

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100625\
 Data File : VV039275.D
 Acq On : 06 Oct 2025 15:48
 Operator : SY/MD
 Sample : Q3269-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EG1-TP2

Quant Time: Oct 07 03:36:37 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

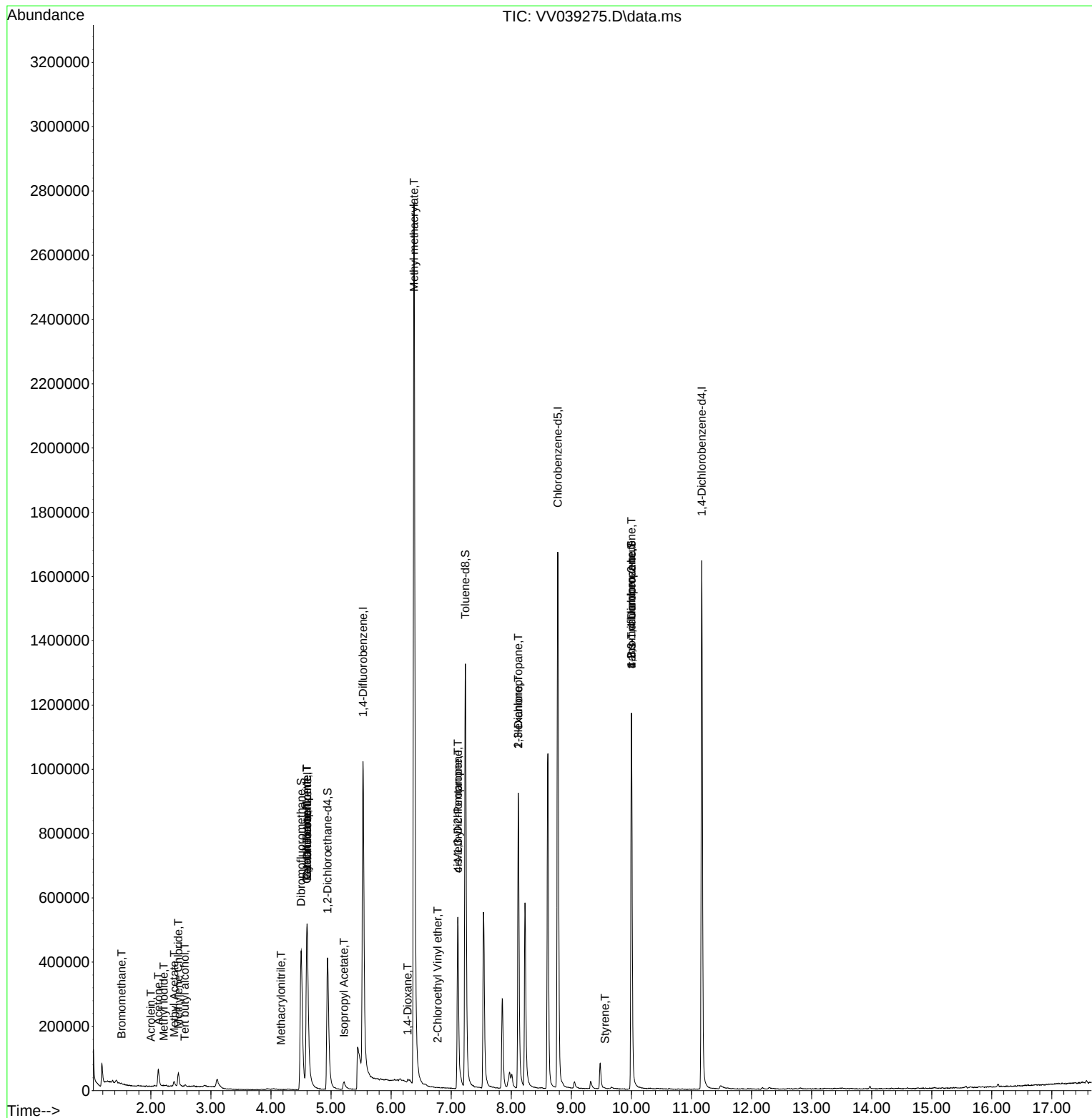
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.603	168	447623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	881706	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	945653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	434975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	366605	56.589	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	113.180%
35) Dibromofluoromethane	4.503	113	364819	51.468	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	102.940%
50) Toluene-d8	7.236	98	951448	45.703	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.400%
62) 4-Bromofluorobenzene	10.001	95	401720	46.874	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	93.740%
Target Compounds						
					Qvalue	
5) Bromomethane	1.513	94	1365	0.266	ug/l #	65
6) Chloroethane	1.500	64	1627	Below Cal	#	44
10) Methyl Iodide	2.217	142	1944	0.291	ug/l #	73
11) Tert butyl alcohol	2.564	59	889	0.649	ug/l #	73
13) Acrolein	2.002	56	257	1.082	ug/l #	82
16) Acetone	2.124	43	65020	11.175	ug/l	98
18) Methyl Acetate	2.387	43	21692	2.260	ug/l	95
20) Methylene Chloride	2.458	84	19692	0.906	ug/l	96
31) Cyclohexane	4.600	56	9823	0.850	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	38871	3.627	ug/l #	49
38) Carbon Tetrachloride	4.596	117	48040	3.668	ug/l #	16
41) Methacrylonitrile	4.169	41	162	1.937	ug/l #	15
43) Isopropyl Acetate	5.217	43	37289	2.103	ug/l	97
48) Methyl methacrylate	6.381	41	251128	31.245	ug/l #	38
49) 1,4-Dioxane	6.275	88	94	0.725	ug/l #	1
51) 4-Methyl-2-Pentanone	7.111	43	210172	18.018	ug/l #	47
54) cis-1,3-Dichloropropene	7.111	75	102743	7.781	ug/l #	64
57) 1,3-Dichloropropane	8.117	76	9968	0.696	ug/l #	43
58) 2-Chloroethyl Vinyl ether	6.773	63	50	9.631	ug/l #	47
59) 2-Hexanone	8.117	43	123004	15.268	ug/l #	56
70) Styrene	9.561	104	20	1.562	ug/l #	26
76) 1,2,3-Trichloropropane	10.001	75	194457	19.635	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	194457	47.137	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.352	75	46	Below Cal	#	5

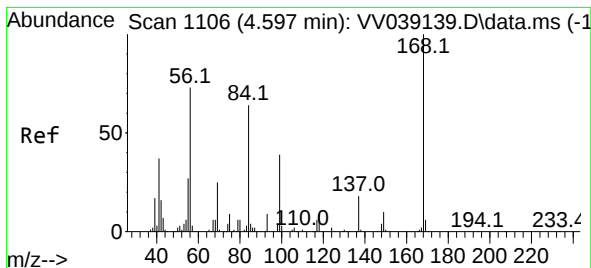
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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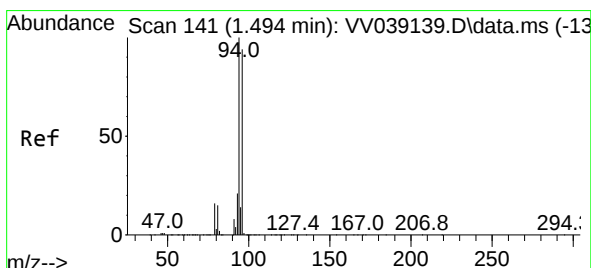
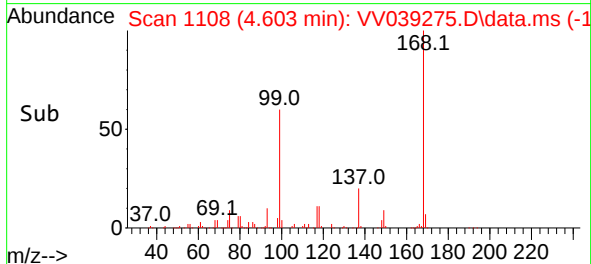
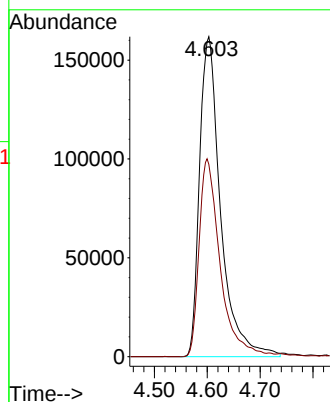
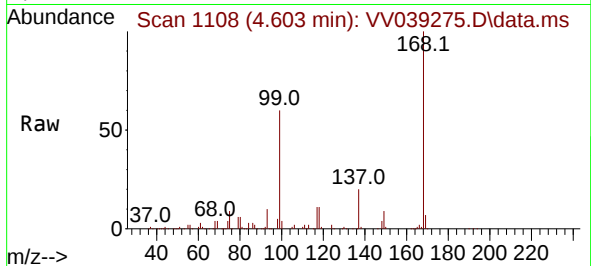




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

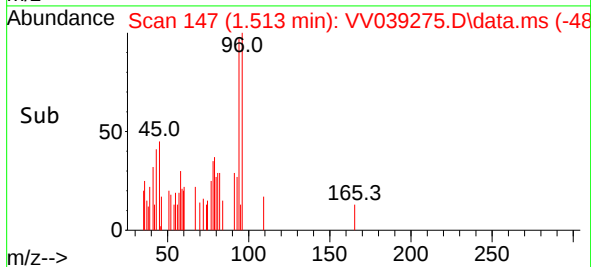
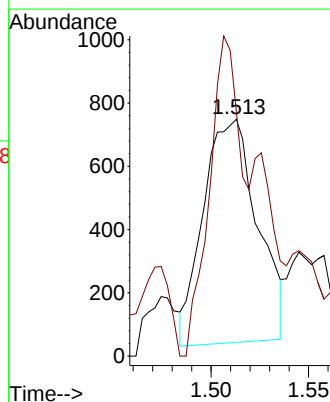
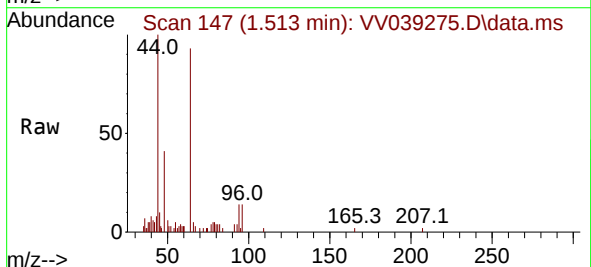
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

