

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039244.D
 Acq On : 03 Oct 2025 11:26
 Operator : SY/MD
 Sample : VV1003WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1003WBL01

Quant Time: Oct 04 01:08:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.600	168	501875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	854024	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	854306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	433083	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	375765	51.732	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 103.460%	
35) Dibromofluoromethane	4.503	113	360439	52.499	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 105.000%	
50) Toluene-d8	7.236	98	900252	44.645	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 89.300%	
62) 4-Bromofluorobenzene	10.001	95	374884	45.160	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 90.320%	

Target Compounds			Qvalue			
6) Chloroethane	1.558	64	108	Below Cal	#	44
10) Methyl Iodide	2.211	142	2193	0.293	ug/l #	62
13) Acrolein	2.008	56	71	0.267	ug/l #	1
16) Acetone	2.130	43	1850	Below Cal		98
17) Carbon Disulfide	2.256	76	4899	0.212	ug/l	96
20) Methylene Chloride	2.458	84	5693	Below Cal	#	85
31) Cyclohexane	4.603	56	10475	0.809	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	40679	3.919	ug/l #	46
38) Carbon Tetrachloride	4.603	117	50901	4.012	ug/l #	18
41) Methacrylonitrile	4.153	41	156	1.937	ug/l #	34
49) 1,4-Dioxane	6.127	88	43	0.342	ug/l #	33
58) 2-Chloroethyl Vinyl ether	6.777	63	79	9.636	ug/l #	47
59) 2-Hexanone	8.069	43	47	2.331	ug/l #	23
70) Styrene	9.564	104	155	1.567	ug/l #	71
76) 1,2,3-Trichloropropane	10.001	75	181869	18.444	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	181869	44.278	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.384	75	43	Below Cal	#	5

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

Quant Time: Oct 04 01:08:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

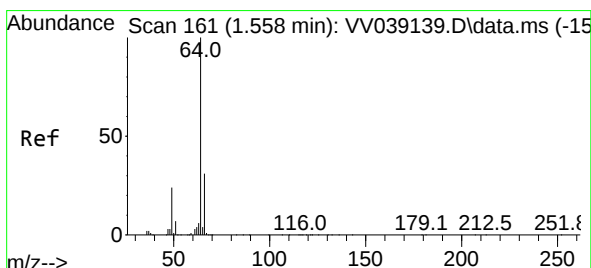
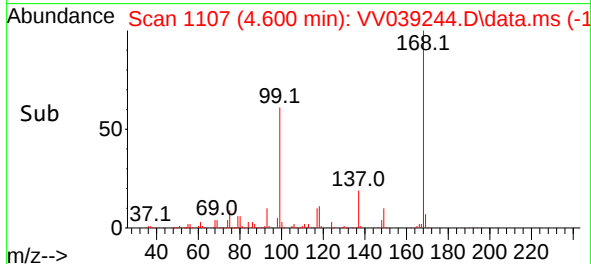
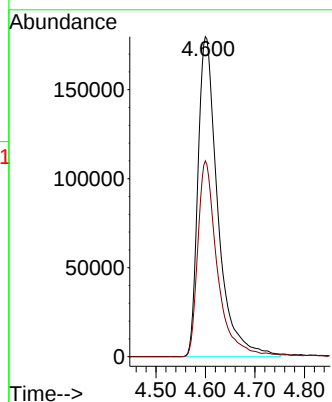
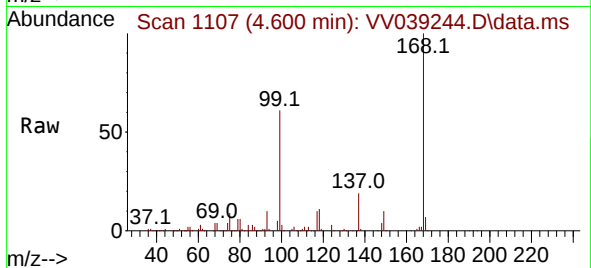




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

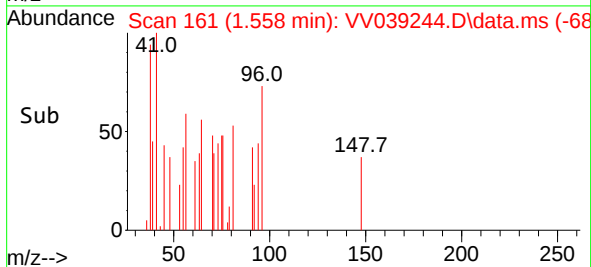
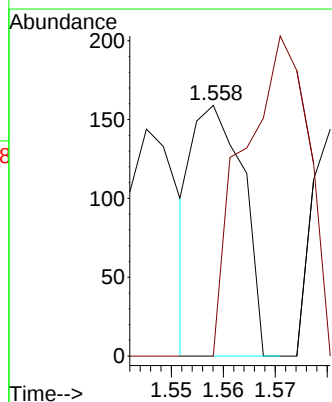
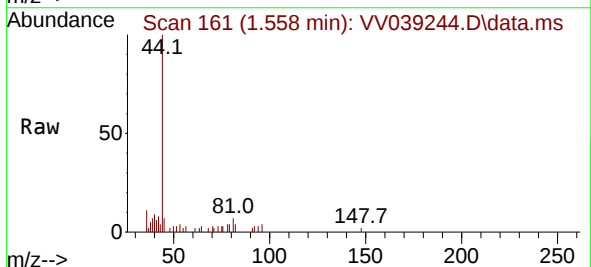
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

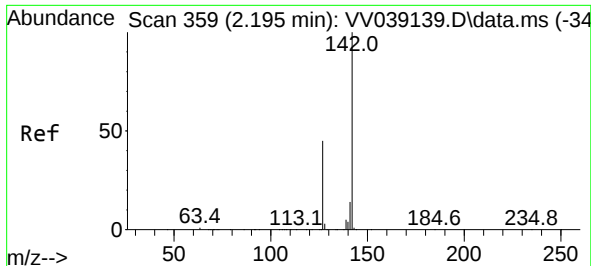
Tgt Ion:168 Resp: 501875
Ion Ratio Lower Upper
168 100
99 61.2 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

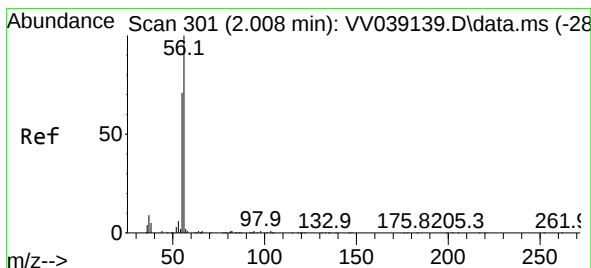
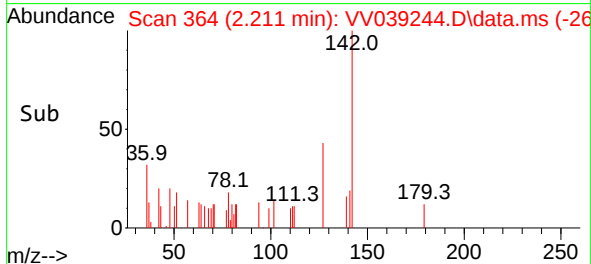
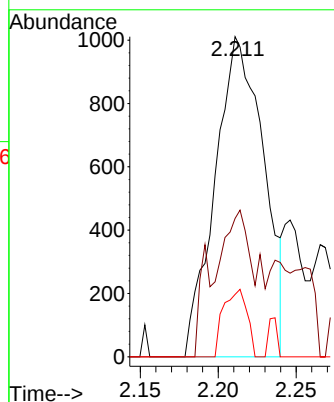
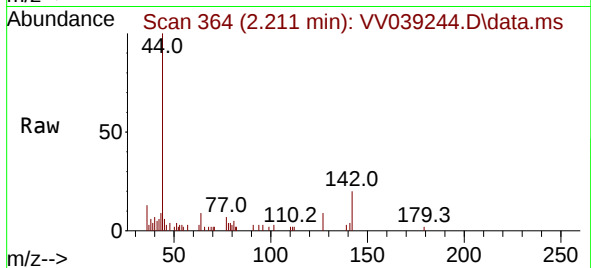




