

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
 Data File : VV039013.D
 Acq On : 22 Aug 2025 13:26
 Operator : SY/MD
 Sample : Q2929-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DA5-SW4

Quant Time: Aug 25 02:21:58 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)

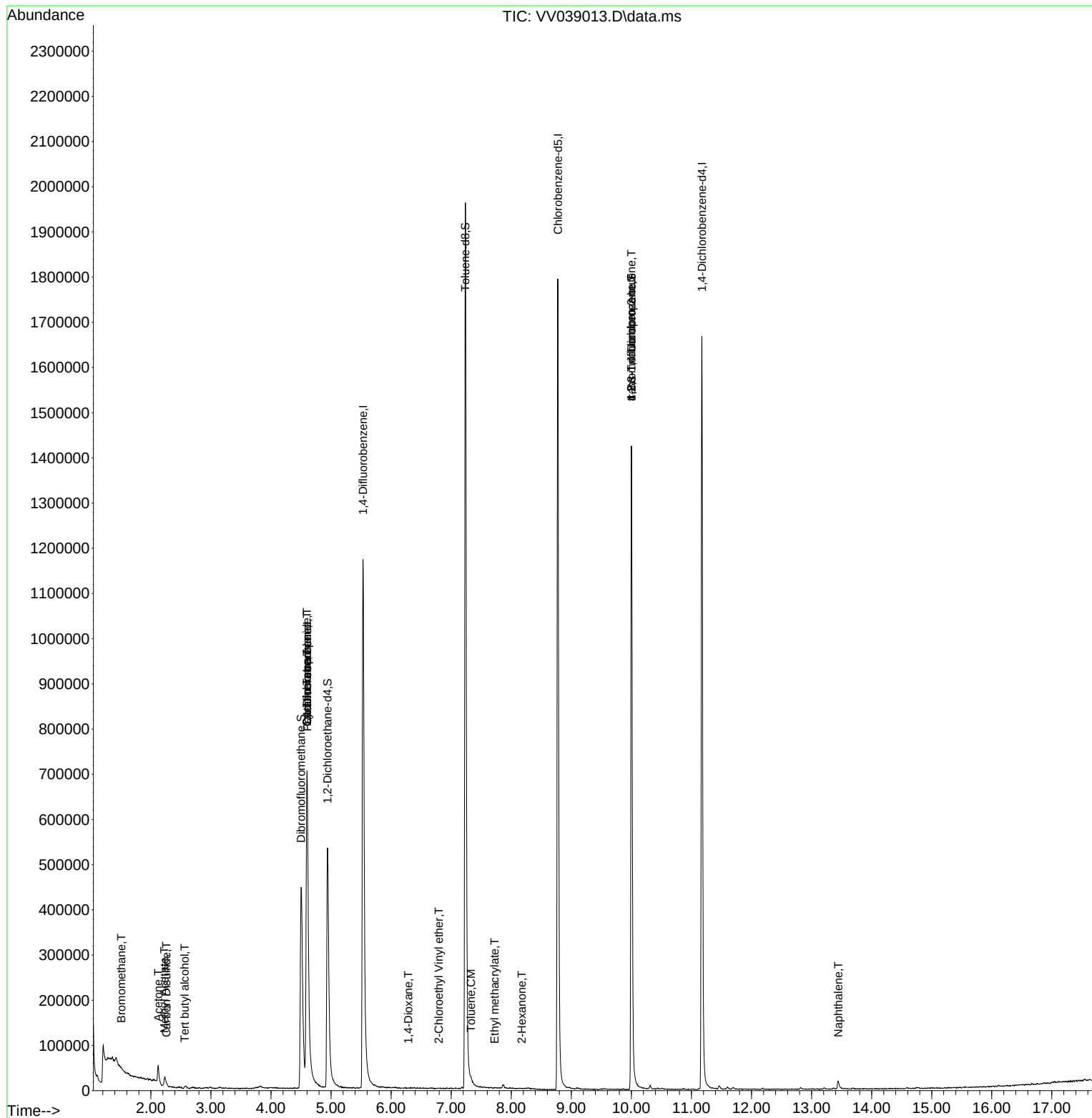
Internal Standards						
1) Pentafluorobenzene	4.603	168	582739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1134821	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1033198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	449917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	486168	59.457	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	118.920%#
35) Dibromofluoromethane	4.503	113	386669	45.434	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	90.860%
50) Toluene-d8	7.236	98	1362042	45.896	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.800%
62) 4-Bromofluorobenzene	10.001	95	501660	46.208	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	92.420%
Target Compounds						
						Qvalue
5) Bromomethane	1.507	94	1034	0.202	ug/l	99
11) Tert butyl alcohol	2.564	59	468	0.423	ug/l #	73
13) Acrolein	2.021	56	199	Below Cal	#	46
16) Acetone	2.124	43	45975	14.009	ug/l	97
17) Carbon Disulfide	2.256	76	4661	0.253	ug/l #	88
18) Methyl Acetate	2.227	43	7267	1.045	ug/l #	45
28) Bromochloromethane	4.140	49	21	Below Cal	#	1
31) Cyclohexane	4.600	56	13990	1.221	ug/l #	6
36) 1,1-Dichloropropene	4.600	75	51472	4.657	ug/l #	45
38) Carbon Tetrachloride	4.600	117	65651	4.436	ug/l #	17
49) 1,4-Dioxane	6.288	88	52	0.421	ug/l #	26
52) Toluene	7.330	92	5537	0.253	ug/l	88
56) Ethyl methacrylate	7.722	69	51	2.319	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.796	63	71	4.995	ug/l #	43
59) 2-Hexanone	8.175	43	155	10.910	ug/l	86
76) 1,2,3-Trichloropropane	10.001	75	254530	30.500	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	254530	70.024	ug/l #	14
95) Naphthalene	13.445	128	19469	0.708	ug/l #	95

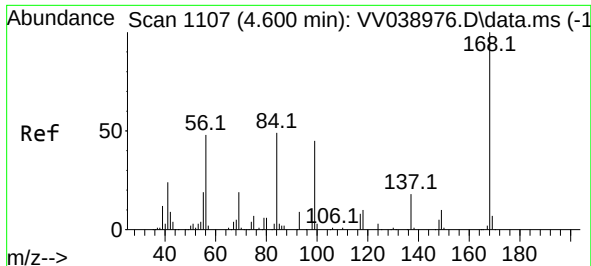
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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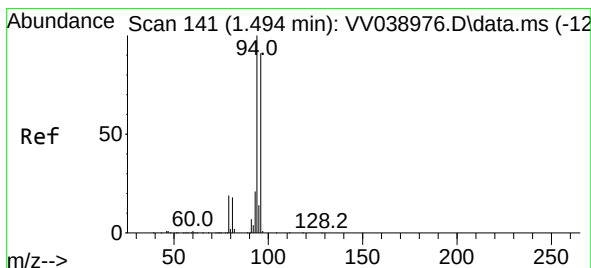
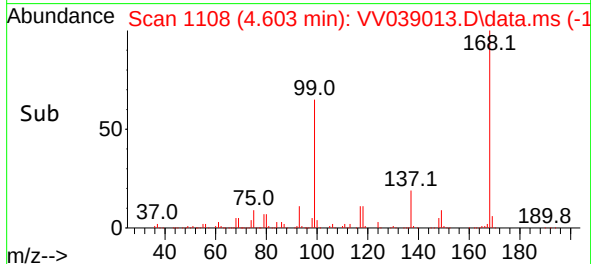
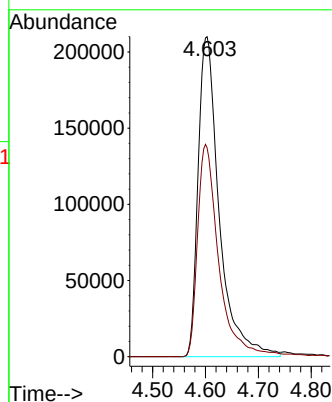
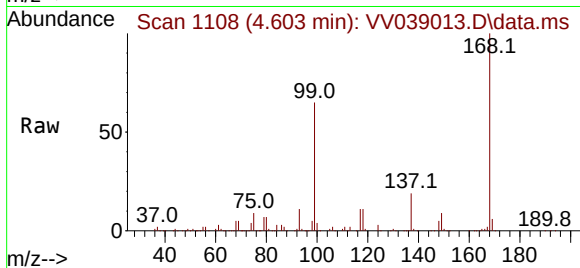




