

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039190.D
 Acq On : 25 Sep 2025 18:32
 Operator : SY/MD
 Sample : Q3195-26
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 26 01:36:24 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)

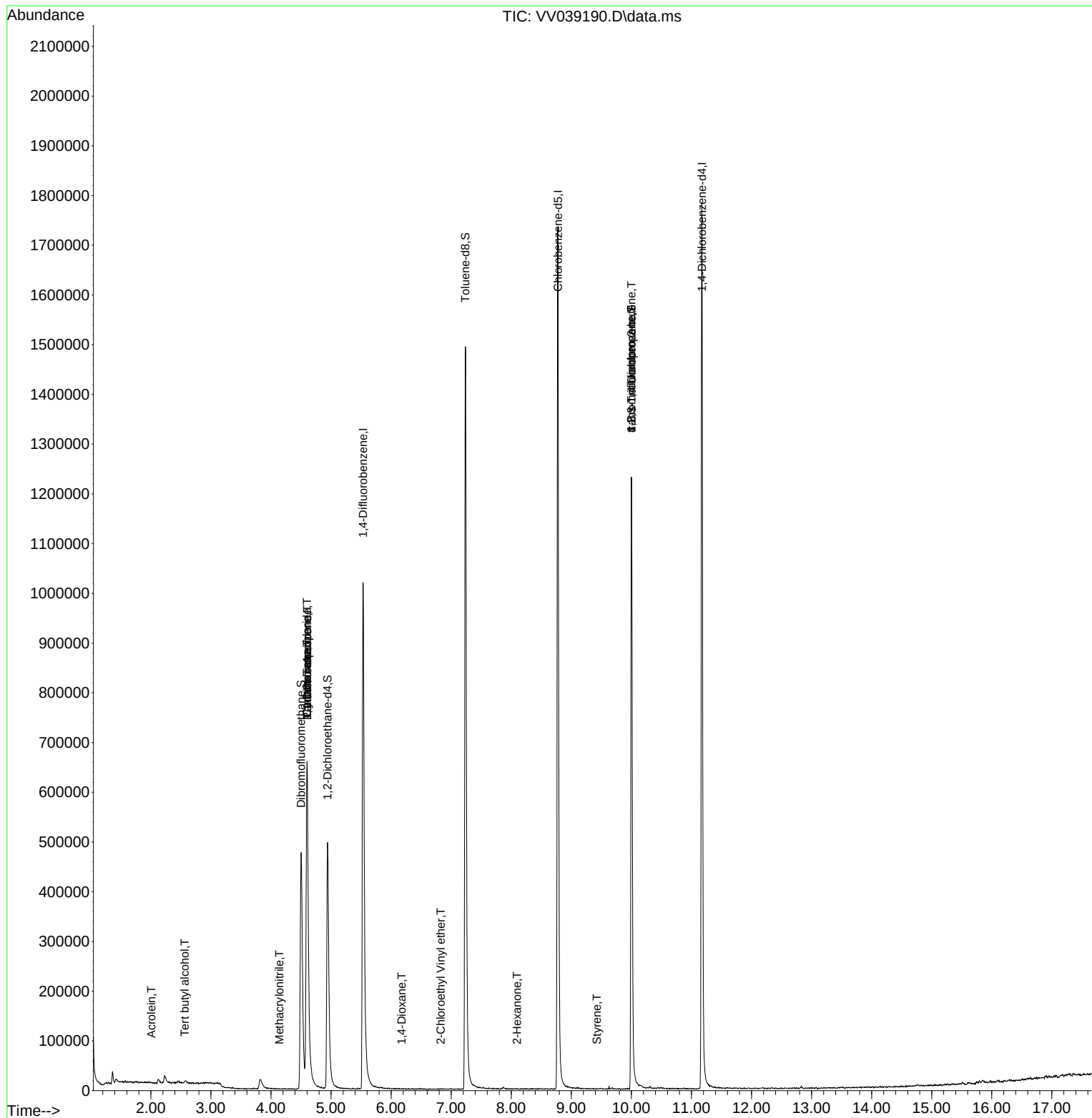
Internal Standards						
1) Pentafluorobenzene	4.603	168	557526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1004933	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	984426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	478455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	436755	54.127	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.260%			
35) Dibromofluoromethane	4.503	113	403467	49.941	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 99.880%			
50) Toluene-d8	7.236	98	1090916	45.977	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 91.960%			
62) 4-Bromofluorobenzene	10.001	95	429135	43.933	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 87.860%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.558	64	655	Below Cal	#	44
11) Tert butyl alcohol	2.564	59	867	0.508	ug/l #	73
13) Acrolein	2.008	56	142	0.480	ug/l	93
16) Acetone	2.127	43	10167	Below Cal	#	88
20) Methylene Chloride	2.462	84	1744	Below Cal	#	92
31) Cyclohexane	4.600	56	12787	0.888	ug/l #	1
36) 1,1-Dichloropropene	4.603	75	48729	3.989	ug/l #	50
38) Carbon Tetrachloride	4.600	117	59493	3.985	ug/l #	17
41) Methacrylonitrile	4.140	41	118	1.927	ug/l #	42
49) 1,4-Dioxane	6.175	88	42	0.284	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.825	63	43	9.629	ug/l #	47
59) 2-Hexanone	8.095	43	46	2.330	ug/l	82
70) Styrene	9.426	104	46	1.563	ug/l #	26
76) 1,2,3-Trichloropropane	10.001	75	212569	19.513	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	212569	46.845	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.339	75	51	Below Cal	#	5

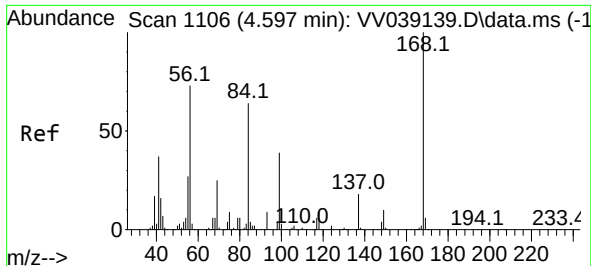
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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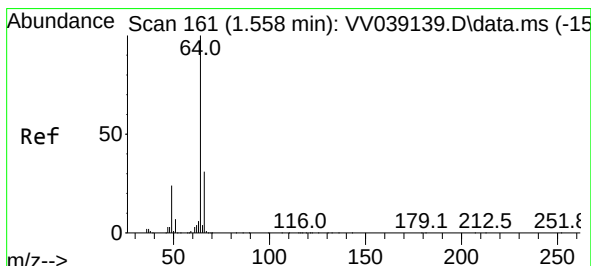
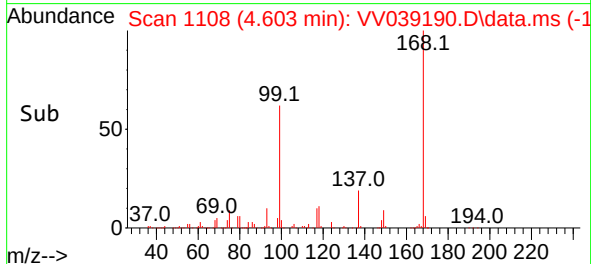
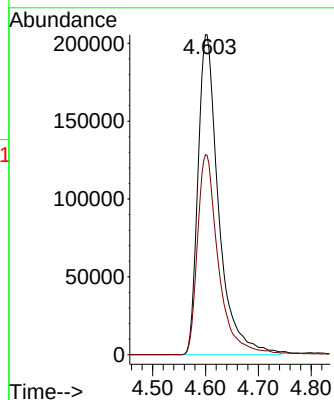
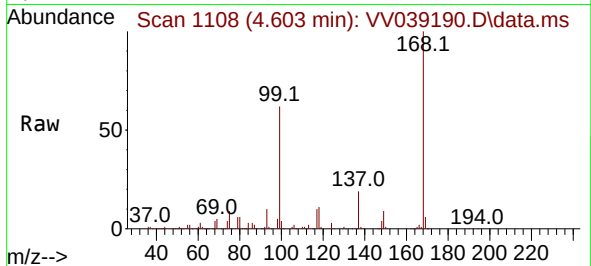




