

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100625\
 Data File : VV039274.D
 Acq On : 06 Oct 2025 15:26
 Operator : SY/MD
 Sample : Q3269-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EG1-TP1

Quant Time: Oct 07 03:36:06 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)

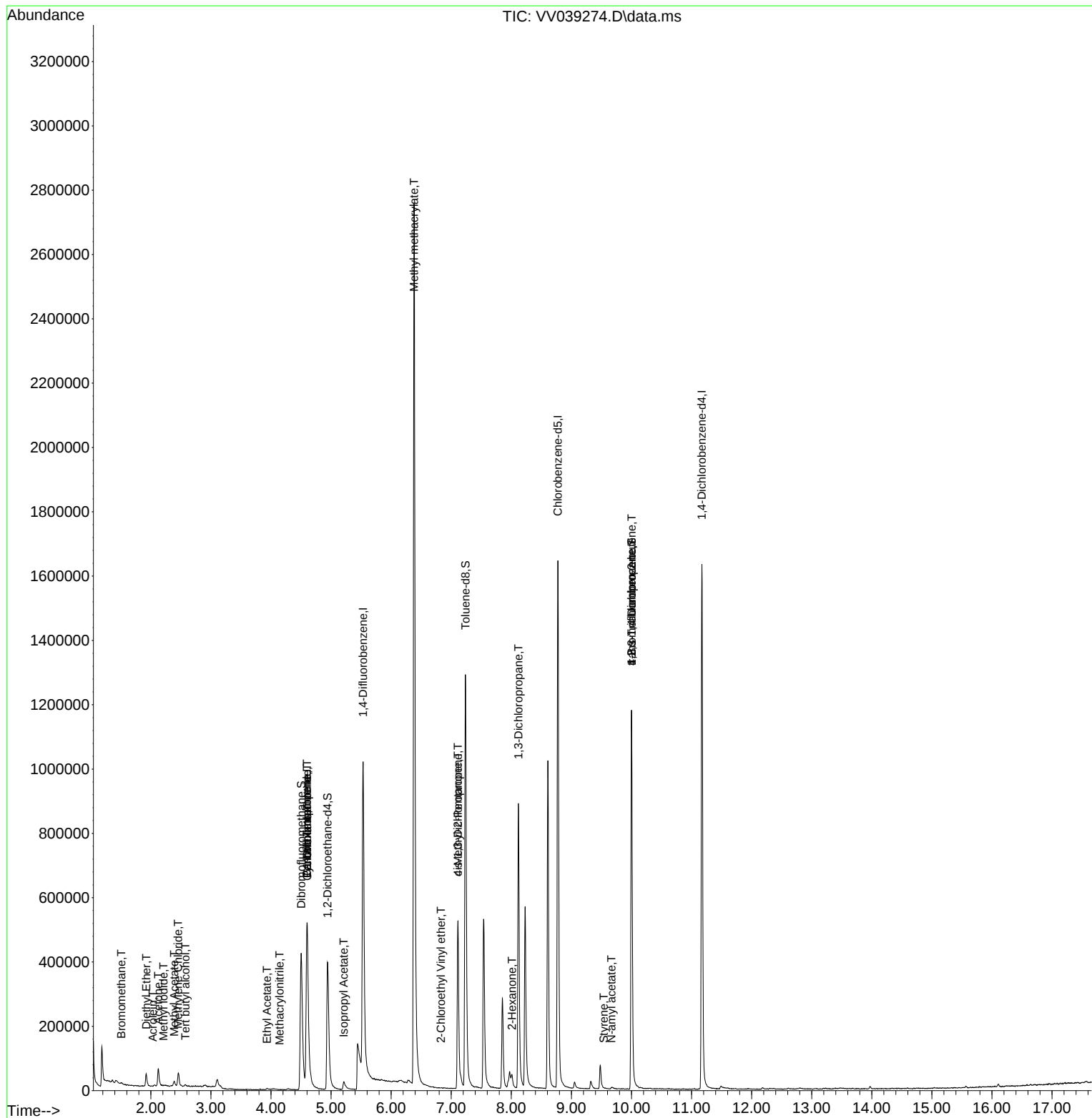
Internal Standards						
1) Pentafluorobenzene	4.600	168	449470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	873361	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	927806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	437681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	351938	54.101	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.200%			
35) Dibromofluoromethane	4.503	113	356766	50.813	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.620%			
50) Toluene-d8	7.236	98	932196	45.206	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 90.420%			
62) 4-Bromofluorobenzene	10.001	95	400735	47.206	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 94.420%			
Target Compounds						Qvalue
5) Bromomethane	1.510	94	1175	0.228	ug/l	82
6) Chloroethane	1.571	64	353	Below Cal	#	61
8) Diethyl Ether	1.925	74	15745	3.582	ug/l	89
10) Methyl Iodide	2.208	142	2020	0.301	ug/l #	88
11) Tert butyl alcohol	2.574	59	1901	1.383	ug/l #	84
13) Acrolein	2.031	56	136	0.570	ug/l #	1
16) Acetone	2.124	43	68127	11.854	ug/l	98
18) Methyl Acetate	2.388	43	21148	2.194	ug/l	94
20) Methylene Chloride	2.455	84	21483	1.151	ug/l #	88
31) Cyclohexane	4.603	56	9619	0.829	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	36531	3.441	ug/l #	47
37) Ethyl Acetate	3.934	43	5511	0.428	ug/l #	70
38) Carbon Tetrachloride	4.600	117	48606	3.747	ug/l #	18
41) Methacrylonitrile	4.143	41	128	1.932	ug/l #	26
43) Isopropyl Acetate	5.211	43	38012	2.164	ug/l	97
48) Methyl methacrylate	6.381	41	248531	31.218	ug/l #	38
51) 4-Methyl-2-Pentanone	7.111	43	200646	17.366	ug/l #	48
54) cis-1,3-Dichloropropene	7.111	75	101359	7.750	ug/l #	63
57) 1,3-Dichloropropane	8.117	76	10267	0.724	ug/l #	45
58) 2-Chloroethyl Vinyl ether	6.831	63	42	9.629	ug/l #	47
59) 2-Hexanone	8.011	43	30512	5.567	ug/l #	23
70) Styrene	9.542	104	183	1.568	ug/l #	34
74) N-amyl acetate	9.667	43	3226	0.255	ug/l #	46
76) 1,2,3-Trichloropropane	10.001	75	199292	19.999	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	199292	48.010	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.378	75	20	Below Cal	#	59

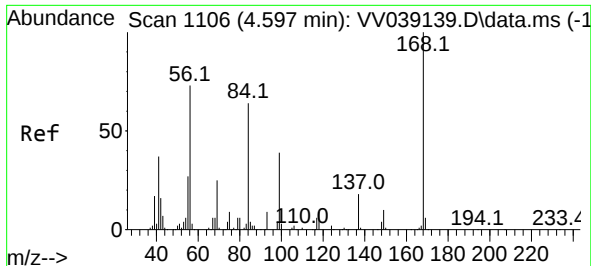
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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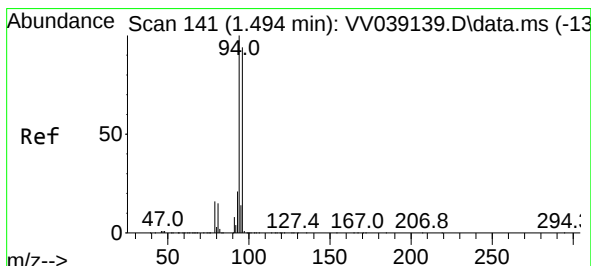
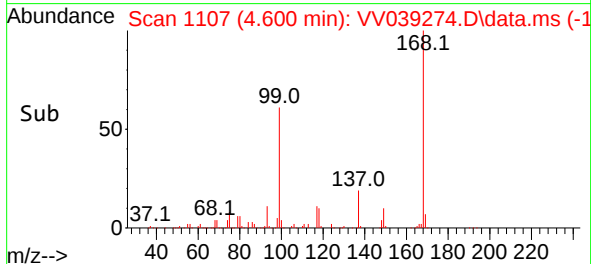
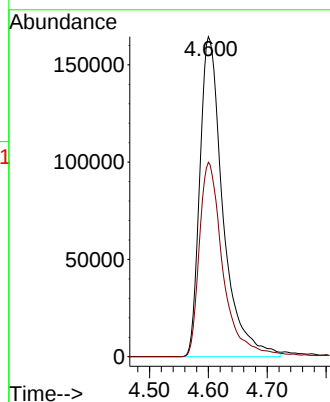
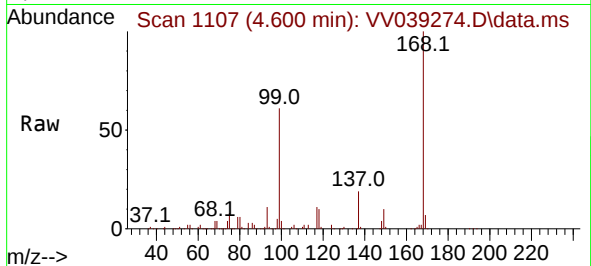




