

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
 Data File : VV039016.D
 Acq On : 22 Aug 2025 14:31
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Aug 25 02:23:32 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)

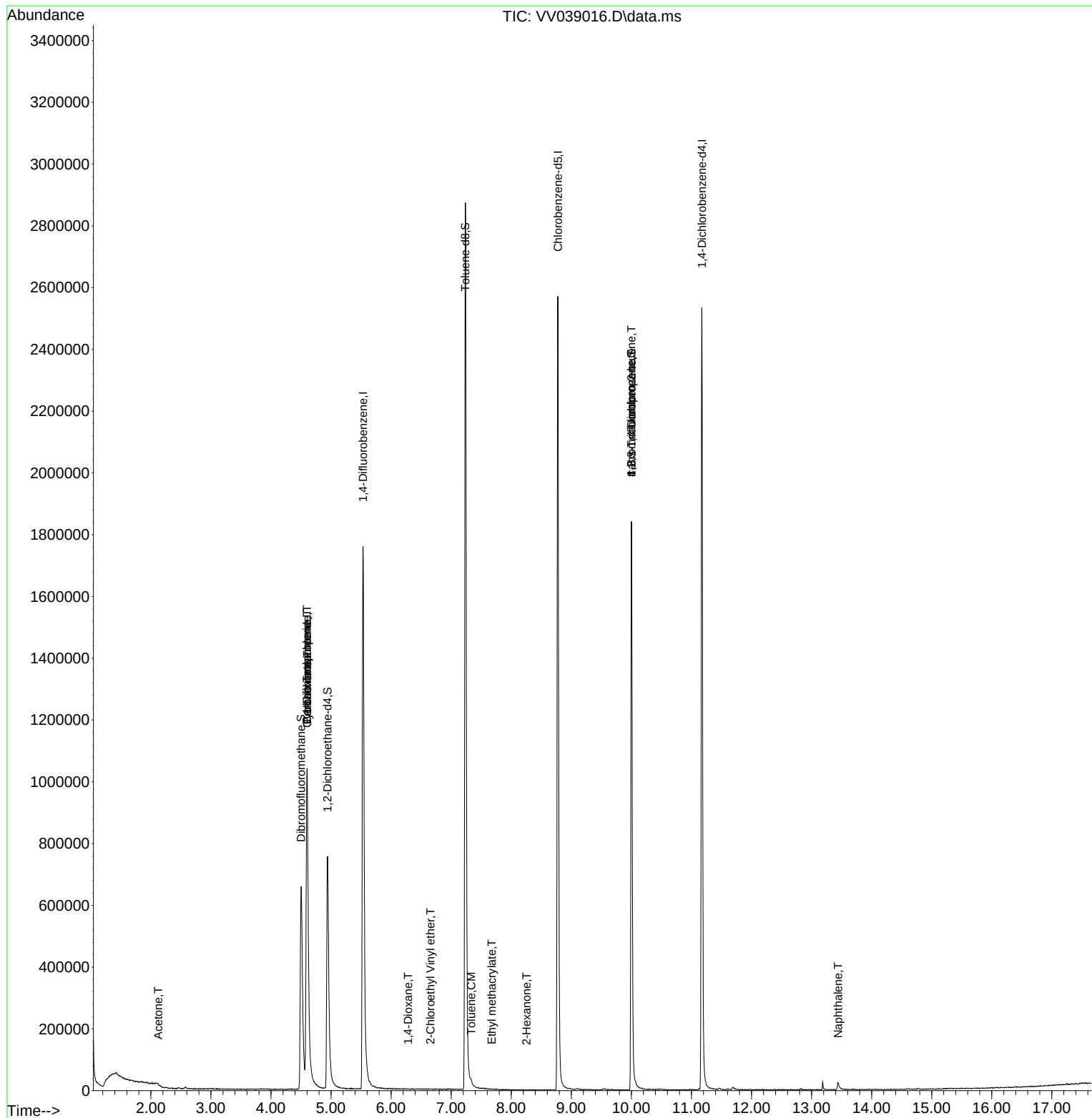
Internal Standards						
1) Pentafluorobenzene	4.600	168	857609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1671556	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1451078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	672815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	679773	56.489	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	112.980%
35) Dibromofluoromethane	4.503	113	557010	44.434	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	88.860%
50) Toluene-d8	7.236	98	1997396	45.693	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.380%
62) 4-Bromofluorobenzene	10.001	95	635662	39.750	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	79.500%#
Target Compounds						
					Qvalue	
13) Acrolein	2.014	56	186	Below Cal	#	60
16) Acetone	2.124	43	1398	0.289	ug/l #	68
28) Bromochloromethane	4.127	49	90	Below Cal	#	3
31) Cyclohexane	4.603	56	21237	1.259	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	78790	4.840	ug/l #	46
38) Carbon Tetrachloride	4.600	117	95183	4.366	ug/l #	15
49) 1,4-Dioxane	6.281	88	71	0.390	ug/l #	1
52) Toluene	7.333	92	8699	0.269	ug/l	98
56) Ethyl methacrylate	7.673	69	72	2.318	ug/l #	16
58) 2-Chloroethyl Vinyl ether	6.654	63	73	4.992	ug/l	92
59) 2-Hexanone	8.252	43	29	10.899	ug/l	78
76) 1,2,3-Trichloropropane	10.001	75	316058	25.326	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.001	75	316058	58.144	ug/l #	14
95) Naphthalene	13.442	128	26393	0.642	ug/l #	92

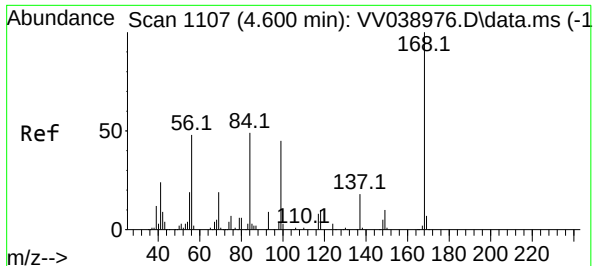
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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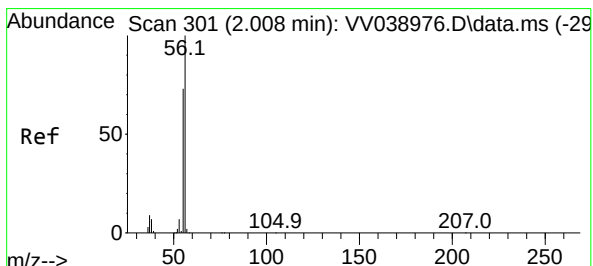
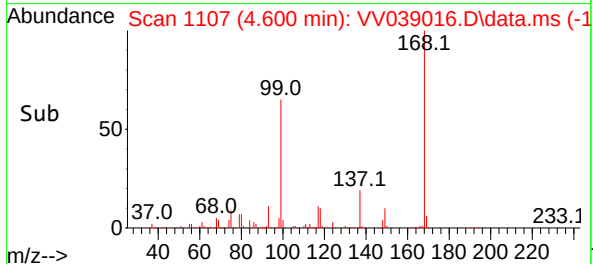
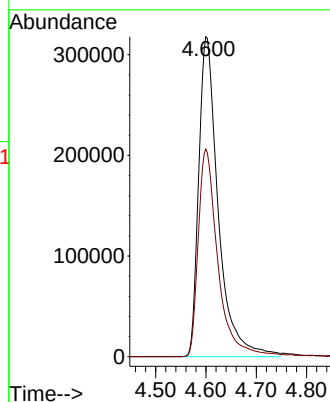
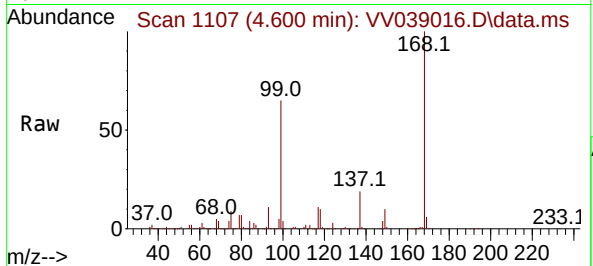