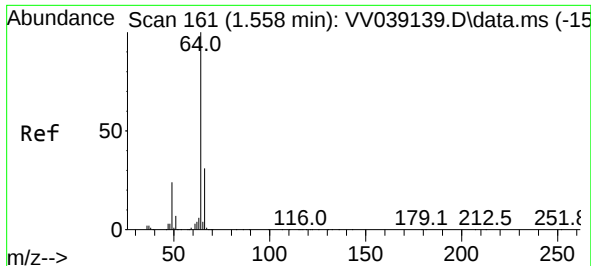
Tgt Ion:168 Resp: 447623
Ion Ratio Lower Upper
168 100
99 60.1 49.6 74.4



#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.513 min Scan# 147
Delta R.T. 0.019 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 94 Resp: 1365
Ion Ratio Lower Upper
94 100
96 126.9 74.9 112.3#

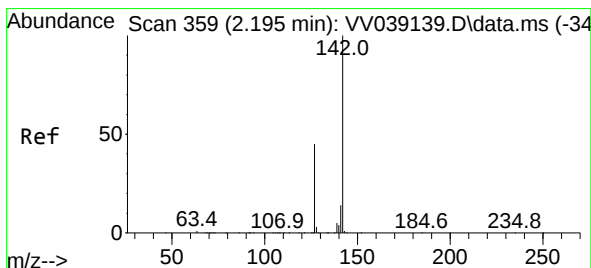
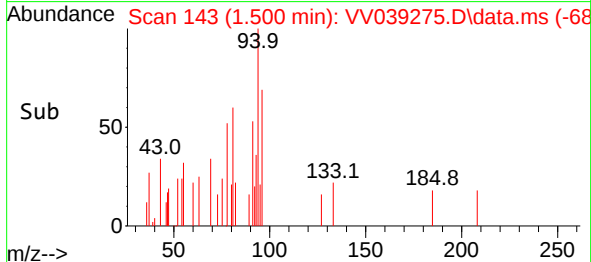
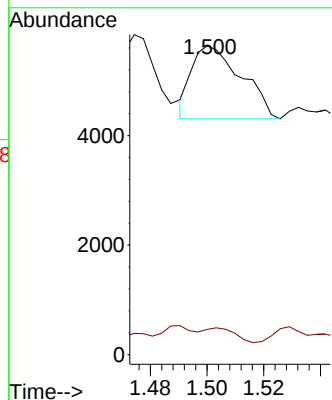
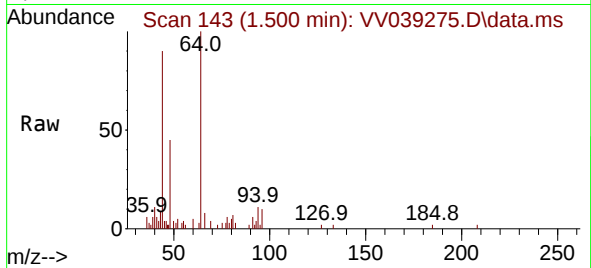




#6
Chloroethane
Concen: Below Cal
RT: 1.500 min Scan# 14
Delta R.T. -0.058 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

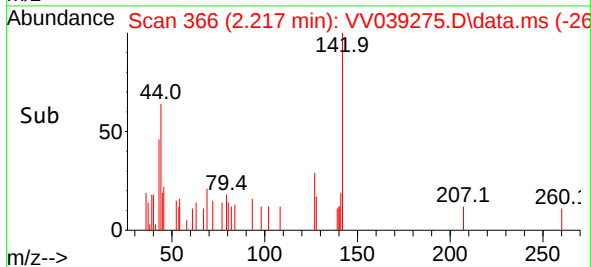
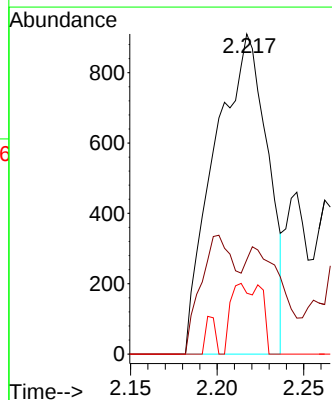
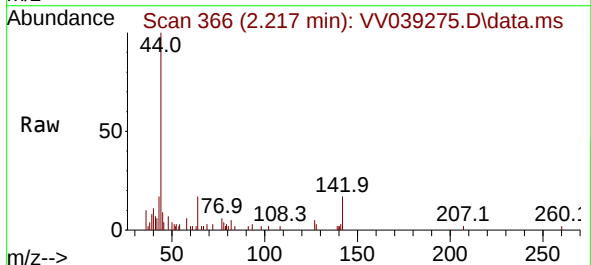
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

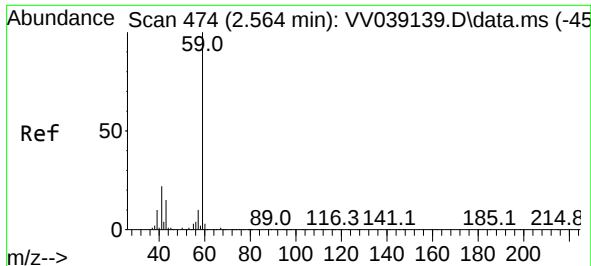
Tgt Ion: 64 Resp: 1627
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#10
Methyl Iodide
Concen: 0.291 ug/l
RT: 2.217 min Scan# 366
Delta R.T. 0.022 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion:142 Resp: 1944
Ion Ratio Lower Upper
142 100
127 22.6 36.3 54.5#
141 12.6 11.2 16.8

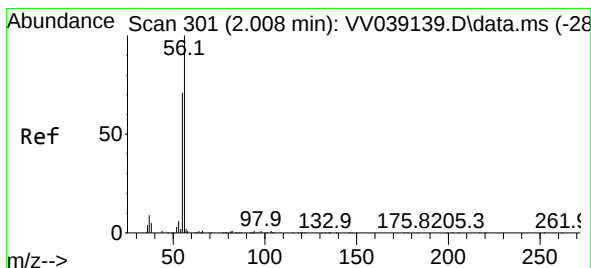
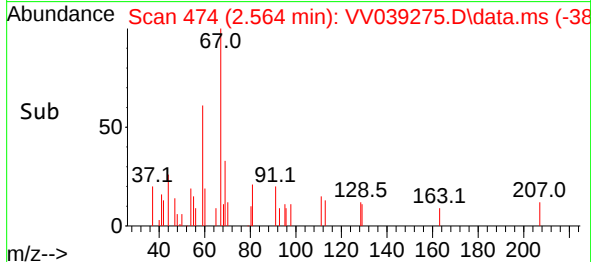
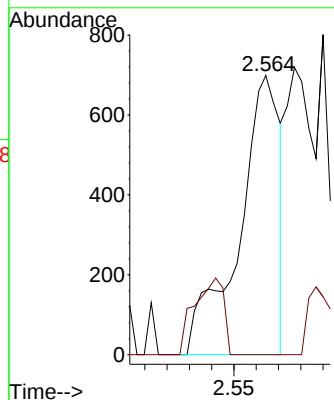
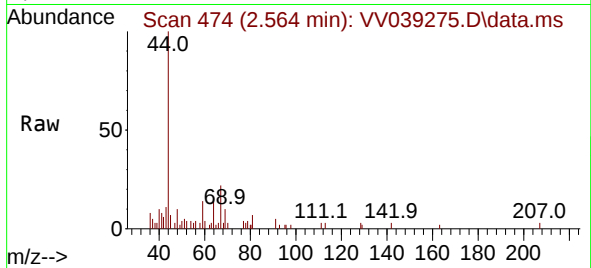




#11
Tert butyl alcohol
Concen: 0.649 ug/l
RT: 2.564 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

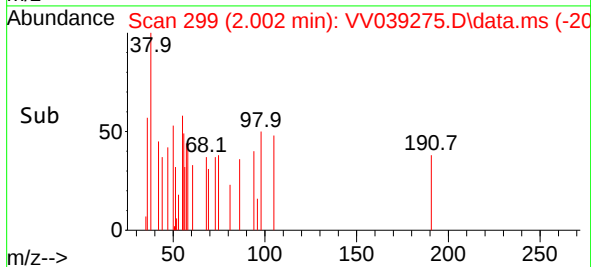
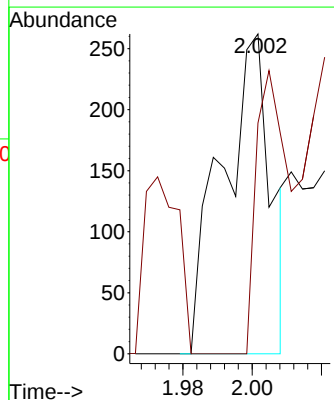
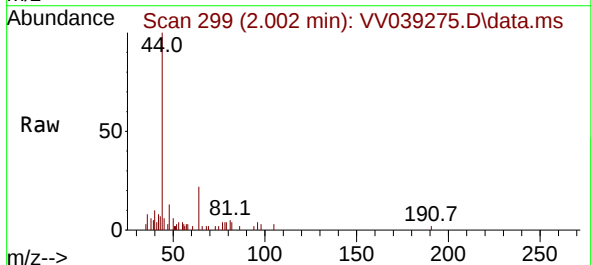
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

