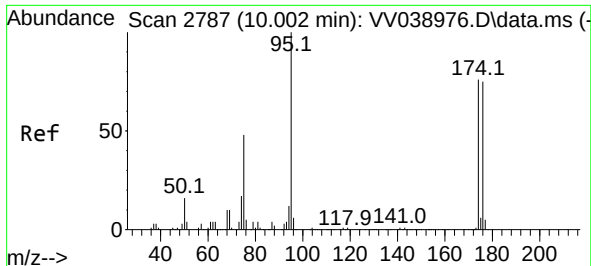
Tgt Ion: 63 Resp: 51
Ion Ratio Lower Upper
63 100
106 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 10.904 ug/l
RT: 8.075 min Scan# 2188
Delta R.T. 0.012 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

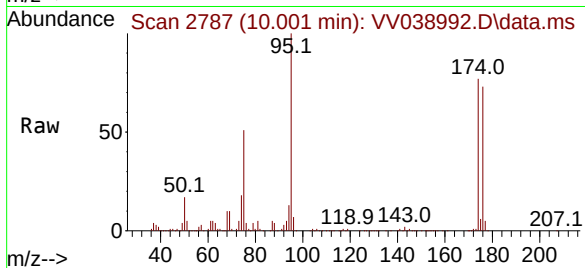
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



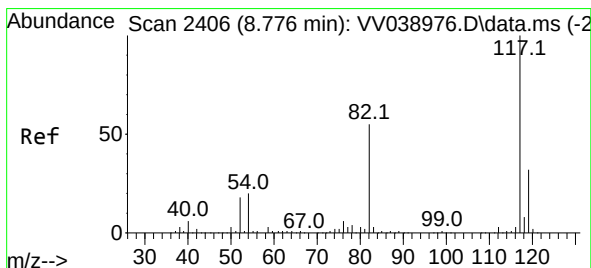
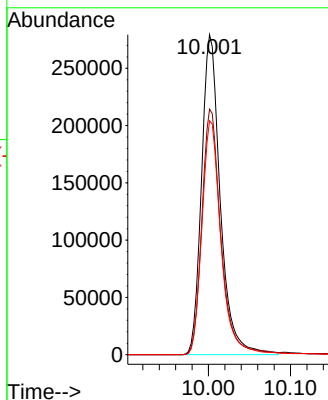
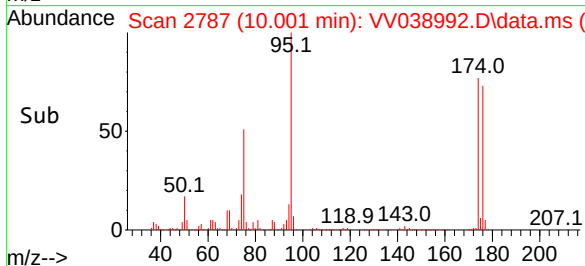


#62
4-Bromofluorobenzene
Concen: 41.754 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40

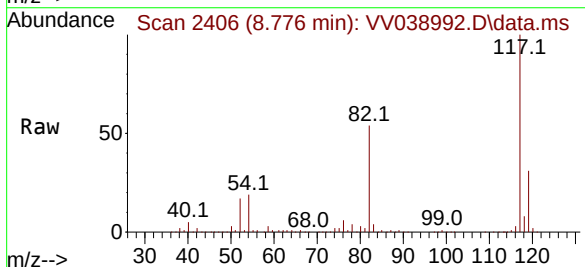
Instrument :
MSVOA_V
ClientSampleId :



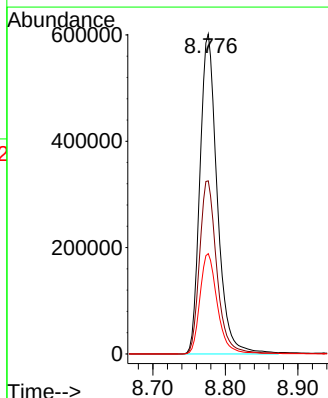
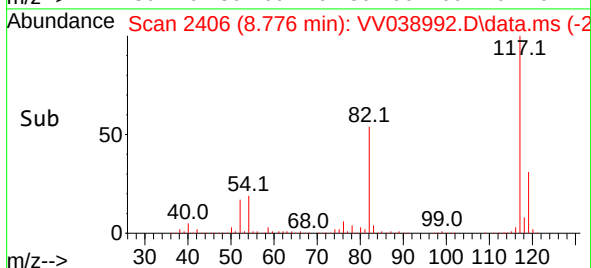
Tgt Ion: 95 Resp: 442722
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.4
176 74.6 0.0 148.6

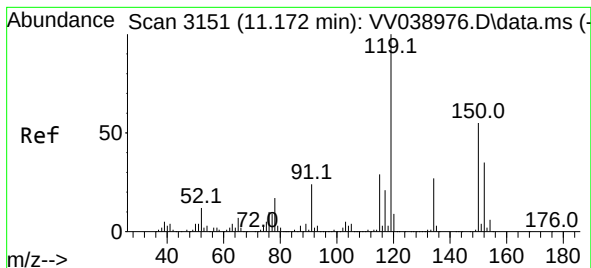


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038992.D
Acq: 21 Aug 2025 19:40



Tgt Ion: 117 Resp: 998914
Ion Ratio Lower Upper
117 100
82 54.1 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# 31

Delta R.T. 0.003 min

Lab File: VV038992.D

Acq: 21 Aug 2025 19:40

Instrument :