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

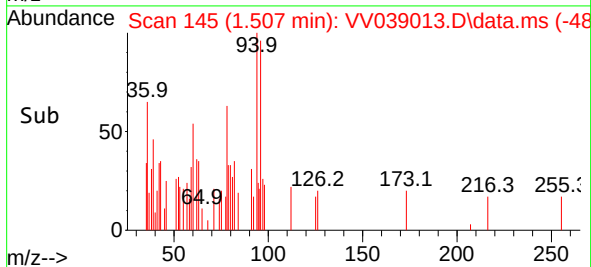
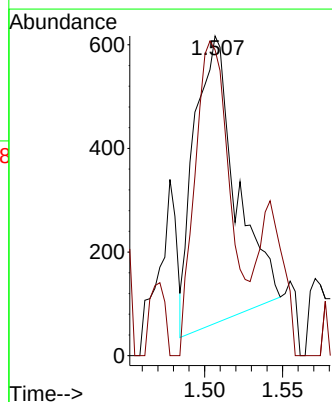
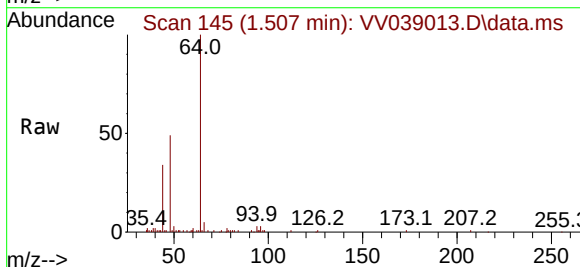
Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

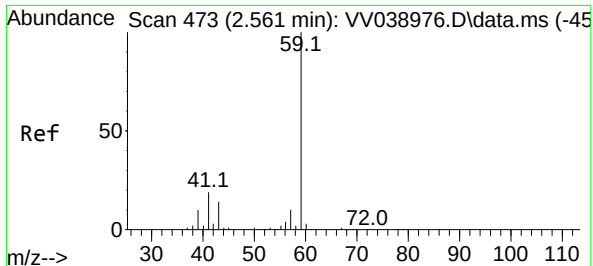
Tgt Ion:168 Resp: 582739
Ion Ratio Lower Upper
168 100
99 65.3 47.0 70.6



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.507 min Scan# 145
Delta R.T. 0.013 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 94 Resp: 1034
Ion Ratio Lower Upper
94 100
96 90.1 73.1 109.7

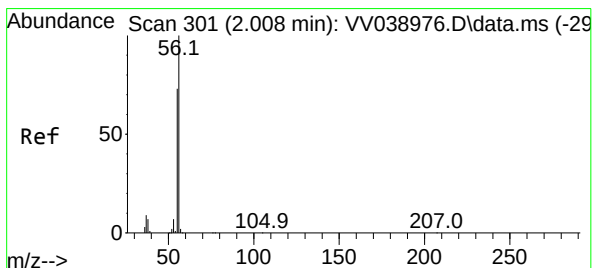
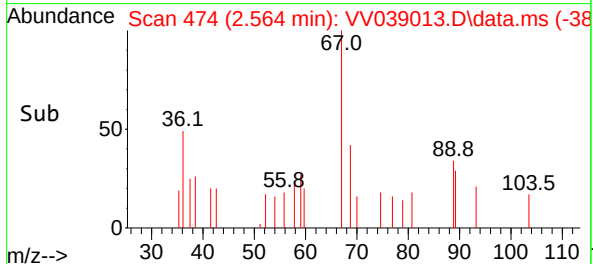
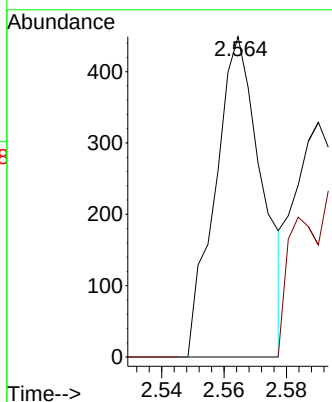
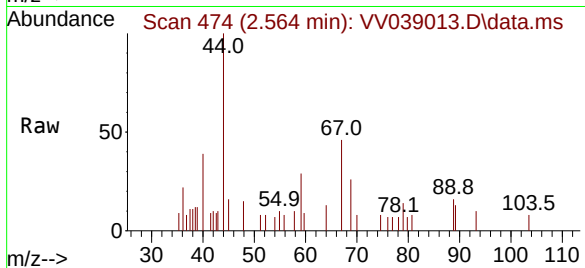




#11
Tert butyl alcohol
Concen: 0.423 ug/l
RT: 2.564 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

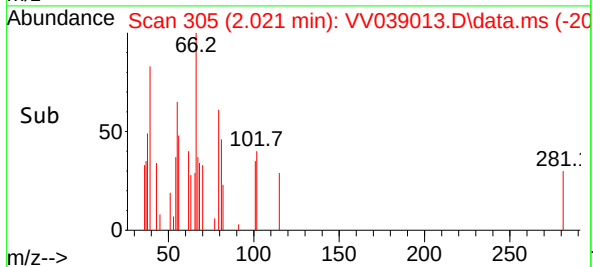
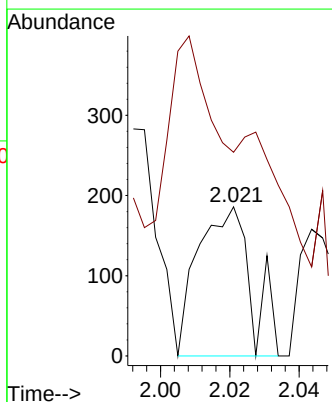
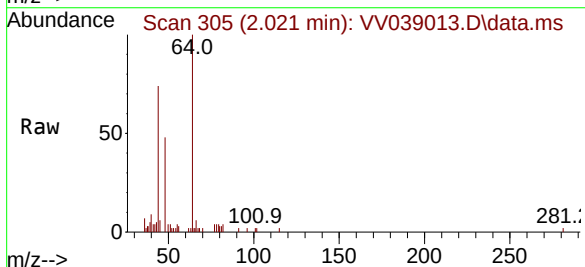
Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

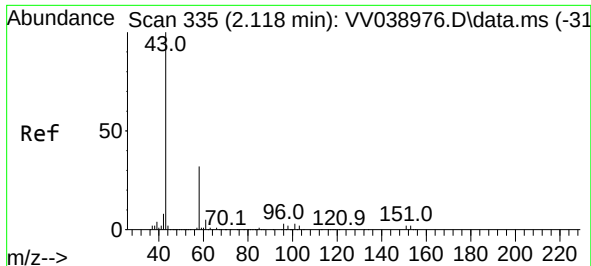
Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: Below Cal
RT: 2.021 min Scan# 305
Delta R.T. 0.013 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 118.6 58.8 88.2#





#16

Acetone

Concen: 14.009 ug/l

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV039013.D

Acq: 22 Aug 2025 13:26

Instrument :

MSVOA_V

ClientSampleId :