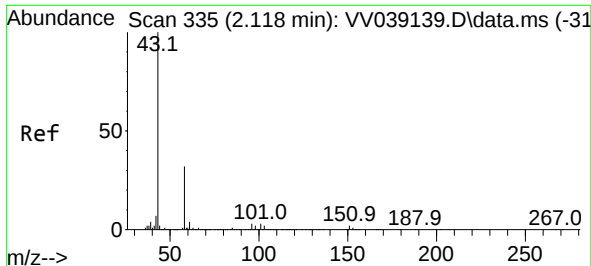
Tgt Ion: 59 Resp: 889
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.082 ug/l
RT: 2.002 min Scan# 299
Delta R.T. -0.007 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
55 55.3 56.2 84.4#

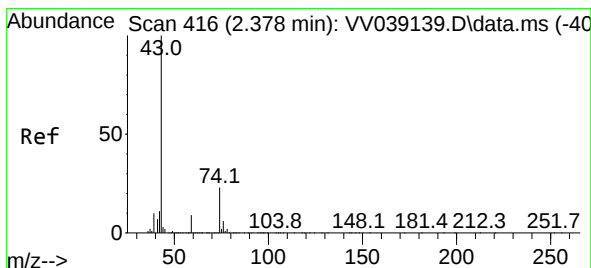
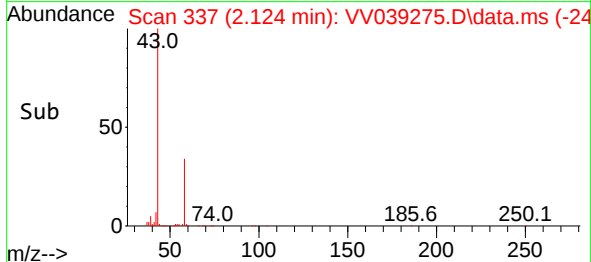
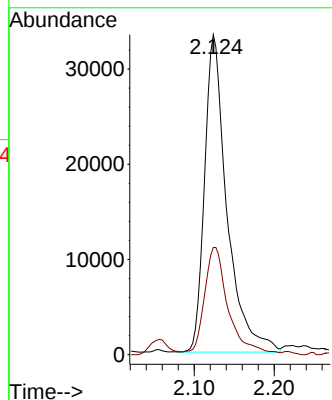
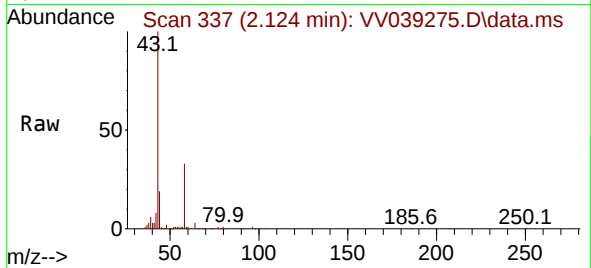




#16
Acetone
Concen: 11.175 ug/l
RT: 2.124 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

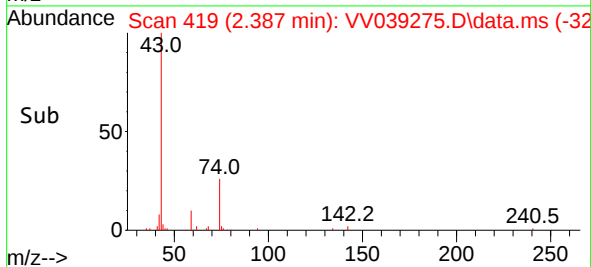
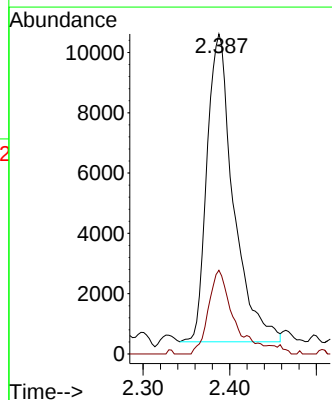
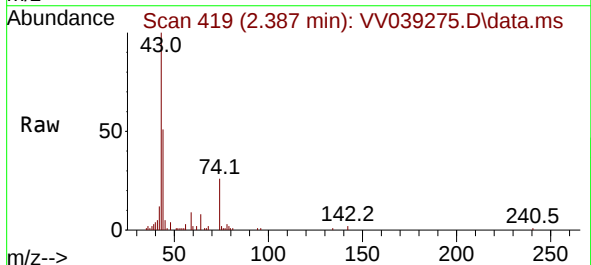
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

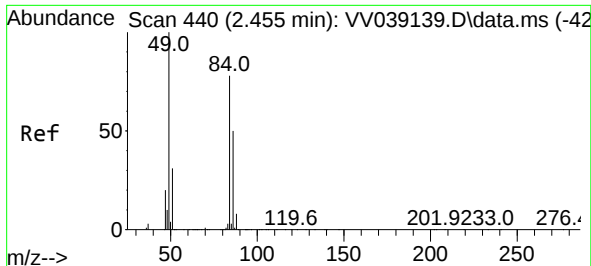
Tgt Ion: 43 Resp: 65020
Ion Ratio Lower Upper
43 100
58 33.1 25.8 38.6



#18
Methyl Acetate
Concen: 2.260 ug/l
RT: 2.387 min Scan# 419
Delta R.T. 0.010 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 43 Resp: 21692
Ion Ratio Lower Upper
43 100
74 25.7 18.6 27.8



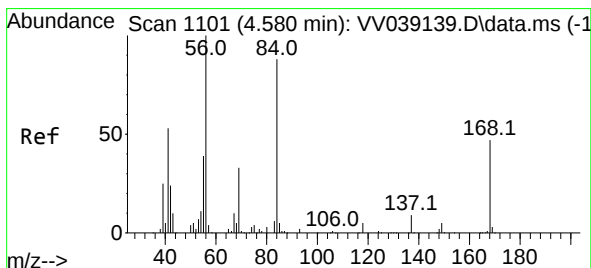
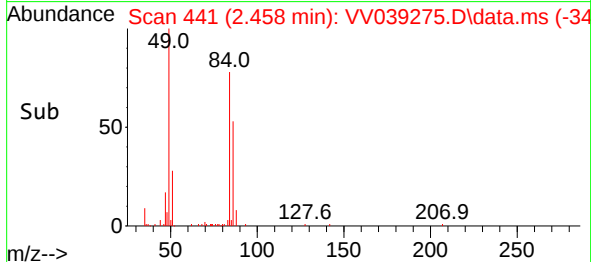
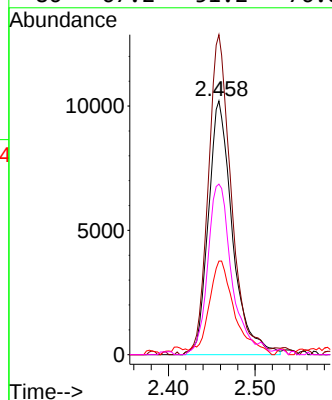
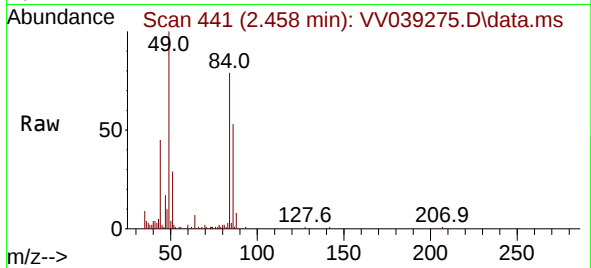


#20
Methylene Chloride
Concen: 0.906 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

Tgt Ion: 84 Resp: 19692

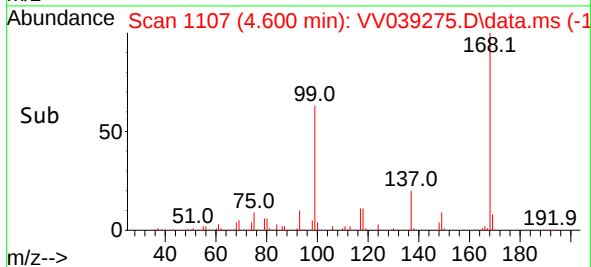
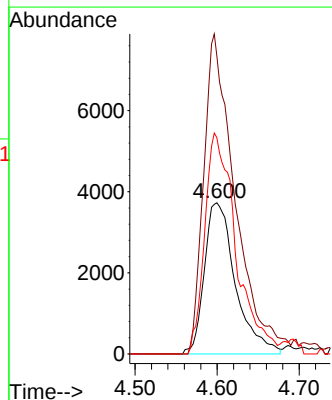
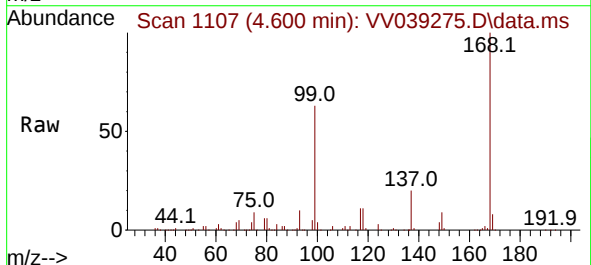
Ion	Ratio	Lower	Upper
84	100		
49	126.1	102.8	154.2
51	34.7	31.9	47.9
86	67.2	51.2	76.8

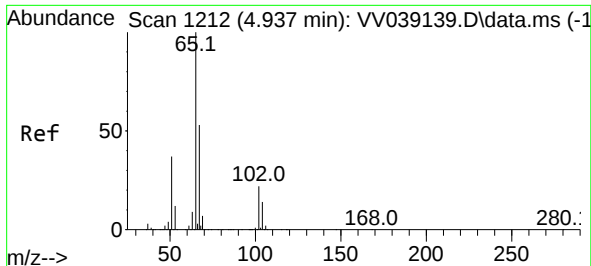


#31
Cyclohexane
Concen: 0.850 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.019 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 56 Resp: 9823