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

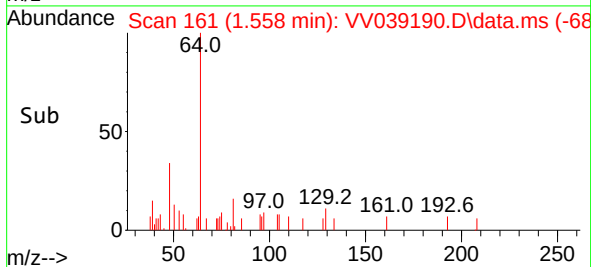
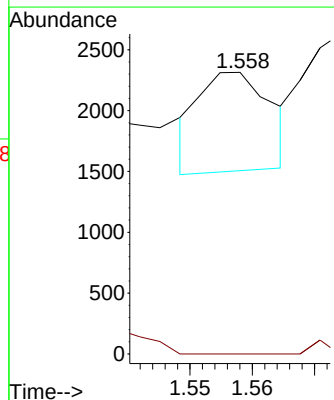
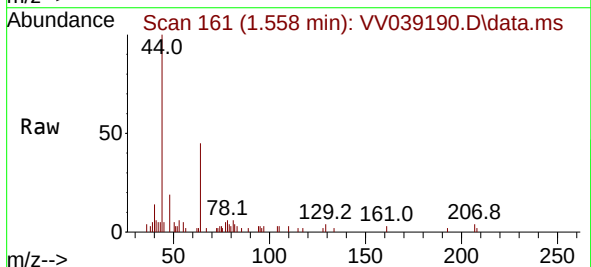
Instrument :
MSVOA_V
ClientSampleId :

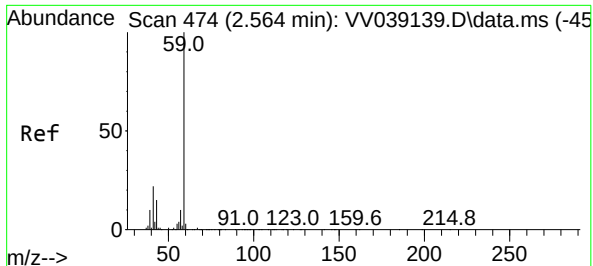
Tgt Ion:168 Resp: 557526
Ion Ratio Lower Upper
168 100
99 62.3 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Tgt Ion: 64 Resp: 655
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#11

Tert butyl alcohol

Concen: 0.508 ug/l

RT: 2.564 min Scan# 41

Delta R.T. -0.000 min

Lab File: VV039190.D

Acq: 25 Sep 2025 18:32

Instrument :

MSVOA_V

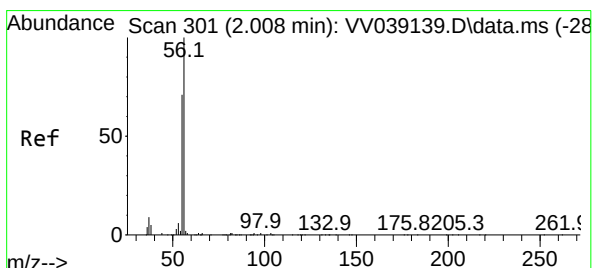
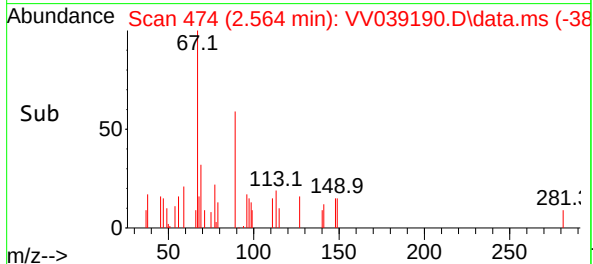
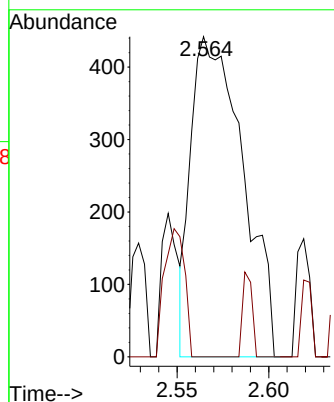
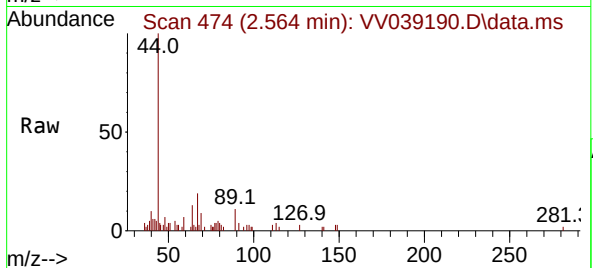
ClientSampleId :

Tgt Ion: 59 Resp: 867

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.480 ug/l

RT: 2.008 min Scan# 301

Delta R.T. -0.000 min

Lab File: VV039190.D

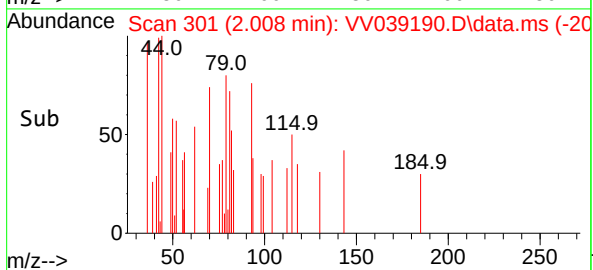
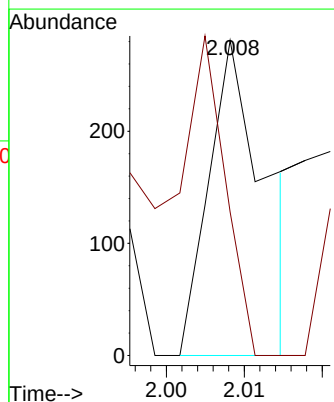
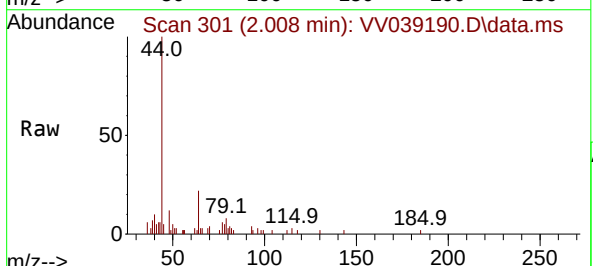
Acq: 25 Sep 2025 18:32