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

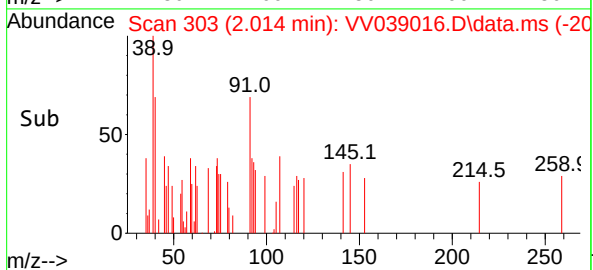
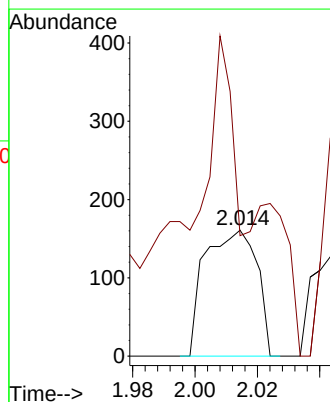
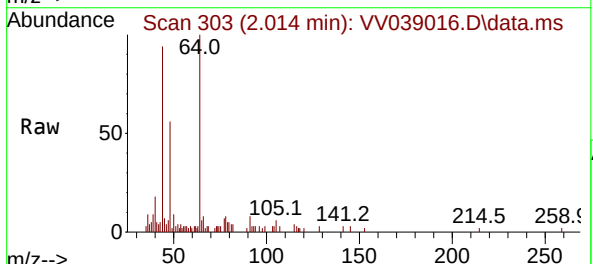
Instrument :
MSVOA_V
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VIBLK

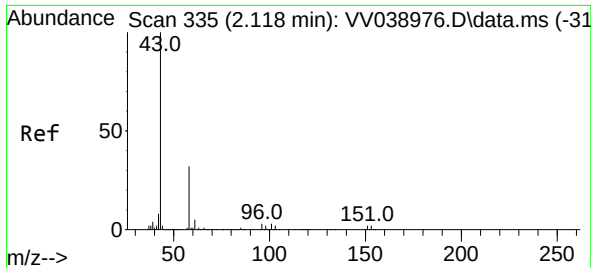
Tgt Ion:168 Resp: 857609
Ion Ratio Lower Upper
168 100
99 64.9 47.0 70.6



#13
Acrolein
Concen: Below Cal
RT: 2.014 min Scan# 303
Delta R.T. 0.006 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 107.5 58.8 88.2#





#16

Acetone

Concen: 0.289 ug/l

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV039016.D

Acq: 22 Aug 2025 14:31

Instrument :

MSVOA_V

ClientSampleId :

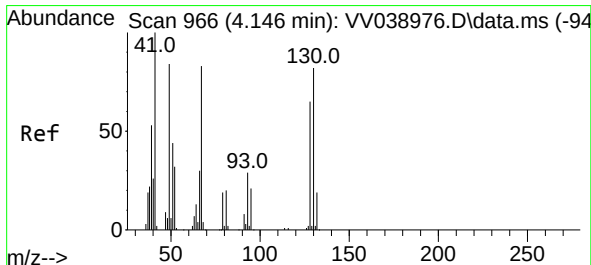
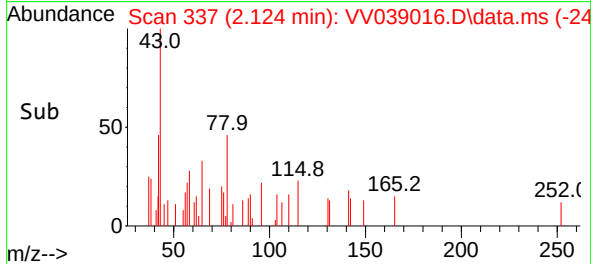
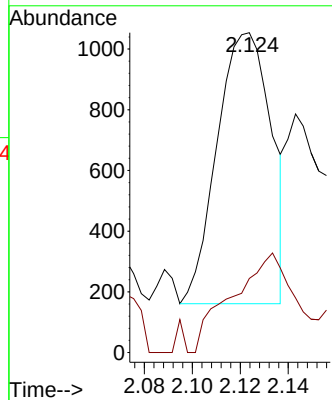
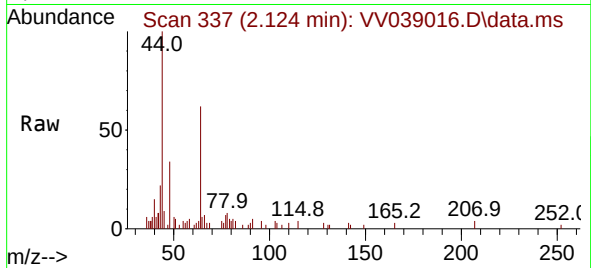
VIBLK

Tgt Ion: 43 Resp: 1398

Ion Ratio Lower Upper

43 100

58 15.1 26.3 39.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 4.127 min Scan# 960