Ion	Ratio	Lower	Upper
56	100		
69	197.2	26.2	39.2#
84	143.1	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 56.589 ug/l

RT: 4.940 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

Instrument :

MSVOA_V

ClientSampleId :

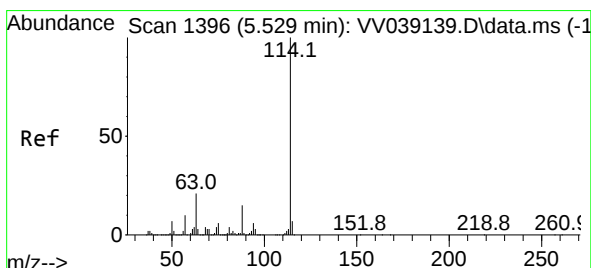
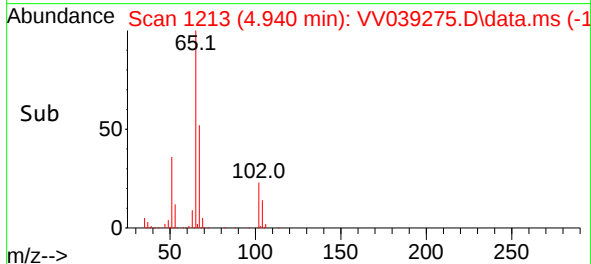
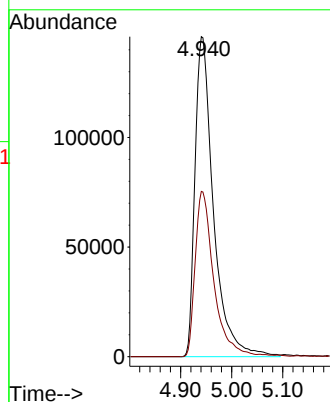
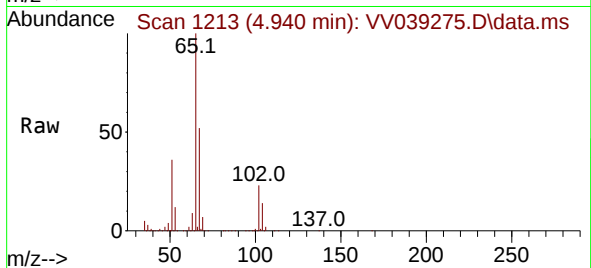
EG1-TP2

Tgt Ion: 65 Resp: 366605

Ion Ratio Lower Upper

65 100

67 51.9 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: VV039275.D

Acq: 06 Oct 2025 15:48

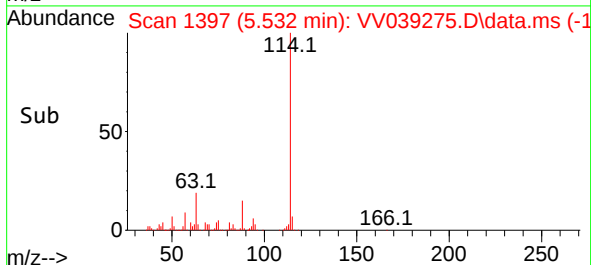
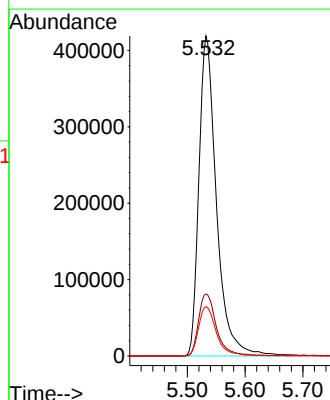
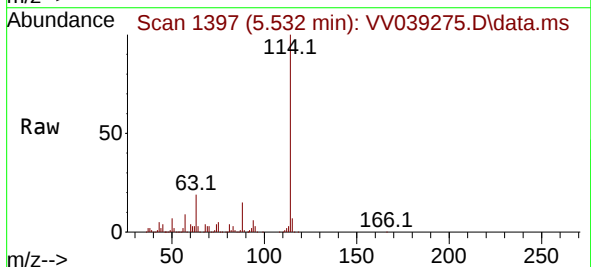
Tgt Ion: 114 Resp: 881706

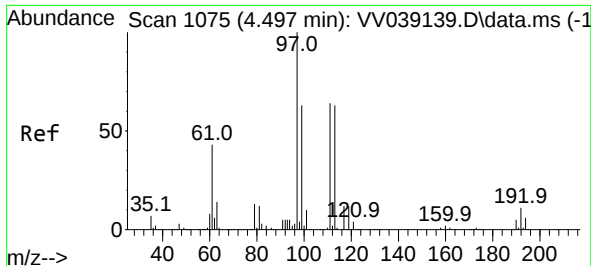
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.4 0.0 30.8

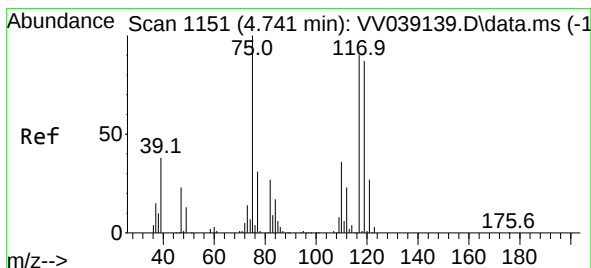
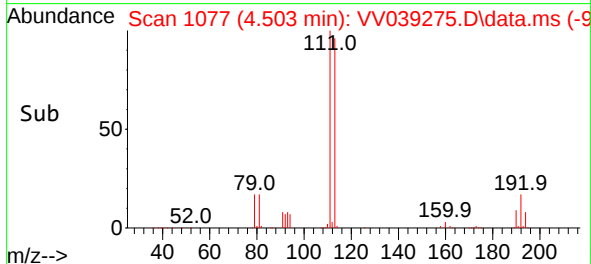
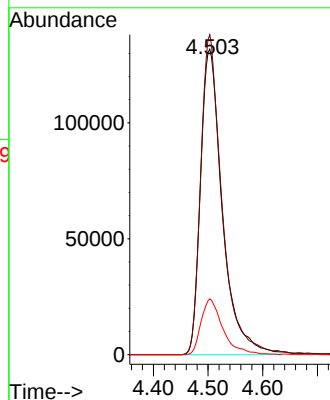
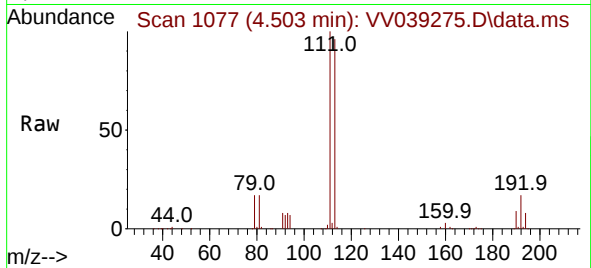




#35
Dibromofluoromethane
Concen: 51.468 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

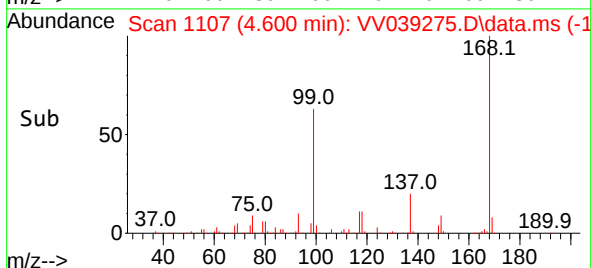
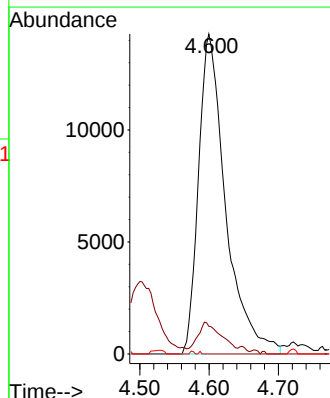
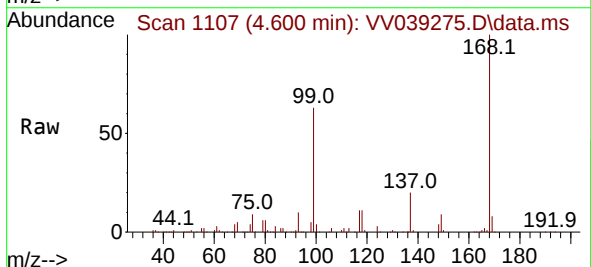
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

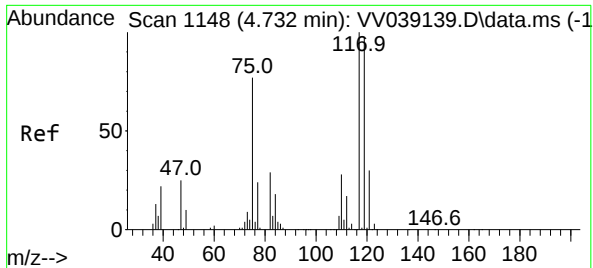
Tgt Ion:113 Resp: 364819
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 18.2 13.8 20.8



#36
1,1-Dichloropropene
Concen: 3.627 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 75 Resp: 38871
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.1#
77 0.1 24.8 37.2#