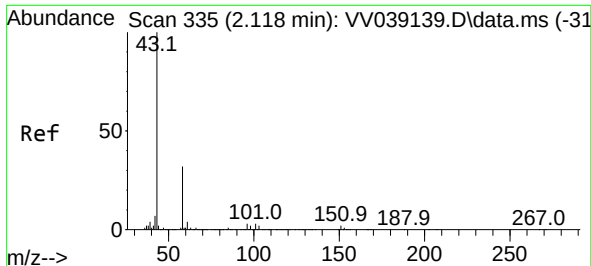
Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 76.1 56.2 84.4

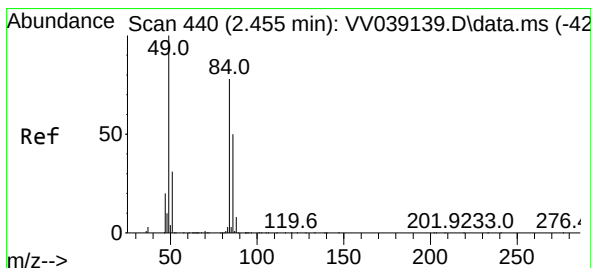
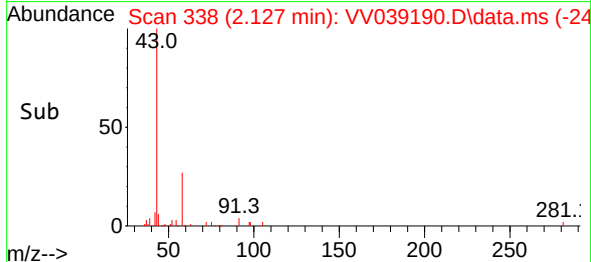
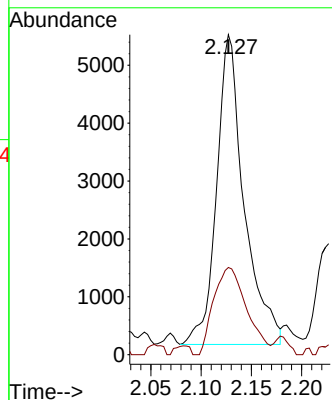
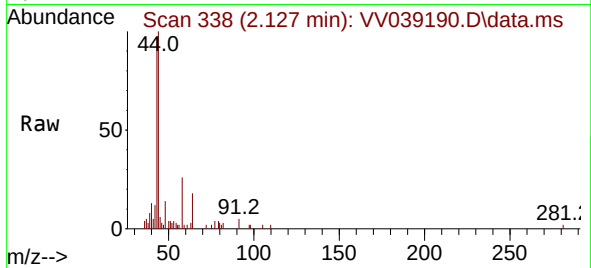




#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 31
Delta R.T. 0.009 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

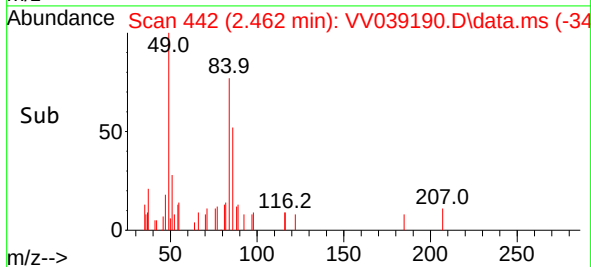
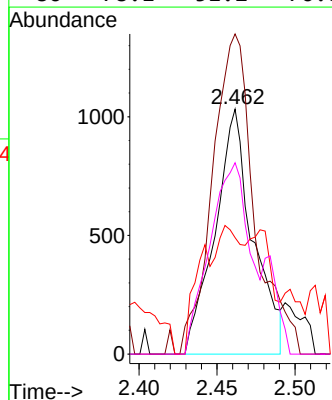
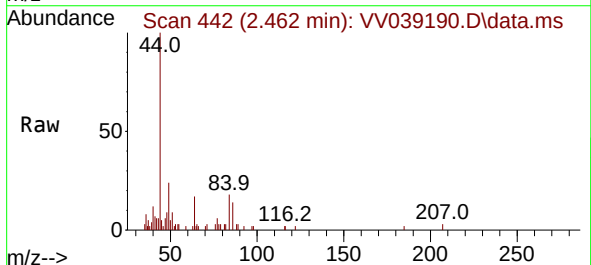
Instrument :
MSVOA_V
ClientSampleId :

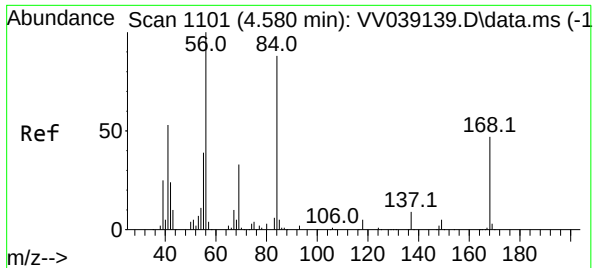
Tgt Ion: 43 Resp: 10167
Ion Ratio Lower Upper
43 100
58 25.5 25.8 38.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

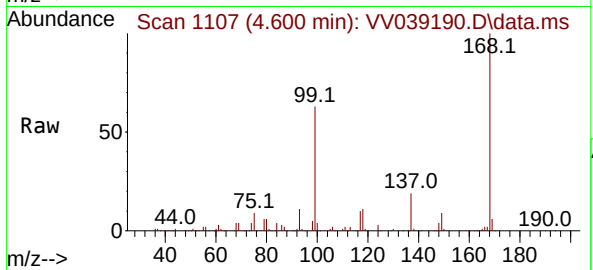
Tgt Ion: 84 Resp: 1744
Ion Ratio Lower Upper
84 100
49 130.7 102.8 154.2
51 47.6 31.9 47.9
86 78.1 51.2 76.8#



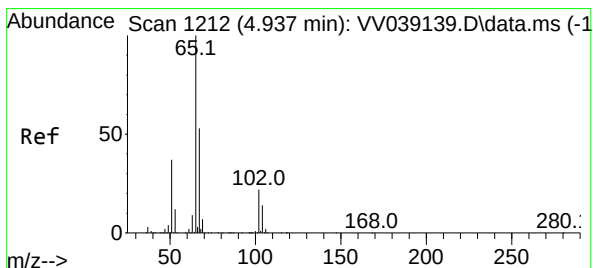
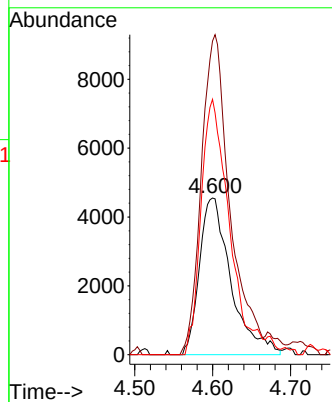
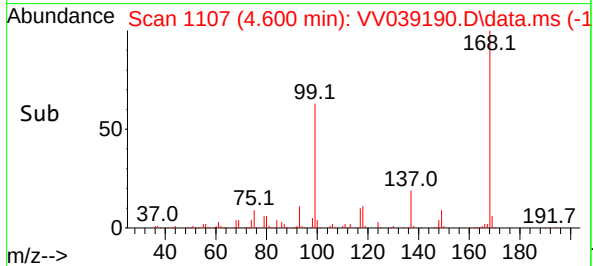


#31
Cyclohexane
Concen: 0.888 ug/l
RT: 4.600 min Scan# 1101
Delta R.T. 0.019 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Instrument :
MSVOA_V
ClientSampleId :

