

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039203.D
 Acq On : 26 Sep 2025 11:36
 Operator : SY/MD
 Sample : Q3195-24
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EB-02-092225

Quant Time: Sep 27 02:52:47 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	509169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	912297	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	888919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	432706	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	402670	54.642	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 109.280%	
35) Dibromofluoromethane	4.503	113	372970	50.854	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 101.700%	
50) Toluene-d8	7.236	98	984633	45.711	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 91.420%	
62) 4-Bromofluorobenzene	10.002	95	394970	44.541	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 89.080%	

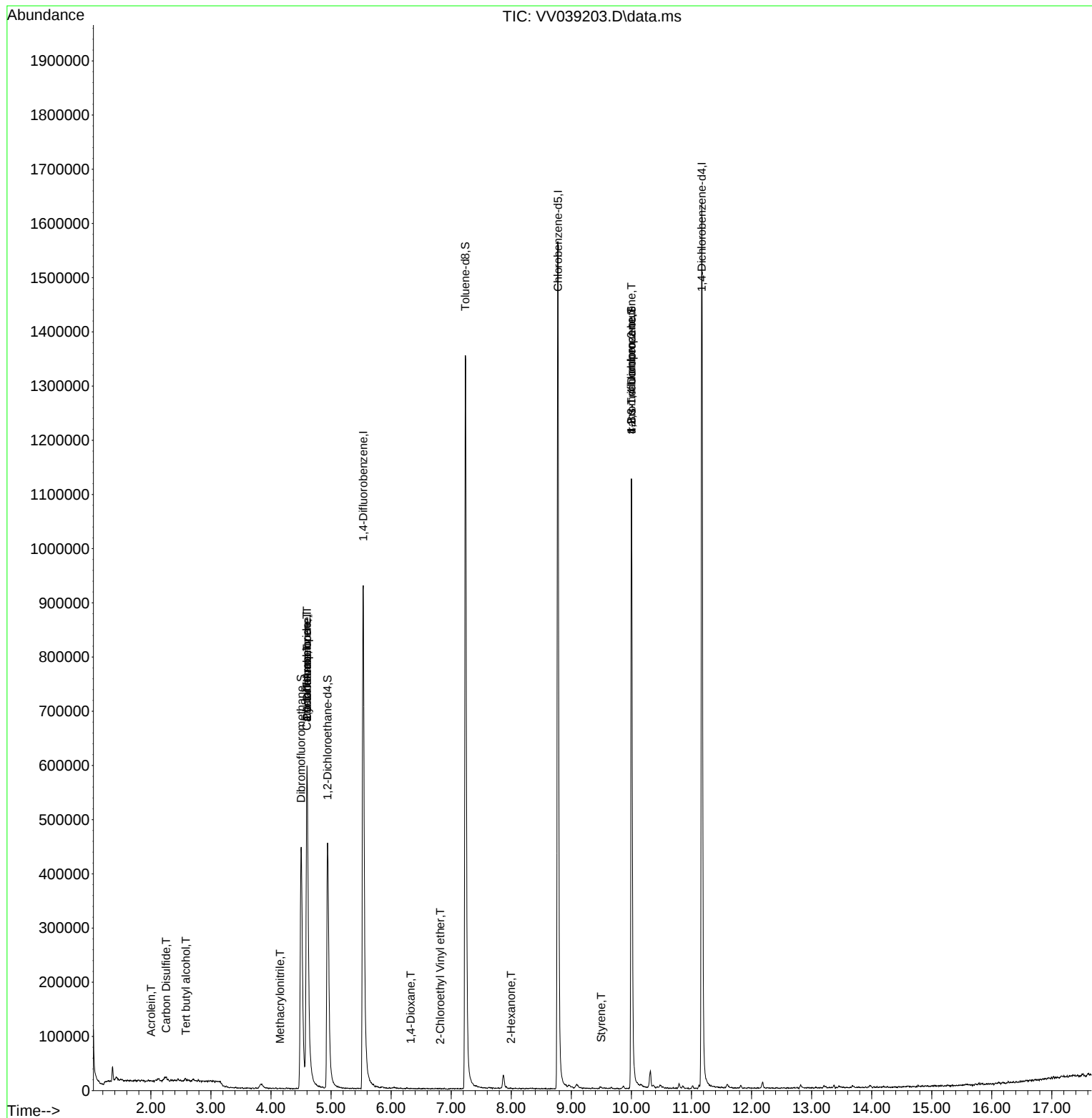
Target Compounds			Qvalue			
6) Chloroethane	1.561	64	356	Below Cal	#	44
11) Tert butyl alcohol	2.584	59	1150	0.738	ug/l #	88
13) Acrolein	2.005	56	206	0.762	ug/l #	69
16) Acetone	2.127	43	6766	Below Cal		96
17) Carbon Disulfide	2.253	76	6085	0.259	ug/l	100
20) Methylene Chloride	2.452	84	1844	Below Cal	#	83
31) Cyclohexane	4.600	56	11192	0.852	ug/l #	7
36) 1,1-Dichloropropene	4.600	75	42618	3.843	ug/l #	49
38) Carbon Tetrachloride	4.597	117	54529	4.024	ug/l #	17
41) Methacrylonitrile	4.150	41	159	1.936	ug/l #	20
49) 1,4-Dioxane	6.326	88	79	0.589	ug/l #	40
58) 2-Chloroethyl Vinyl ether	6.818	63	185	9.651	ug/l #	47
59) 2-Hexanone	7.995	43	188	2.345	ug/l	94
70) Styrene	9.497	104	90	1.565	ug/l #	1
76) 1,2,3-Trichloropropane	10.002	75	193448	19.635	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.002	75	193448	47.138	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.336	75	69	Below Cal	#	5

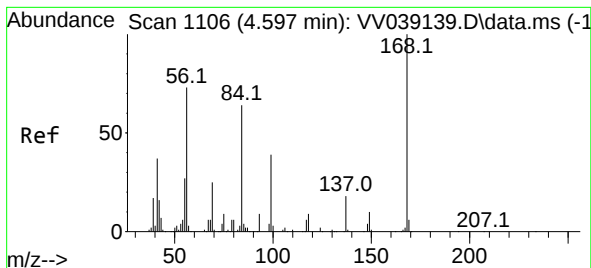
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

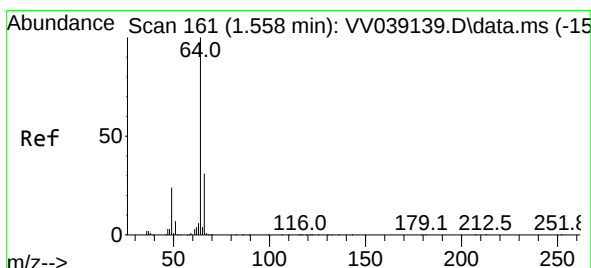
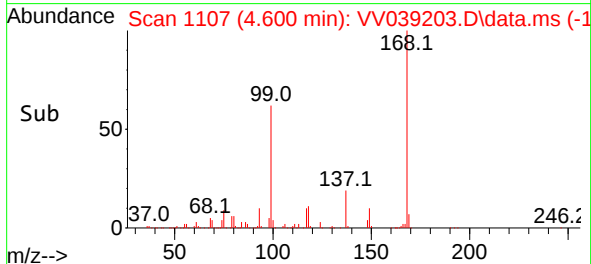
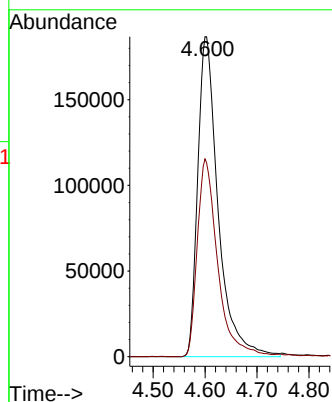
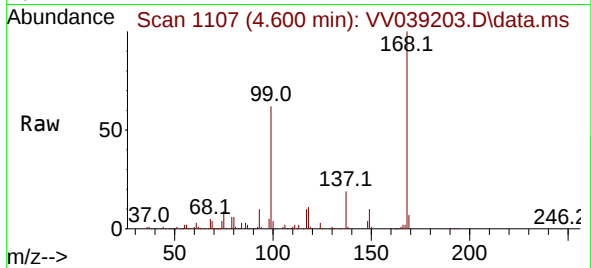