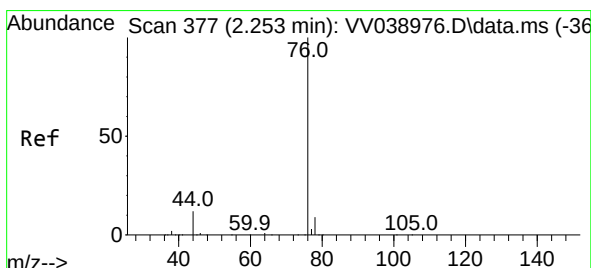
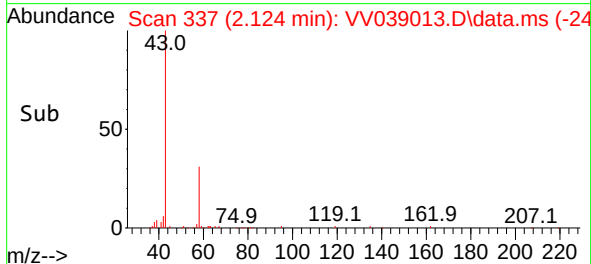
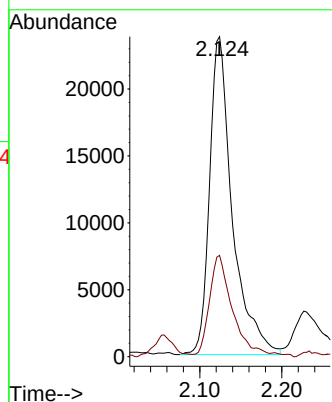
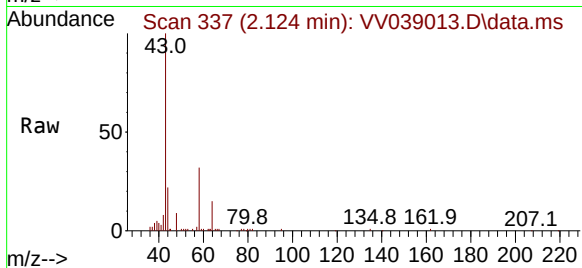
DA5-SW4

Tgt Ion: 43 Resp: 45975

Ion Ratio Lower Upper

43 100

58 31.0 26.3 39.5



#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 2.256 min Scan# 378

Delta R.T. 0.003 min

Lab File: VV039013.D

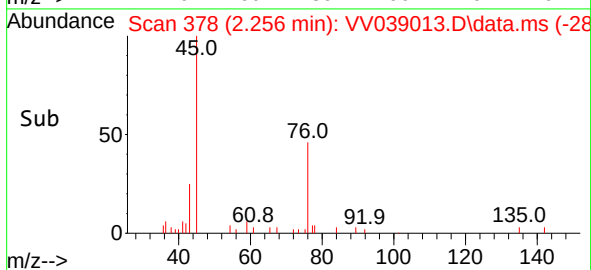
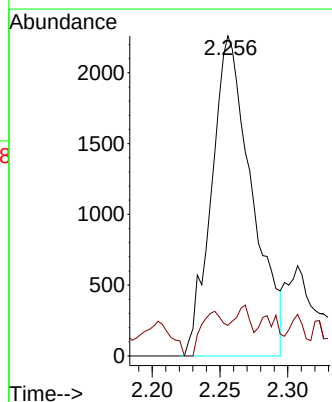
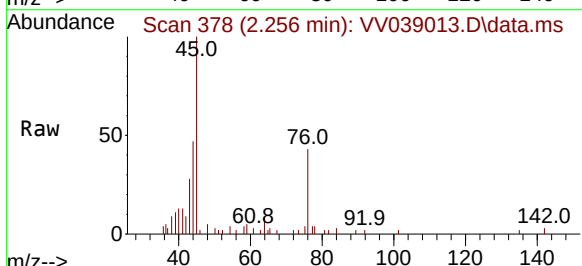
Acq: 22 Aug 2025 13:26

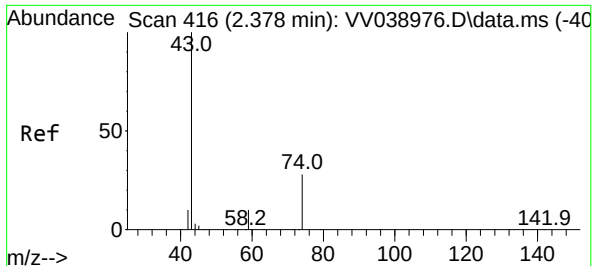
Tgt Ion: 76 Resp: 4661

Ion Ratio Lower Upper

76 100

78 4.9 7.3 10.9#

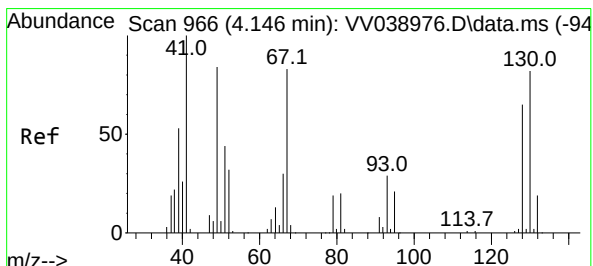
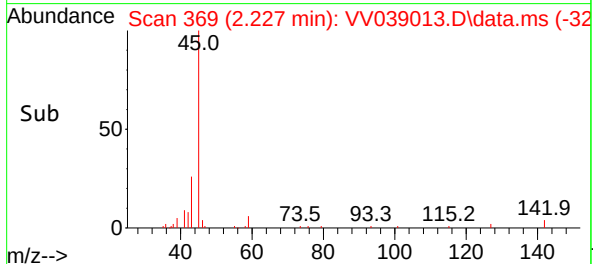
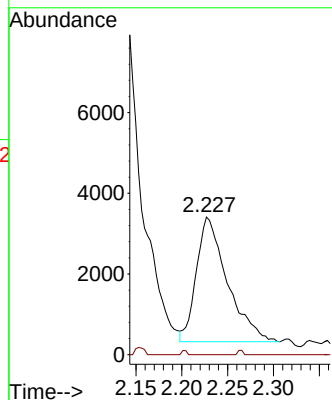
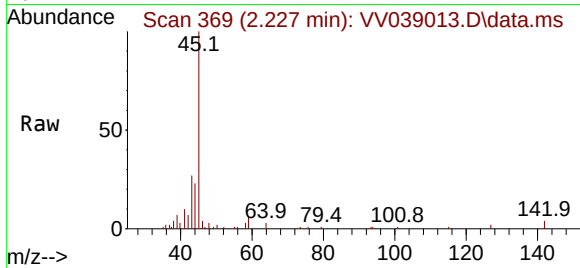




#18
Methyl Acetate
Concen: 1.045 ug/l
RT: 2.227 min Scan# 30
Delta R.T. -0.151 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

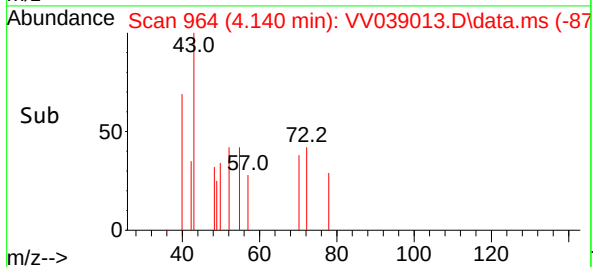
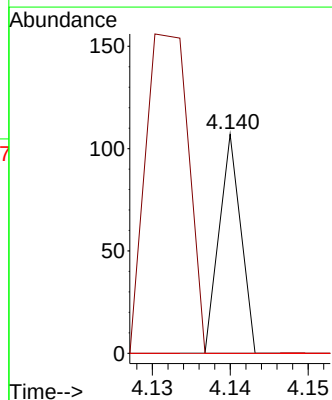
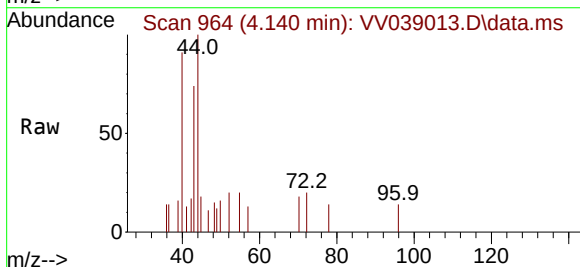
Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

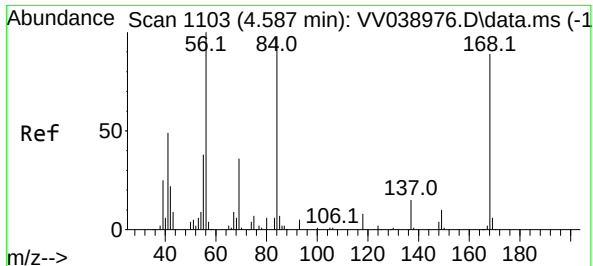
Tgt Ion: 43 Resp: 7267
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