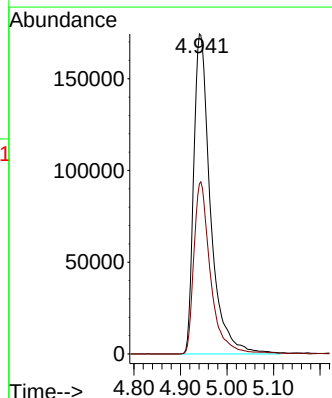
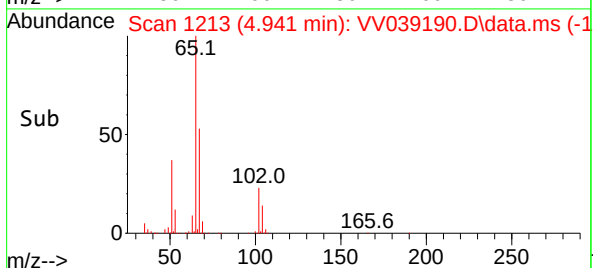
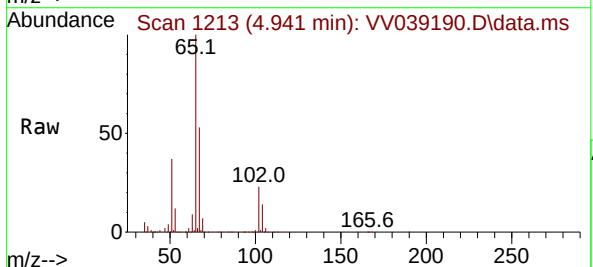


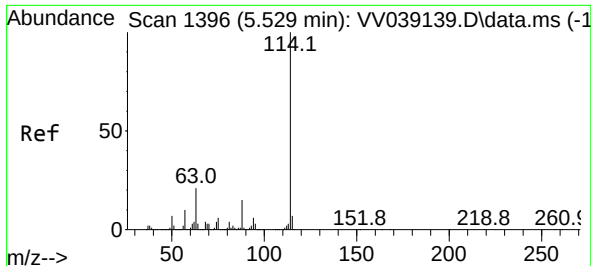
Tgt Ion: 56 Resp: 12787
Ion Ratio Lower Upper
56 100
69 200.2 26.2 39.2#
84 163.1 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 54.127 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Tgt Ion: 65 Resp: 436755
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039190.D

Acq: 25 Sep 2025 18:32

Instrument :

MSVOA_V

ClientSampleId :

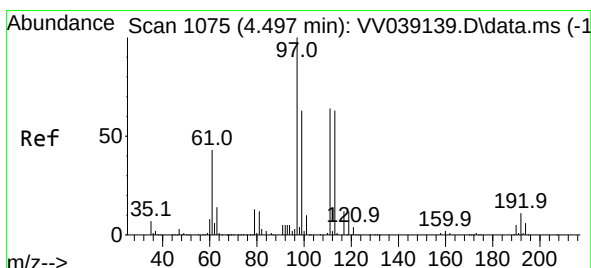
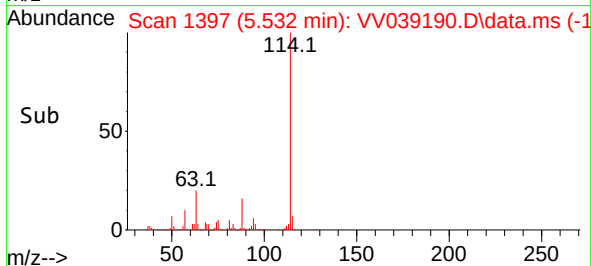
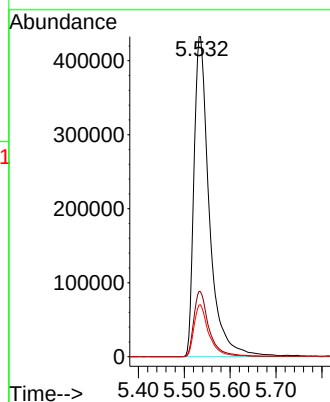
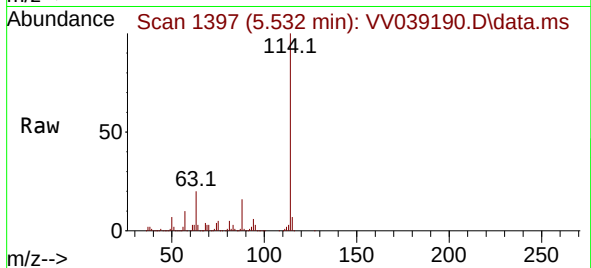
Tgt Ion:114 Resp: 1004933

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 16.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 49.941 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039190.D

Acq: 25 Sep 2025 18:32

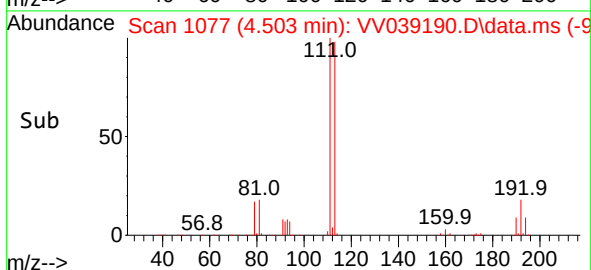
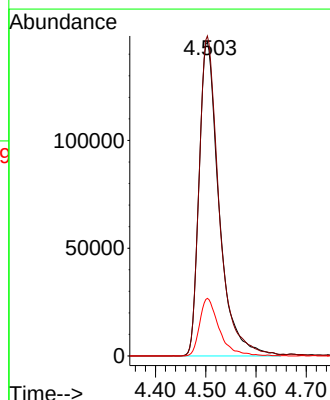
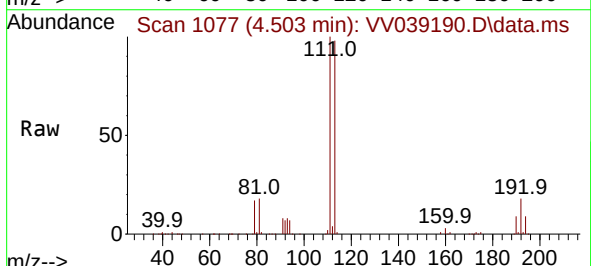
Tgt Ion:113 Resp: 403467

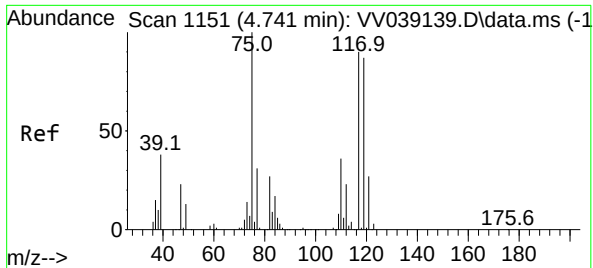
Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