Delta R.T. -0.019 min

Lab File: VV039016.D

Acq: 22 Aug 2025 14:31

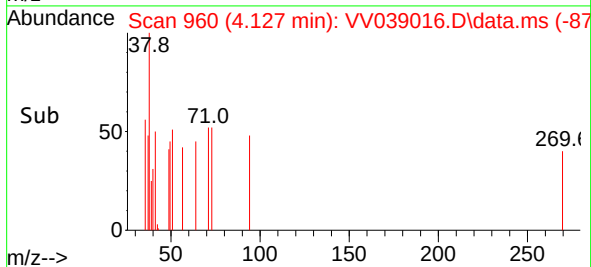
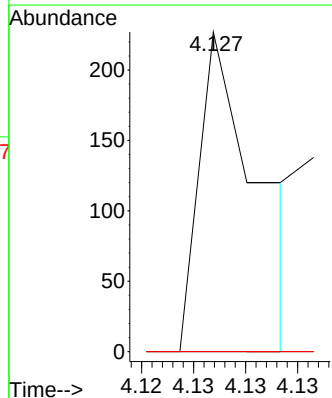
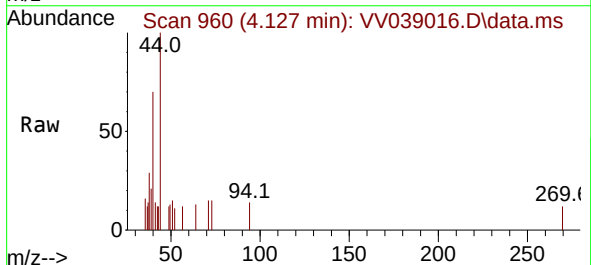
Tgt Ion: 49 Resp: 90

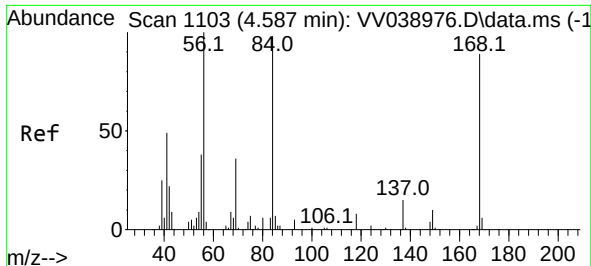
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

130 0.0 78.2 117.2#

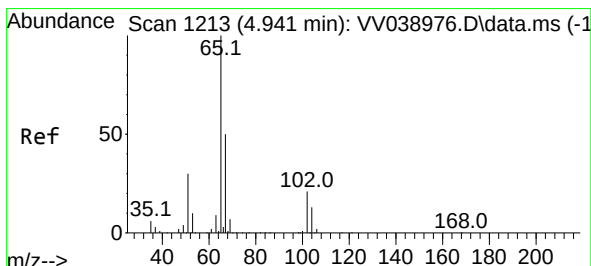
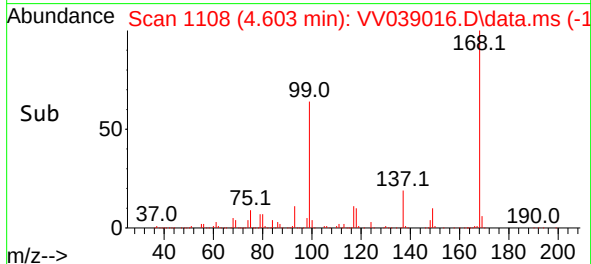
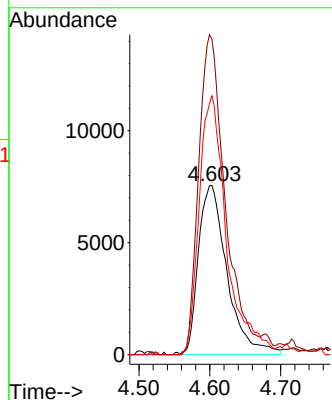
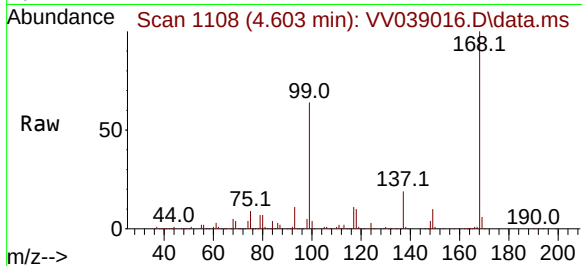




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.016 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

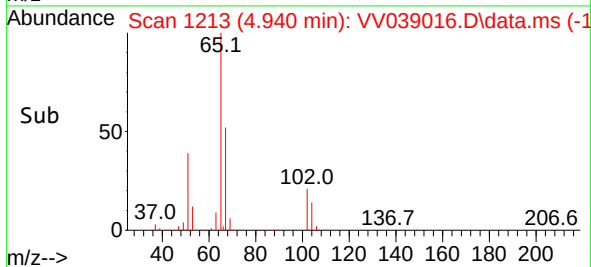
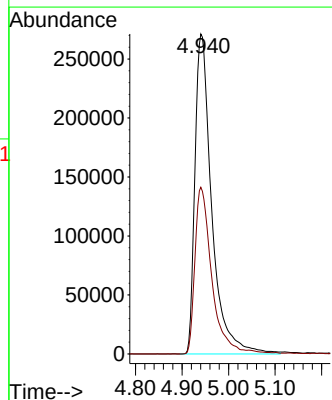
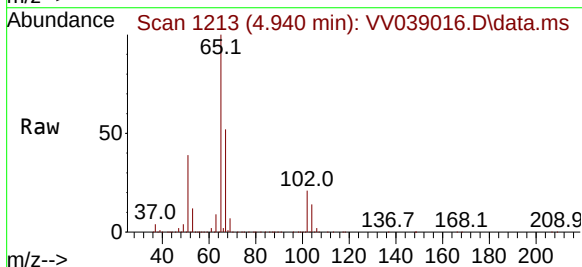
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

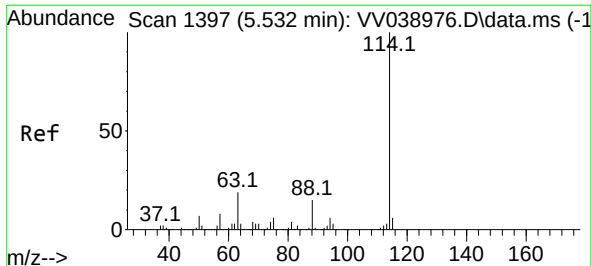
Tgt Ion: 56 Resp: 21237
Ion Ratio Lower Upper
56 100
69 186.7 28.6 42.8#
84 153.1 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 56.489 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 65 Resp: 679773
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.4