#28
Bromochloromethane
Concen: Below Cal
RT: 4.140 min Scan# 964
Delta R.T. -0.006 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 49 Resp: 21
Ion Ratio Lower Upper
49 100
129 285.7 0.0 3.2#
130 0.0 78.2 117.2#

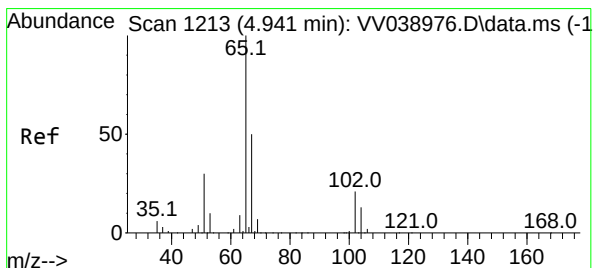
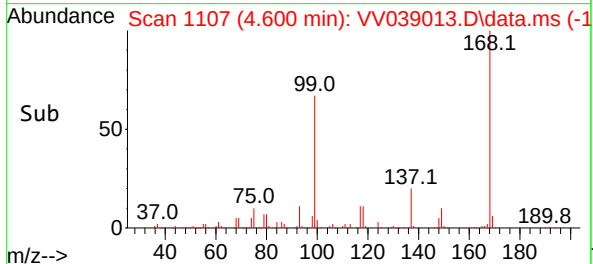
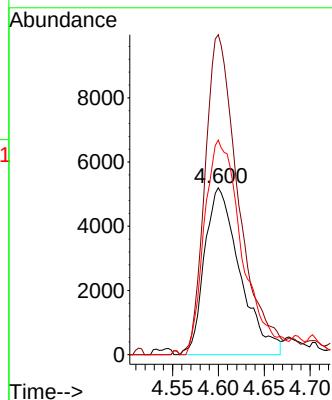
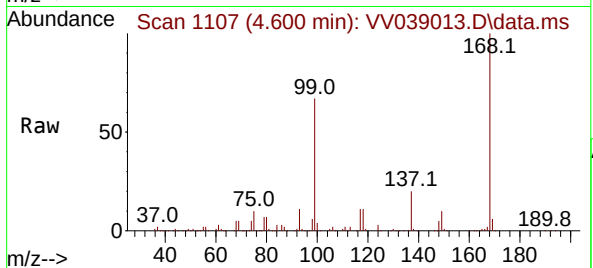




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.013 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

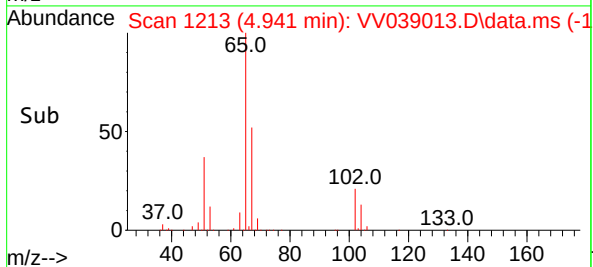
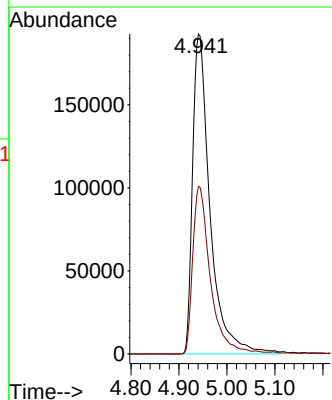
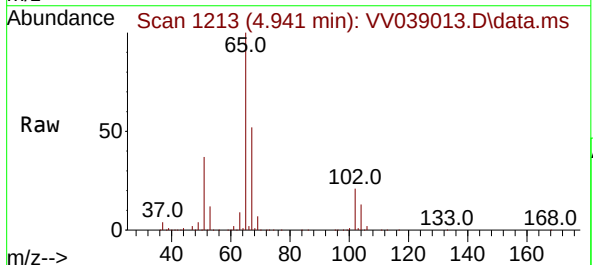
Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

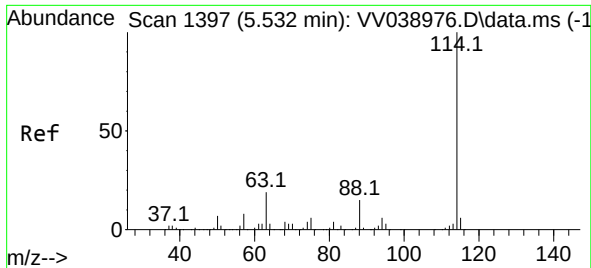
Tgt Ion: 56 Resp: 13990
Ion Ratio Lower Upper
56 100
69 191.7 28.6 42.8#
84 128.6 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 59.457 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 65 Resp: 486168
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.4

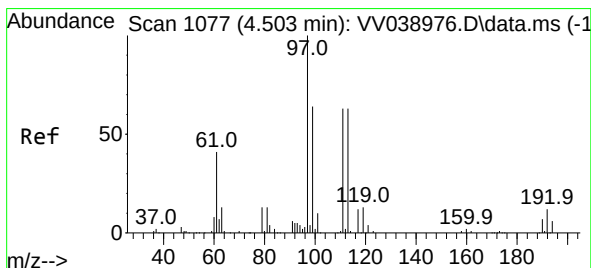
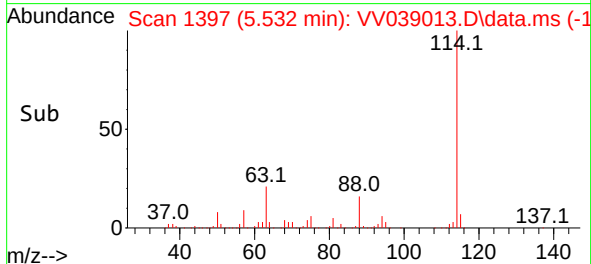
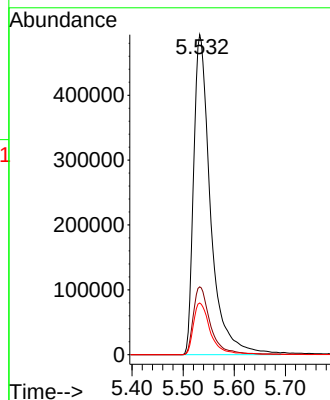
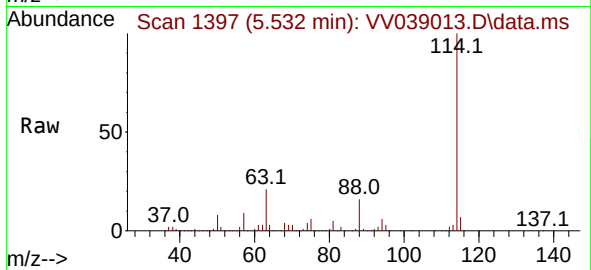




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

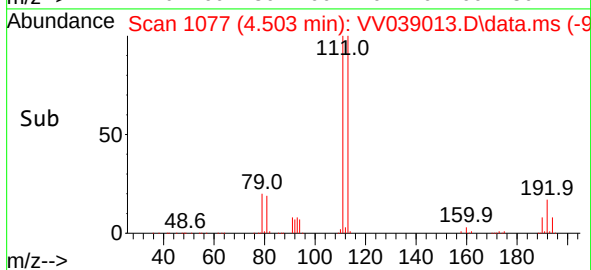
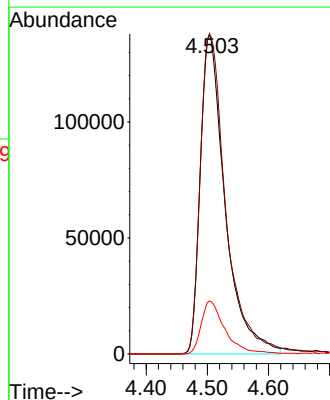
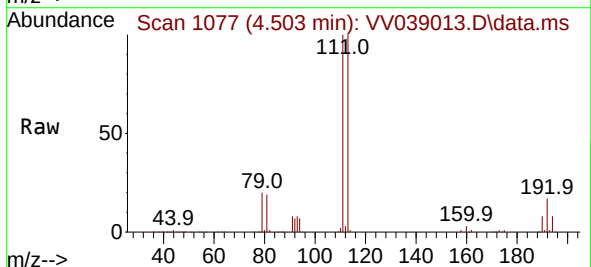
Instrument :
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DA5-SW4