192 17.9 13.8 20.8

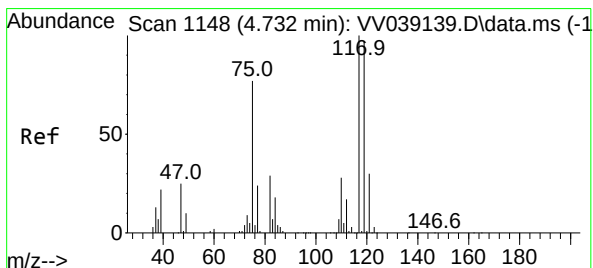
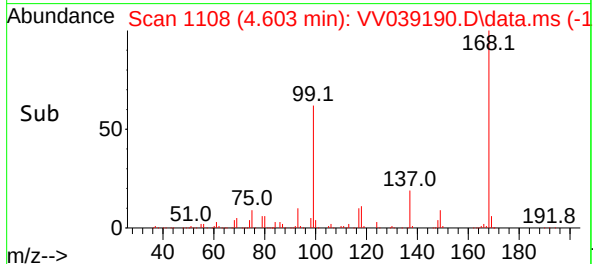
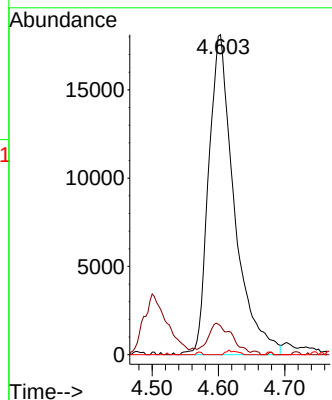
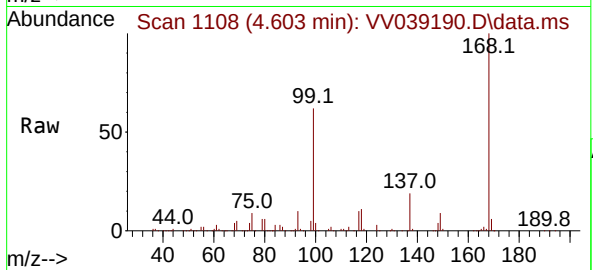




#36
 1,1-Dichloropropene
 Concen: 3.989 ug/l
 RT: 4.603 min Scan# 1108
 Delta R.T. -0.138 min
 Lab File: VV039190.D
 Acq: 25 Sep 2025 18:32

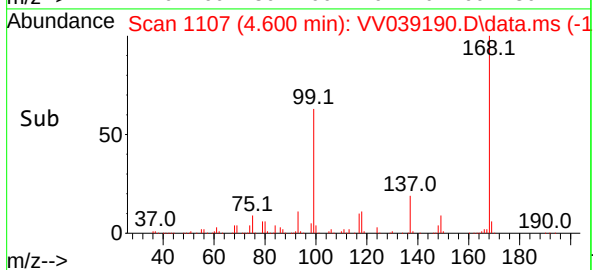
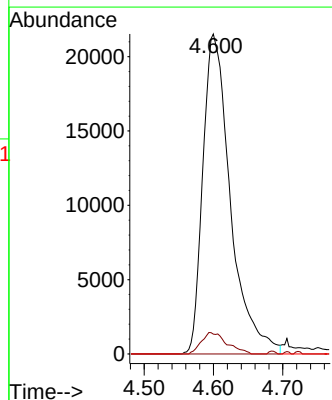
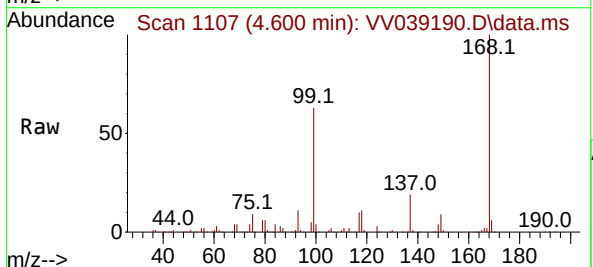
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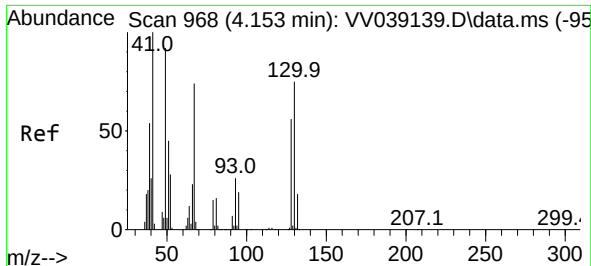
Tgt Ion: 75 Resp: 48729
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.1#
 77 0.6 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 3.985 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.132 min
 Lab File: VV039190.D
 Acq: 25 Sep 2025 18:32

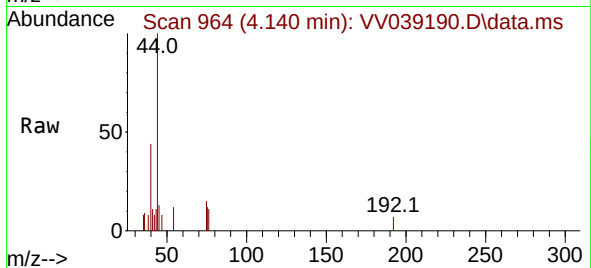
Tgt Ion: 117 Resp: 59493
 Ion Ratio Lower Upper
 117 100
 119 6.2 77.2 115.8#
 121 0.0 24.2 36.2#



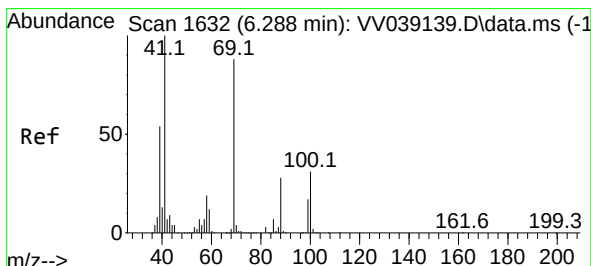
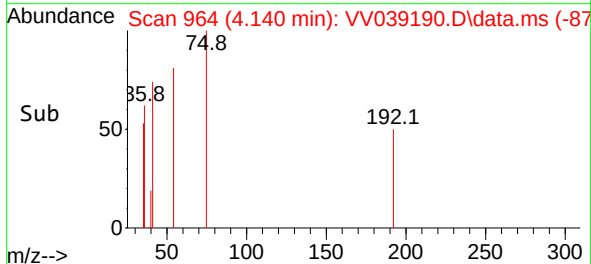
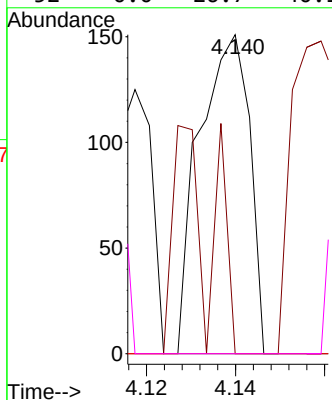


#41
Methacrylonitrile
Concen: 1.927 ug/l
RT: 4.140 min Scan# 90
Delta R.T. -0.013 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Instrument :
MSVOA_V
ClientSampleId :

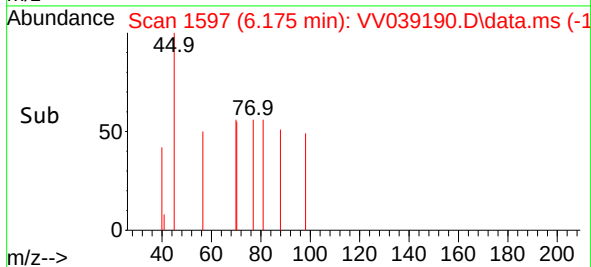
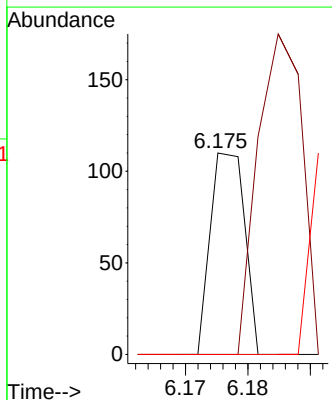
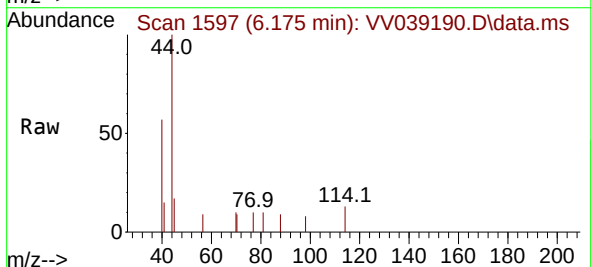