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

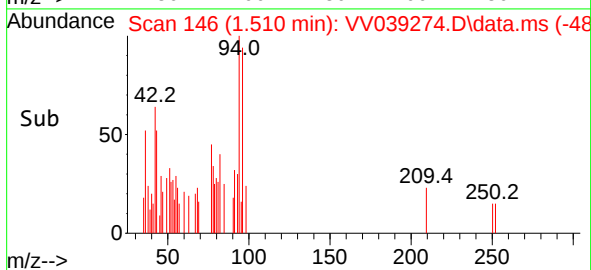
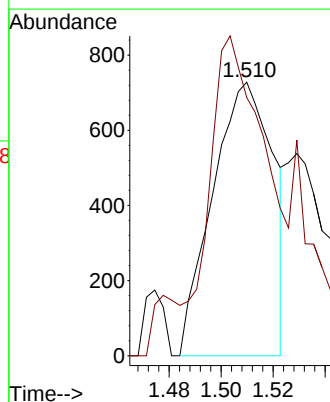
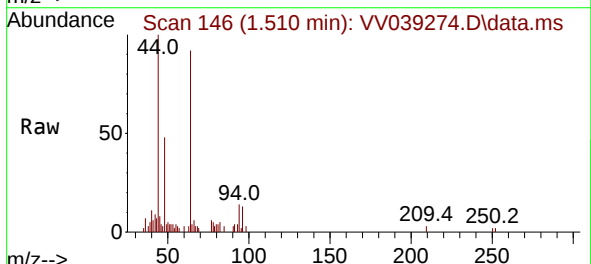
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

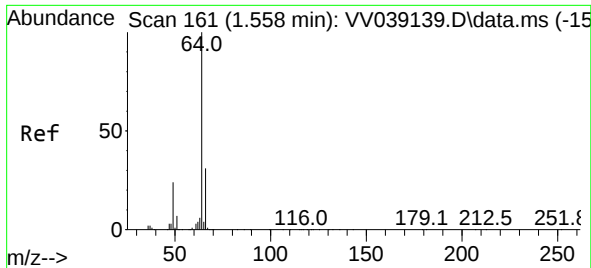
Tgt Ion:168 Resp: 449470
Ion Ratio Lower Upper
168 100
99 60.8 49.6 74.4



#5
Bromomethane
Concen: 0.228 ug/l
RT: 1.510 min Scan# 146
Delta R.T. 0.016 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 94 Resp: 1175
Ion Ratio Lower Upper
94 100
96 76.0 74.9 112.3

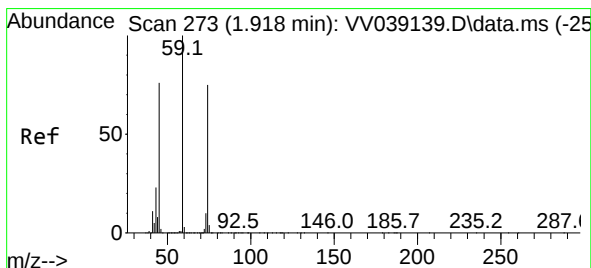
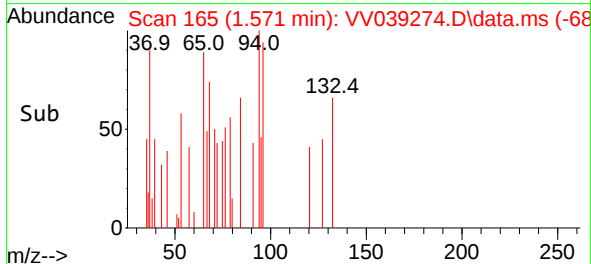
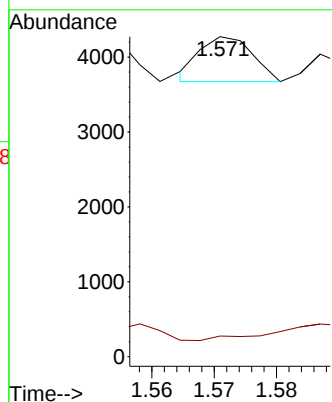
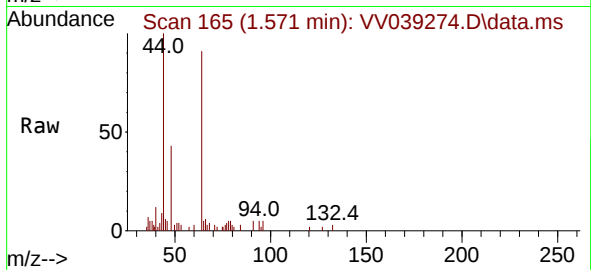




#6
Chloroethane
Concen: Below Cal
RT: 1.571 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

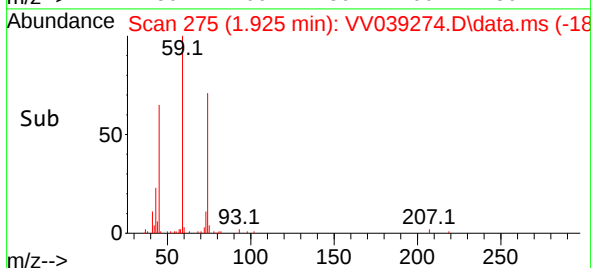
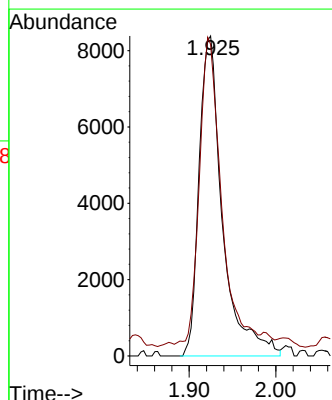
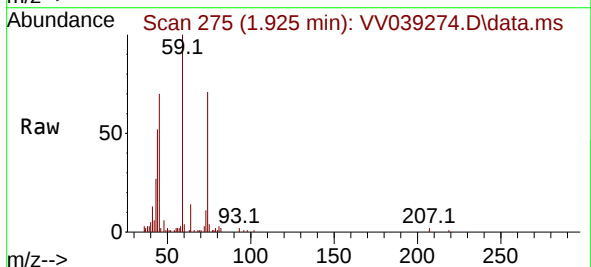
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

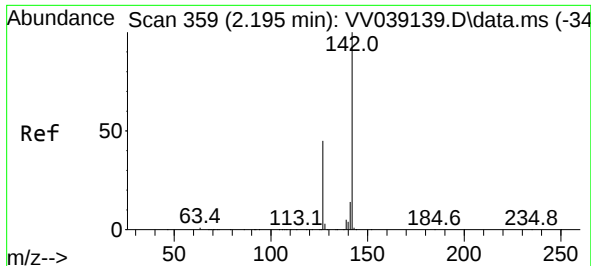
Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 9.3 24.6 36.8#