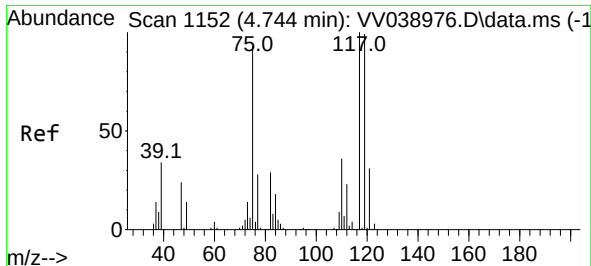
Tgt Ion:114 Resp: 1134821
Ion Ratio Lower Upper
114 100
63 21.2 0.0 37.4
88 16.1 0.0 30.4



#35
Dibromofluoromethane
Concen: 45.434 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion:113 Resp: 386669
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 16.0 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.145 min

Lab File: VV039013.D

Acq: 22 Aug 2025 13:26

Instrument :

MSVOA_V

ClientSampleId :

DA5-SW4

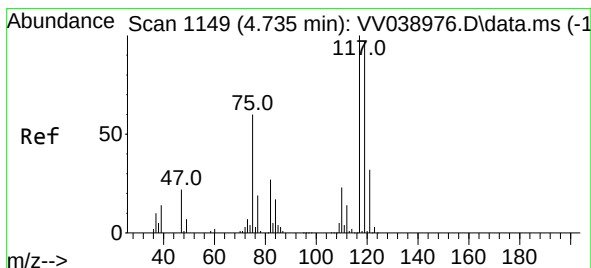
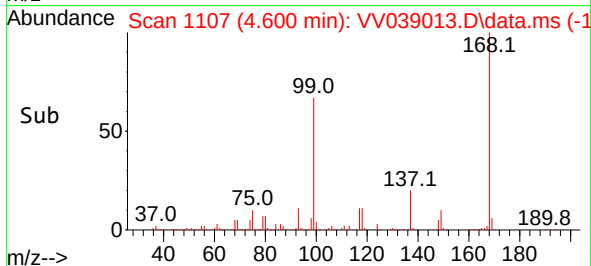
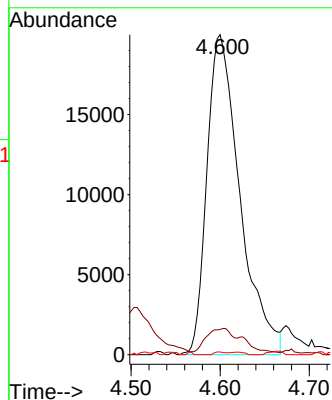
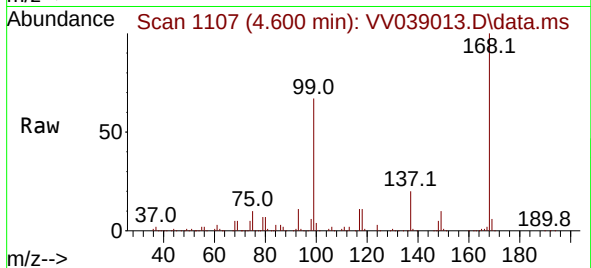
Tgt Ion: 75 Resp: 51472

Ion Ratio Lower Upper

75 100

110 5.8 19.6 58.7#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.436 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VV039013.D

Acq: 22 Aug 2025 13:26

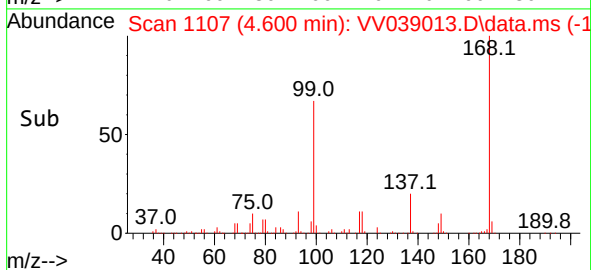
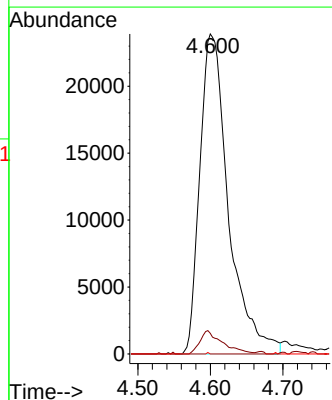
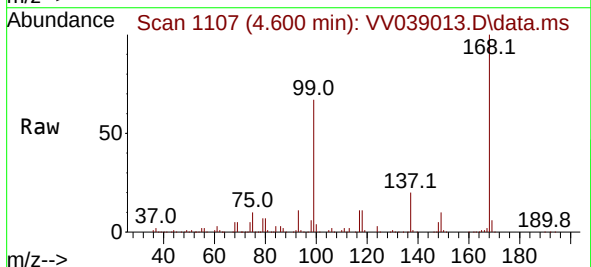
Tgt Ion: 117 Resp: 65651

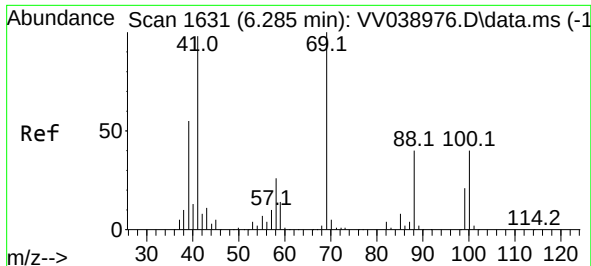
Ion Ratio Lower Upper

117 100

119 6.4 77.1 115.7#

121 0.0 25.4 38.2#





#49

1,4-Dioxane

Concen: 0.421 ug/l

RT: 6.288 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039013.D

Acq: 22 Aug 2025 13:26

Instrument :

MSVOA_V

ClientSampleId :

DA5-SW4

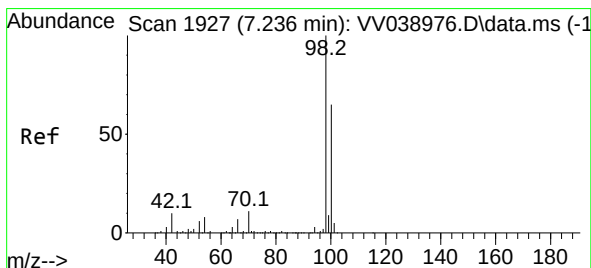
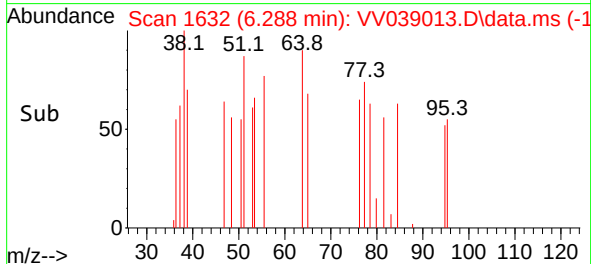
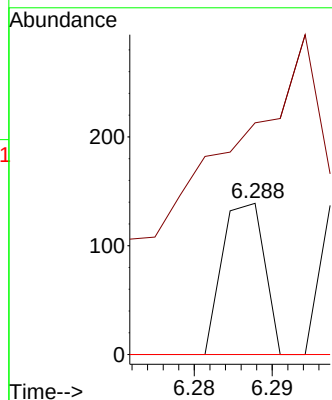
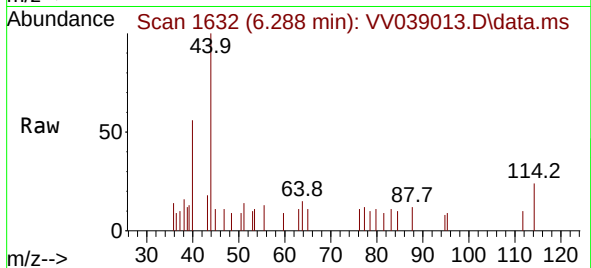
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 24.6 36.8#