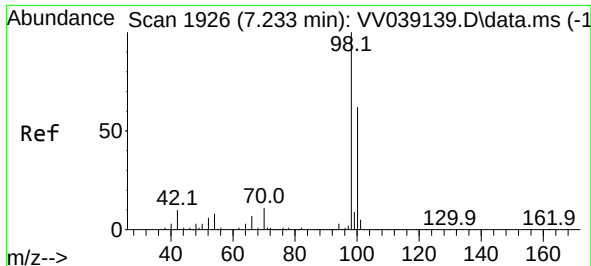
Tgt Ion:	41	Resp:	118
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.2	63.2
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#49
1,4-Dioxane
Concen: 0.284 ug/l
RT: 6.175 min Scan# 1597
Delta R.T. -0.113 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Tgt Ion:	88	Resp:	42
Ion	Ratio	Lower	Upper
88	100		
43	204.8	25.1	37.7#
58	0.0	53.6	80.4#

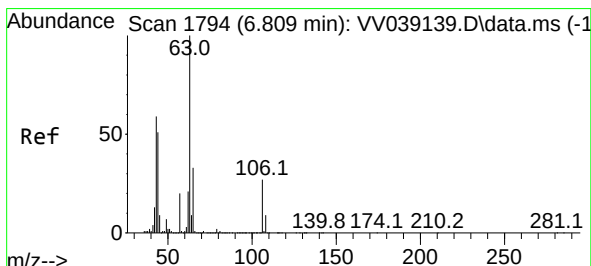
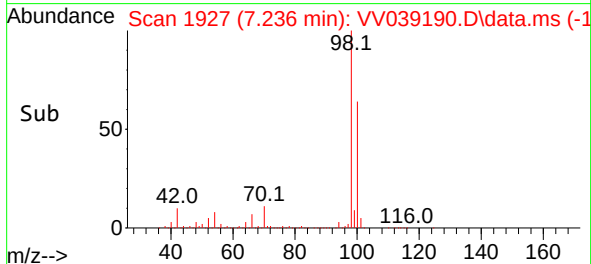
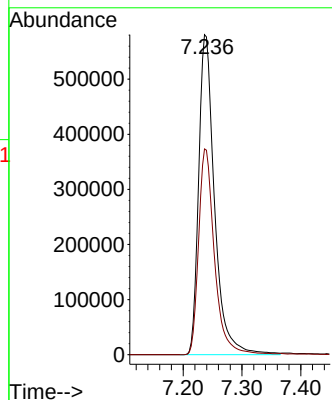
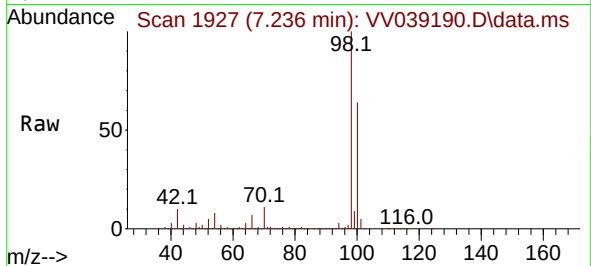




#50
Toluene-d8
Concen: 45.977 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

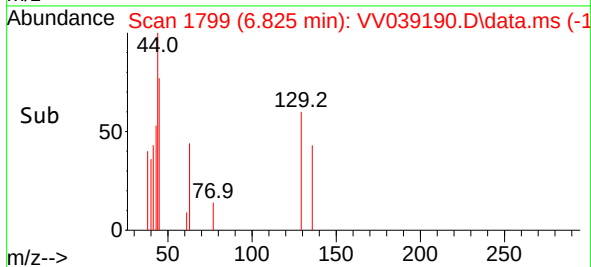
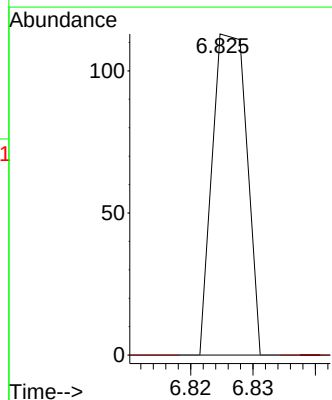
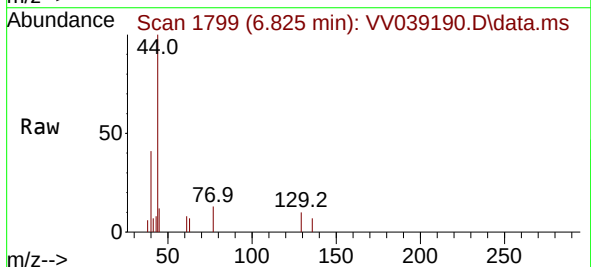
Instrument :
MSVOA_V
ClientSampleId :

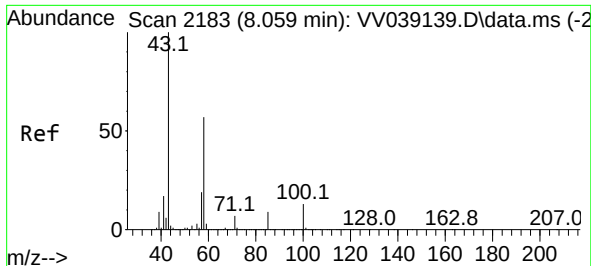
Tgt Ion: 98 Resp: 1090916
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#58
2-Chloroethyl Vinyl ether
Concen: 9.629 ug/l
RT: 6.825 min Scan# 1799
Delta R.T. 0.016 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Tgt Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#

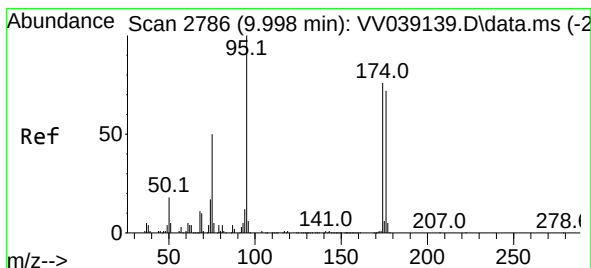
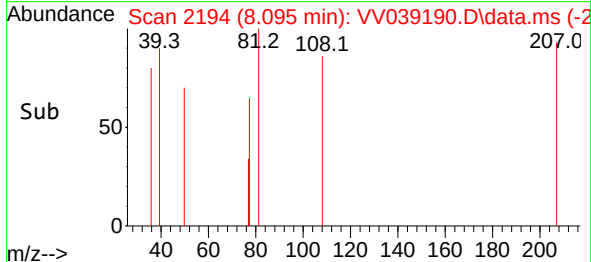
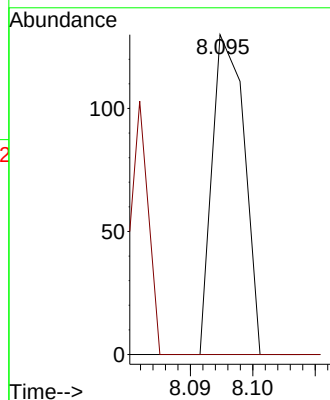
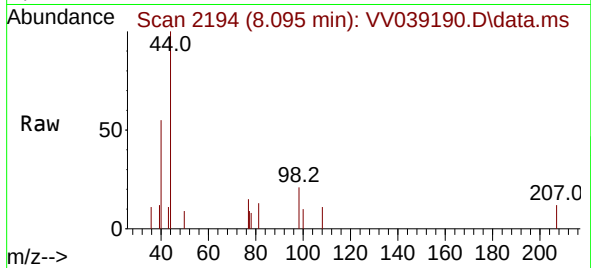