#10
Methyl Iodide
Concen: 0.293 ug/l
RT: 2.211 min Scan# 301
Delta R.T. 0.016 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

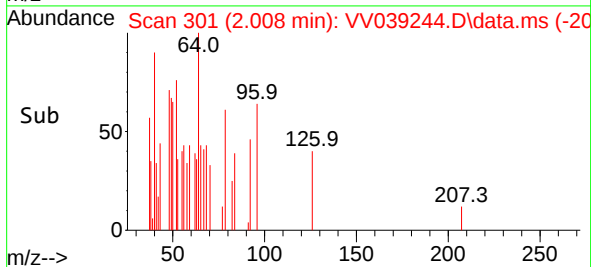
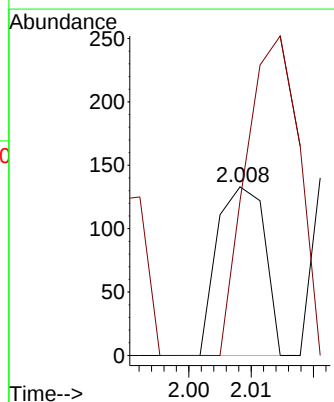
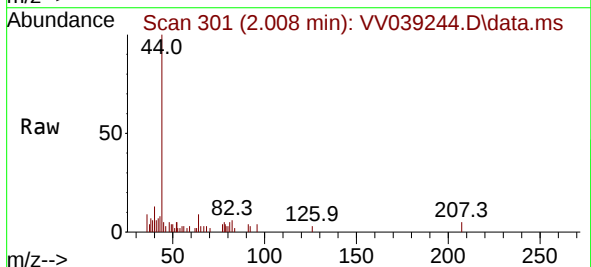
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

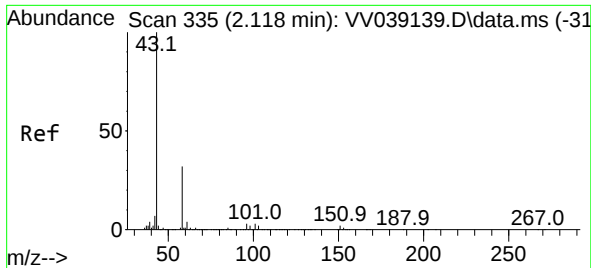
Tgt Ion:142 Resp: 2193
Ion Ratio Lower Upper
142 100
127 14.6 36.3 54.5#
141 10.2 11.2 16.8#



#13
Acrolein
Concen: 0.267 ug/l
RT: 2.008 min Scan# 301
Delta R.T. 0.000 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 208.5 56.2 84.4#

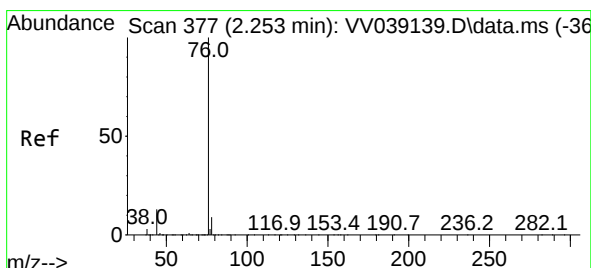
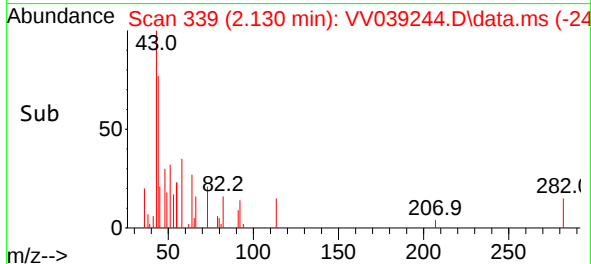
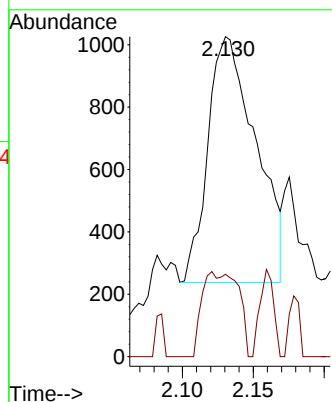
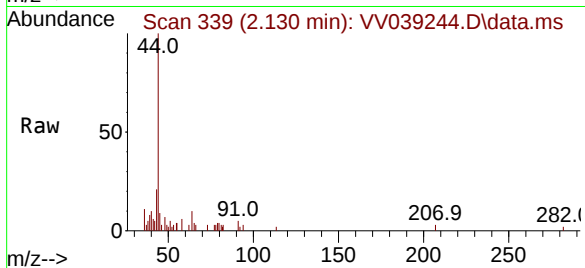




#16
Acetone
Concen: Below Cal
RT: 2.130 min Scan# 31
Delta R.T. 0.012 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

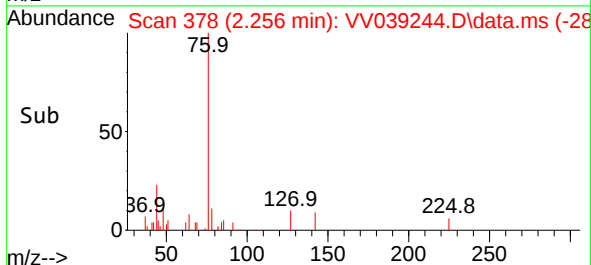
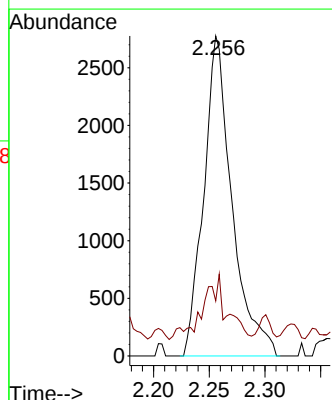
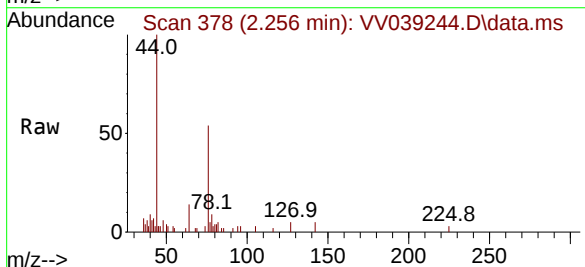
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