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

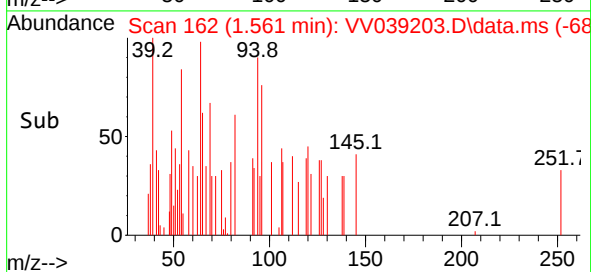
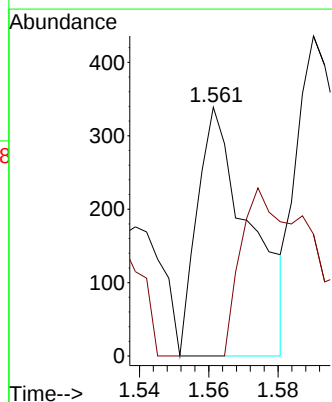
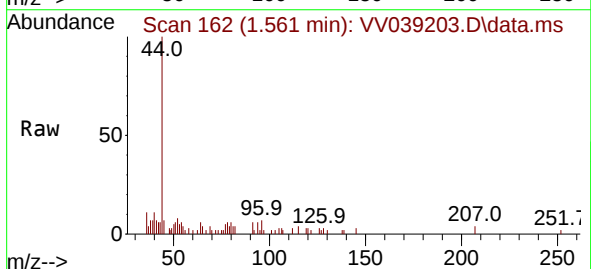
Instrument :
MSVOA_V
ClientSampleId :
EB-02-092225

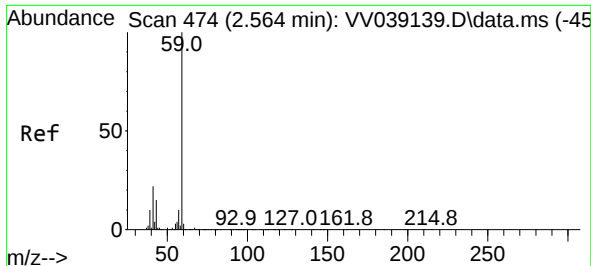
Tgt Ion:168 Resp: 509169
Ion Ratio Lower Upper
168 100
99 61.8 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

Tgt Ion: 64 Resp: 356
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#11

Tert butyl alcohol

Concen: 0.738 ug/l

RT: 2.584 min Scan# 41

Delta R.T. 0.019 min

Lab File: VV039203.D

Acq: 26 Sep 2025 11:36

Instrument :

MSVOA_V

ClientSampleId :

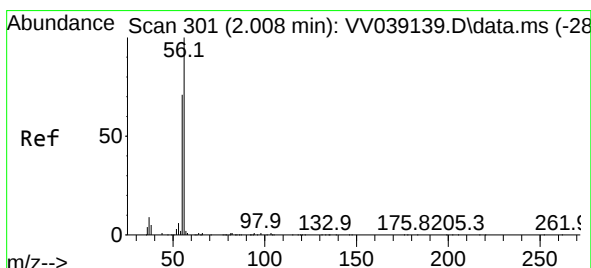
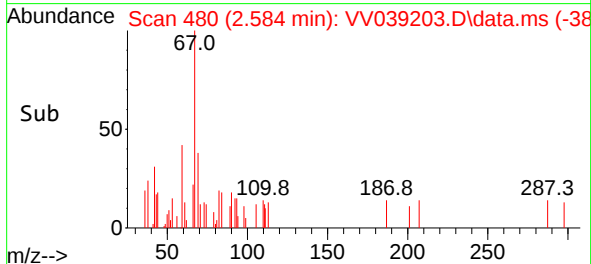
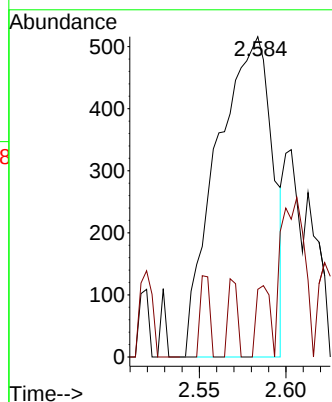
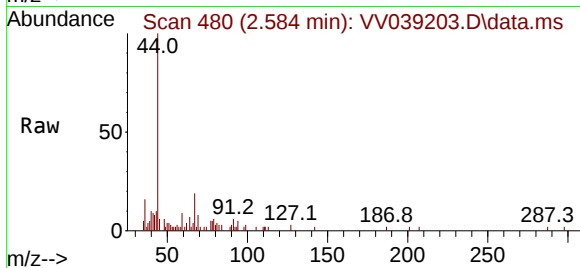
EB-02-092225

Tgt Ion: 59 Resp: 1150

Ion Ratio Lower Upper

59 100

57 5.5 7.8 11.8#



#13

Acrolein

Concen: 0.762 ug/l

RT: 2.005 min Scan# 300

Delta R.T. -0.003 min

Lab File: VV039203.D

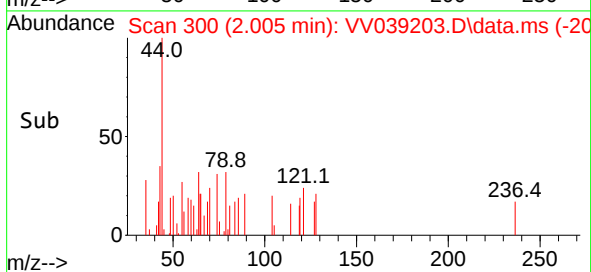
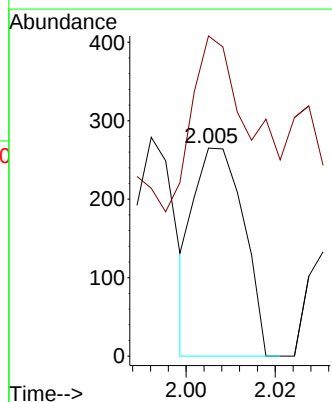
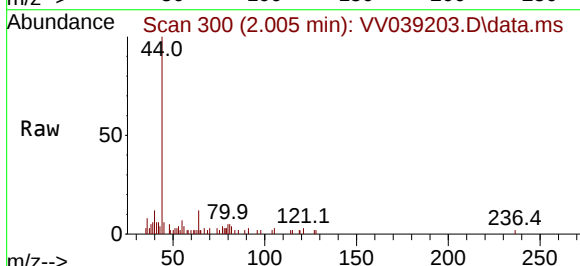
Acq: 26 Sep 2025 11:36

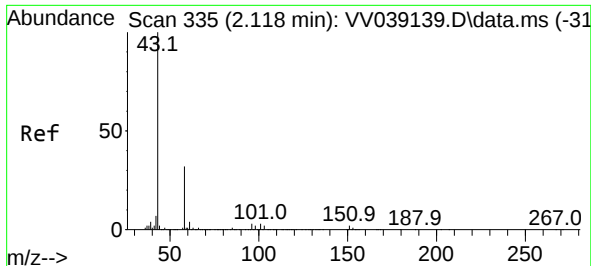
Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