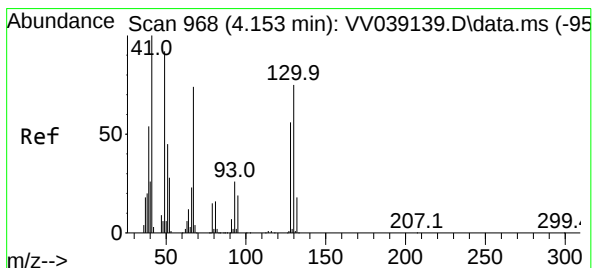
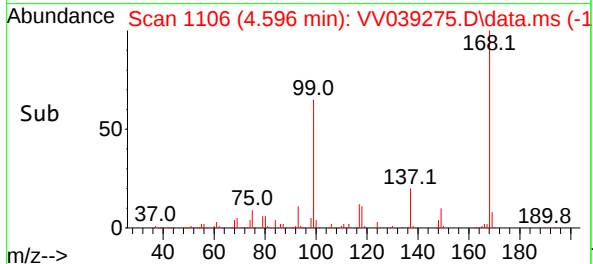
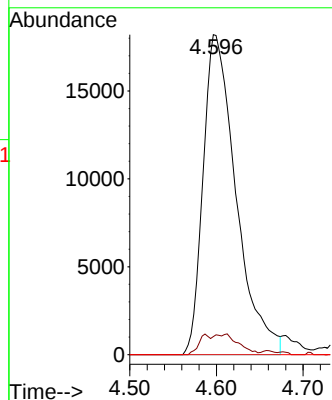
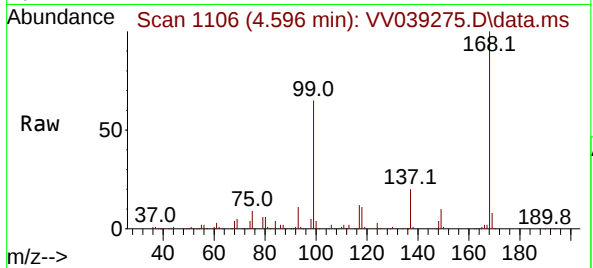




#38
Carbon Tetrachloride
Concen: 3.668 ug/l
RT: 4.596 min Scan# 1148
Delta R.T. -0.136 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

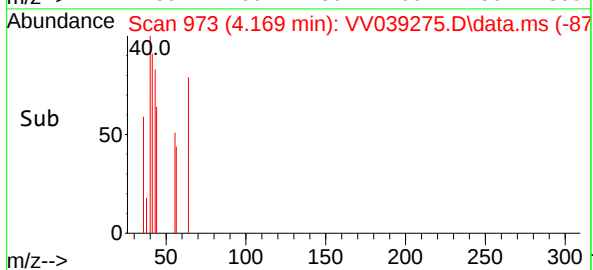
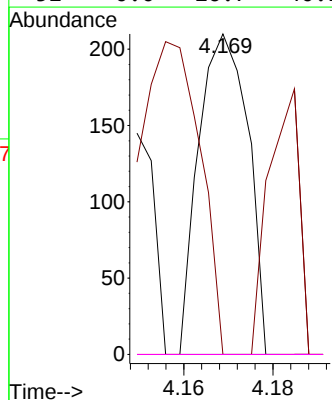
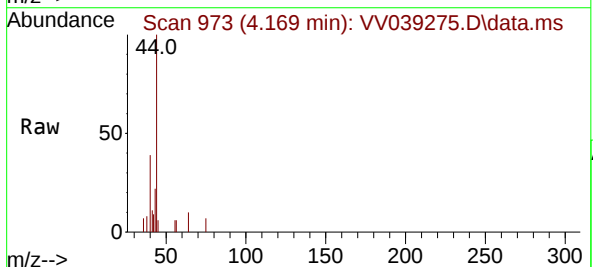
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

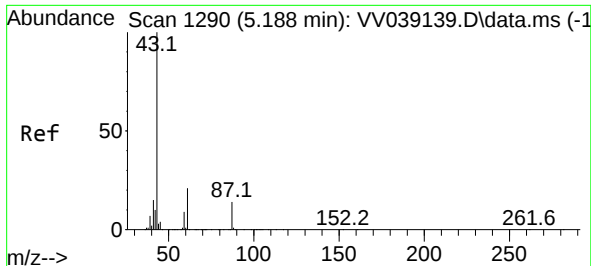
Tgt Ion:117 Resp: 48040
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.937 ug/l
RT: 4.169 min Scan# 973
Delta R.T. 0.016 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 41 Resp: 162
Ion Ratio Lower Upper
41 100
39 115.4 42.2 63.2#
67 0.0 67.9 101.9#
52 0.0 26.7 40.1#

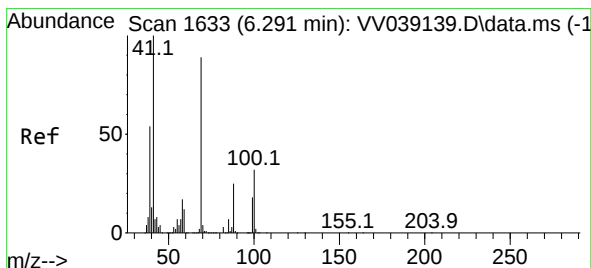
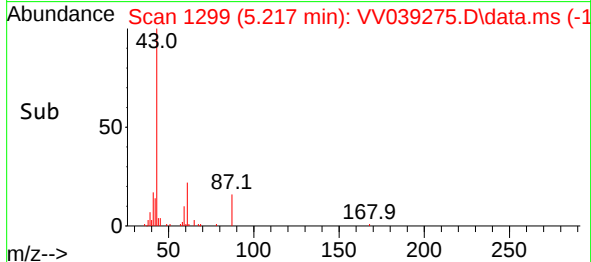
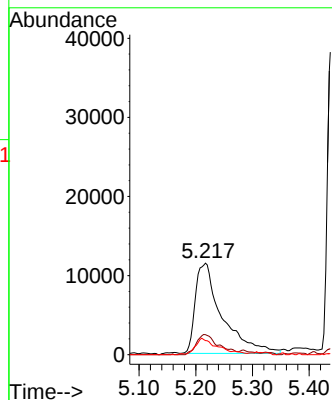
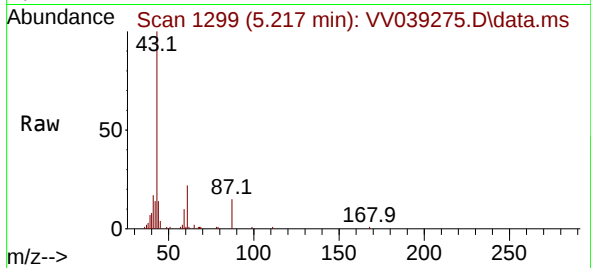




#43
Isopropyl Acetate
Concen: 2.103 ug/l
RT: 5.217 min Scan# 11
Delta R.T. 0.029 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

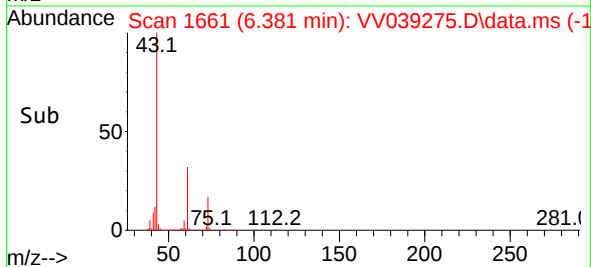
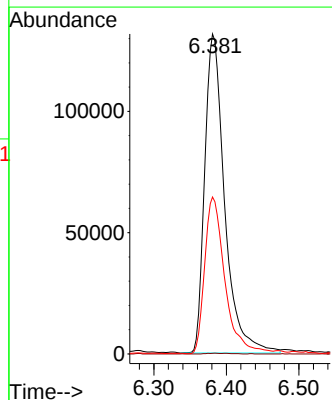
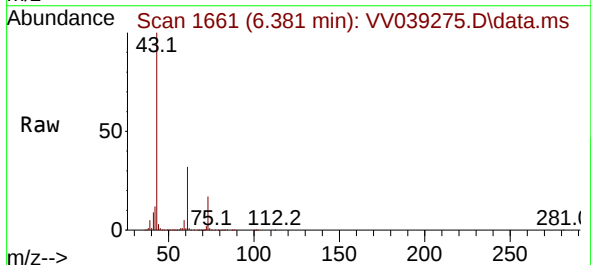
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

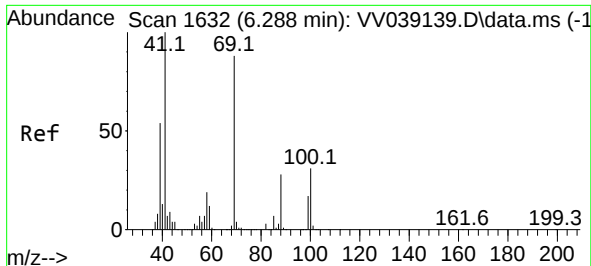
Tgt Ion: 43 Resp: 37289
Ion Ratio Lower Upper
43 100
61 18.6 15.9 23.9
87 12.7 11.0 16.6



#48
Methyl methacrylate
Concen: 31.245 ug/l
RT: 6.381 min Scan# 1661
Delta R.T. 0.090 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 41 Resp: 251128
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 49.8 42.5 63.7





#49

1,4-Dioxane

Concen: 0.725 ug/l

RT: 6.275 min Scan# 1

Delta R.T. -0.013 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

Instrument :

MSVOA_V

ClientSampleId :

EG1-TP2

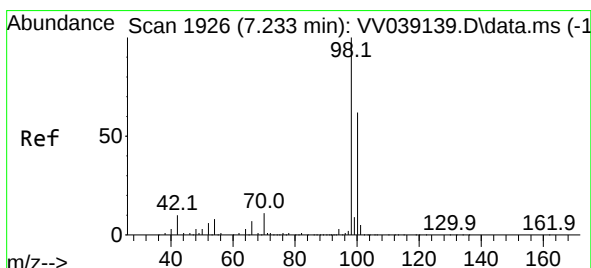
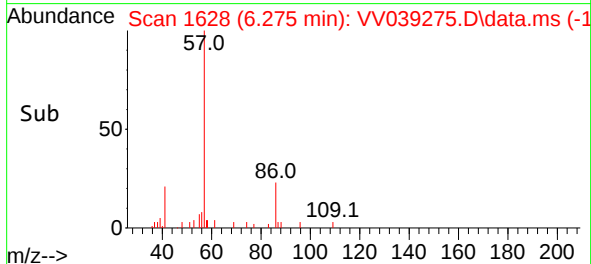
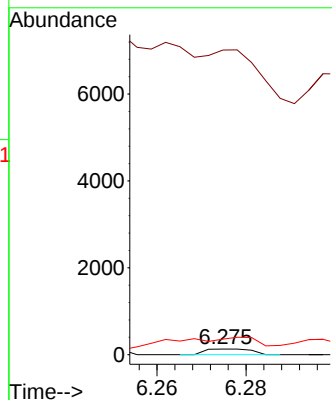
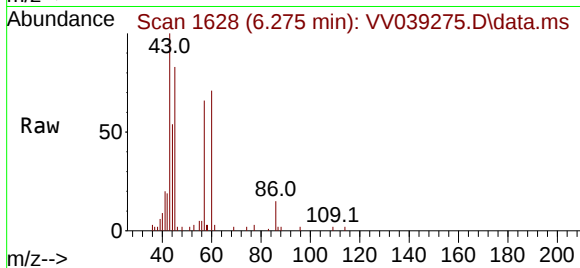
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