58 0.0 51.8 77.6#



#50

Toluene-d8

Concen: 45.896 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV039013.D

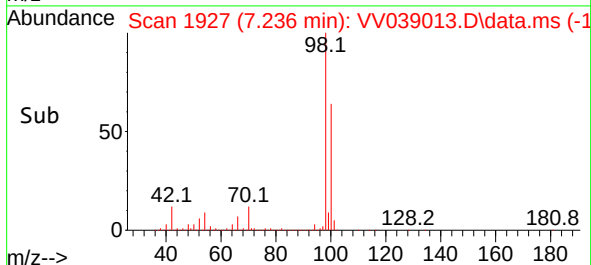
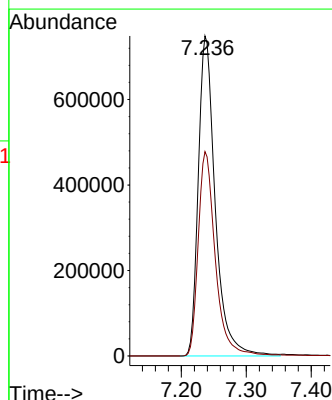
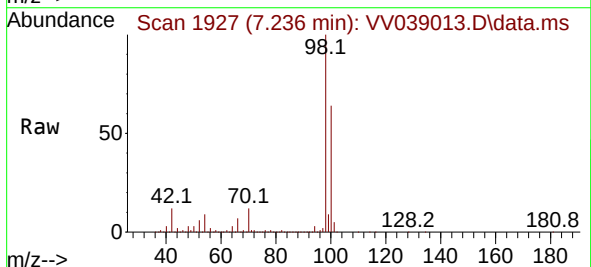
Acq: 22 Aug 2025 13:26

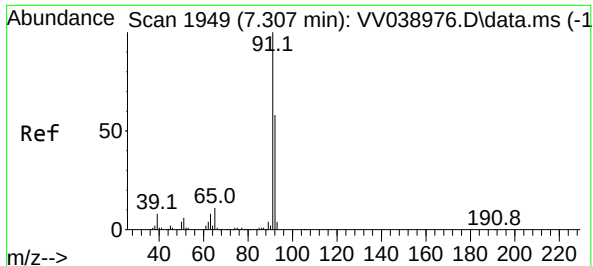
Tgt Ion: 98 Resp: 1362042

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2

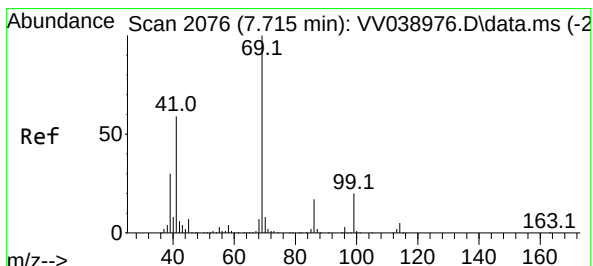
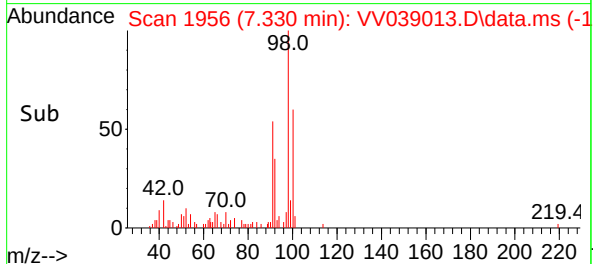
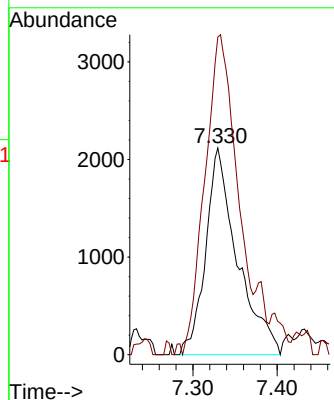
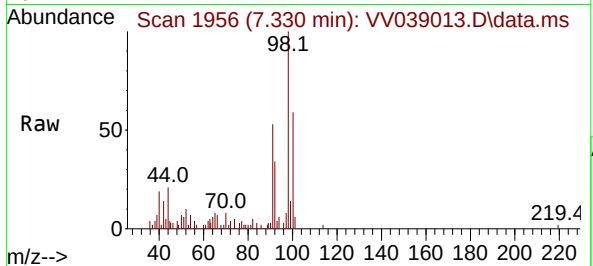




#52
Toluene
Concen: 0.253 ug/l
RT: 7.330 min Scan# 1949
Delta R.T. 0.022 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

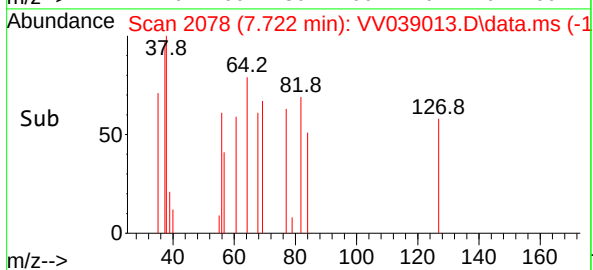
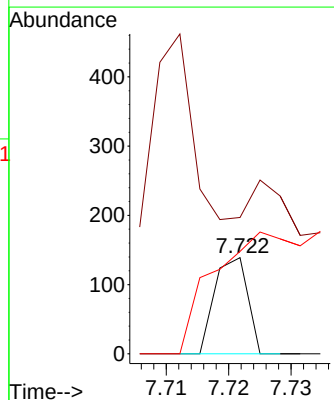
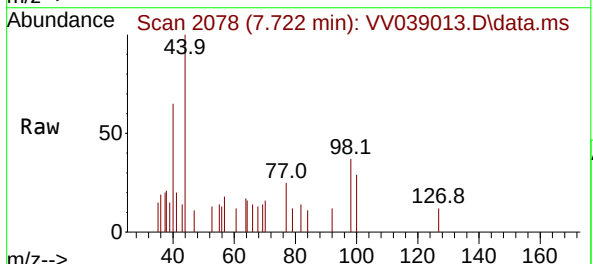
Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

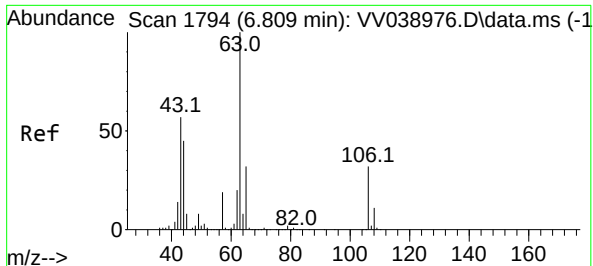
Tgt Ion: 92 Resp: 5537
Ion Ratio Lower Upper
92 100
91 154.5 136.3 204.5



#56
Ethyl methacrylate
Concen: 2.319 ug/l
RT: 7.722 min Scan# 2078
Delta R.T. 0.007 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 69 Resp: 51
Ion Ratio Lower Upper
69 100
41 439.2 47.5 71.3#
39 331.4 24.2 36.2#