#59
2-Hexanone
Concen: 2.330 ug/l
RT: 8.095 min Scan# 2183
Delta R.T. 0.036 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

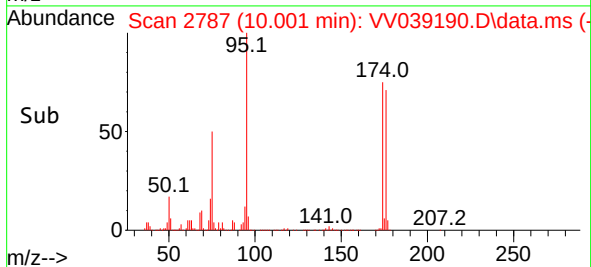
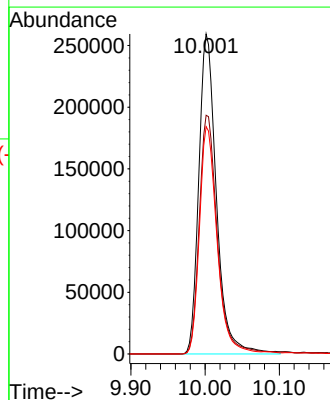
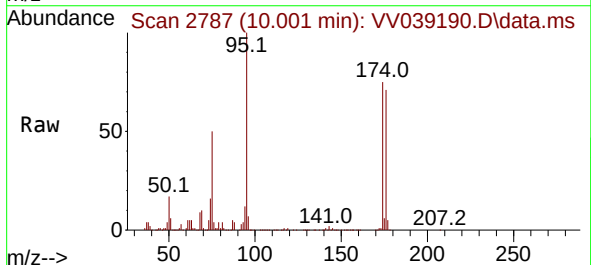
Instrument :
MSVOA_V
ClientSampleId :

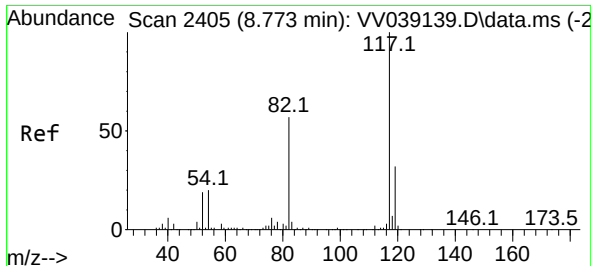
Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
58 43.5 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 43.933 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

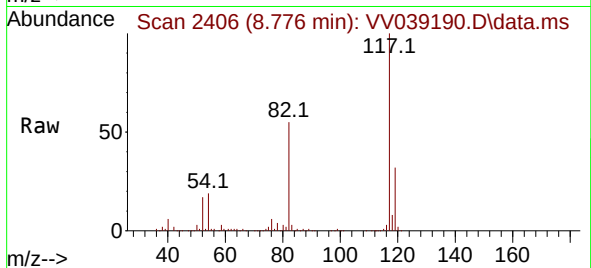
Tgt Ion: 95 Resp: 429135
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.4
176 71.4 0.0 144.2



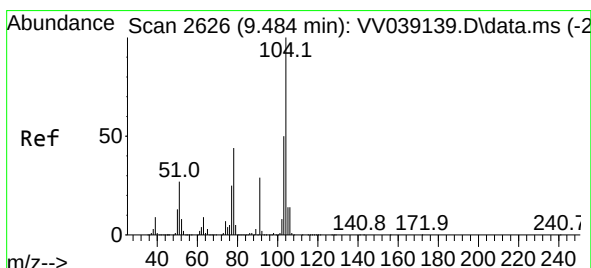
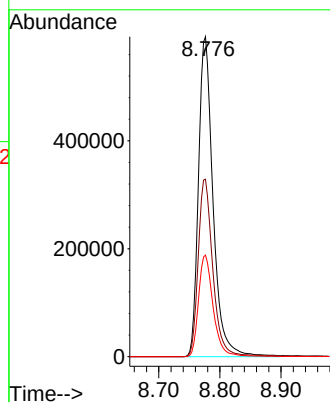
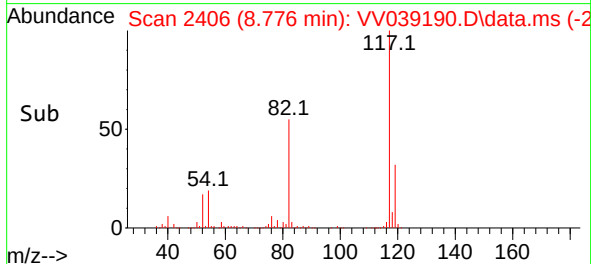


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Instrument :
MSVOA_V
ClientSampleId :

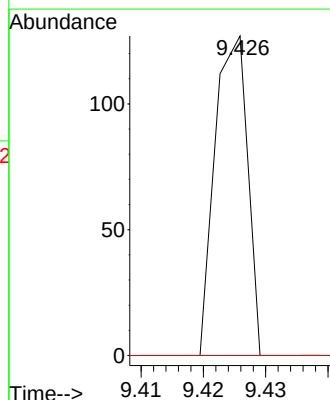
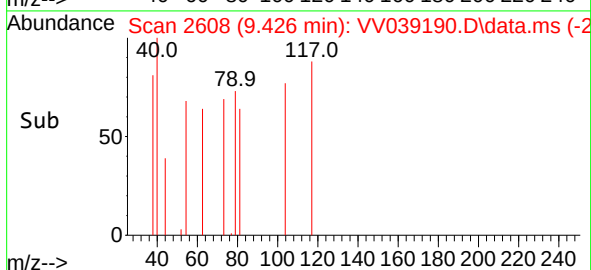
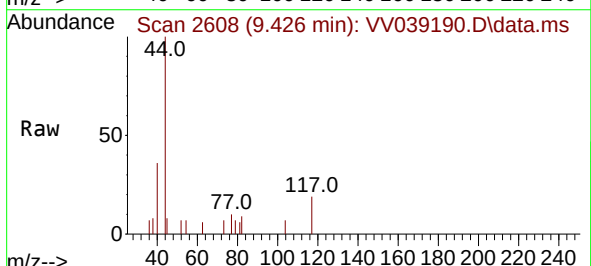


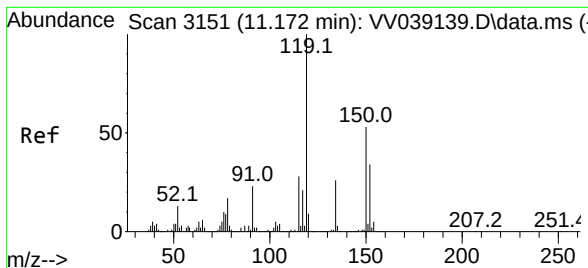
Tgt Ion:117 Resp: 984426
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.2
119 31.7 25.6 38.4