#8
Diethyl Ether
Concen: 3.582 ug/l
RT: 1.925 min Scan# 275
Delta R.T. 0.007 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 74 Resp: 15745
Ion Ratio Lower Upper
74 100
45 88.6 49.6 148.8

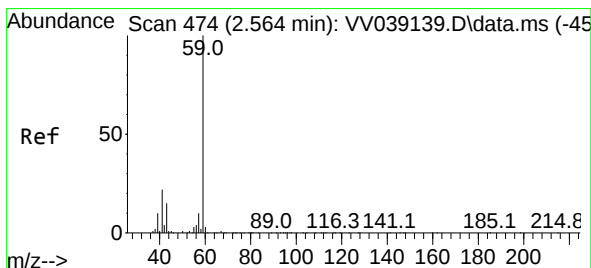
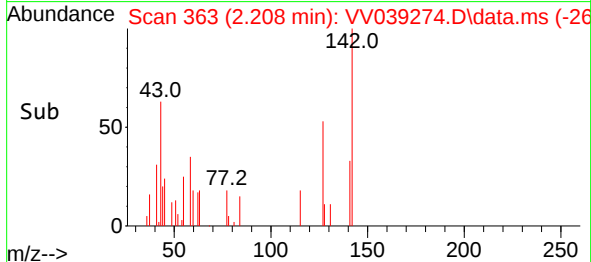
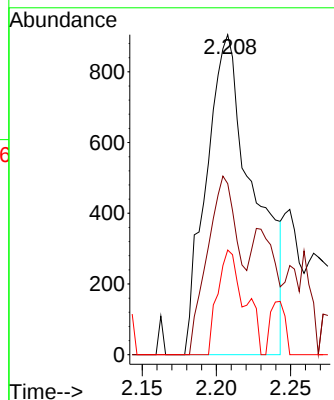
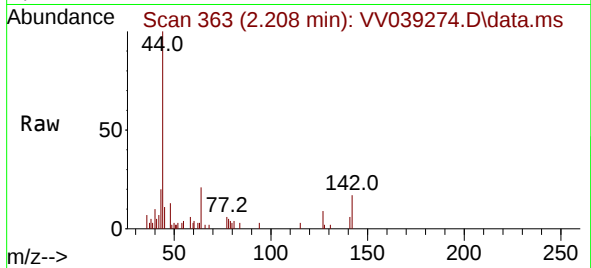




#10
Methyl Iodide
Concen: 0.301 ug/l
RT: 2.208 min Scan# 30
Delta R.T. 0.013 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

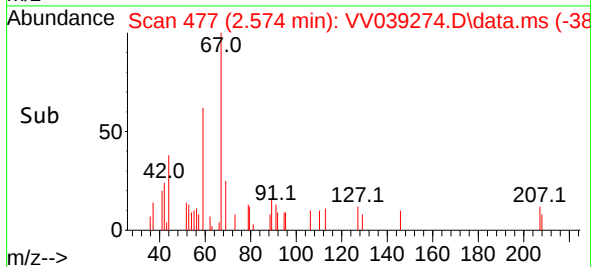
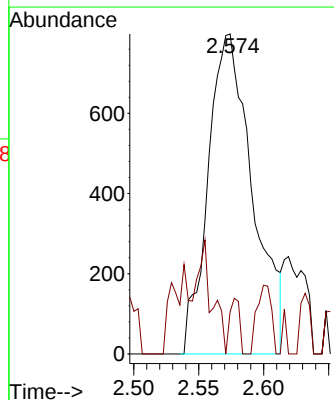
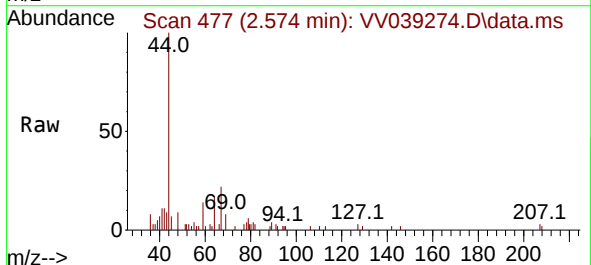
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

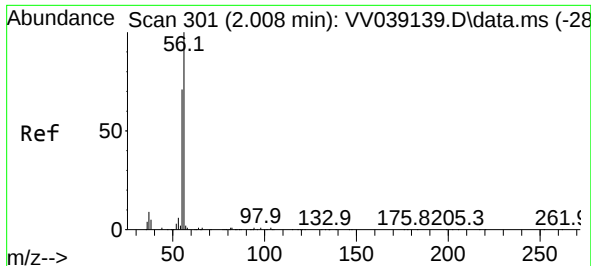
Tgt Ion:142 Resp: 2020
Ion Ratio Lower Upper
142 100
127 36.9 36.3 54.5
141 18.3 11.2 16.8#



#11
Tert butyl alcohol
Concen: 1.383 ug/l
RT: 2.574 min Scan# 477
Delta R.T. 0.010 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 59 Resp: 1901
Ion Ratio Lower Upper
59 100
57 3.8 7.8 11.8#

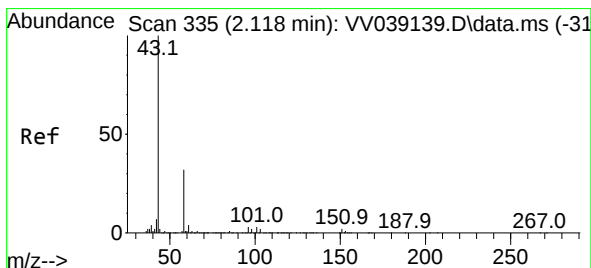
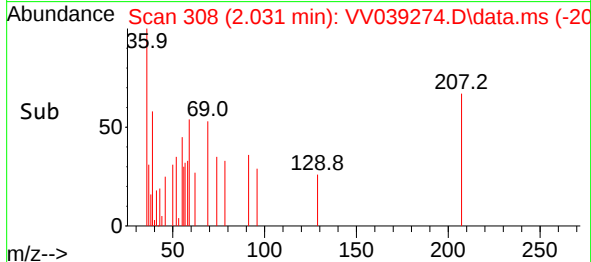
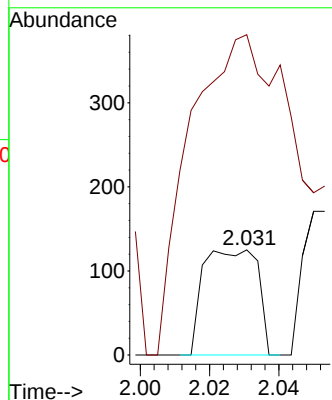
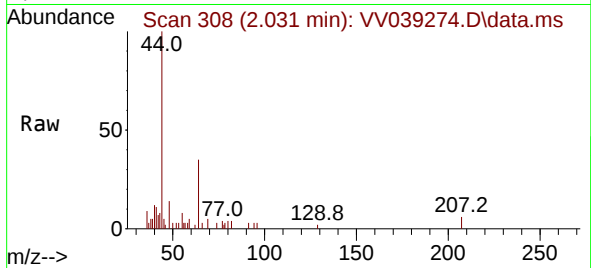




#13
Acrolein
Concen: 0.570 ug/l
RT: 2.031 min Scan# 301
Delta R.T. 0.023 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