58 712.8 53.6 80.4#



#50

Toluene-d8

Concen: 45.703 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039275.D

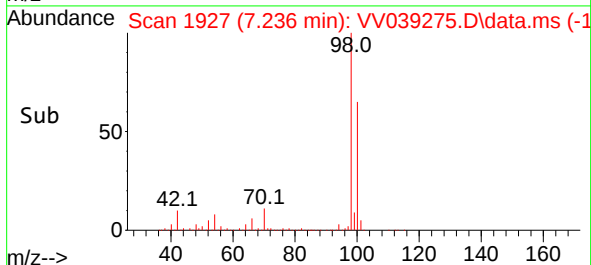
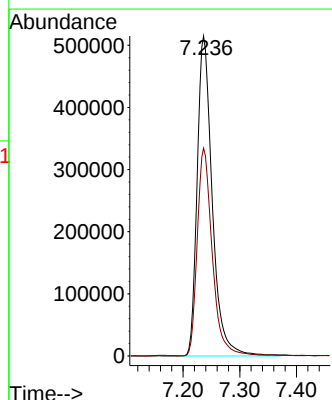
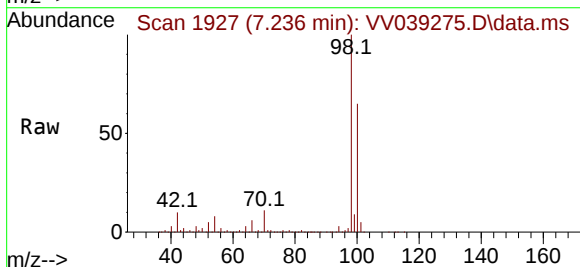
Acq: 06 Oct 2025 15:48

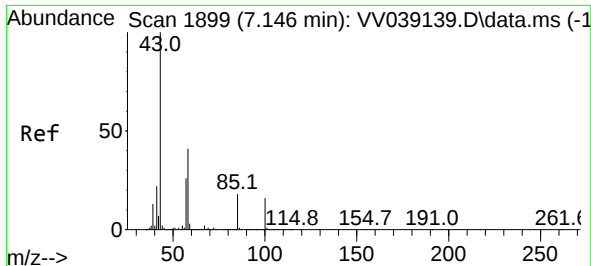
Tgt Ion: 98 Resp: 951448

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 18.018 ug/l

RT: 7.111 min Scan# 1888

Delta R.T. -0.035 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

Instrument :

MSVOA_V

ClientSampleId :

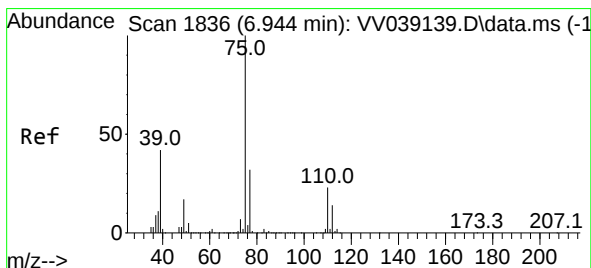
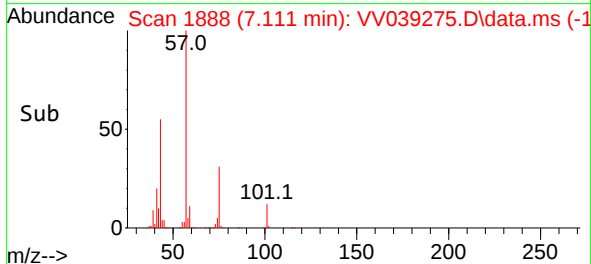
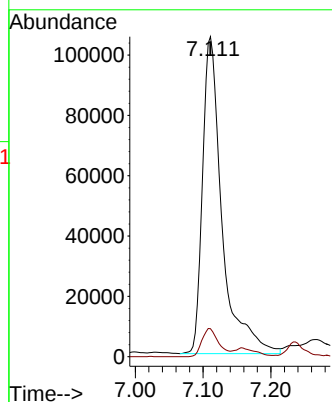
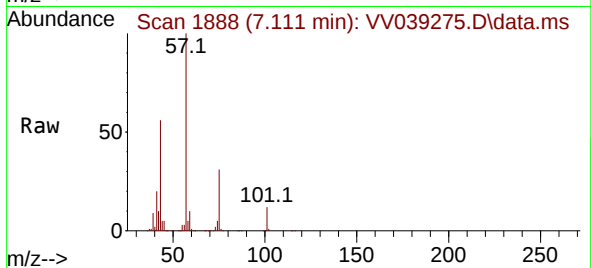
EG1-TP2

Tgt Ion: 43 Resp: 210172

Ion Ratio Lower Upper

43 100

58 7.6 32.3 48.5#



#54

cis-1,3-Dichloropropene

Concen: 7.781 ug/l

RT: 7.111 min Scan# 1888

Delta R.T. 0.167 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

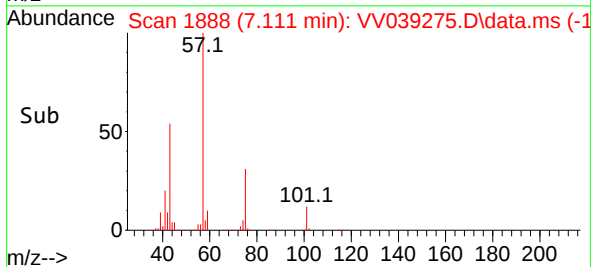
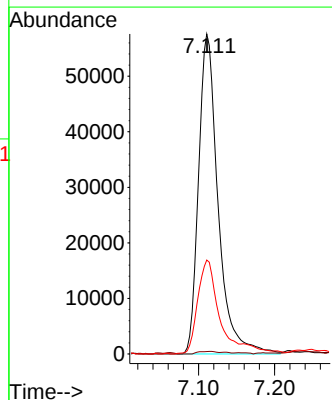
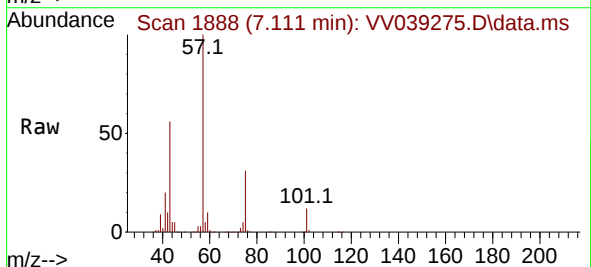
Tgt Ion: 75 Resp: 102743

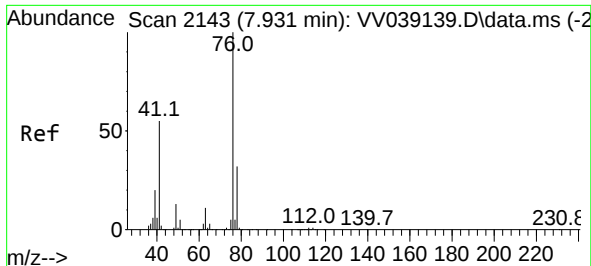
Ion Ratio Lower Upper

75 100

77 0.8 25.5 38.3#

39 29.1 33.8 50.6#

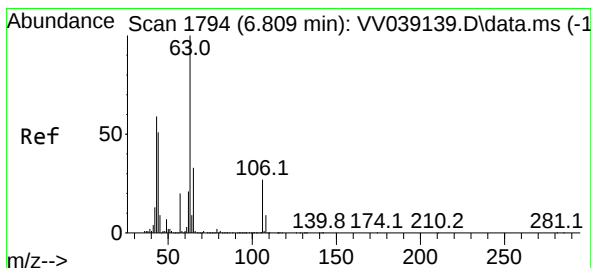
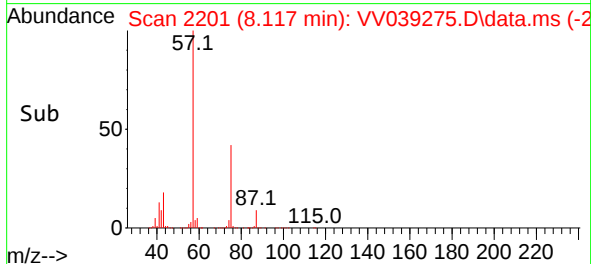
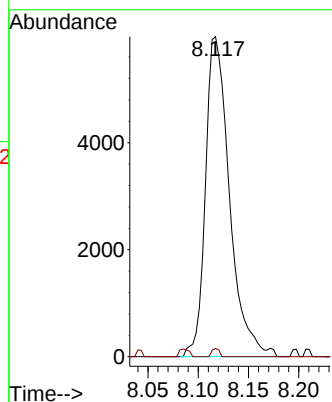
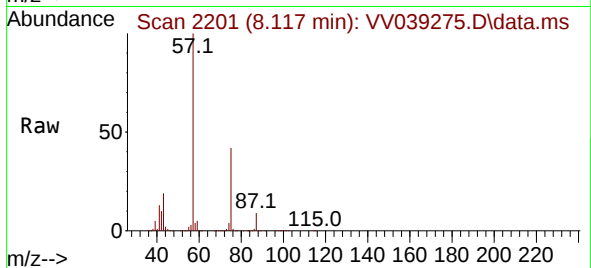