MSVOA_V

ClientSampleId :

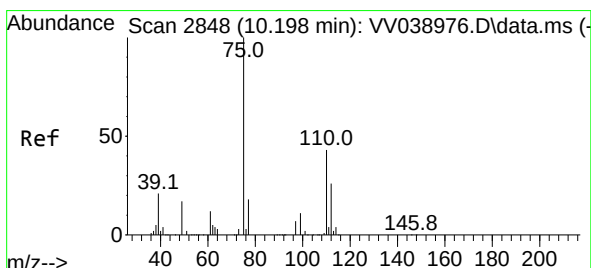
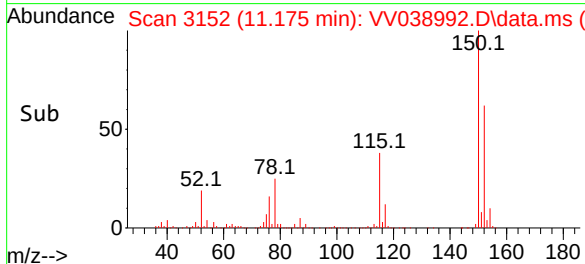
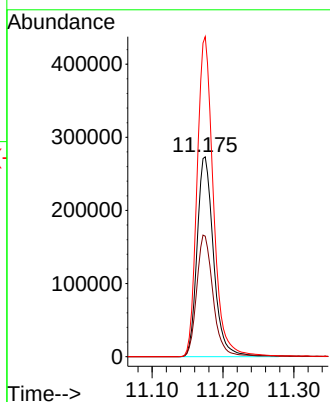
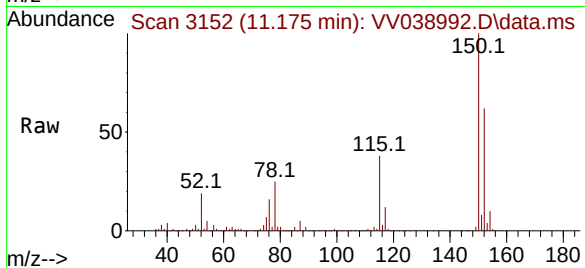
Tgt Ion:152 Resp: 442380

Ion Ratio Lower Upper

152 100

115 60.8 42.5 127.5

150 158.1 0.0 344.8



#76

1,2,3-Trichloropropane

Concen: 27.646 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV038992.D

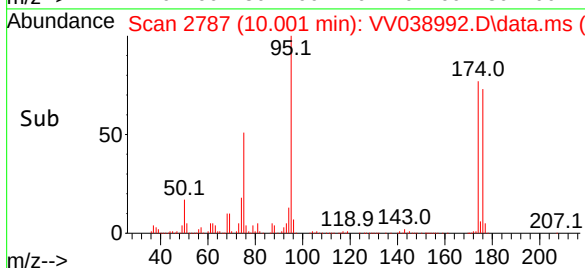
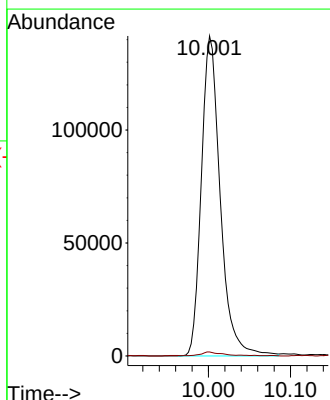
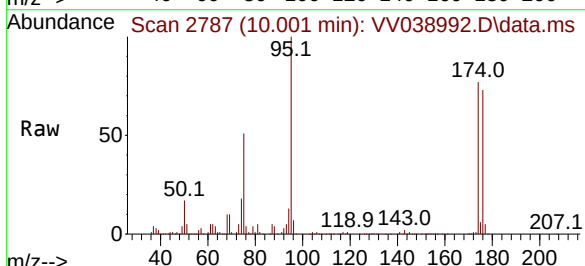
Acq: 21 Aug 2025 19:40

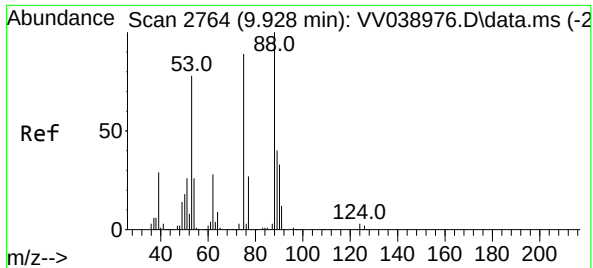
Tgt Ion: 75 Resp: 226850

Ion Ratio Lower Upper

75 100

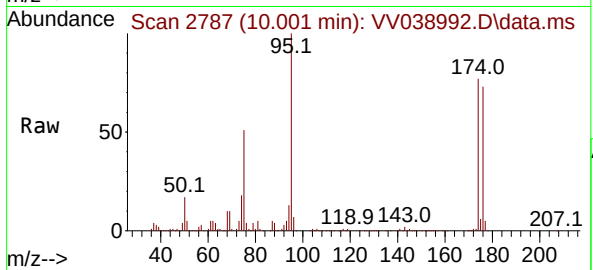
77 1.1 11.3 33.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.472 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV038992.D
 Acq: 21 Aug 2025 19:40

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 226850
 Ion Ratio Lower Upper
 75 100
 53 0.3 70.3 105.5#
 89 0.0 37.9 56.9#