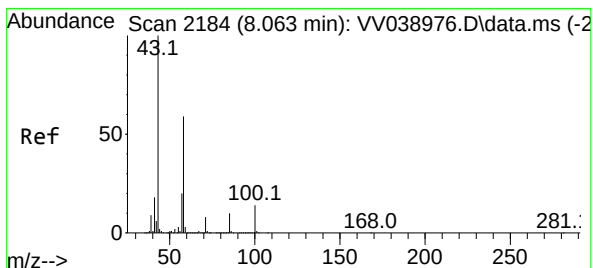
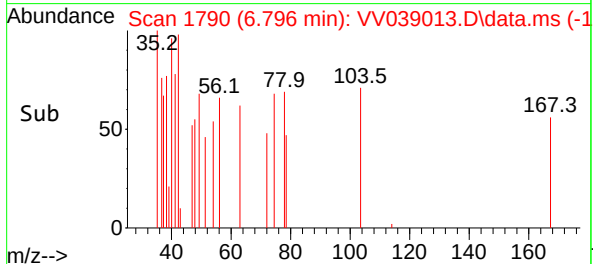
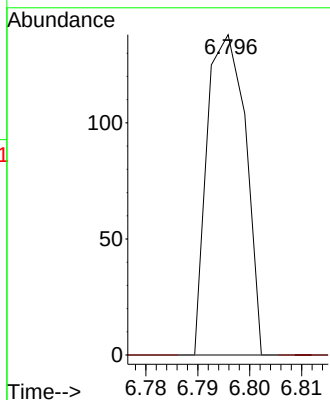
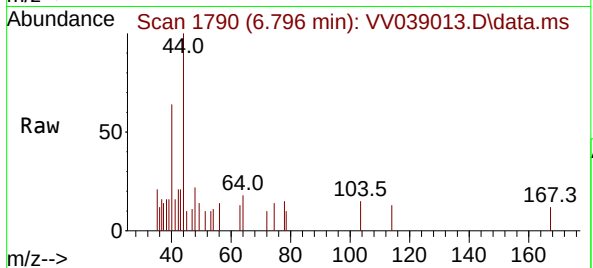




#58
2-Chloroethyl Vinyl ether
Concen: 4.995 ug/l
RT: 6.796 min Scan# 11
Delta R.T. -0.013 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

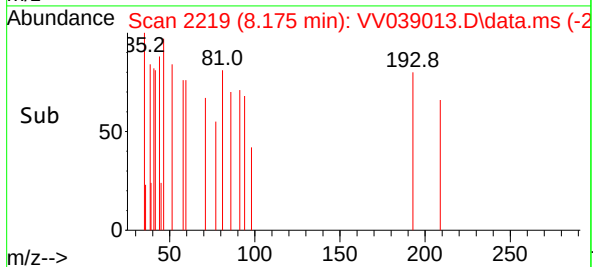
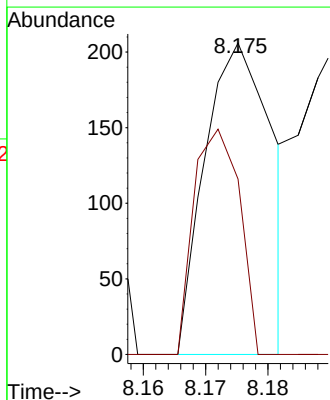
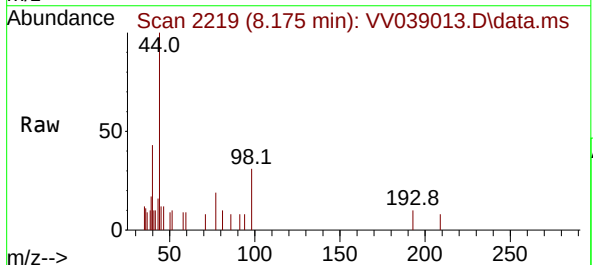
Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

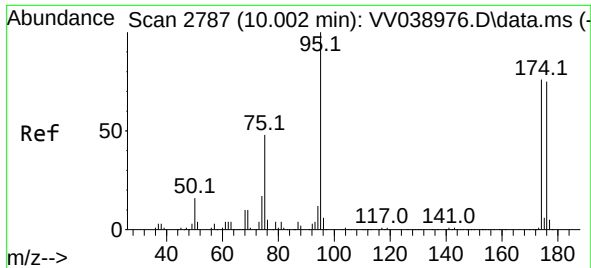
Tgt Ion: 63 Resp: 71
Ion Ratio Lower Upper
63 100
106 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 10.910 ug/l
RT: 8.175 min Scan# 2219
Delta R.T. 0.112 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
58 49.0 29.8 89.4

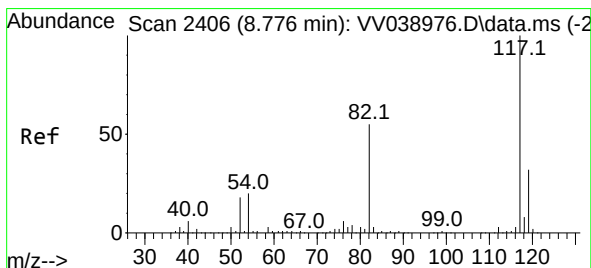
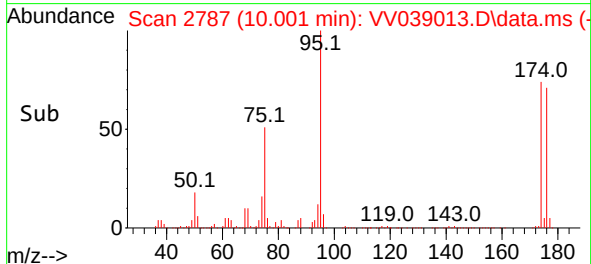
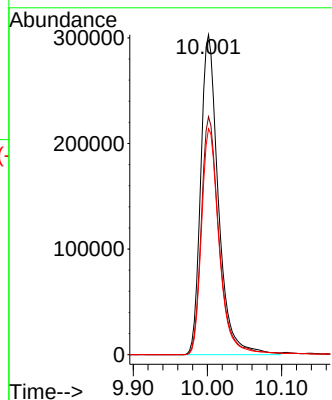
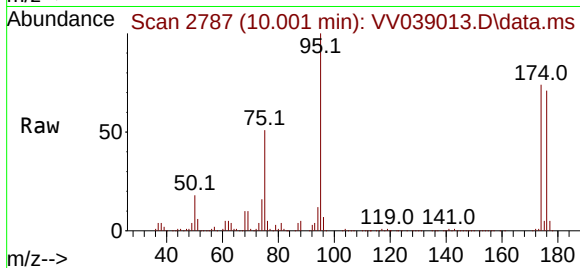




#62
4-Bromofluorobenzene
Concen: 46.208 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

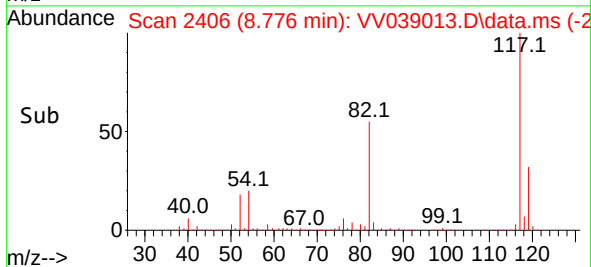
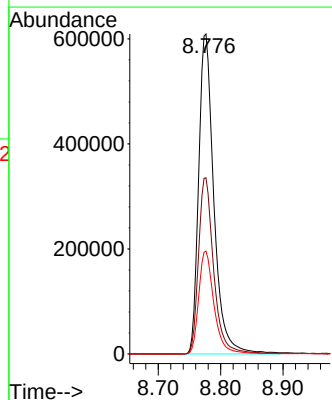
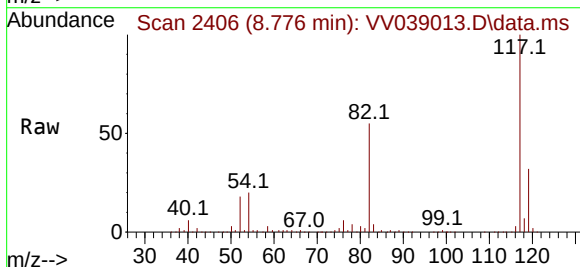
Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