#57
 1,3-Dichloropropane
 Concen: 0.696 ug/l
 RT: 8.117 min Scan# 2143
 Delta R.T. 0.186 min
 Lab File: VV039275.D
 Acq: 06 Oct 2025 15:48

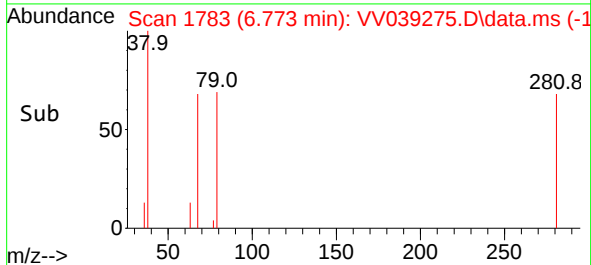
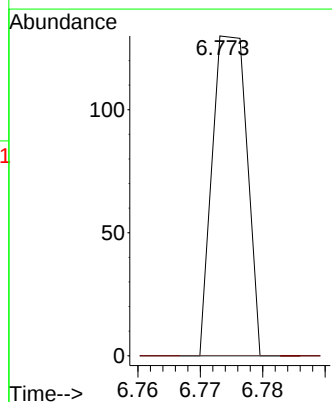
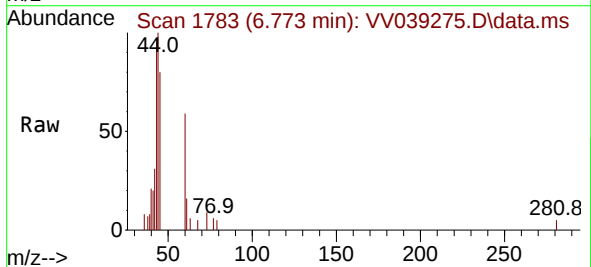
Instrument :
 MSVOA_V
 ClientSampleId :
 EG1-TP2

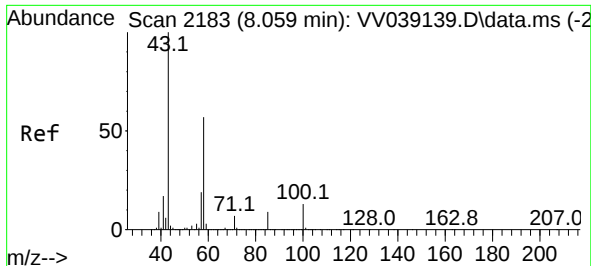
Tgt Ion: 76 Resp: 9968
 Ion Ratio Lower Upper
 76 100
 78 0.8 26.1 39.1#



#58
 2-Chloroethyl Vinyl ether
 Concen: 9.631 ug/l
 RT: 6.773 min Scan# 1783
 Delta R.T. -0.036 min
 Lab File: VV039275.D
 Acq: 06 Oct 2025 15:48

Tgt Ion: 63 Resp: 50
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.1 33.1#

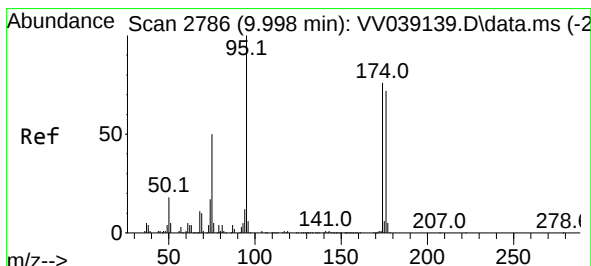
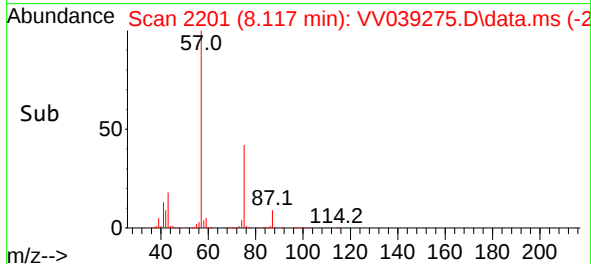
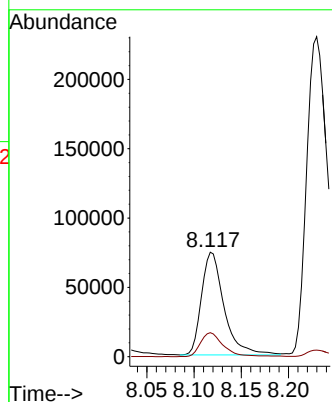
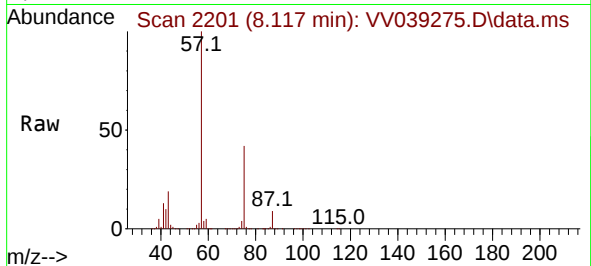




#59
2-Hexanone
Concen: 15.268 ug/l
RT: 8.117 min Scan# 2183
Delta R.T. 0.058 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

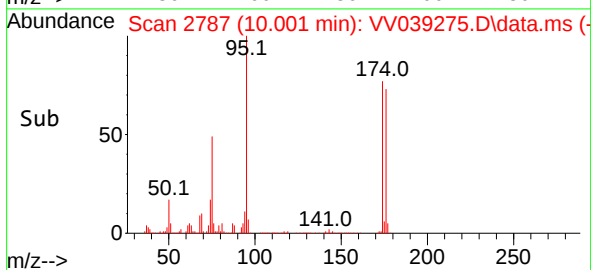
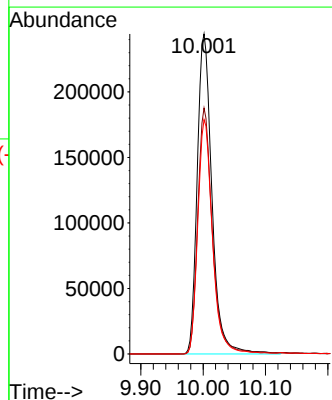
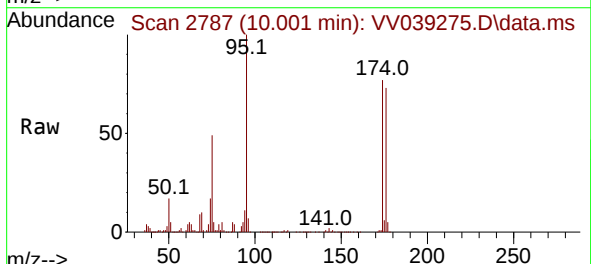
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP2

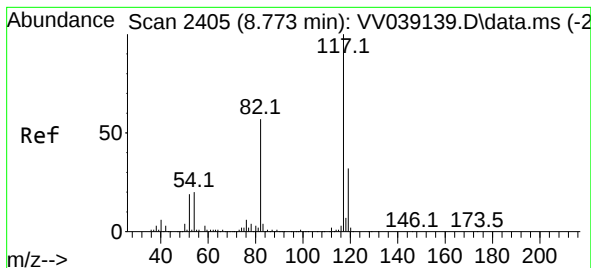
Tgt Ion: 43 Resp: 123004
Ion Ratio Lower Upper
43 100
58 24.1 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 46.874 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039275.D
Acq: 06 Oct 2025 15:48

Tgt Ion: 95 Resp: 401720
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.4
176 72.9 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 24

Delta R.T. 0.000 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

Instrument :

MSVOA_V

ClientSampleId :

EG1-TP2

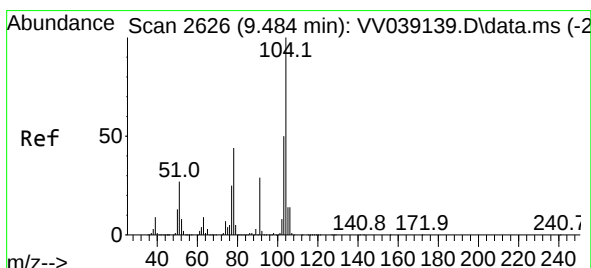
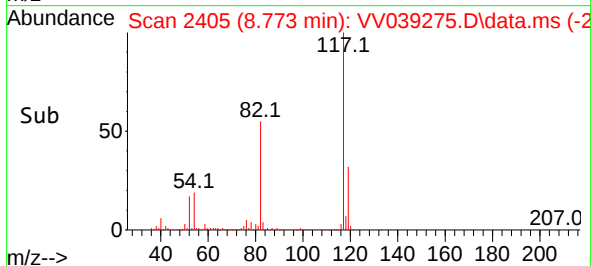
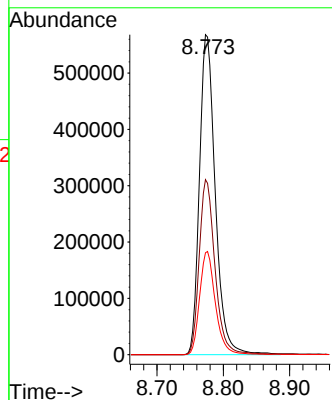
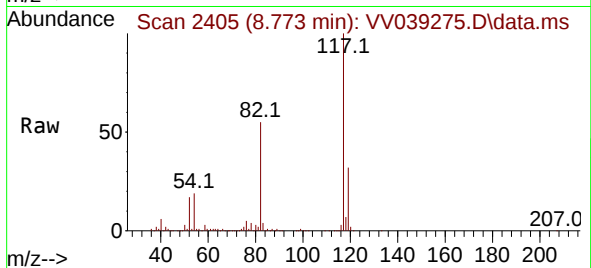
Tgt Ion:117 Resp: 945653