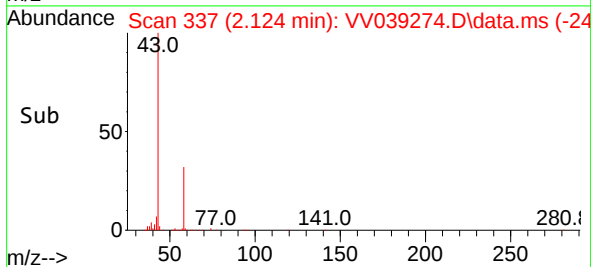
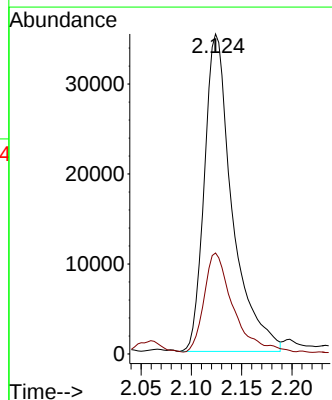
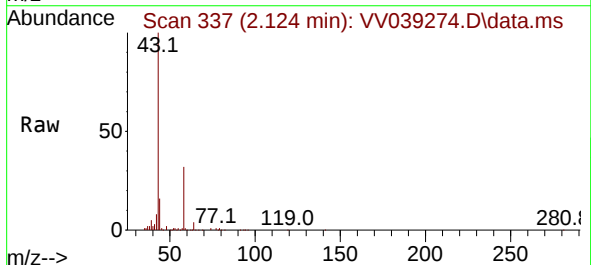
Instrument :
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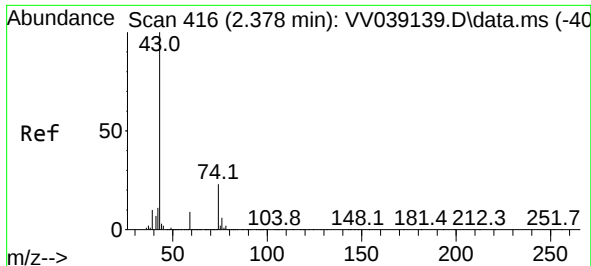
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 575.0 56.2 84.4#



#16
Acetone
Concen: 11.854 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 43 Resp: 68127
Ion Ratio Lower Upper
43 100
58 31.1 25.8 38.6

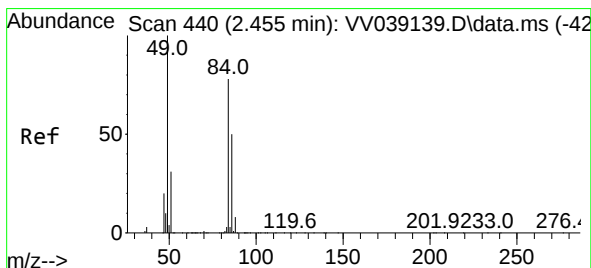
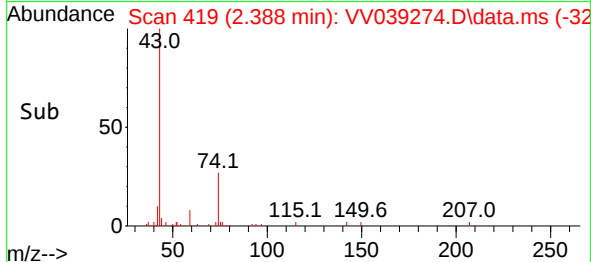
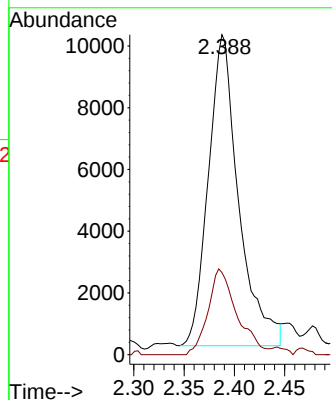
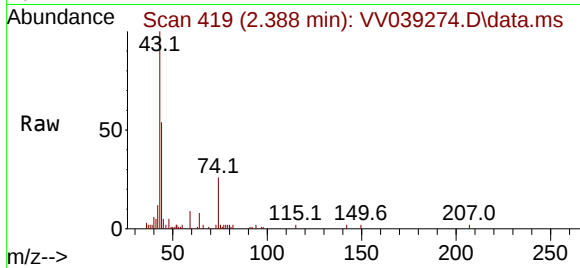




#18
Methyl Acetate
Concen: 2.194 ug/l
RT: 2.388 min Scan# 416
Delta R.T. 0.010 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

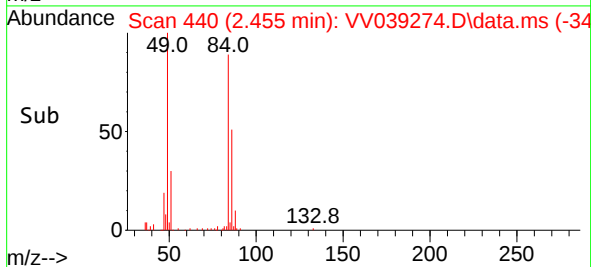
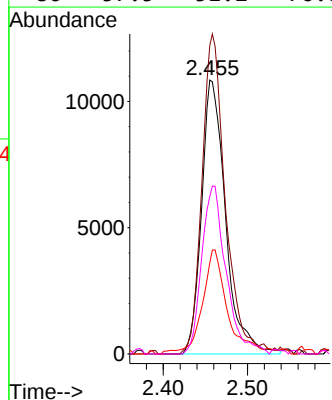
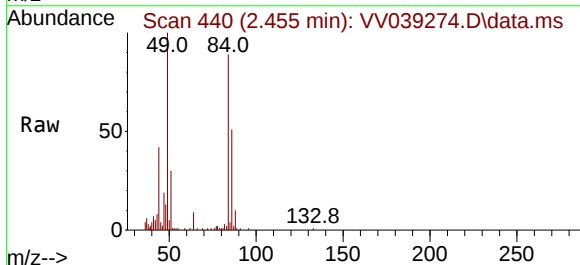
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ClientSampleId :
EG1-TP1

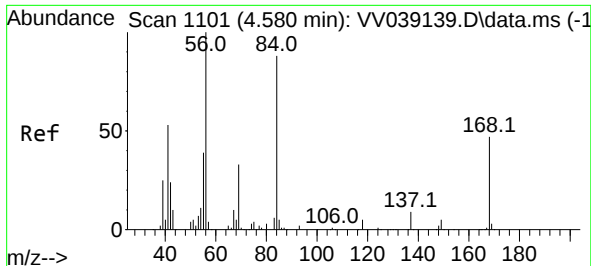
Tgt Ion: 43 Resp: 21148
Ion Ratio Lower Upper
43 100
74 26.2 18.6 27.8



#20
Methylene Chloride
Concen: 1.151 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 84 Resp: 21483
Ion Ratio Lower Upper
84 100
49 112.6 102.8 154.2
51 31.8 31.9 47.9#
86 57.5 51.2 76.8

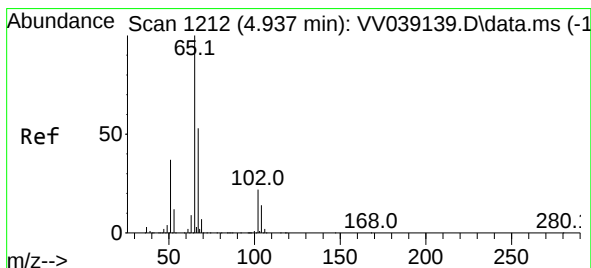
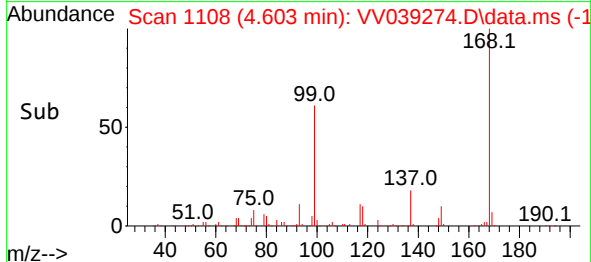
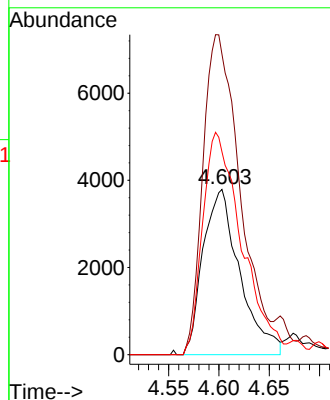
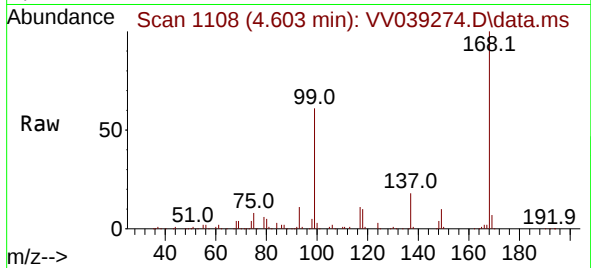