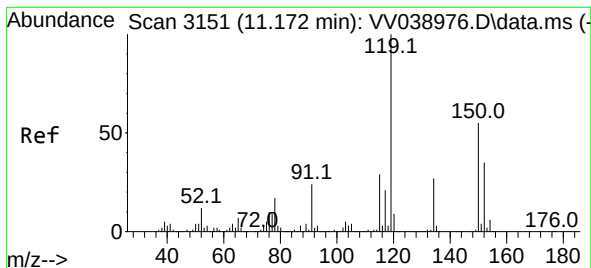
Tgt Ion: 95 Resp: 501660
Ion Ratio Lower Upper
95 100
174 75.0 0.0 154.4
176 71.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 117 Resp: 1033198
Ion Ratio Lower Upper
117 100
82 55.0 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: VV039013.D

Acq: 22 Aug 2025 13:26

Instrument :

MSVOA_V

ClientSampleId :

DA5-SW4

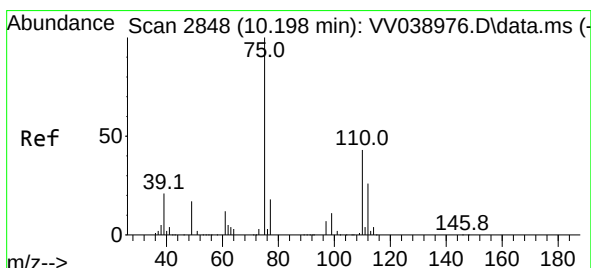
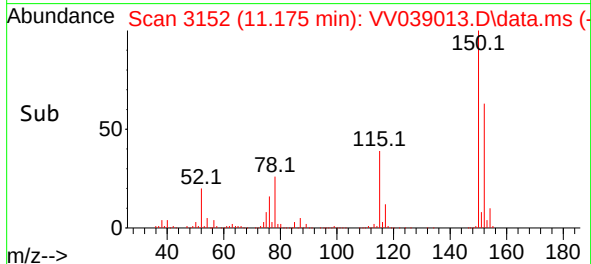
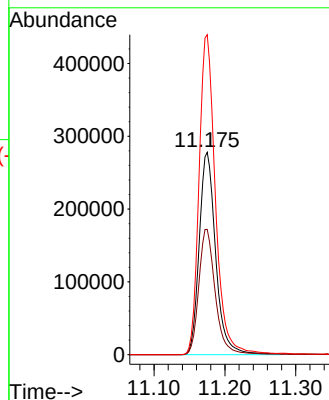
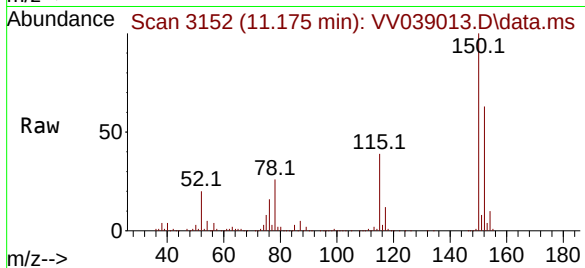
Tgt Ion:152 Resp: 449917

Ion Ratio Lower Upper

152 100

115 62.1 42.5 127.5

150 157.0 0.0 344.8



#76

1,2,3-Trichloropropane

Concen: 30.500 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV039013.D

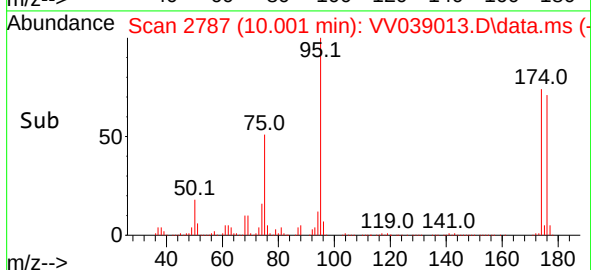
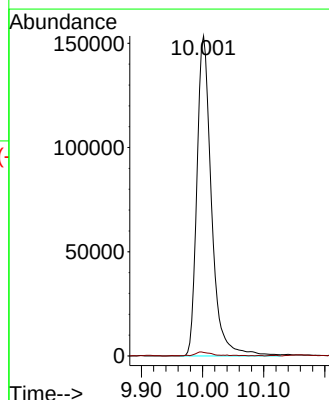
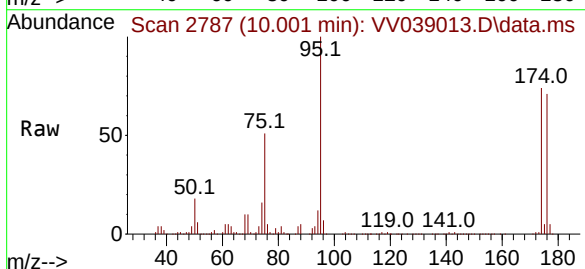
Acq: 22 Aug 2025 13:26

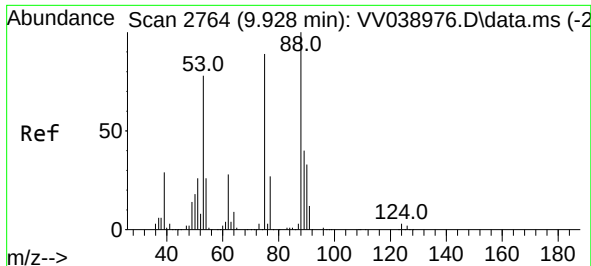
Tgt Ion: 75 Resp: 254530

Ion Ratio Lower Upper

75 100

77 1.1 11.3 33.8#

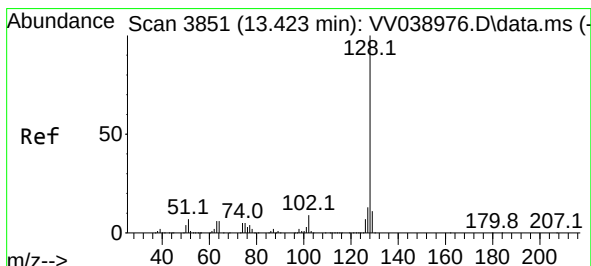
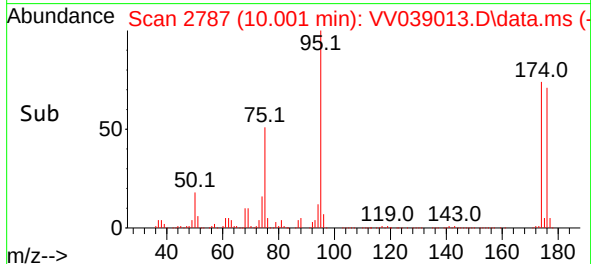
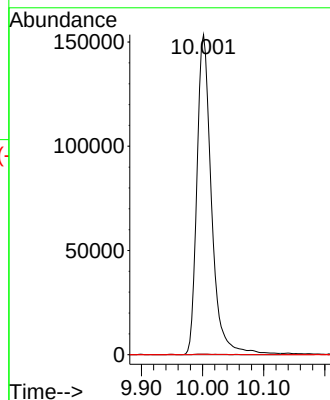
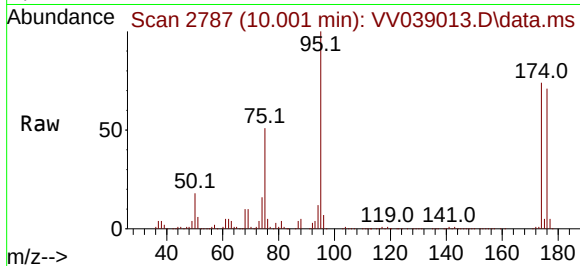




#81
trans-1,4-Dichloro-2-butene
Concen: 70.024 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Instrument :
MSVOA_V
ClientSampleId :
DA5-SW4

Tgt Ion: 75 Resp: 254530
Ion Ratio Lower Upper
75 100
53 0.3 70.3 105.5#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.708 ug/l
RT: 13.445 min Scan# 3858
Delta R.T. 0.022 min
Lab File: VV039013.D
Acq: 22 Aug 2025 13:26

Tgt Ion: 128 Resp: 19469
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 7.7 8.5 12.7#