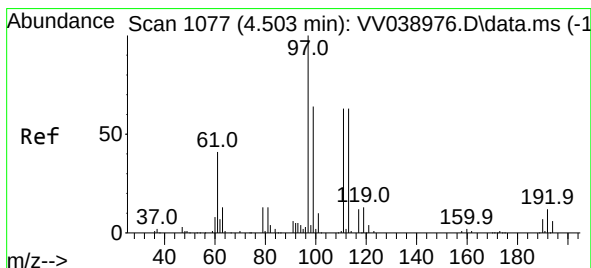
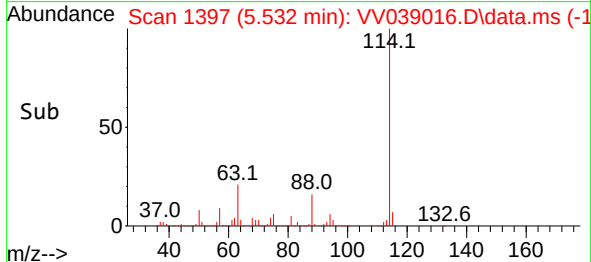
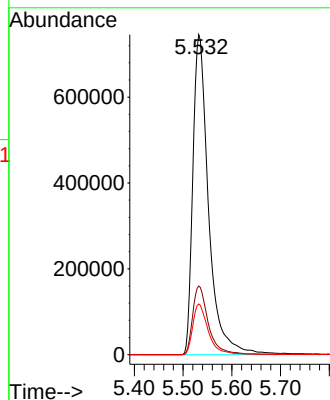
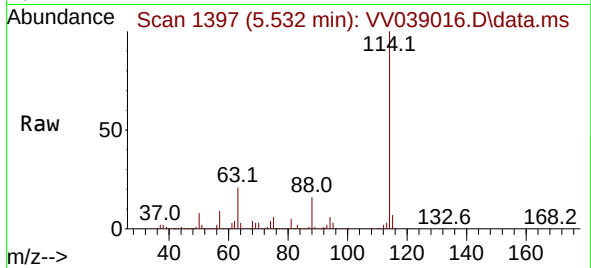




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

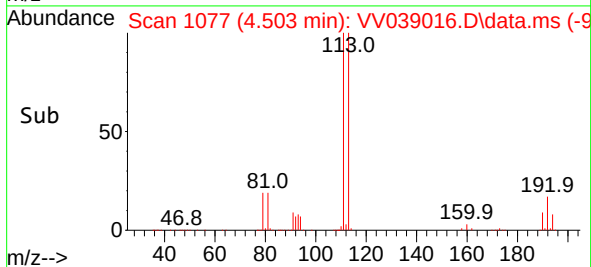
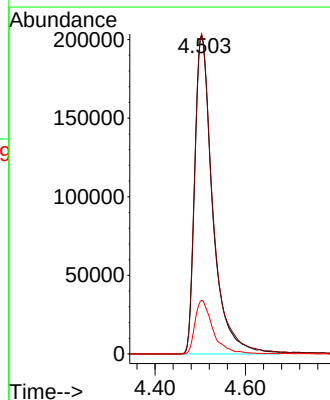
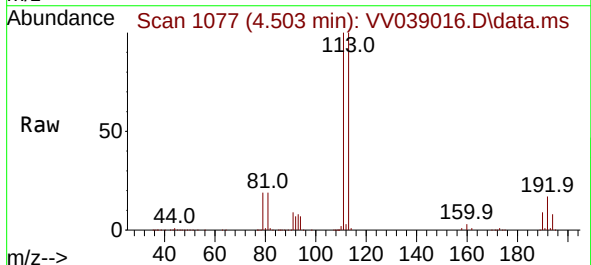
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

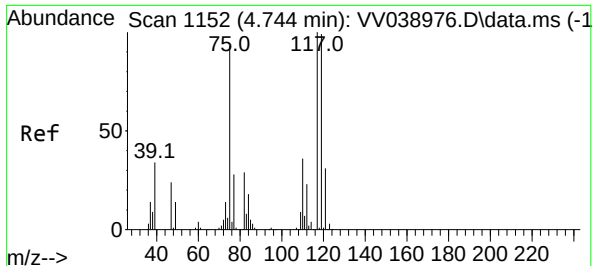
Tgt Ion:114 Resp: 1671556
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.4
88 15.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 44.434 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion:113 Resp: 557010
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 16.9 15.4 23.0

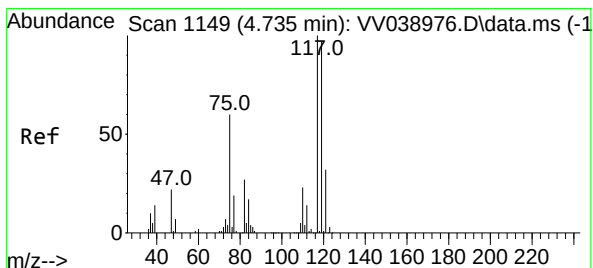
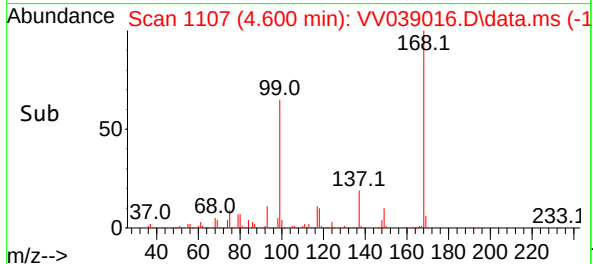
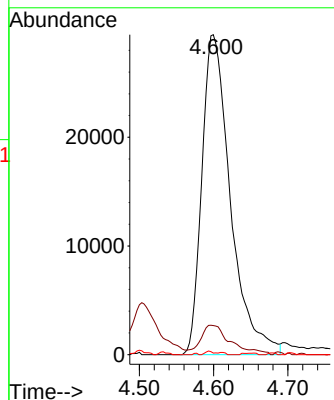
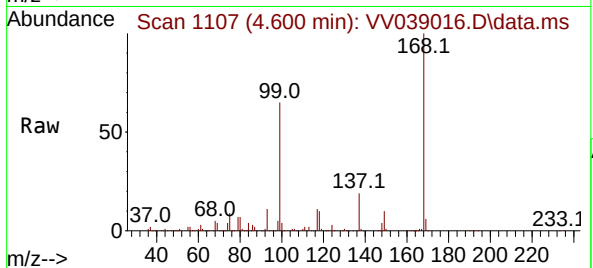




#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.145 min
 Lab File: VV039016.D
 Acq: 22 Aug 2025 14:31

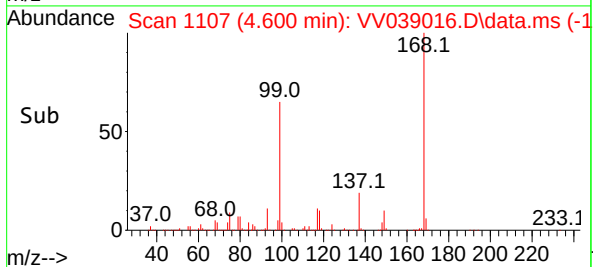
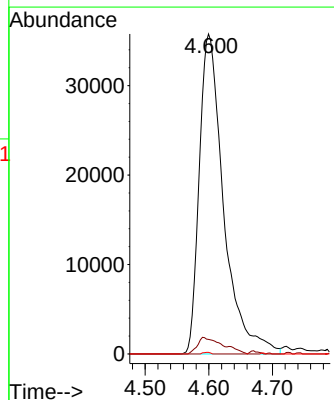
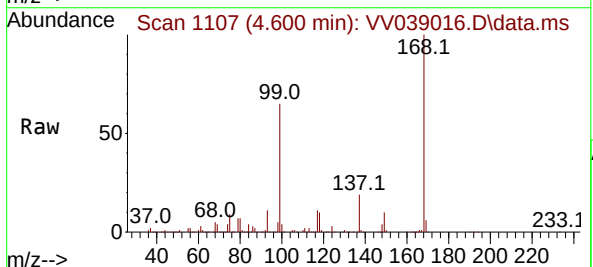
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