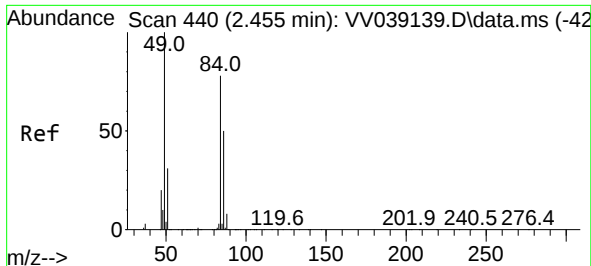
Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
58 33.5 25.8 38.6



#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 2.256 min Scan# 378
Delta R.T. 0.003 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion: 76 Resp: 4899
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0

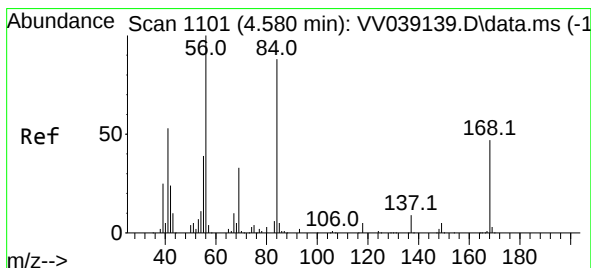
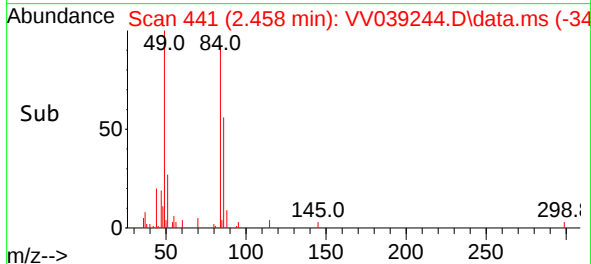
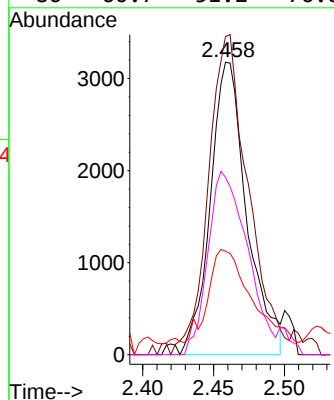
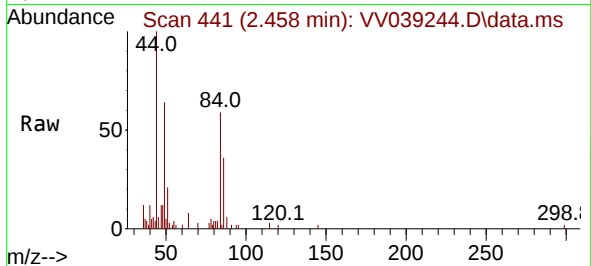




#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

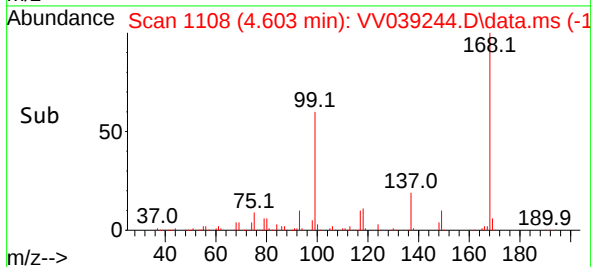
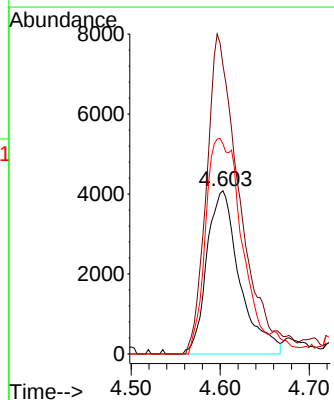
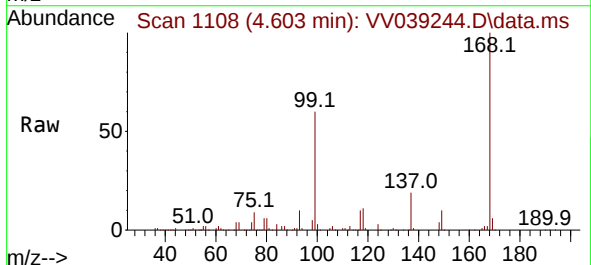
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

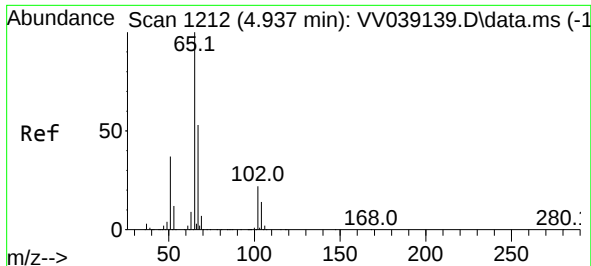
Tgt Ion:	84	Resp:	5693
Ion	Ratio	Lower	Upper
84	100		
49	104.1	102.8	154.2
51	30.8	31.9	47.9#
86	60.7	51.2	76.8



#31
Cyclohexane
Concen: 0.809 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.023 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion:	56	Resp:	10475
Ion	Ratio	Lower	Upper
56	100		
69	176.9	26.2	39.2#
84	128.8	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 51.732 ug/l

RT: 4.941 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039244.D

Acq: 03 Oct 2025 11:26

Instrument :

MSVOA_V

ClientSampleId :

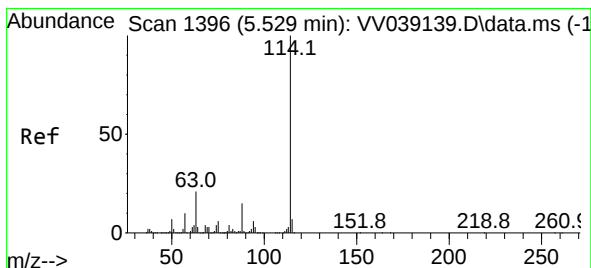
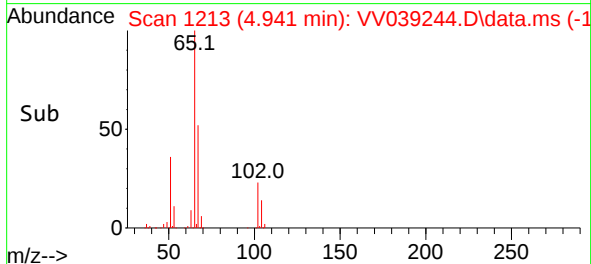
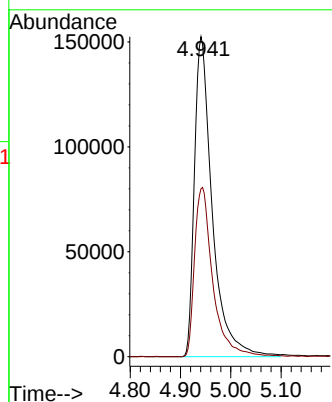
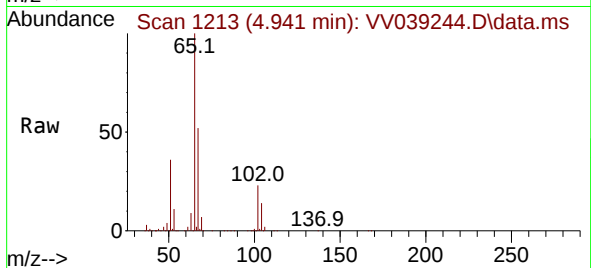
VV1003WBL01