#31
Cyclohexane
Concen: 0.829 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.023 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

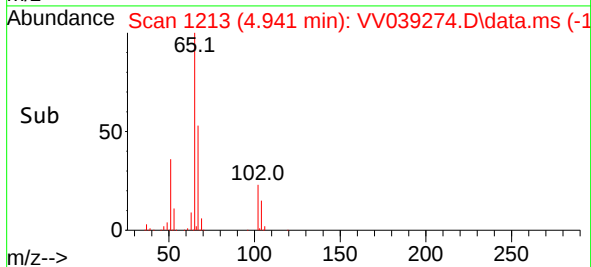
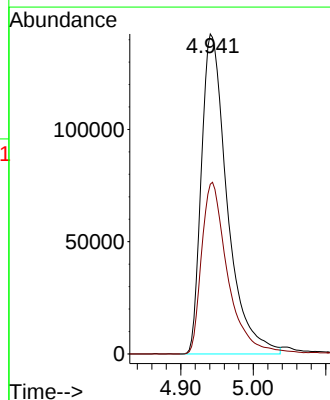
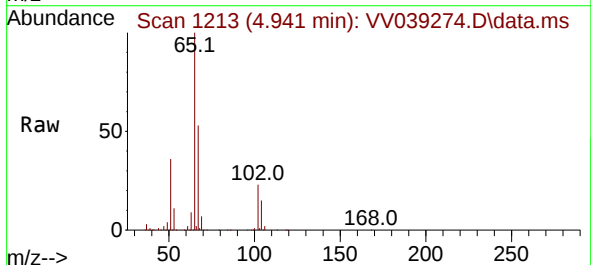
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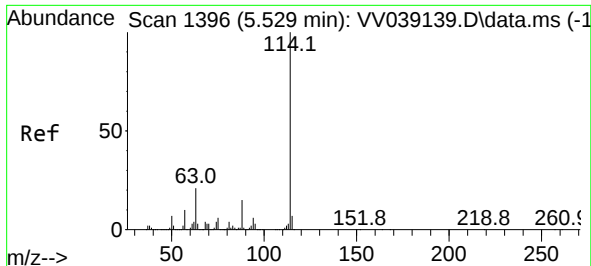
Tgt Ion: 56 Resp: 9619
Ion Ratio Lower Upper
56 100
69 181.7 26.2 39.2#
84 122.7 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 54.101 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 65 Resp: 351938
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.0

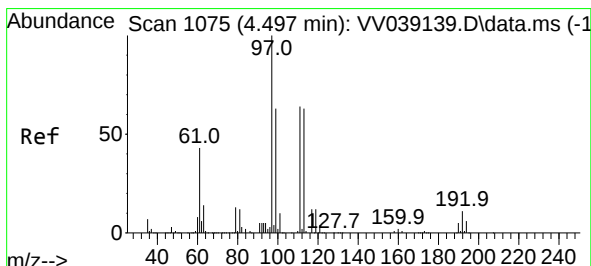
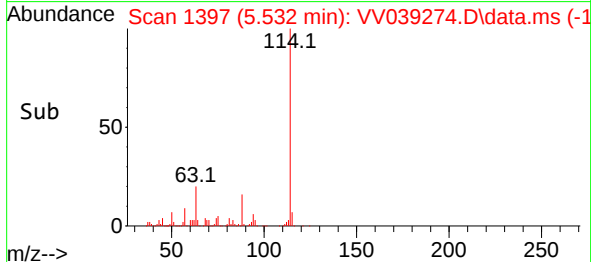
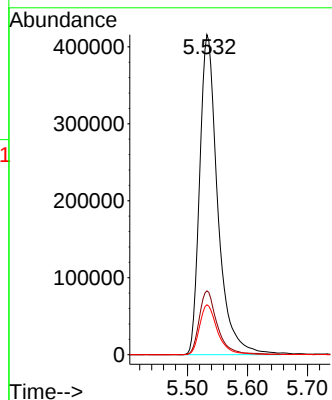
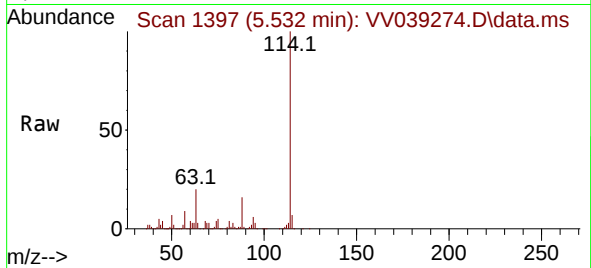




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

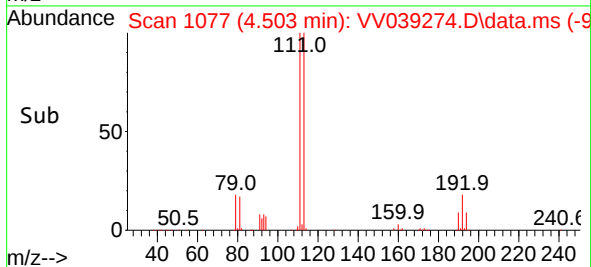
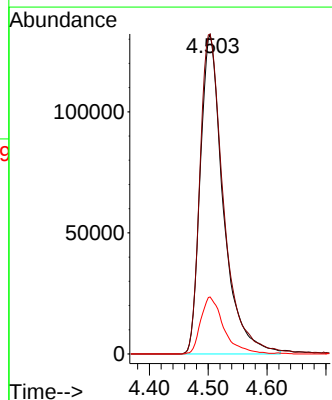
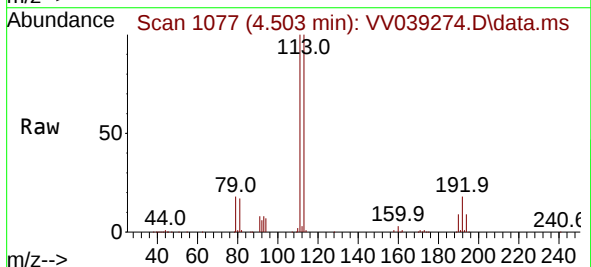
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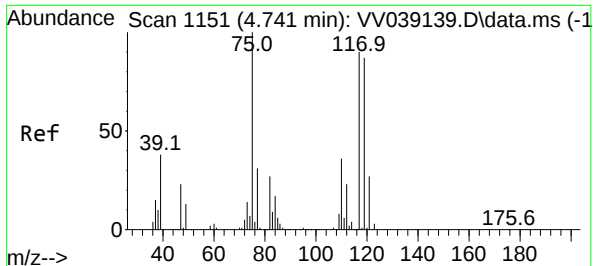
Tgt Ion:114 Resp: 873361
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.6
88 15.6 0.0 30.8



#35
Dibromofluoromethane
Concen: 50.813 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion:113 Resp: 356766
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 18.0 13.8 20.8





#36

1,1-Dichloropropene

Concen: 3.441 ug/l

RT: 4.600 min Scan# 1151

Delta R.T. -0.141 min

Lab File: VV039274.D

Acq: 06 Oct 2025 15:26

Instrument :

MSVOA_V

ClientSampleId :