56 100

55 96.1 56.2 84.4#

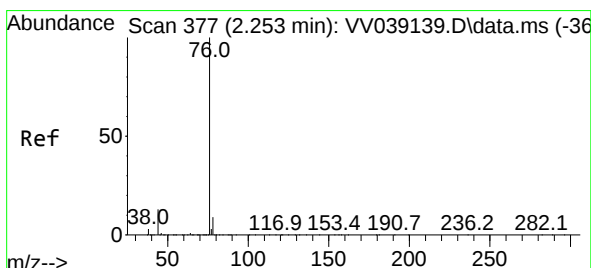
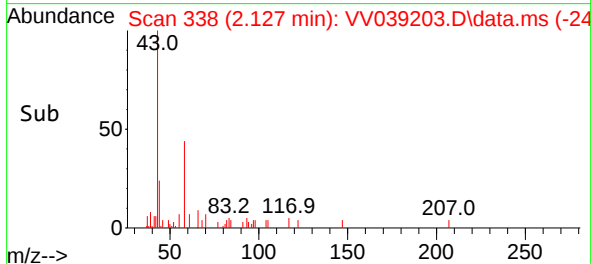
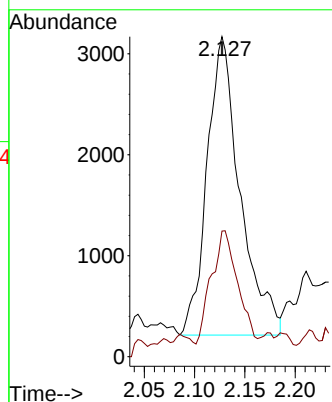
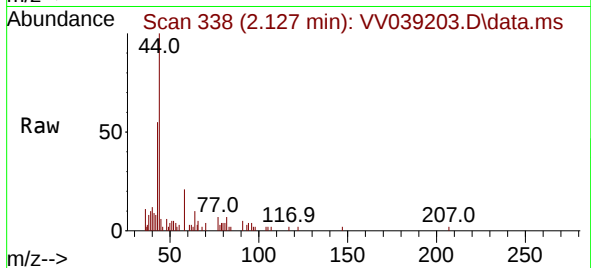




#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 31
Delta R.T. 0.009 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

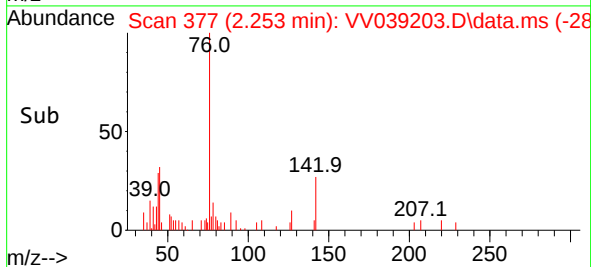
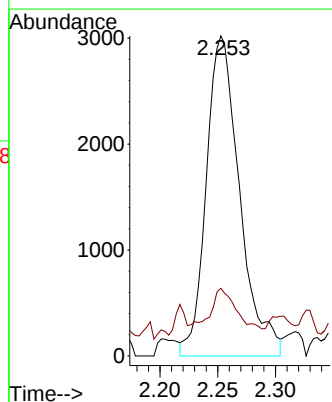
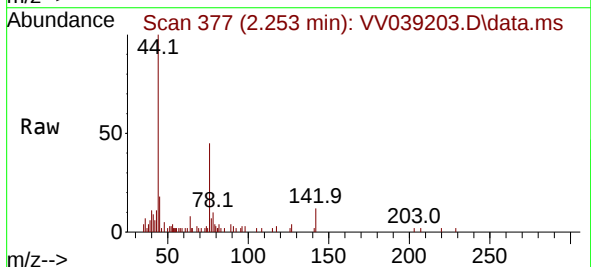
Instrument :
MSVOA_V
ClientSampleId :
EB-02-092225

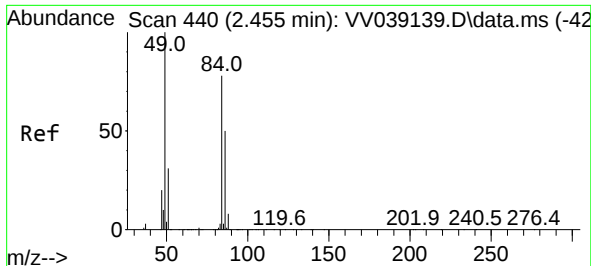
Tgt Ion: 43 Resp: 6766
Ion Ratio Lower Upper
43 100
58 34.5 25.8 38.6



#17
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.253 min Scan# 377
Delta R.T. 0.000 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

Tgt Ion: 76 Resp: 6085
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

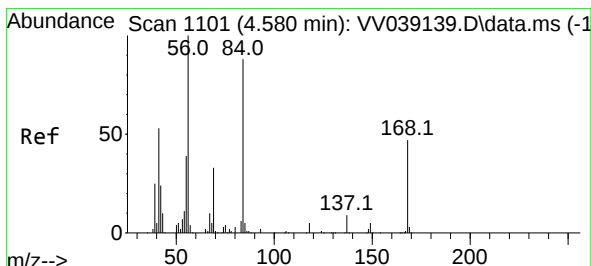
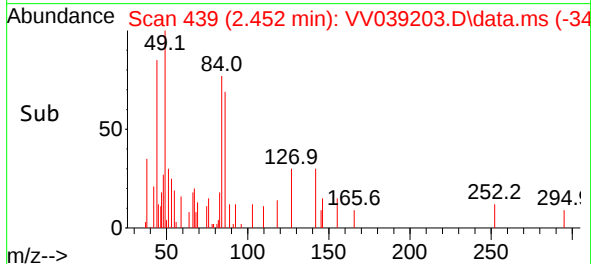
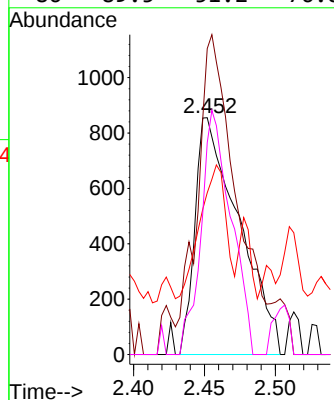
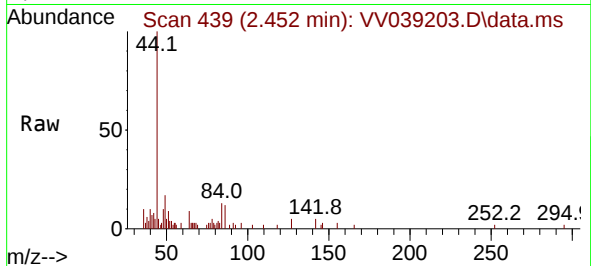




#20
Methylene Chloride
Concen: Below Cal
RT: 2.452 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

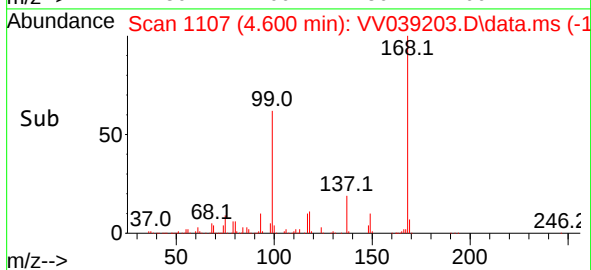
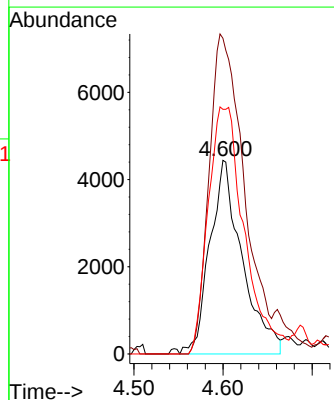
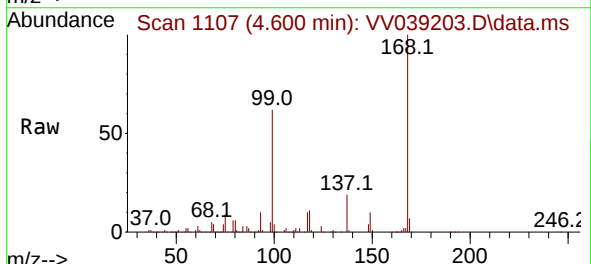
Instrument :
MSVOA_V
ClientSampleId :
EB-02-092225