Tgt Ion: 65 Resp: 375765

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VV039244.D

Acq: 03 Oct 2025 11:26

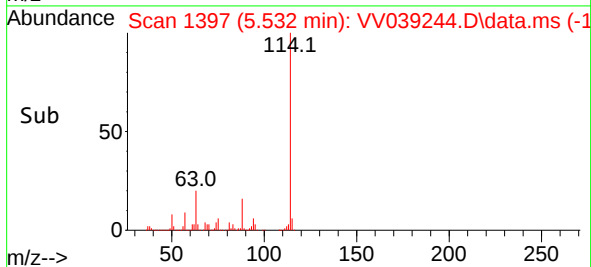
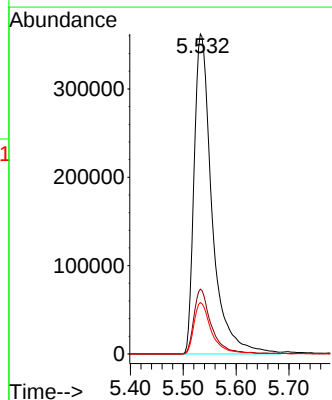
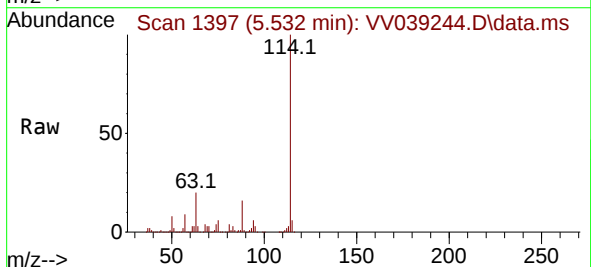
Tgt Ion: 114 Resp: 854024

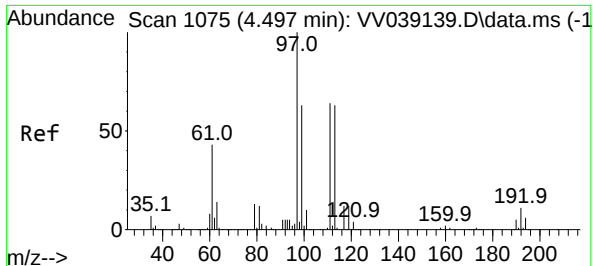
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

88 16.0 0.0 30.8

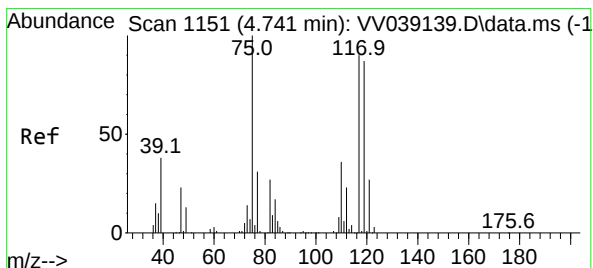
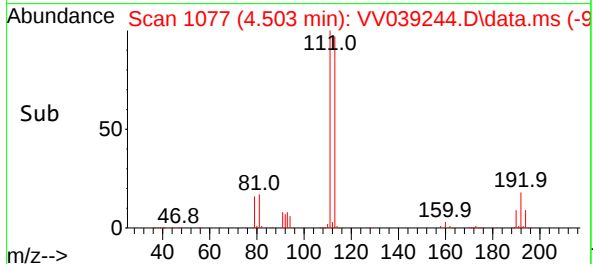
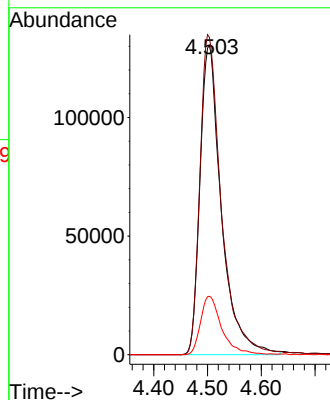
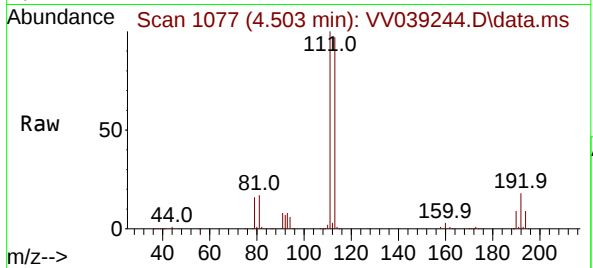




#35
 Dibromofluoromethane
 Concen: 52.499 ug/l
 RT: 4.503 min Scan# 1107
 Delta R.T. 0.006 min
 Lab File: VV039244.D
 Acq: 03 Oct 2025 11:26

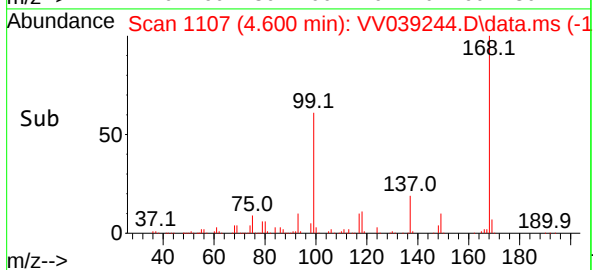
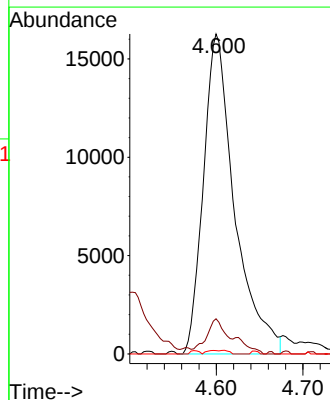
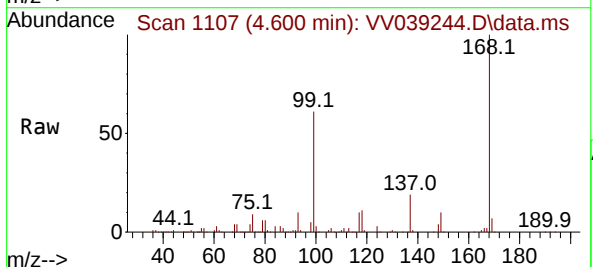
Instrument :
 MSVOA_V
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 VV1003WBL01

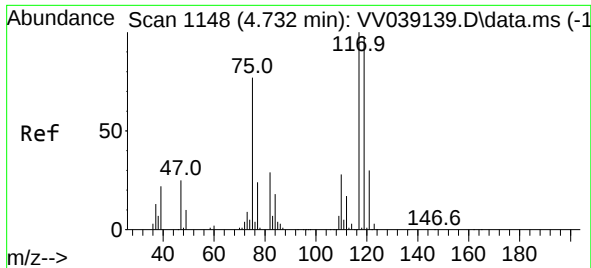
Tgt Ion:113 Resp: 360439
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 18.6 13.8 20.8