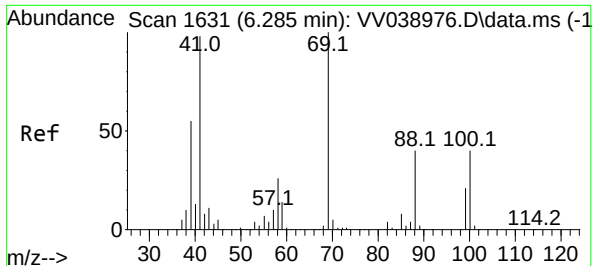
Tgt Ion: 75 Resp: 78790
 Ion Ratio Lower Upper
 75 100
 110 6.8 19.6 58.7#
 77 0.3 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.366 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.135 min
 Lab File: VV039016.D
 Acq: 22 Aug 2025 14:31

Tgt Ion: 117 Resp: 95183
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.1 115.7#
 121 0.5 25.4 38.2#





#49

1,4-Dioxane

Concen: 0.390 ug/l

RT: 6.281 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039016.D

Acq: 22 Aug 2025 14:31

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

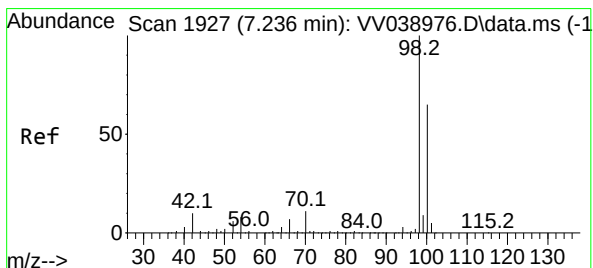
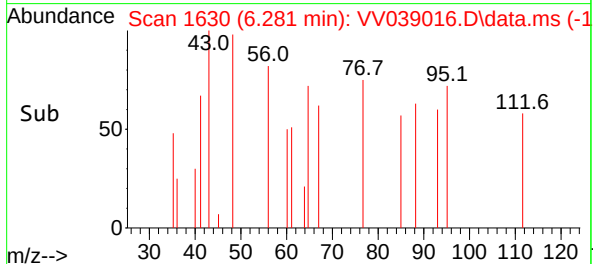
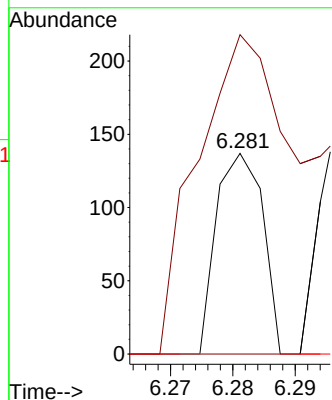
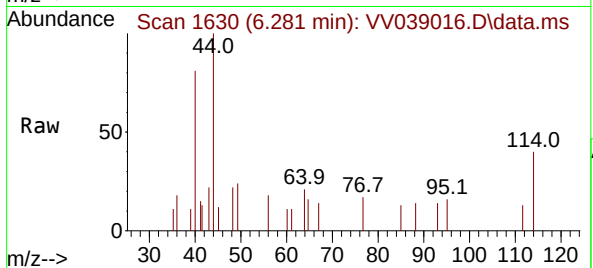
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 305.6 24.6 36.8#

58 0.0 51.8 77.6#



#50

Toluene-d8

Concen: 45.693 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV039016.D

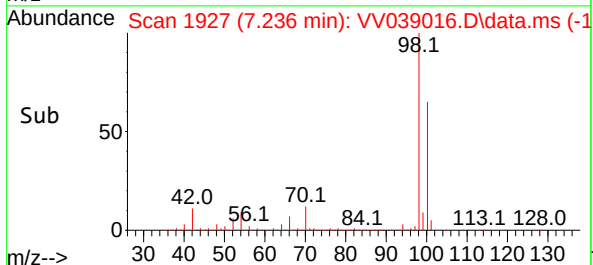
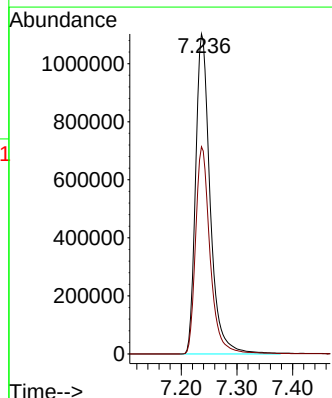
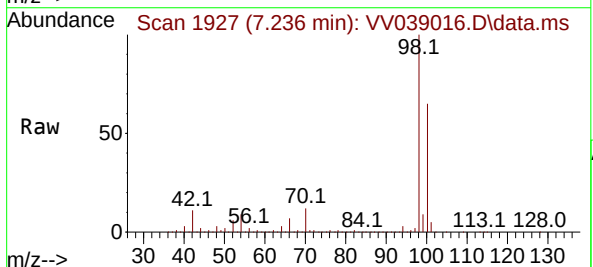
Acq: 22 Aug 2025 14:31