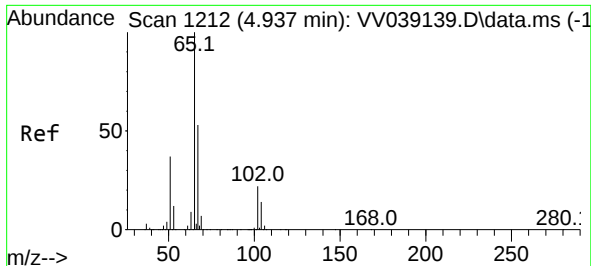
Tgt Ion: 84 Resp: 1844
Ion Ratio Lower Upper
84 100
49 113.6 102.8 154.2
51 43.6 31.9 47.9
86 89.5 51.2 76.8#



#31
Cyclohexane
Concen: 0.852 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.019 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

Tgt Ion: 56 Resp: 11192
Ion Ratio Lower Upper
56 100
69 163.1 26.2 39.2#
84 126.4 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 54.642 ug/l

RT: 4.941 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039203.D

Acq: 26 Sep 2025 11:36

Instrument :

MSVOA_V

ClientSampleId :

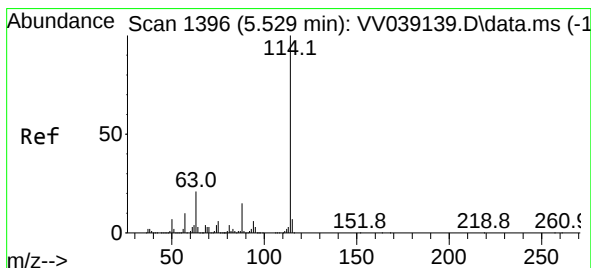
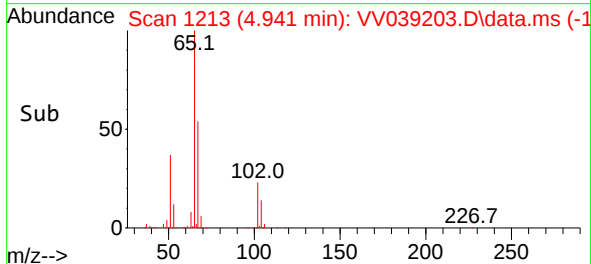
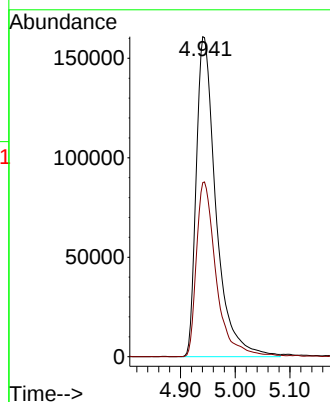
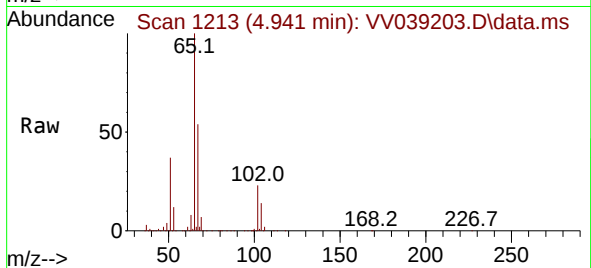
EB-02-092225

Tgt Ion: 65 Resp: 402670

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039203.D

Acq: 26 Sep 2025 11:36

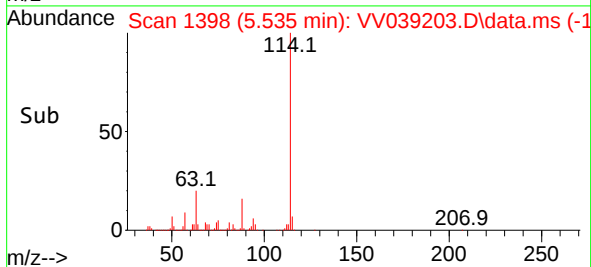
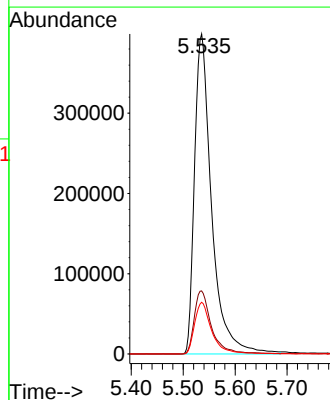
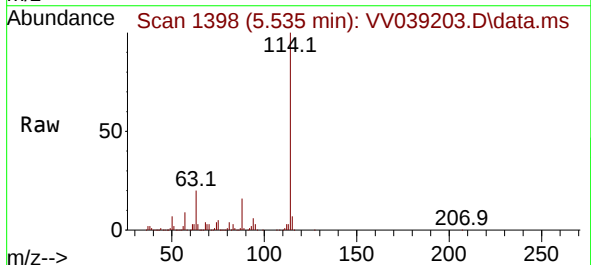
Tgt Ion: 114 Resp: 912297

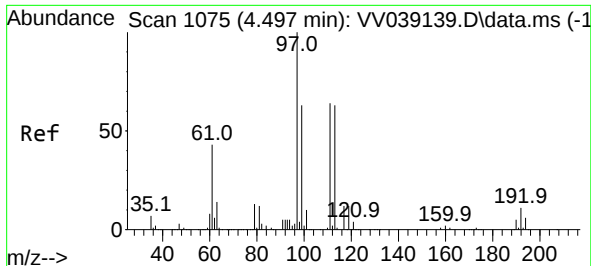
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 16.1 0.0 30.8

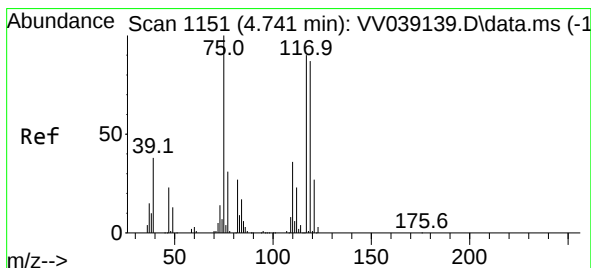
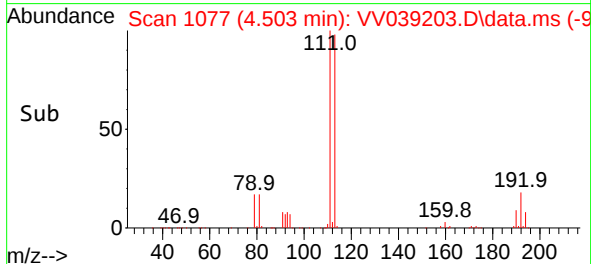
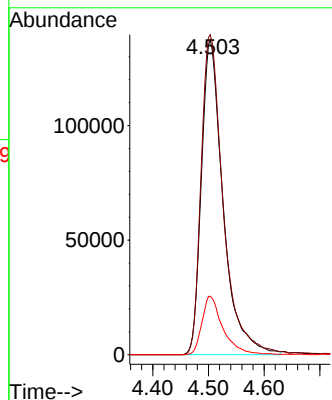
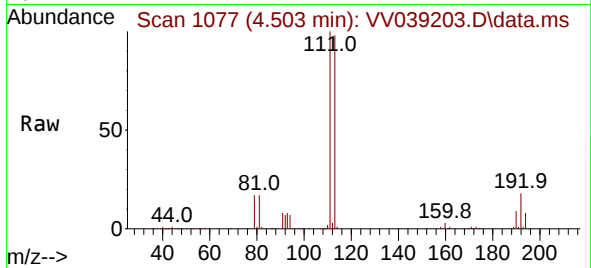