#36
 1,1-Dichloropropene
 Concen: 3.919 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.141 min
 Lab File: VV039244.D
 Acq: 03 Oct 2025 11:26

Tgt Ion: 75 Resp: 40679
 Ion Ratio Lower Upper
 75 100
 110 5.2 18.1 54.1#
 77 0.4 24.8 37.2#

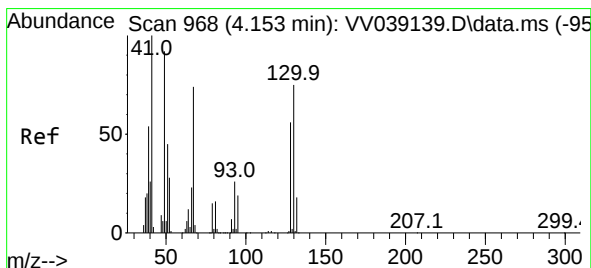
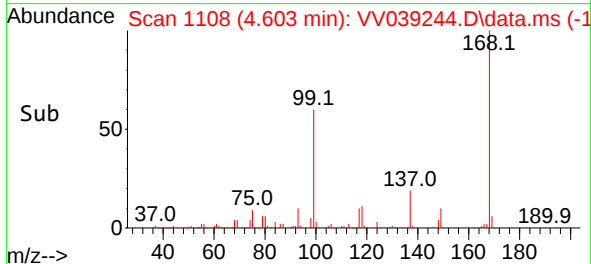
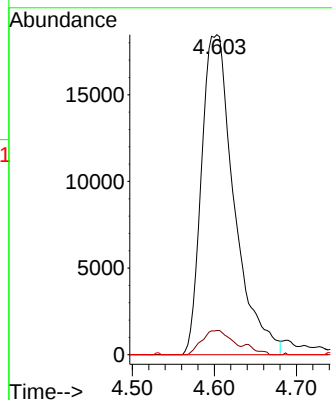
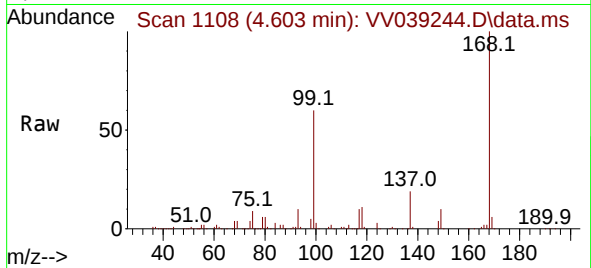




#38
Carbon Tetrachloride
Concen: 4.012 ug/l
RT: 4.603 min Scan# 1148
Delta R.T. -0.129 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

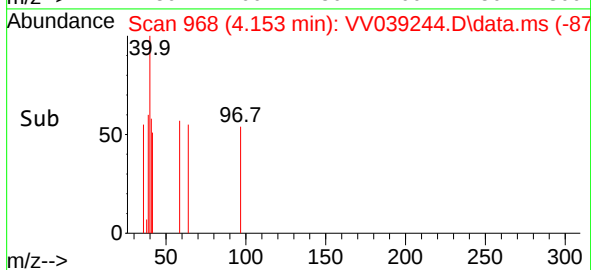
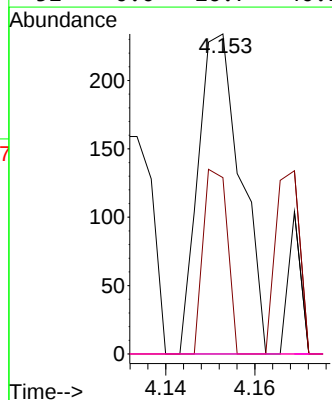
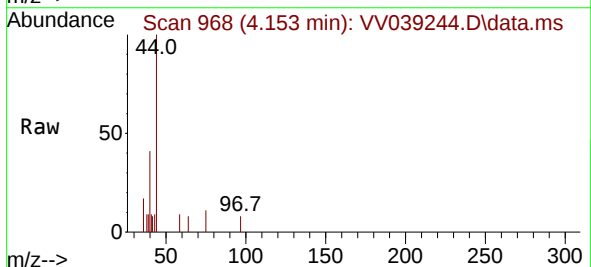
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

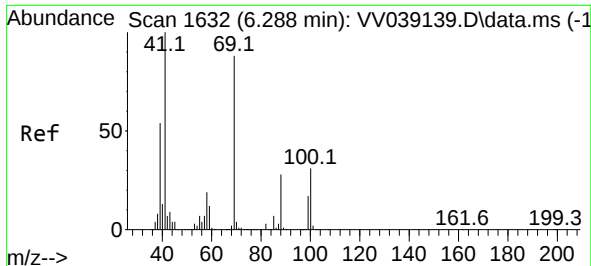
Tgt Ion:117 Resp: 50901
Ion Ratio Lower Upper
117 100
119 7.6 77.2 115.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.937 ug/l
RT: 4.153 min Scan# 968
Delta R.T. -0.000 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion: 41 Resp: 156
Ion Ratio Lower Upper
41 100
39 32.7 42.2 63.2#
67 0.0 67.9 101.9#
52 0.0 26.7 40.1#





#49

1,4-Dioxane

Concen: 0.342 ug/l

RT: 6.127 min Scan# 11

Delta R.T. -0.161 min

Lab File: VV039244.D

Acq: 03 Oct 2025 11:26

Instrument :

MSVOA_V

ClientSampleId :

VV1003WBL01

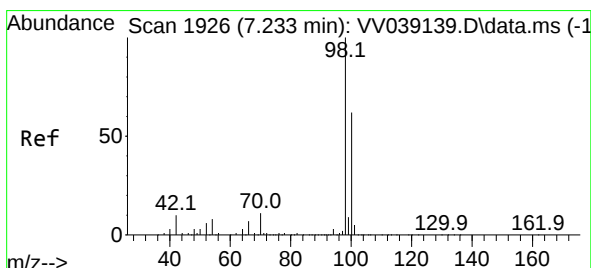
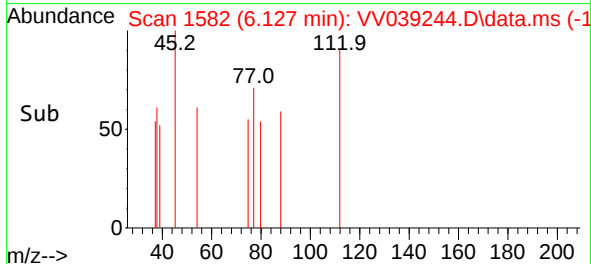
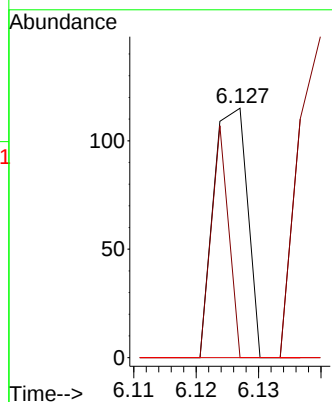
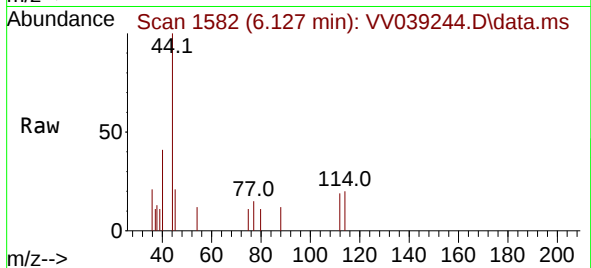
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 48.8 25.1 37.7#