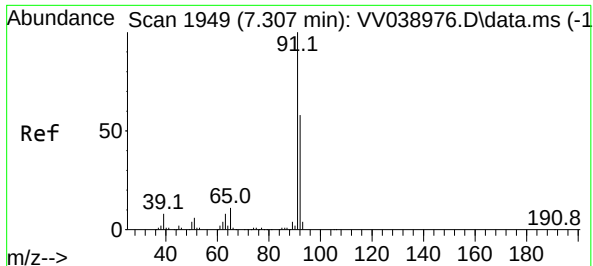
Tgt Ion: 98 Resp: 1997396

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2

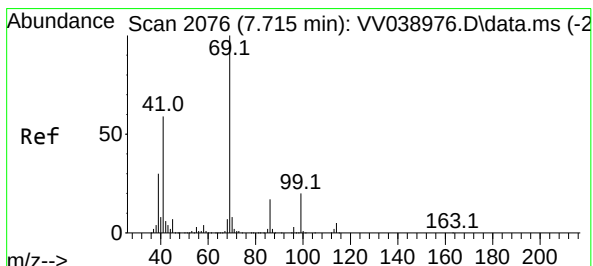
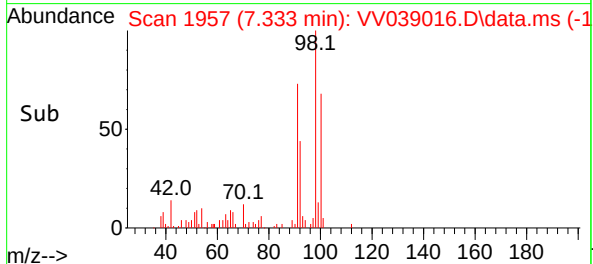
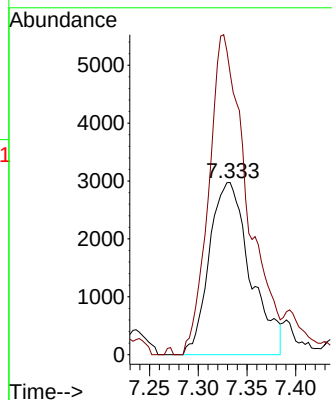
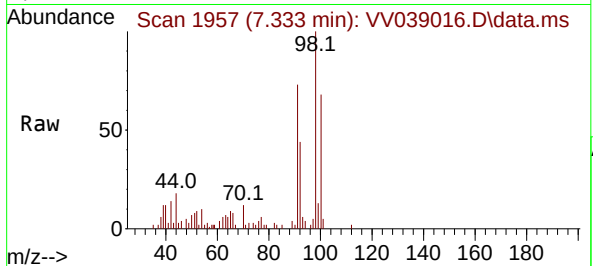




#52
Toluene
Concen: 0.269 ug/l
RT: 7.333 min Scan# 1949
Delta R.T. 0.025 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

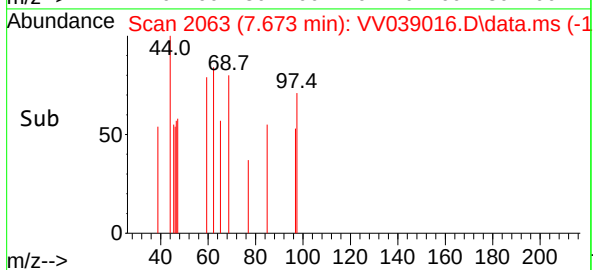
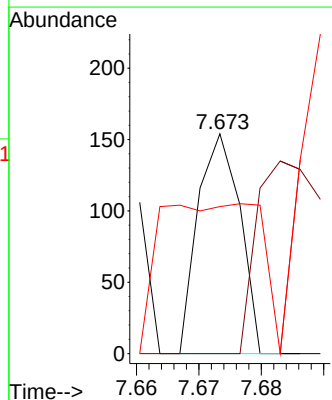
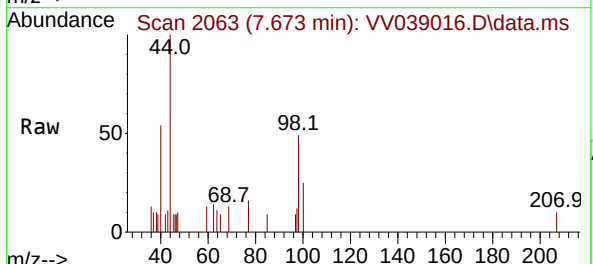
Instrument :
MSVOA_V
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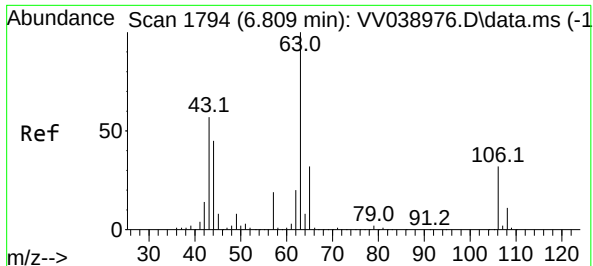
Tgt Ion: 92 Resp: 8699
Ion Ratio Lower Upper
92 100
91 173.7 136.3 204.5



#56
Ethyl methacrylate
Concen: 2.318 ug/l
RT: 7.673 min Scan# 2063
Delta R.T. -0.042 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 0.0 47.5 71.3#
39 81.9 24.2 36.2#

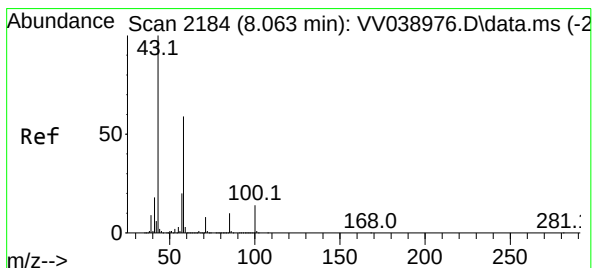
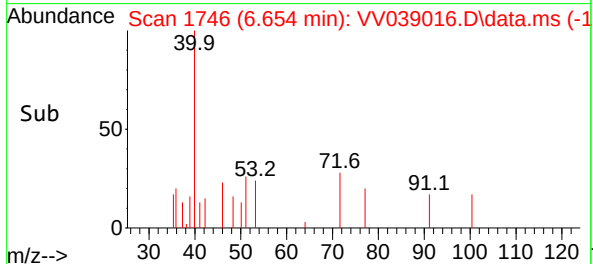
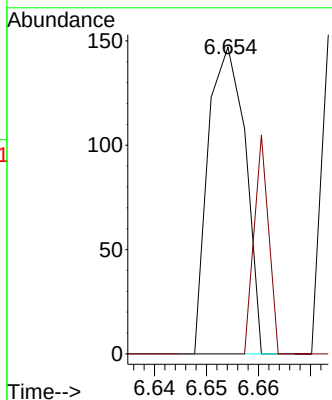
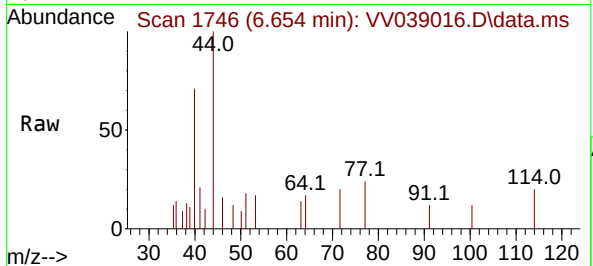




#58
2-Chloroethyl Vinyl ether
Concen: 4.992 ug/l
RT: 6.654 min Scan# 11
Delta R.T. -0.155 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