#35
Dibromofluoromethane
Concen: 50.854 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

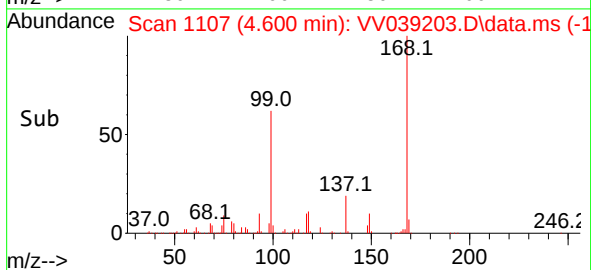
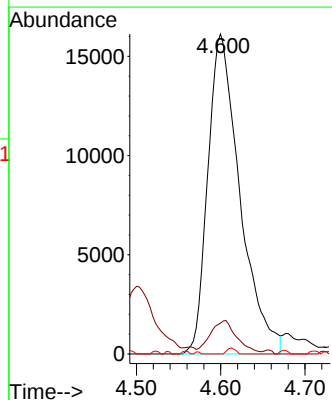
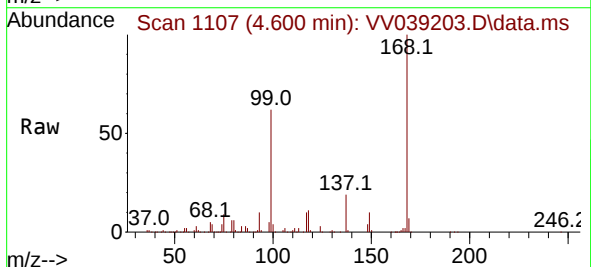
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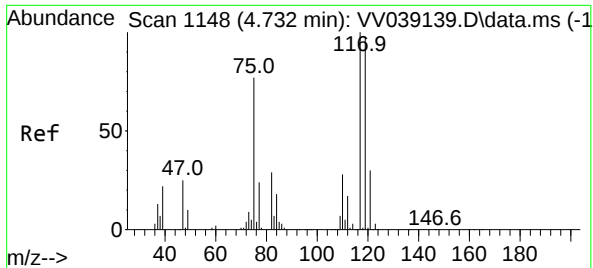
Tgt Ion:113 Resp: 372970
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 17.8 13.8 20.8



#36
1,1-Dichloropropene
Concen: 3.843 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

Tgt Ion: 75 Resp: 42618
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.1#
77 0.5 24.8 37.2#

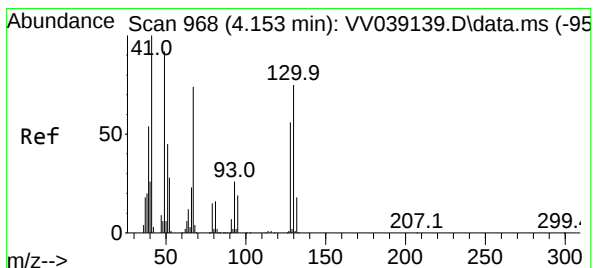
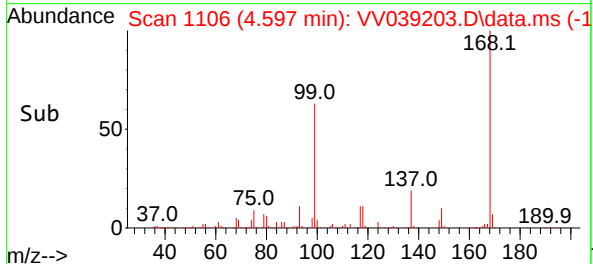
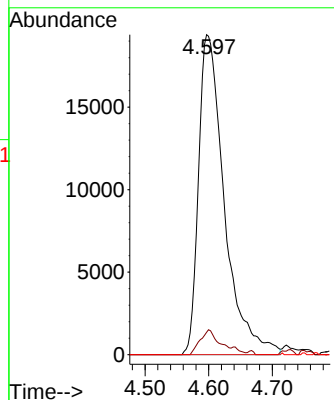
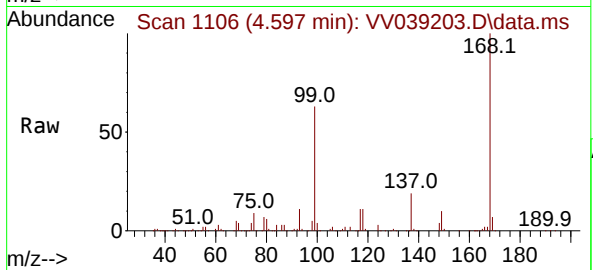




#38
Carbon Tetrachloride
Concen: 4.024 ug/l
RT: 4.597 min Scan# 1148
Delta R.T. -0.135 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

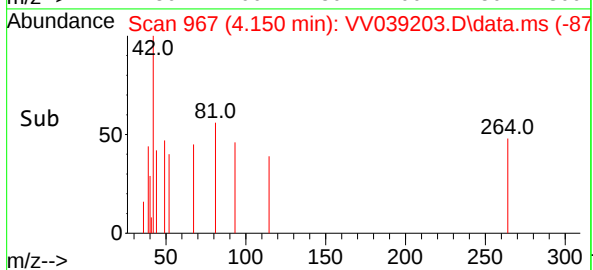
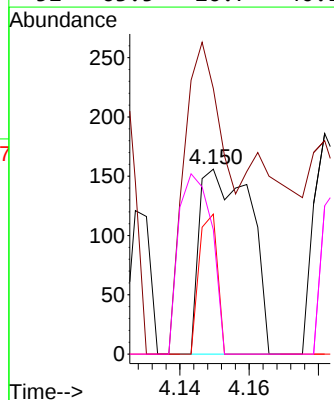
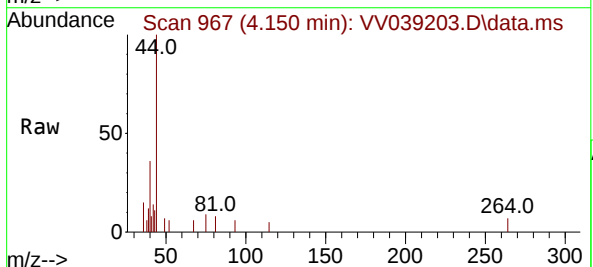
Instrument :
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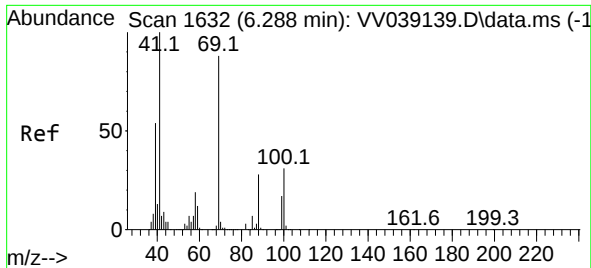
Tgt Ion:117 Resp: 54529
Ion Ratio Lower Upper
117 100
119 7.0 77.2 115.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.936 ug/l
RT: 4.150 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

Tgt Ion: 41 Resp: 159
Ion Ratio Lower Upper
41 100
39 139.6 42.2 63.2#
67 27.0 67.9 101.9#
52 63.5 26.7 40.1#





#49

1,4-Dioxane

Concen: 0.589 ug/l

RT: 6.326 min Scan# 1

Delta R.T. 0.039 min

Lab File: VV039203.D

Acq: 26 Sep 2025 11:36

Instrument :

MSVOA_V

ClientSampleId :