#70
Styrene
Concen: 1.563 ug/l
RT: 9.426 min Scan# 2608
Delta R.T. -0.058 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Tgt Ion:104 Resp: 46
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.6#
103 0.0 43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 31

Delta R.T. 0.003 min

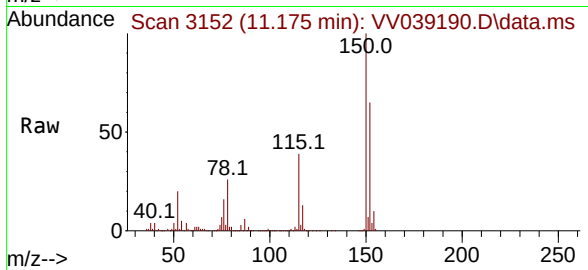
Lab File: VV039190.D

Acq: 25 Sep 2025 18:32

Instrument :

MSVOA_V

ClientSampleId :



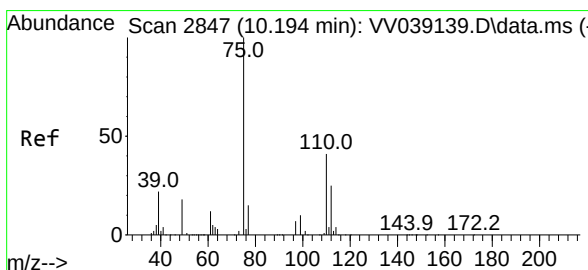
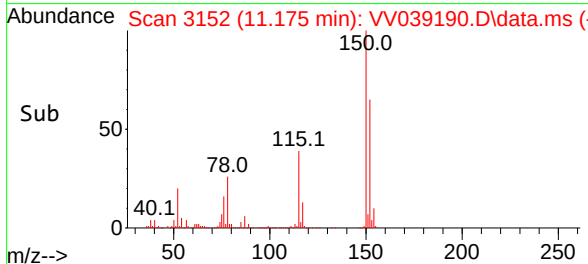
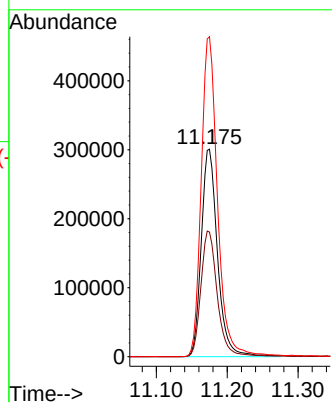
Tgt Ion:152 Resp: 478455

Ion Ratio Lower Upper

152 100

115 61.5 44.8 134.4

150 154.9 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 19.513 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.193 min

Lab File: VV039190.D

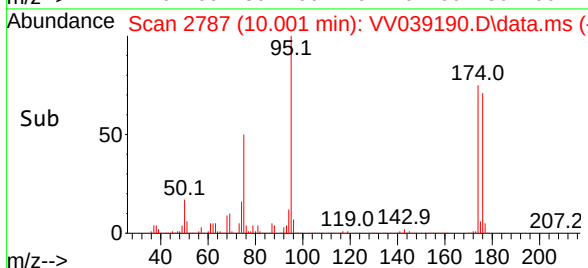
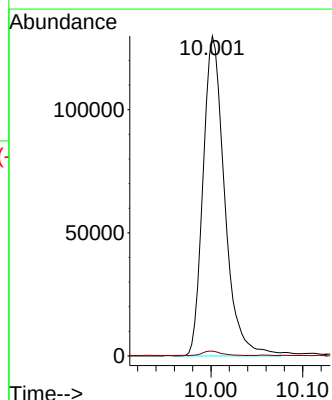
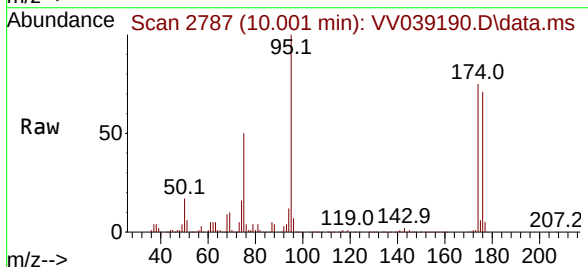
Acq: 25 Sep 2025 18:32

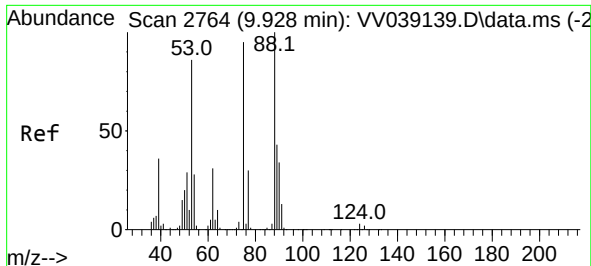
Tgt Ion: 75 Resp: 212569

Ion Ratio Lower Upper

75 100

77 1.2 11.3 33.8#

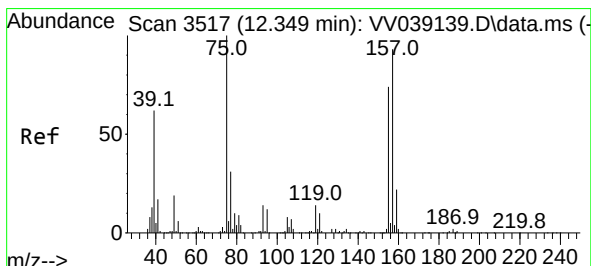
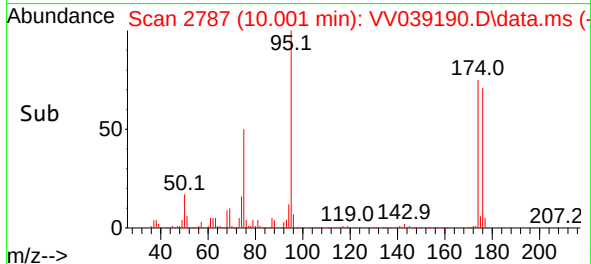
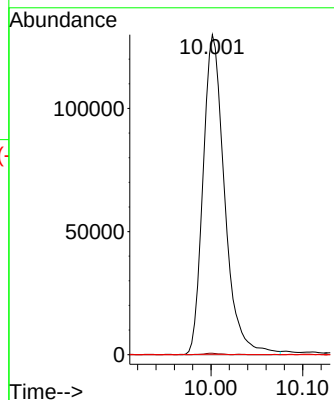
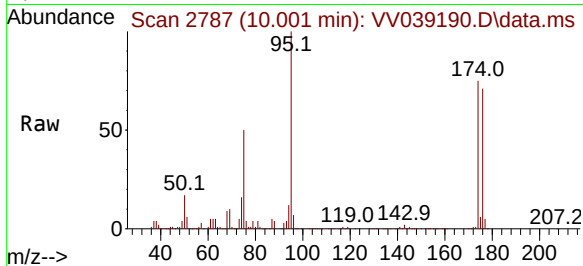




#81
trans-1,4-Dichloro-2-butene
Concen: 46.845 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 212569
Ion Ratio Lower Upper
75 100
53 0.3 72.5 108.7#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.339 min Scan# 3514
Delta R.T. -0.010 min
Lab File: VV039190.D
Acq: 25 Sep 2025 18:32

Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
155 0.0 38.6 115.8#
157 0.0 49.5 148.3#