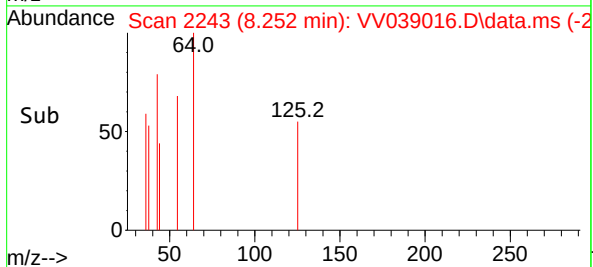
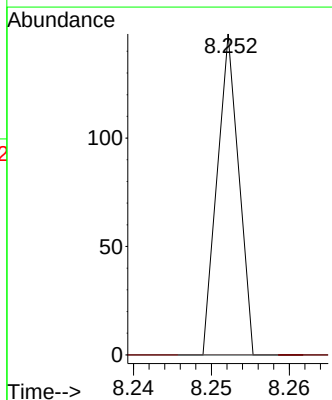
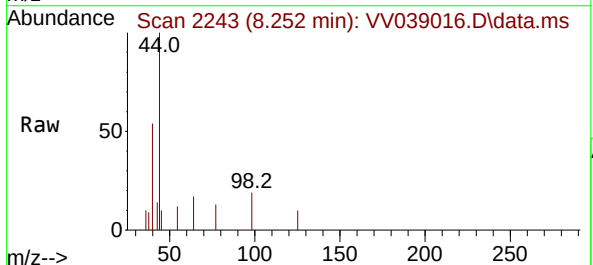
Instrument :
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ClientSampleId :
VIBLK

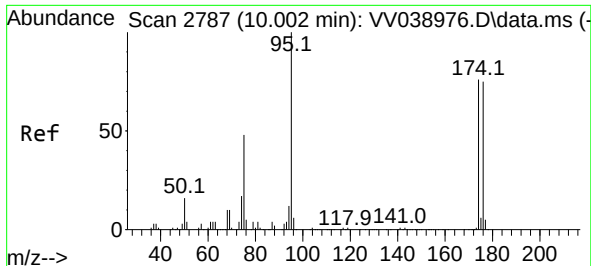
Tgt Ion: 63 Resp: 73
Ion Ratio Lower Upper
63 100
106 27.4 25.6 38.4



#59
2-Hexanone
Concen: 10.899 ug/l
RT: 8.252 min Scan# 2243
Delta R.T. 0.189 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
58 75.9 29.8 89.4

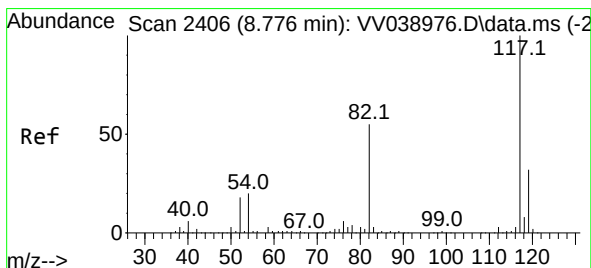
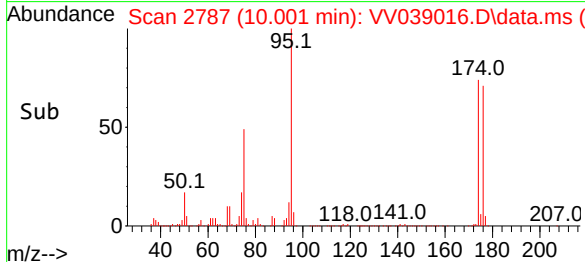
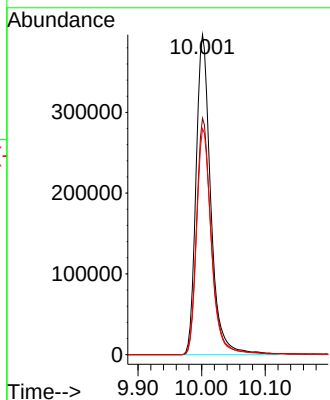
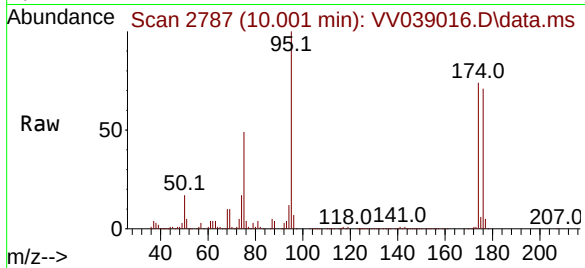




#62
4-Bromofluorobenzene
Concen: 39.750 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

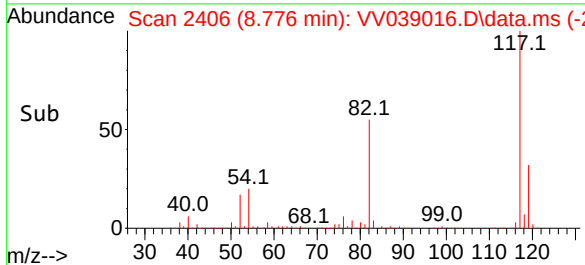
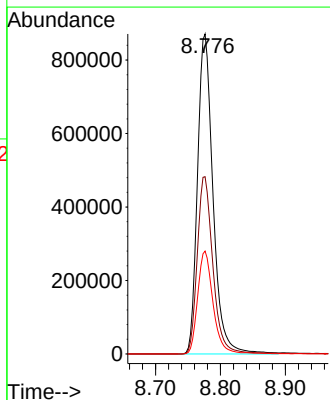
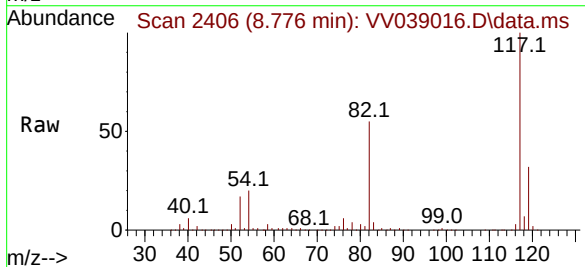
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

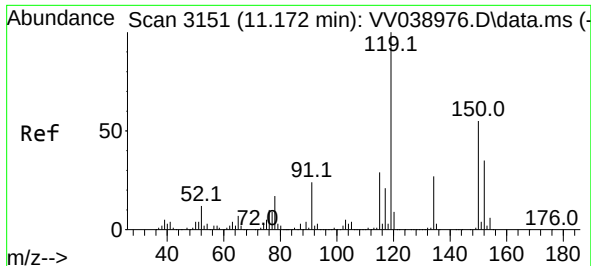
Tgt Ion: 95 Resp: 635662
Ion Ratio Lower Upper
95 100
174 74.0 0.0 154.4
176 71.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 117 Resp: 1451078
Ion Ratio Lower Upper
117 100
82 55.4 44.4 66.6
119 32.1 26.0 39.0