EB-02-092225

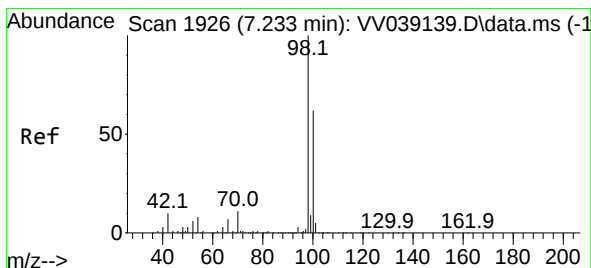
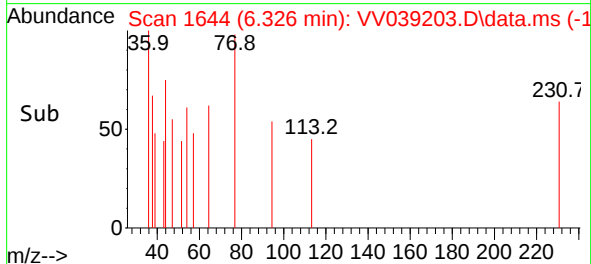
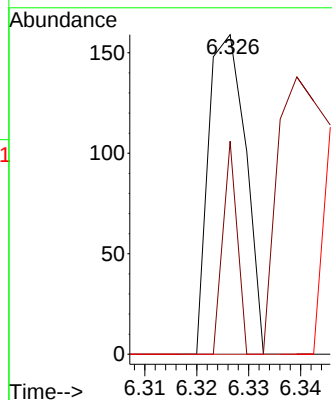
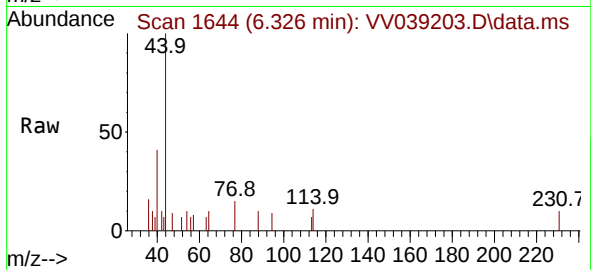
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 25.3 25.1 37.7

58 0.0 53.6 80.4#



#50

Toluene-d8

Concen: 45.711 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039203.D

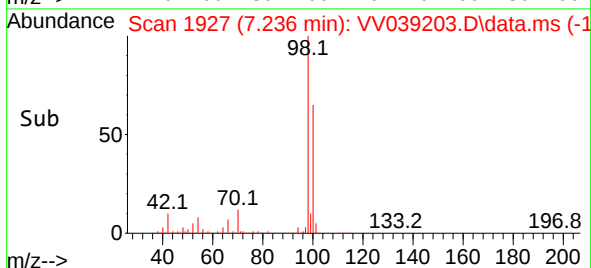
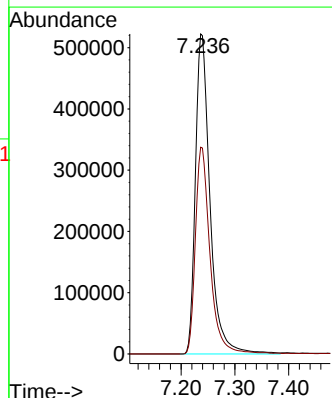
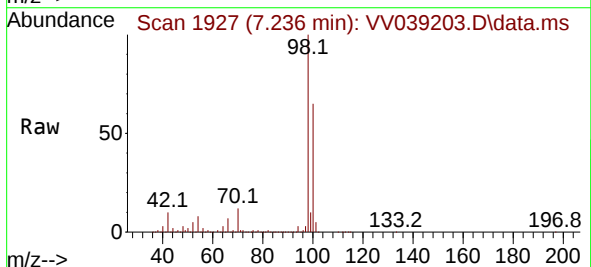
Acq: 26 Sep 2025 11:36

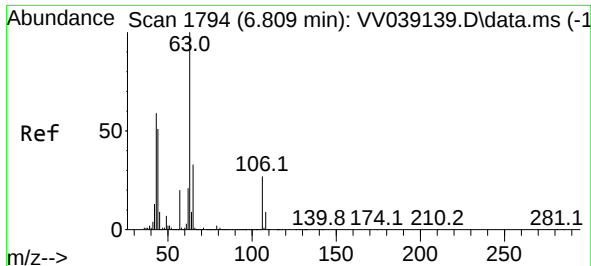
Tgt Ion: 98 Resp: 984633

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2

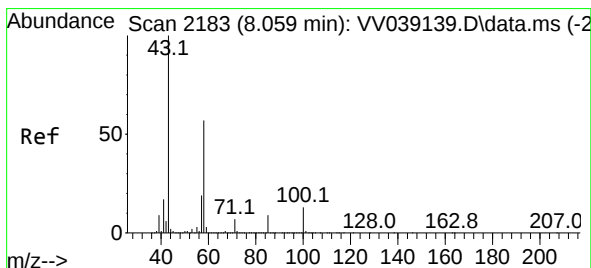
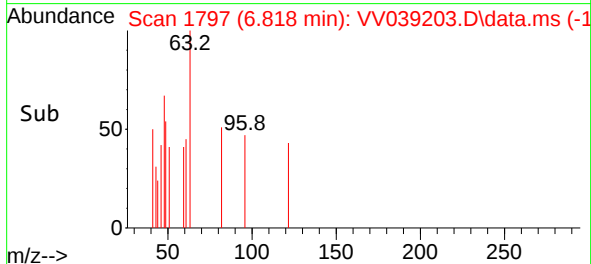
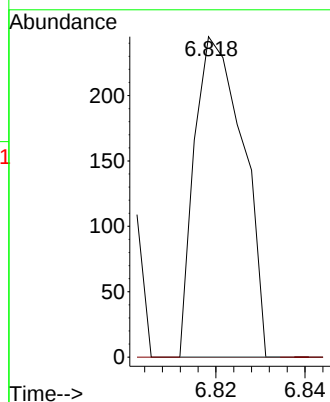
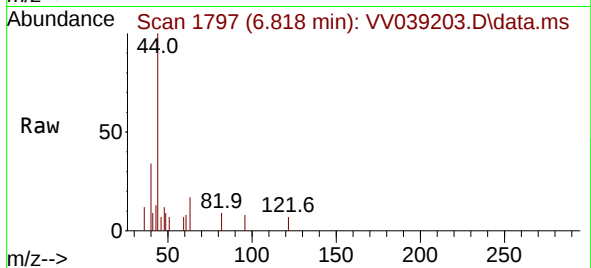




#58
2-Chloroethyl Vinyl ether
Concen: 9.651 ug/l
RT: 6.818 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

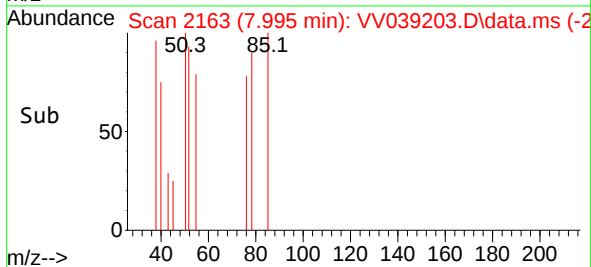
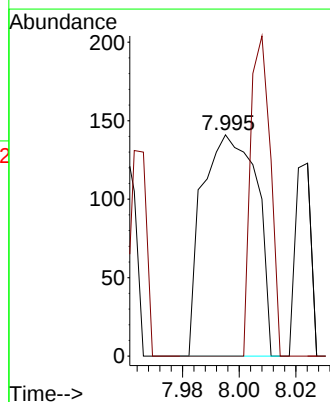
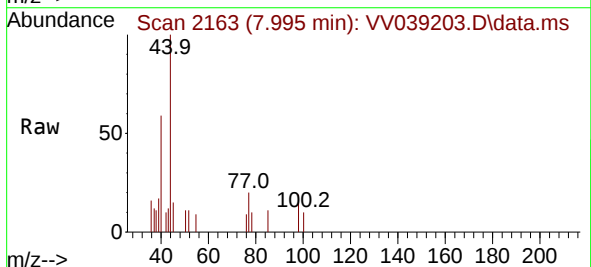
Instrument :
MSVOA_V
ClientSampleId :
EB-02-092225