EG1-TP1

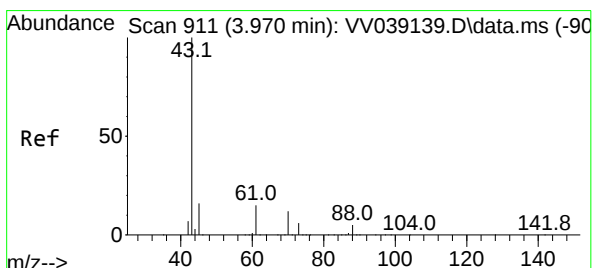
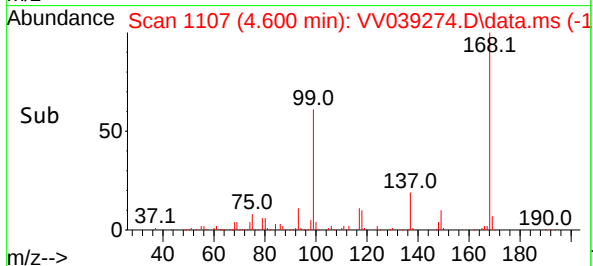
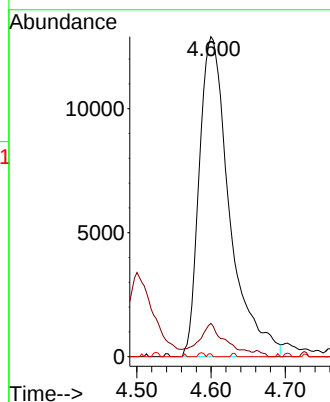
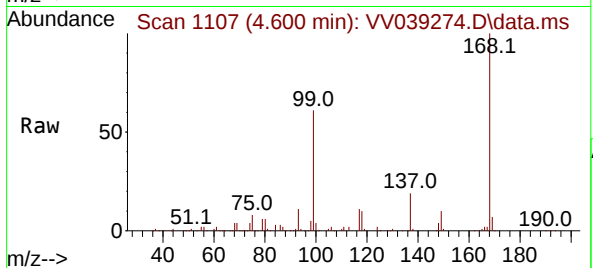
Tgt Ion: 75 Resp: 36531

Ion Ratio Lower Upper

75 100

110 7.0 18.1 54.1#

77 0.1 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.428 ug/l

RT: 3.934 min Scan# 900

Delta R.T. -0.036 min

Lab File: VV039274.D

Acq: 06 Oct 2025 15:26

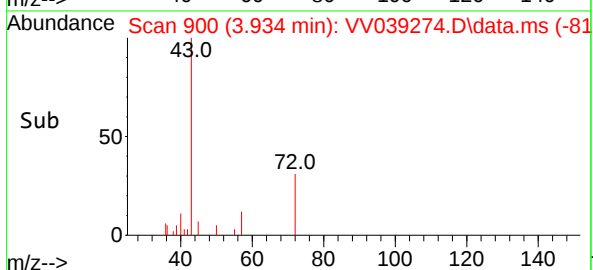
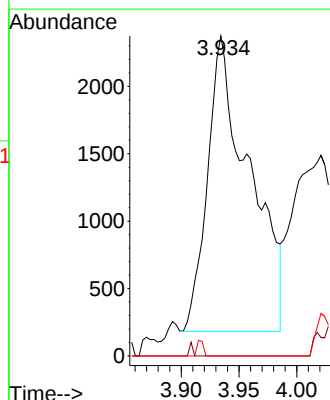
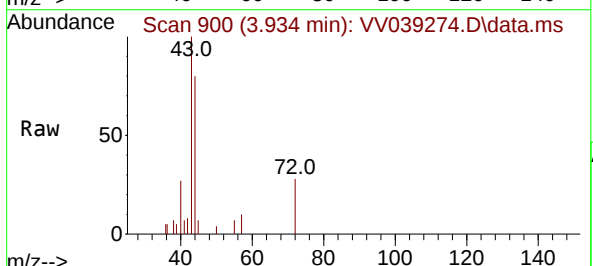
Tgt Ion: 43 Resp: 5511

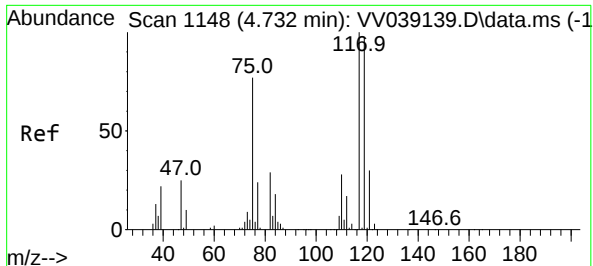
Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 8.0 12.0#

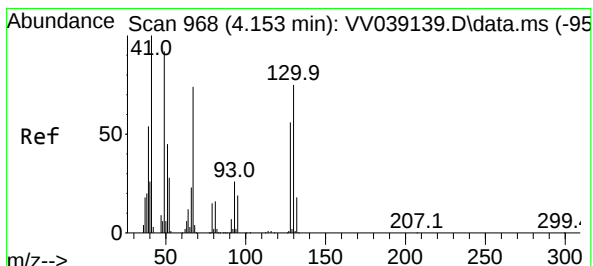
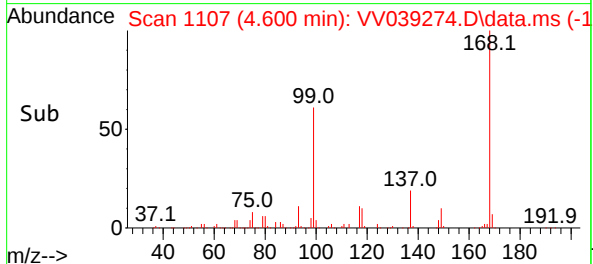
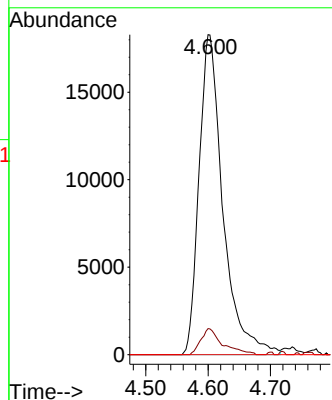
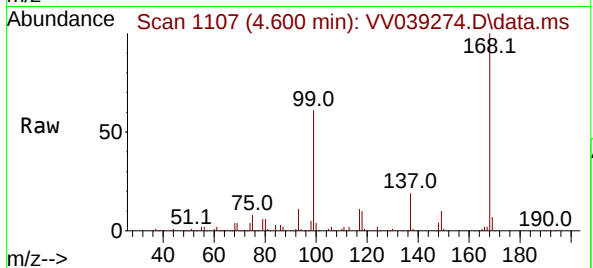




#38
Carbon Tetrachloride
Concen: 3.747 ug/l
RT: 4.600 min Scan# 1148
Delta R.T. -0.132 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

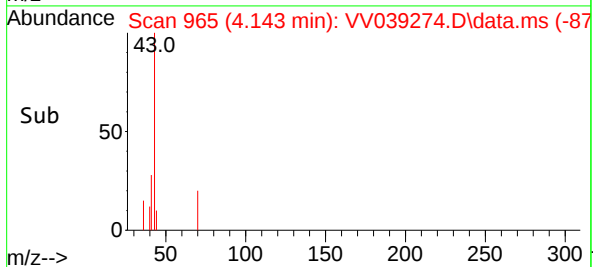
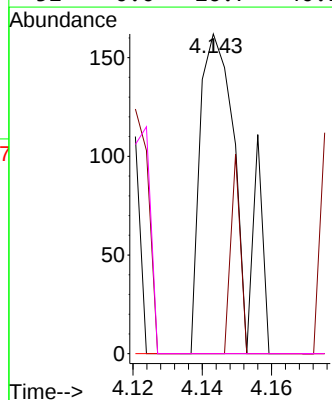
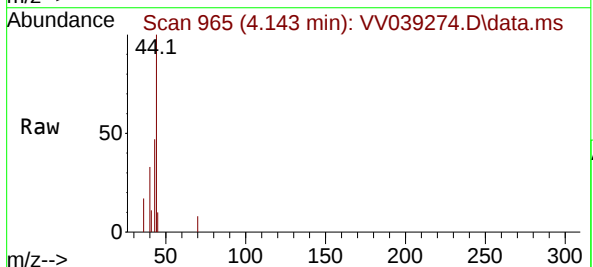
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