58 0.0 53.6 80.4#



#50

Toluene-d8

Concen: 44.645 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039244.D

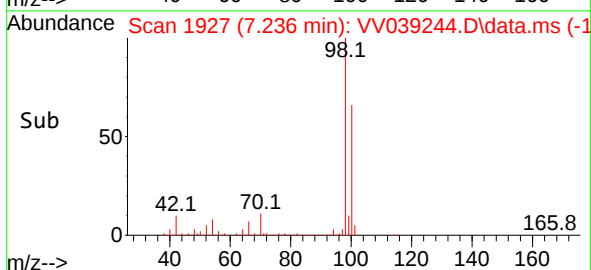
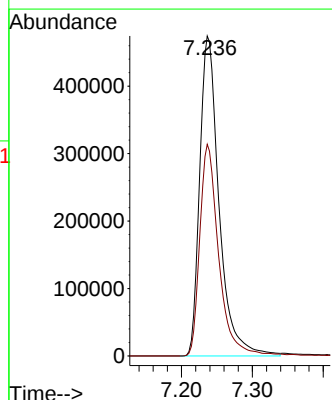
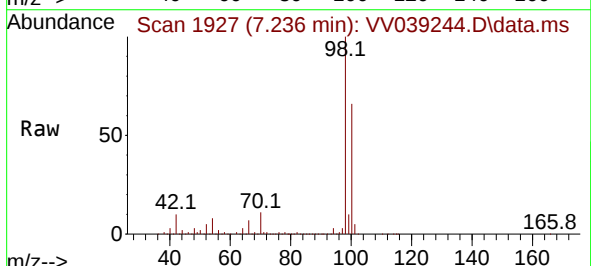
Acq: 03 Oct 2025 11:26

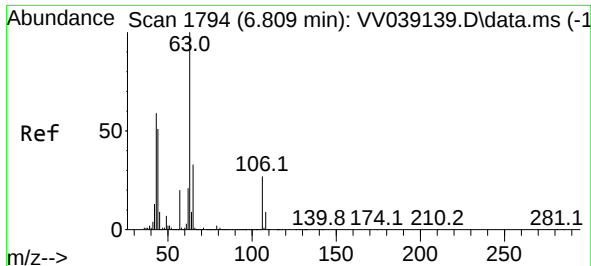
Tgt Ion: 98 Resp: 900252

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2

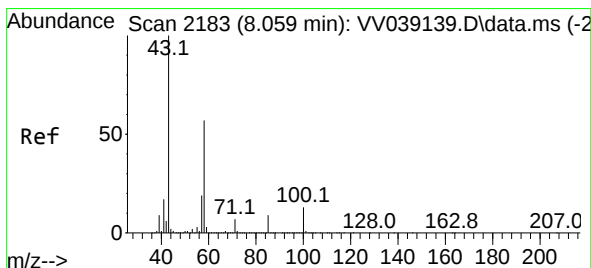
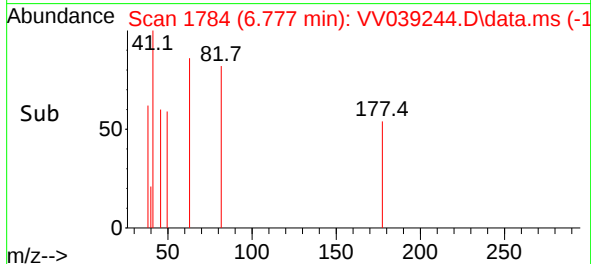
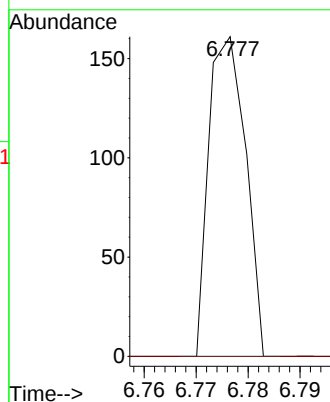
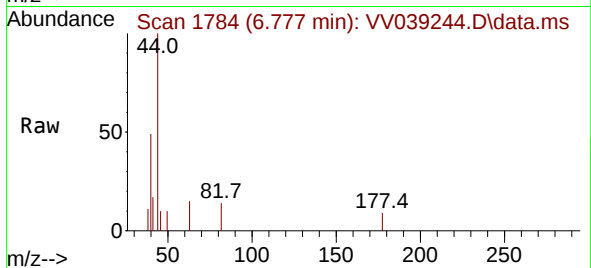




#58
2-Chloroethyl Vinyl ether
Concen: 9.636 ug/l
RT: 6.777 min Scan# 11
Delta R.T. -0.032 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

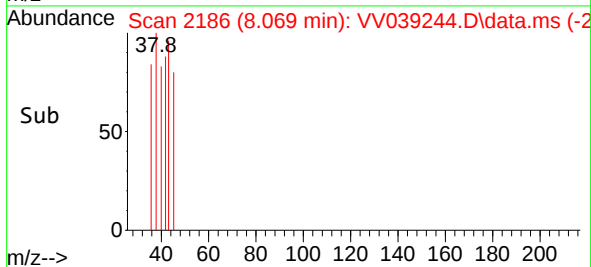
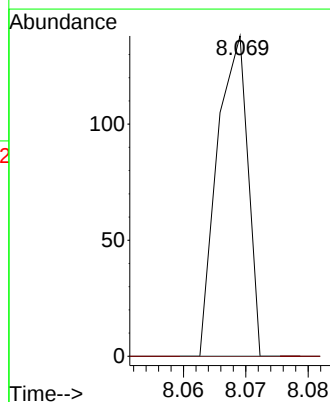
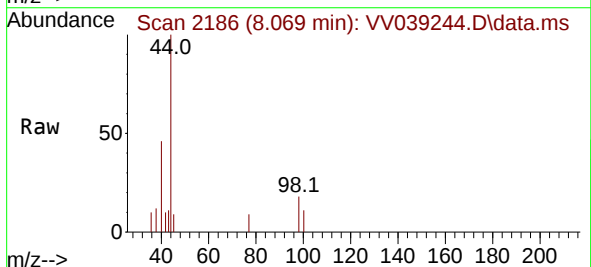
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

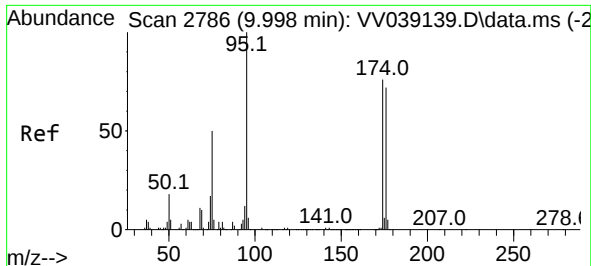
Tgt Ion: 63 Resp: 79
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 2.331 ug/l
RT: 8.069 min Scan# 2186
Delta R.T. 0.010 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#