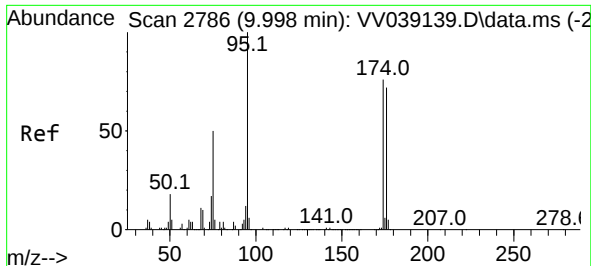
Tgt Ion: 63 Resp: 185
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 2.345 ug/l
RT: 7.995 min Scan# 2163
Delta R.T. -0.064 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 52.1 28.3 85.0

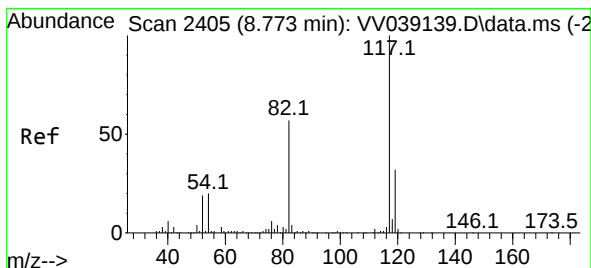
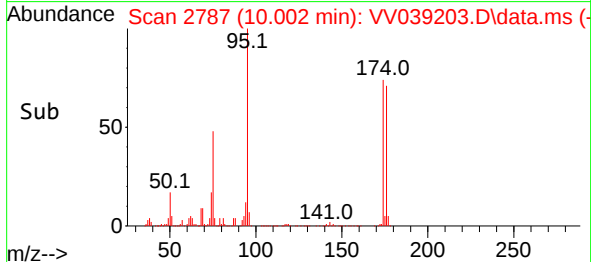
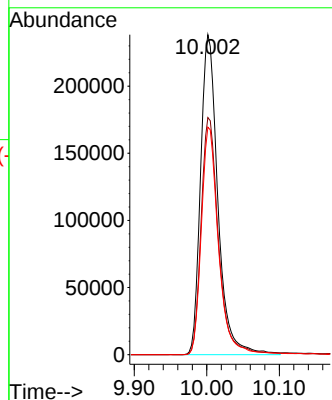
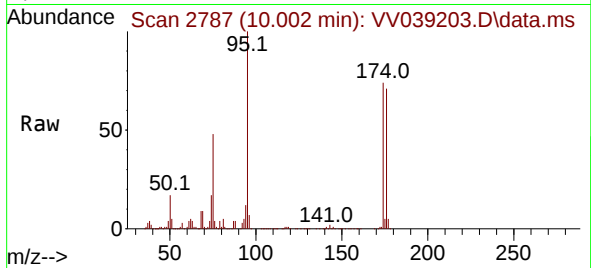




#62
4-Bromofluorobenzene
Concen: 44.541 ug/l
RT: 10.002 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

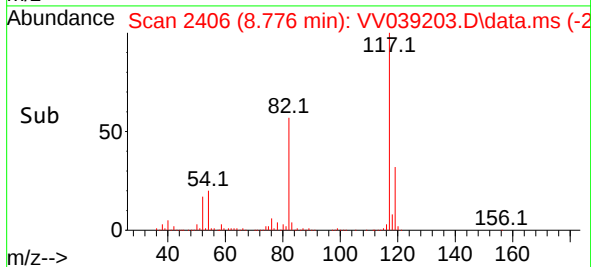
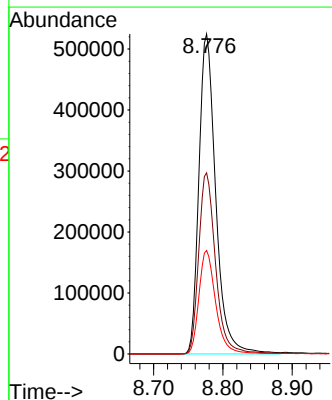
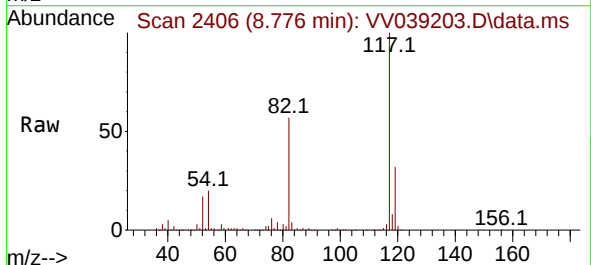
Instrument :
MSVOA_V
ClientSampleId :
EB-02-092225

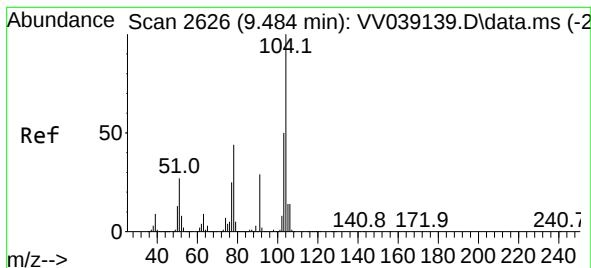
Tgt Ion: 95 Resp: 394970
Ion Ratio Lower Upper
95 100
174 74.3 0.0 150.4
176 70.5 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039203.D
Acq: 26 Sep 2025 11:36

Tgt Ion: 117 Resp: 888919
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.2
119 32.4 25.6 38.4





#70

Styrene

Concen: 1.565 ug/l

RT: 9.497 min Scan# 2

Delta R.T. 0.013 min

Lab File: VV039203.D

Acq: 26 Sep 2025 11:36

Instrument :

MSVOA_V

ClientSampleId :

EB-02-092225

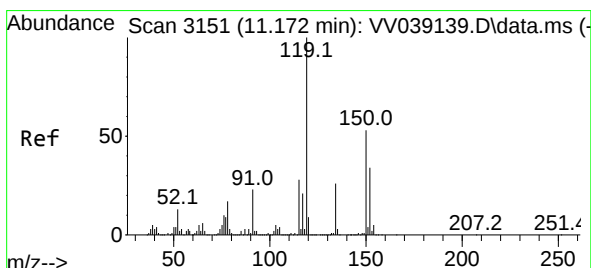
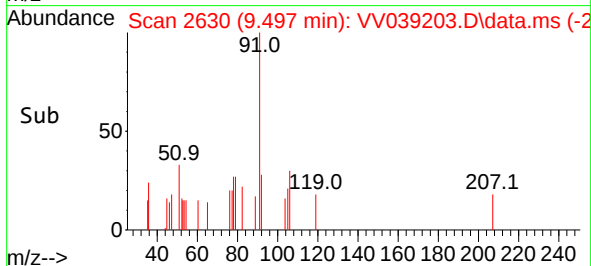
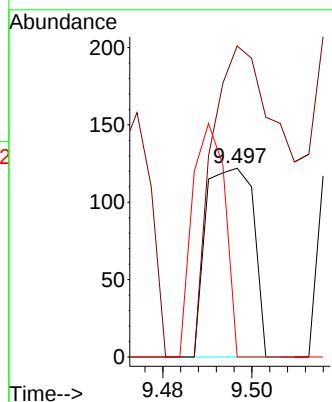
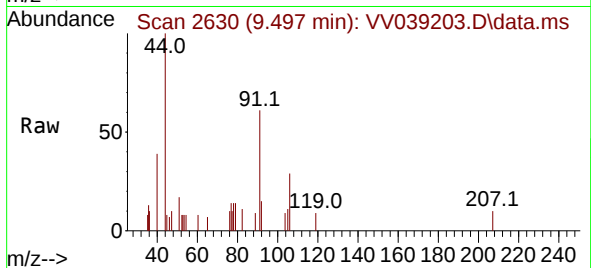
Tgt Ion:104 Resp: 90