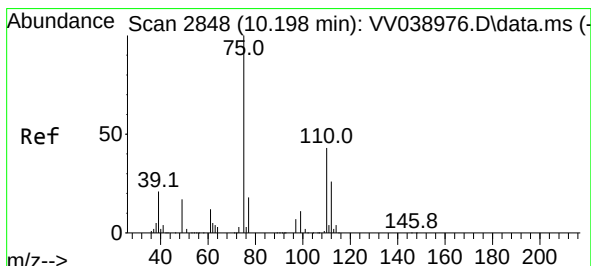
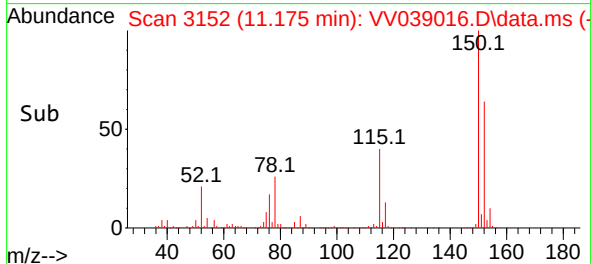
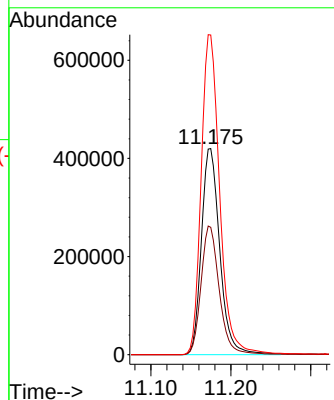
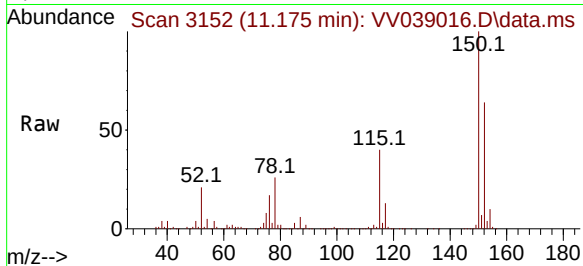




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV039016.D
 Acq: 22 Aug 2025 14:31

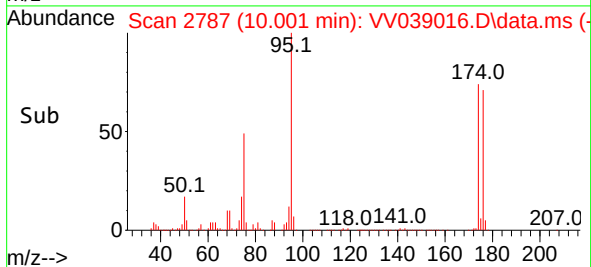
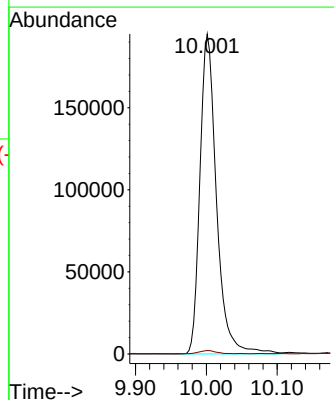
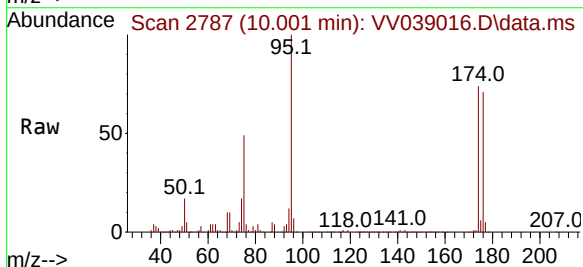
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

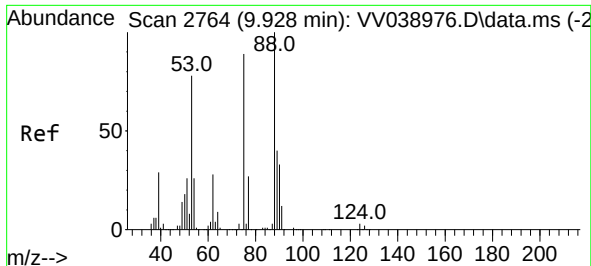
Tgt Ion:152 Resp: 672815
 Ion Ratio Lower Upper
 152 100
 115 62.0 42.5 127.5
 150 157.1 0.0 344.8



#76
 1,2,3-Trichloropropane
 Concen: 25.326 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV039016.D
 Acq: 22 Aug 2025 14:31

Tgt Ion: 75 Resp: 316058
 Ion Ratio Lower Upper
 75 100
 77 1.0 11.3 33.8#

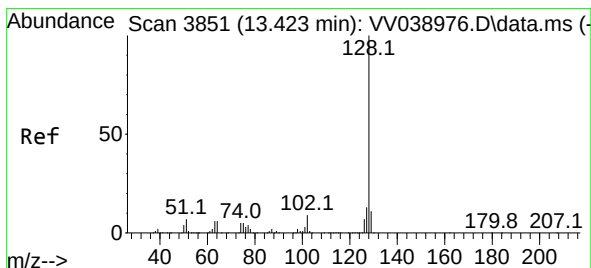
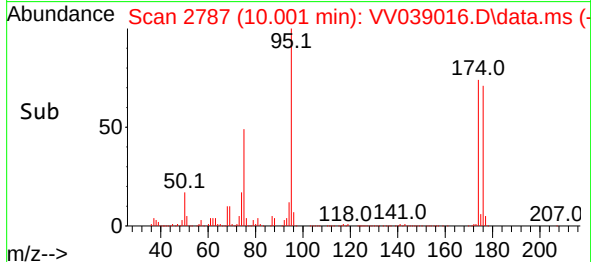
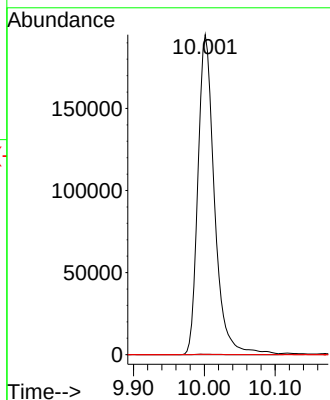
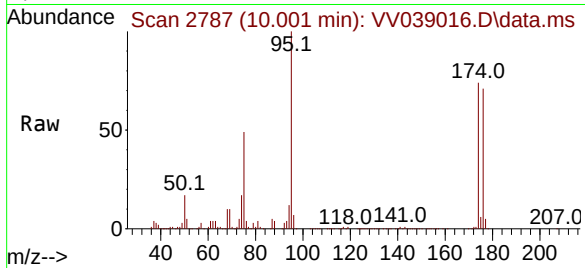




#81
trans-1,4-Dichloro-2-butene
Concen: 58.144 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 316058
Ion Ratio Lower Upper
75 100
53 0.2 70.3 105.5#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.642 ug/l
RT: 13.442 min Scan# 3857
Delta R.T. 0.019 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 128 Resp: 26393
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 6.3 8.5 12.7#