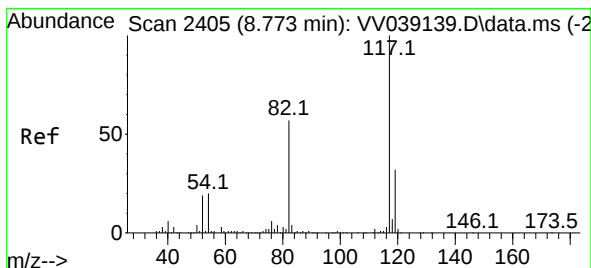
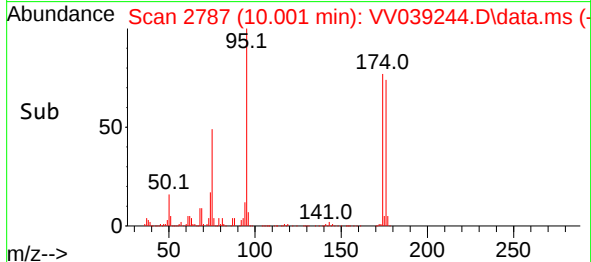
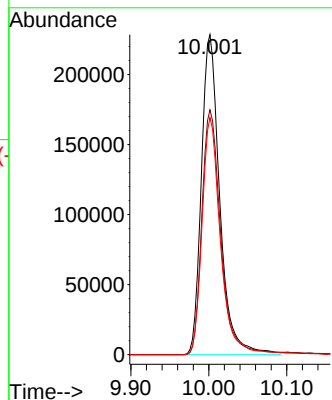
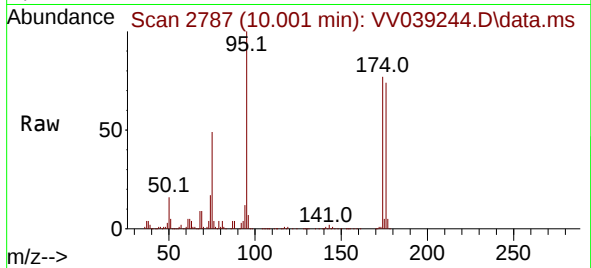




#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

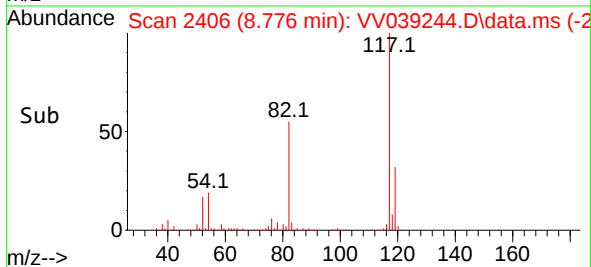
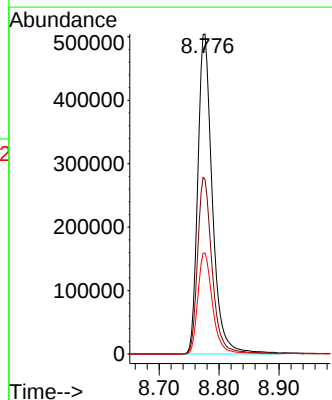
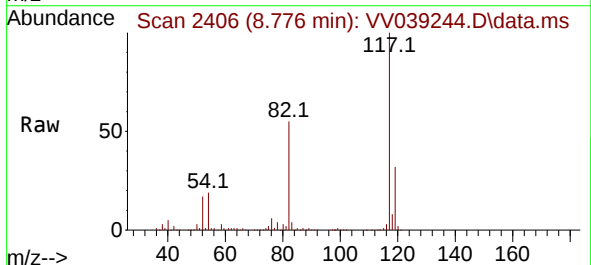
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

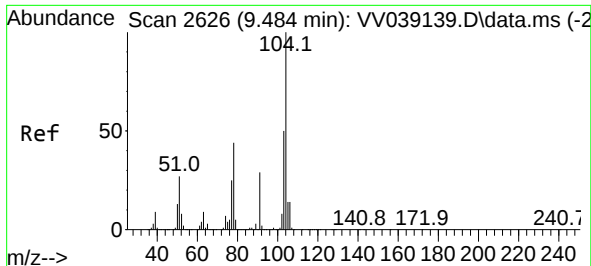
Tgt Ion: 95 Resp: 374884
Ion Ratio Lower Upper
95 100
174 79.2 0.0 150.4
176 74.2 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion: 117 Resp: 854306
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.2
119 31.6 25.6 38.4

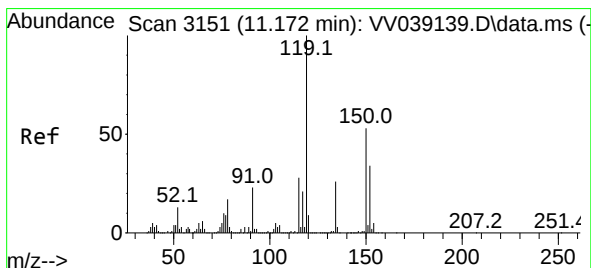
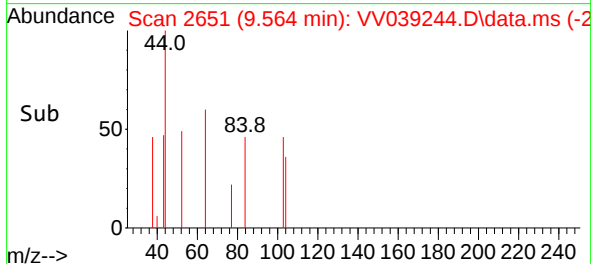
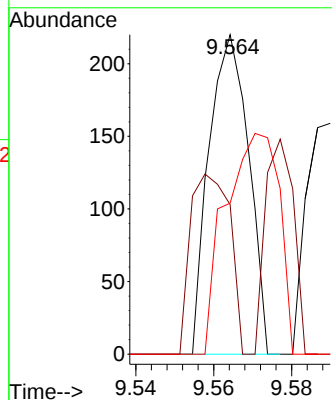
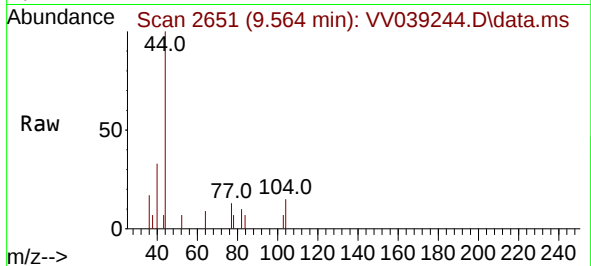




#70
Styrene
Concen: 1.567 ug/l
RT: 9.564 min Scan# 2651
Delta R.T. 0.080 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