Ion Ratio Lower Upper

104 100

78 243.3 39.8 59.6#

103 84.4 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: VV039203.D

Acq: 26 Sep 2025 11:36

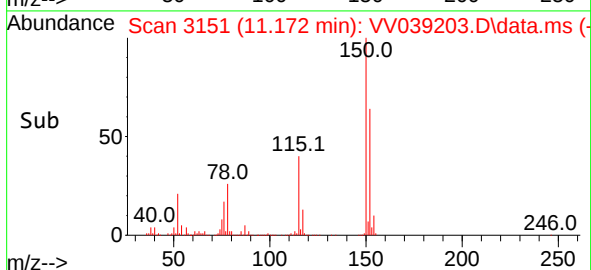
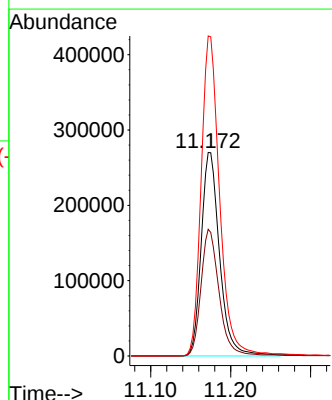
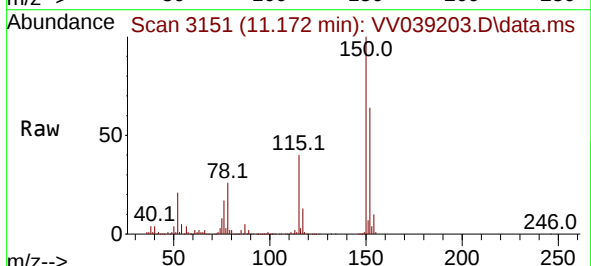
Tgt Ion:152 Resp: 432706

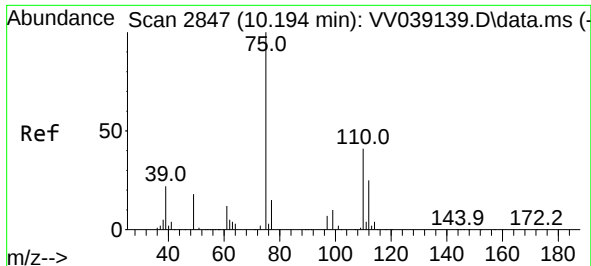
Ion Ratio Lower Upper

152 100

115 61.0 44.8 134.4

150 158.7 0.0 353.8

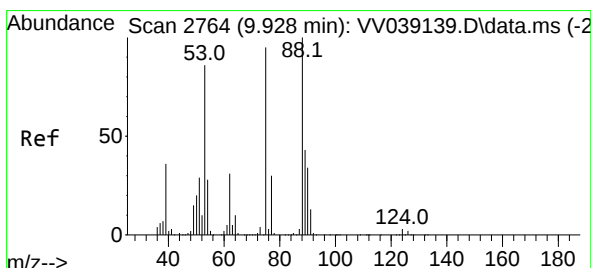
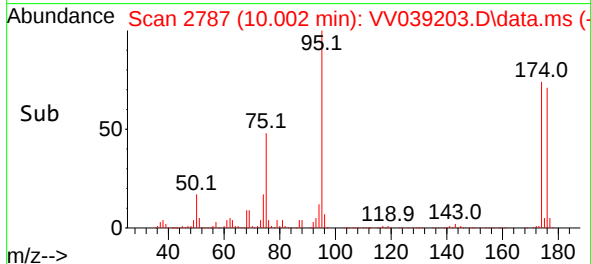
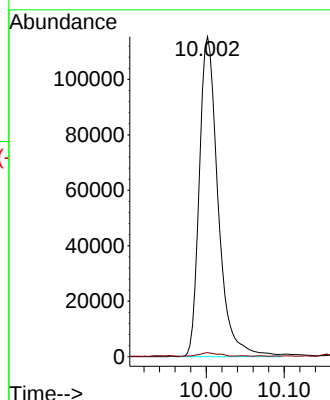
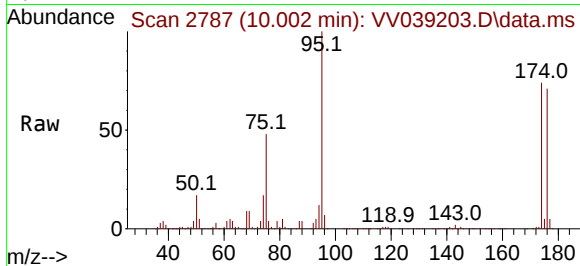




#76
 1,2,3-Trichloropropane
 Concen: 19.635 ug/l
 RT: 10.002 min Scan# 21
 Delta R.T. -0.193 min
 Lab File: VV039203.D
 Acq: 26 Sep 2025 11:36

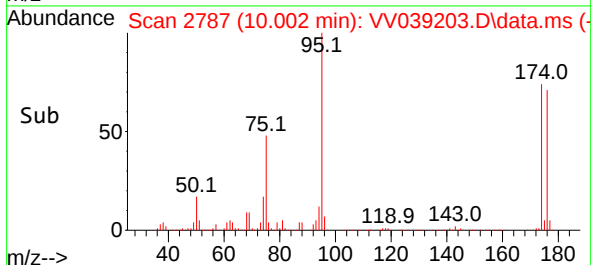
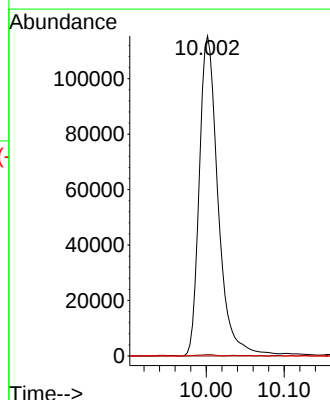
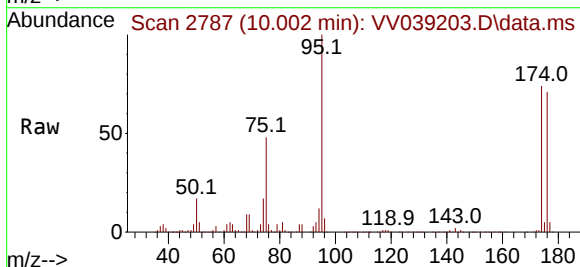
Instrument :
 MSVOA_V
 ClientSampleId :
 EB-02-092225

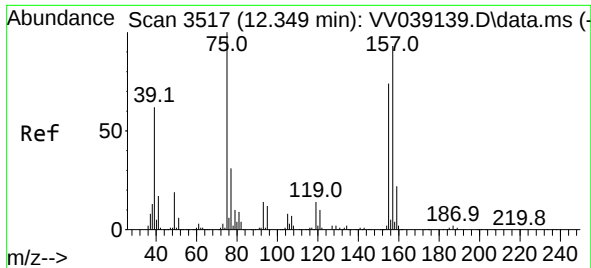
Tgt Ion: 75 Resp: 193448
 Ion Ratio Lower Upper
 75 100
 77 1.2 11.3 33.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.138 ug/l
 RT: 10.002 min Scan# 2787
 Delta R.T. 0.074 min
 Lab File: VV039203.D
 Acq: 26 Sep 2025 11:36

Tgt Ion: 75 Resp: 193448
 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: 12.336 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VV039203.D
 Acq: 26 Sep 2025 11:36

Instrument :
 MSVOA_V
 ClientSampleId :
 EB-02-092225

Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.6 115.8#
 157 0.0 49.5 148.3#