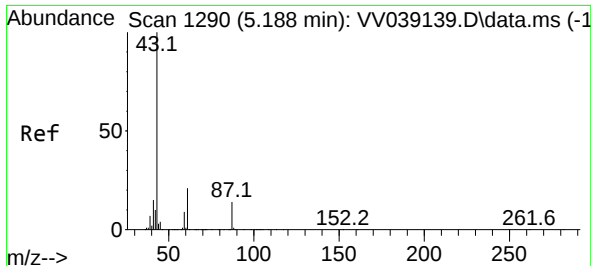
Tgt Ion:117 Resp: 48606
Ion Ratio Lower Upper
117 100
119 8.2 77.2 115.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.932 ug/l
RT: 4.143 min Scan# 965
Delta R.T. -0.010 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 41 Resp: 128
Ion Ratio Lower Upper
41 100
39 14.8 42.2 63.2#
67 0.0 67.9 101.9#
52 0.0 26.7 40.1#

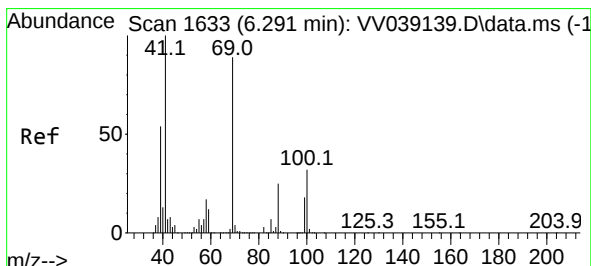
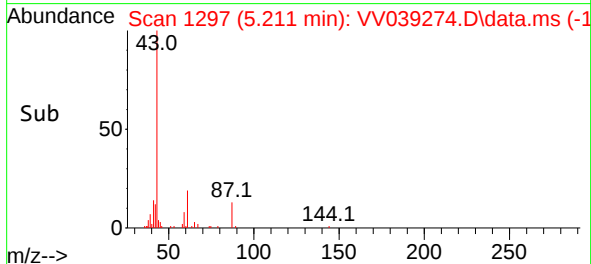
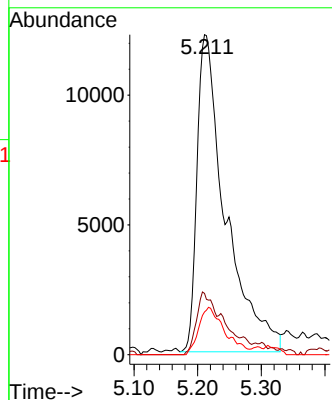
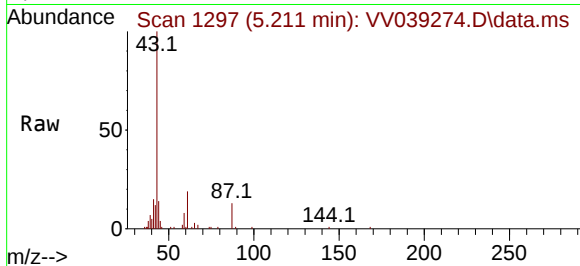




#43
Isopropyl Acetate
Concen: 2.164 ug/l
RT: 5.211 min Scan# 11
Delta R.T. 0.023 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

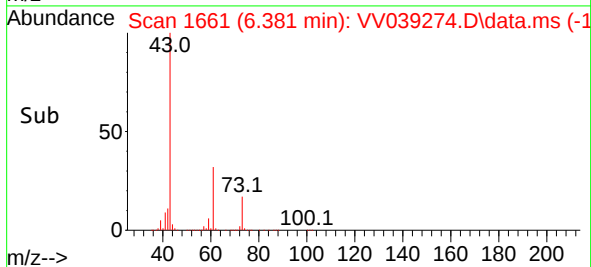
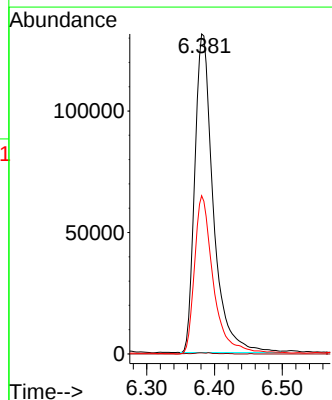
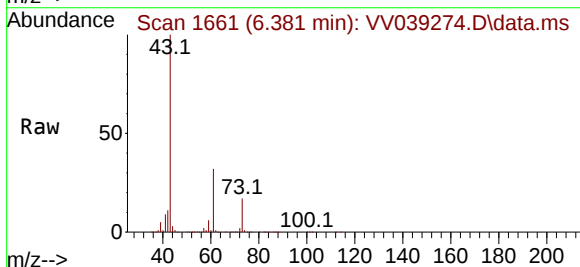
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

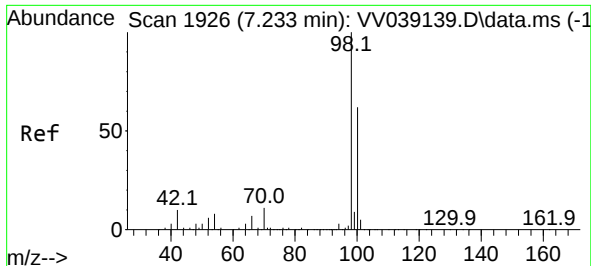
Tgt Ion:	43	Resp:	38012
Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.9	23.9
87	13.7	11.0	16.6



#48
Methyl methacrylate
Concen: 31.218 ug/l
RT: 6.381 min Scan# 1661
Delta R.T. 0.090 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion:	41	Resp:	248531
Ion	Ratio	Lower	Upper
41	100		
69	0.1	72.4	108.6#
39	50.6	42.5	63.7





#50

Toluene-d8

Concen: 45.206 ug/l

RT: 7.236 min Scan# 1926

Delta R.T. 0.003 min

Lab File: VV039274.D

Acq: 06 Oct 2025 15:26

Instrument :

MSVOA_V

ClientSampleId :

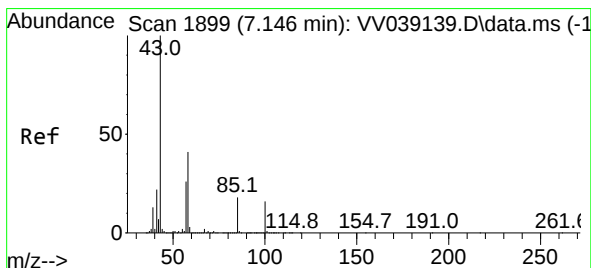
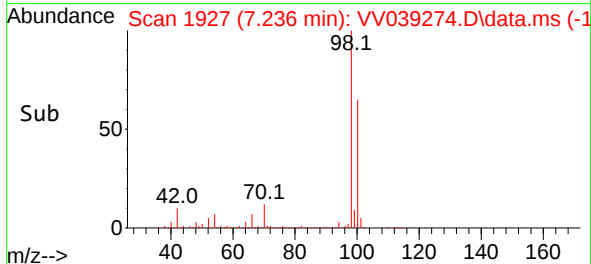
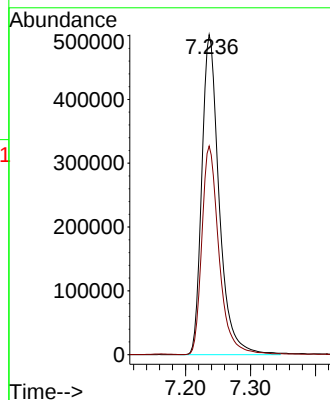
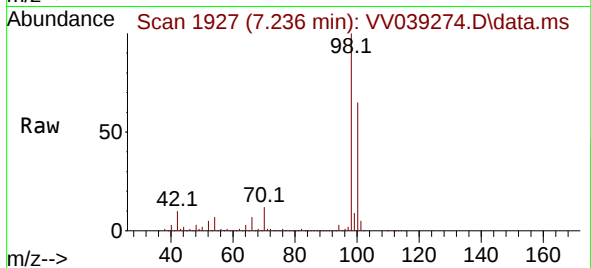
EG1-TP1