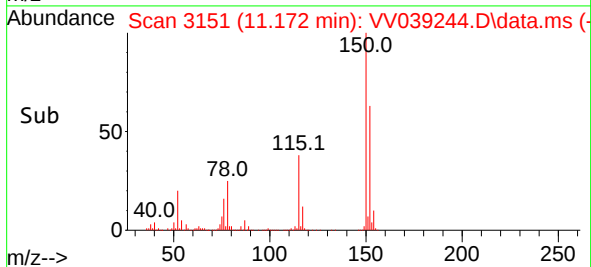
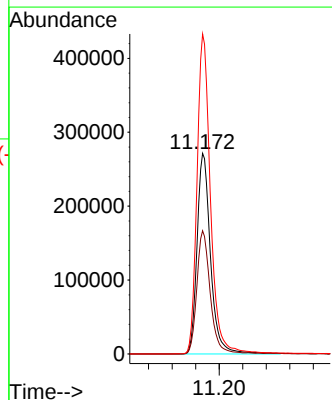
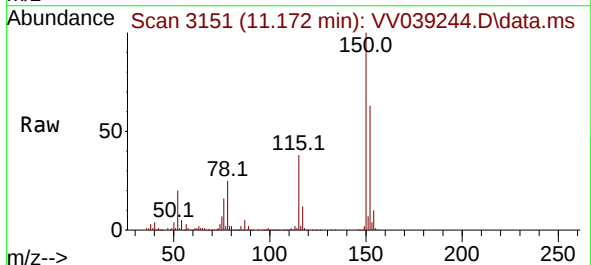
Instrument :
MSVOA_V
ClientSampleId :
VV1003WBL01

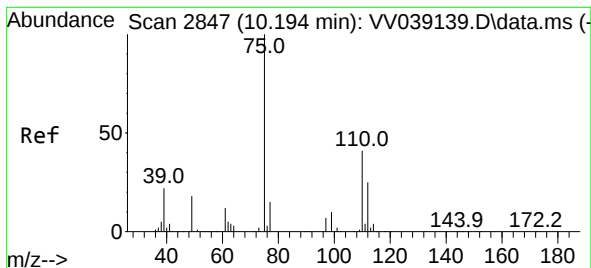
Tgt Ion:104 Resp: 155
Ion Ratio Lower Upper
104 100
78 48.4 39.8 59.6
103 93.5 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039244.D
Acq: 03 Oct 2025 11:26

Tgt Ion:152 Resp: 433083
Ion Ratio Lower Upper
152 100
115 60.6 44.8 134.4
150 159.3 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 18.444 ug/l

RT: 10.001 min Scan# 21

Delta R.T. -0.193 min

Lab File: VV039244.D

Acq: 03 Oct 2025 11:26

Instrument :

MSVOA_V

ClientSampleId :

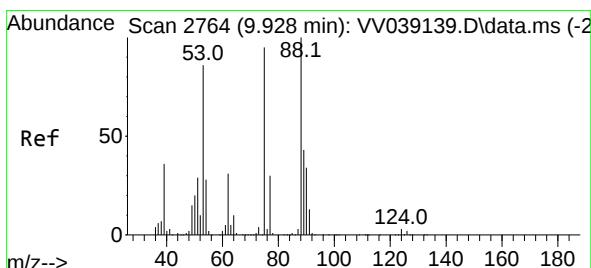
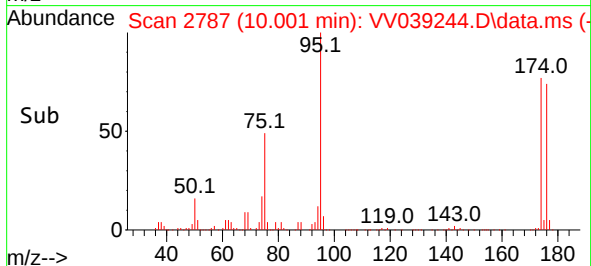
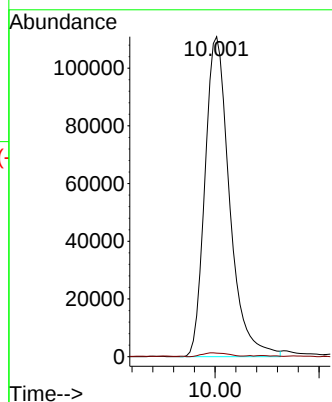
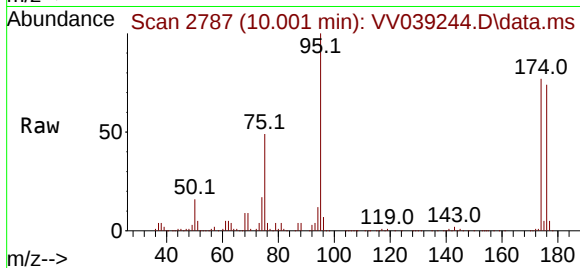
VV1003WBL01

Tgt Ion: 75 Resp: 181869

Ion Ratio Lower Upper

75 100

77 1.3 11.3 33.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 44.278 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.074 min

Lab File: VV039244.D

Acq: 03 Oct 2025 11:26

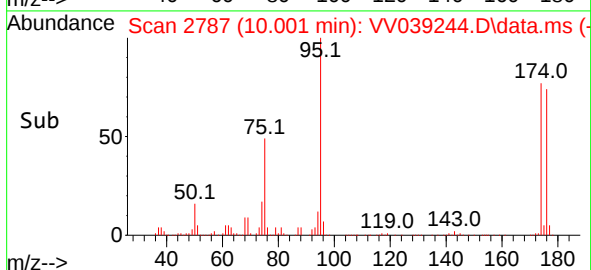
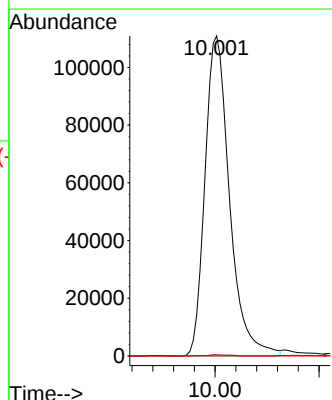
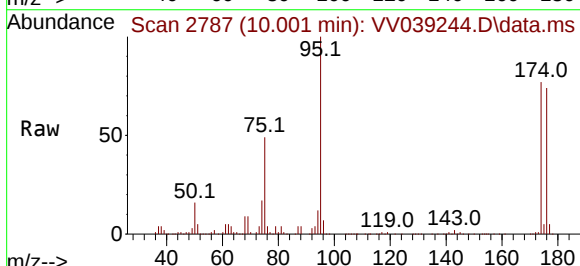
Tgt Ion: 75 Resp: 181869

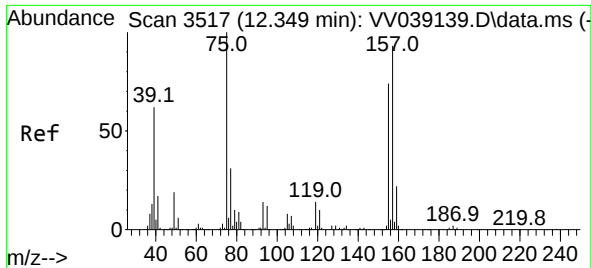
Ion Ratio Lower Upper

75 100

53 0.4 72.5 108.7#

89 0.0 37.2 55.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 12.384 min Scan# 31
 Delta R.T. 0.035 min
 Lab File: VV039244.D
 Acq: 03 Oct 2025 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1003WBL01

Tgt Ion: 75 Resp: 43
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.6 115.8#
 157 0.0 49.5 148.3#