Ion Ratio Lower Upper

117 100

82 54.7 45.4 68.2

119 31.9 25.6 38.4



#70

Styrene

Concen: 1.562 ug/l

RT: 9.561 min Scan# 2650

Delta R.T. 0.077 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

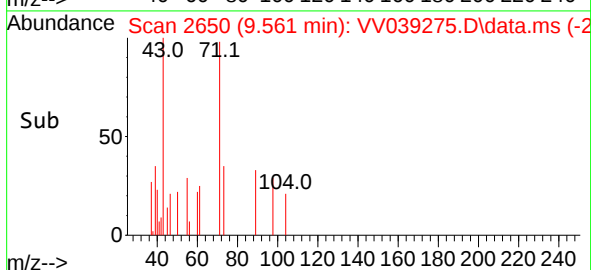
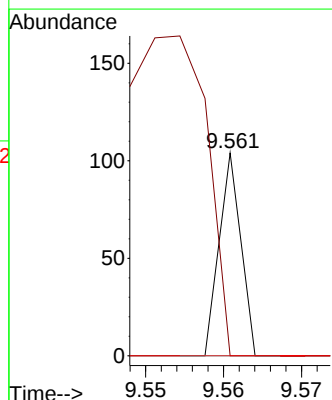
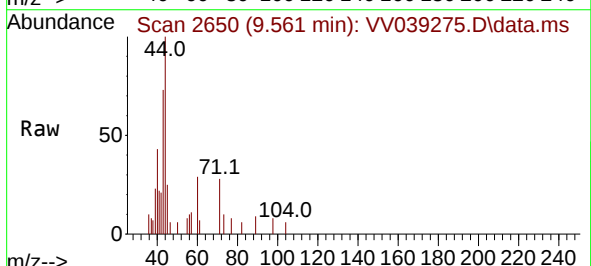
Tgt Ion:104 Resp: 20

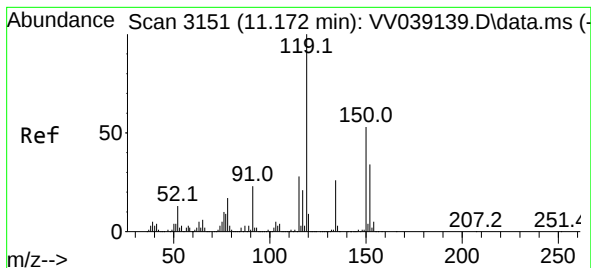
Ion Ratio Lower Upper

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: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

Instrument :

MSVOA_V

ClientSampleId :

EG1-TP2

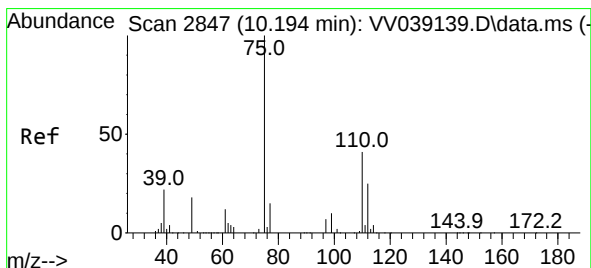
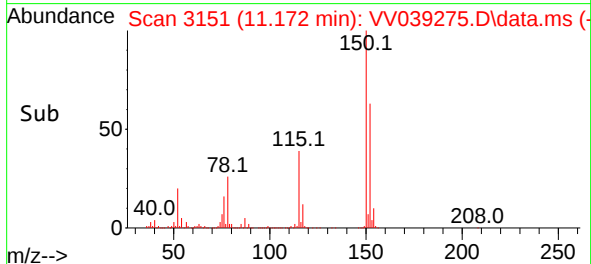
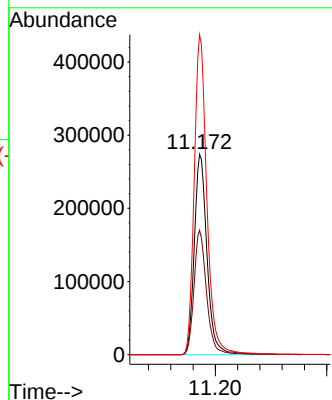
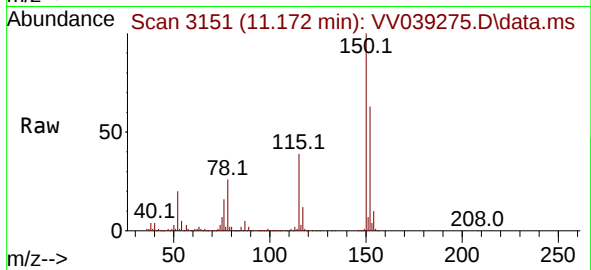
Tgt Ion:152 Resp: 434975

Ion Ratio Lower Upper

152 100

115 60.7 44.8 134.4

150 158.4 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 19.635 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.193 min

Lab File: VV039275.D

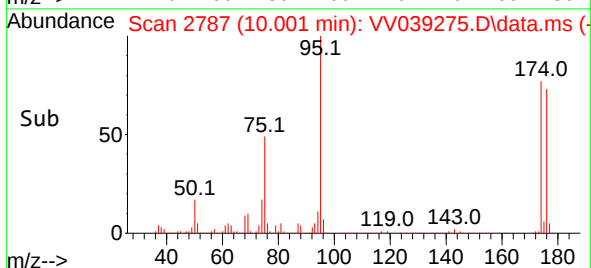
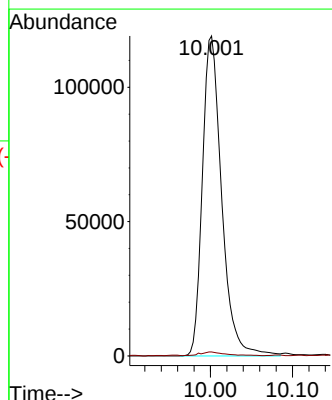
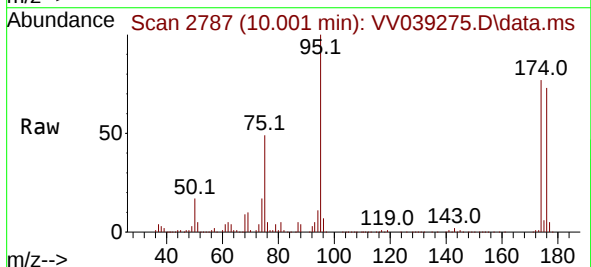
Acq: 06 Oct 2025 15:48

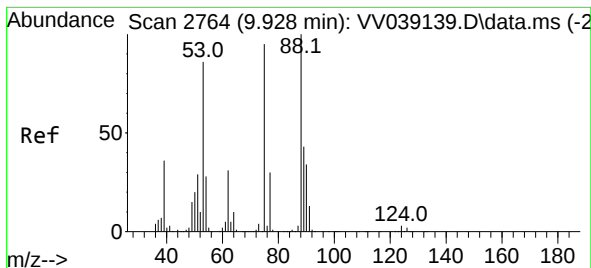
Tgt Ion: 75 Resp: 194457

Ion Ratio Lower Upper

75 100

77 1.5 11.3 33.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 47.137 ug/l

RT: 10.001 min Scan# 21

Delta R.T. 0.074 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

Instrument :

MSVOA_V

ClientSampleId :

EG1-TP2

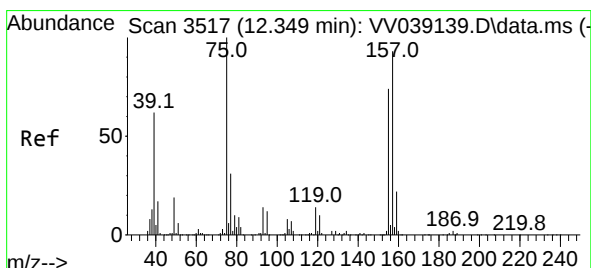
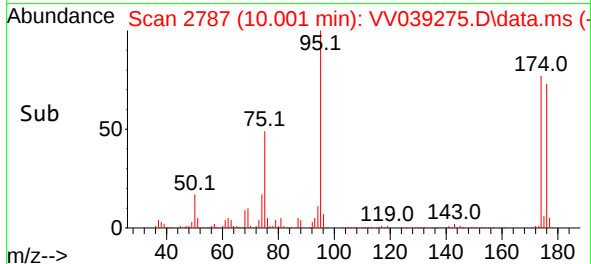
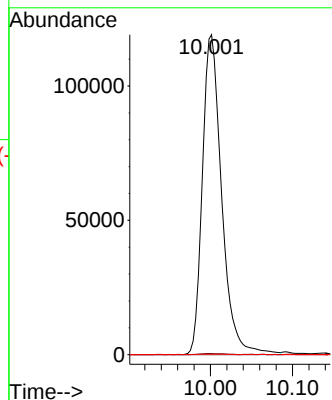
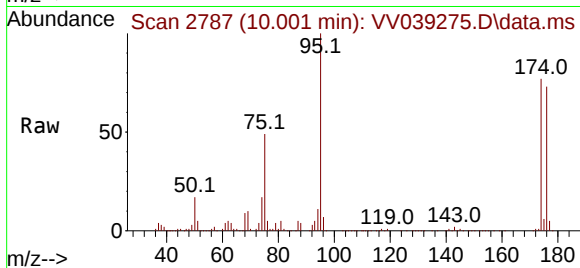
Tgt Ion: 75 Resp: 194457

Ion Ratio Lower Upper

75 100

53 0.5 72.5 108.7#

89 0.0 37.2 55.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 12.352 min Scan# 3518

Delta R.T. 0.003 min

Lab File: VV039275.D

Acq: 06 Oct 2025 15:48

Tgt Ion: 75 Resp: 46

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

157 0.0 49.5 148.3#