Tgt Ion: 98 Resp: 932196

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 17.366 ug/l

RT: 7.111 min Scan# 1888

Delta R.T. -0.035 min

Lab File: VV039274.D

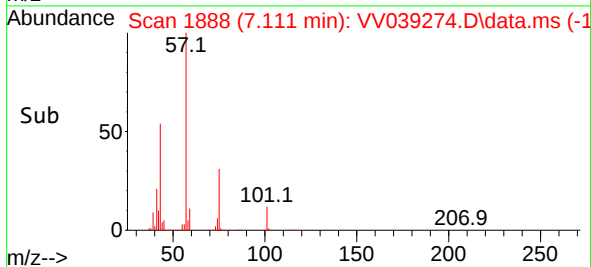
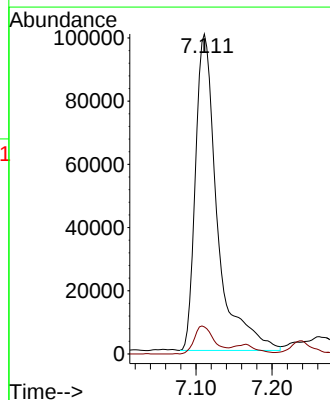
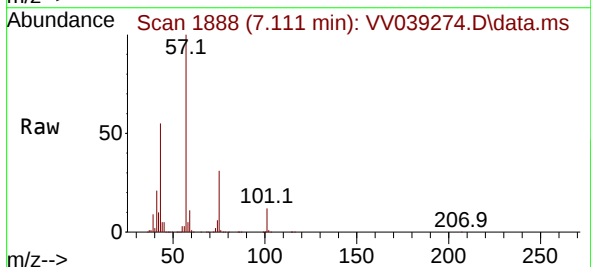
Acq: 06 Oct 2025 15:26

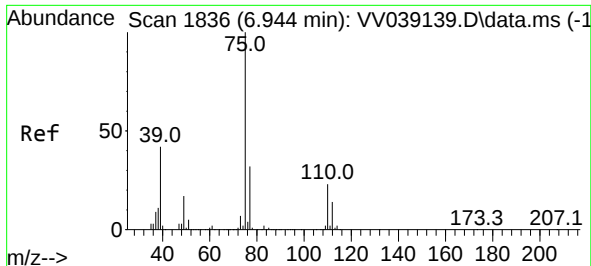
Tgt Ion: 43 Resp: 200646

Ion Ratio Lower Upper

43 100

58 8.1 32.3 48.5#

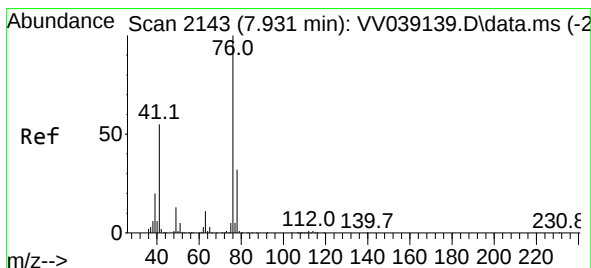
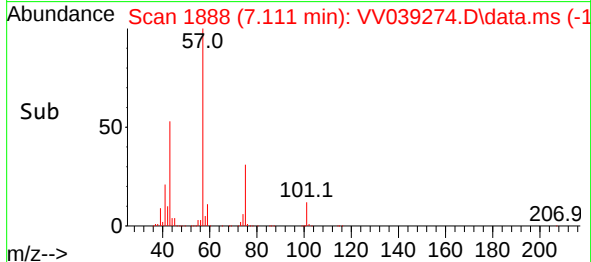
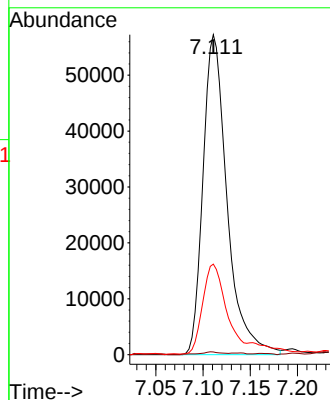
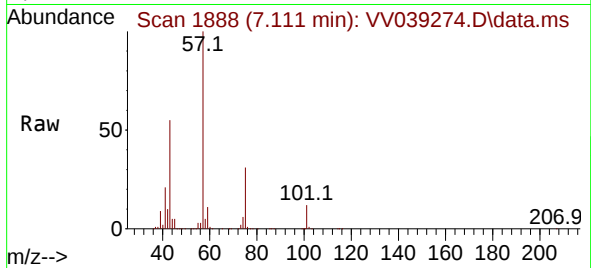




#54
cis-1,3-Dichloropropene
Concen: 7.750 ug/l
RT: 7.111 min Scan# 11
Delta R.T. 0.167 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

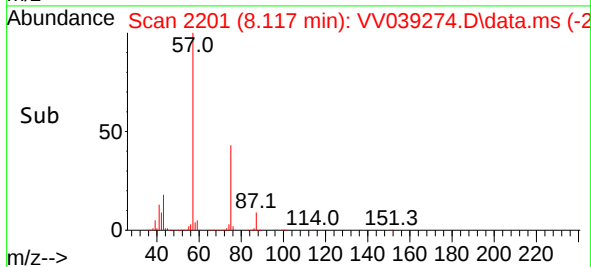
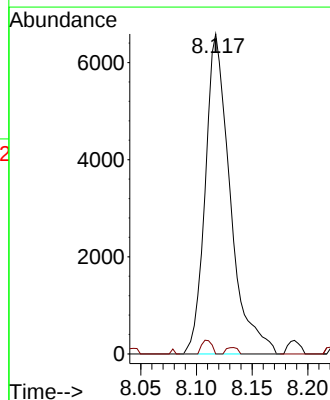
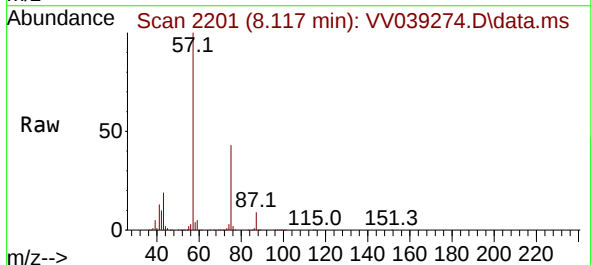
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

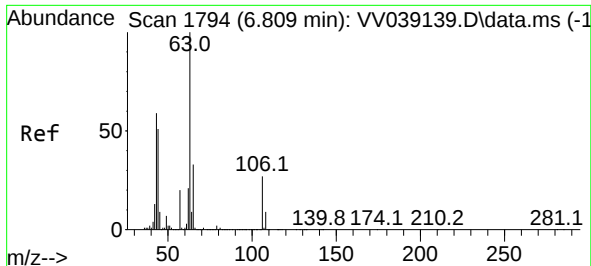
Tgt Ion:	75	Resp:	101359
Ion Ratio	Lower	Upper	
75	100		
77	0.9	25.5	38.3#
39	28.1	33.8	50.6#



#57
1,3-Dichloropropane
Concen: 0.724 ug/l
RT: 8.117 min Scan# 2201
Delta R.T. 0.186 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion:	76	Resp:	10267
Ion Ratio	Lower	Upper	
76	100		
78	1.7	26.1	39.1#

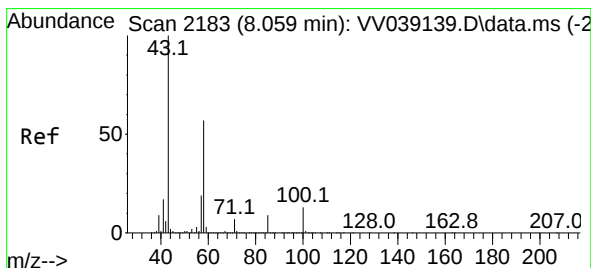
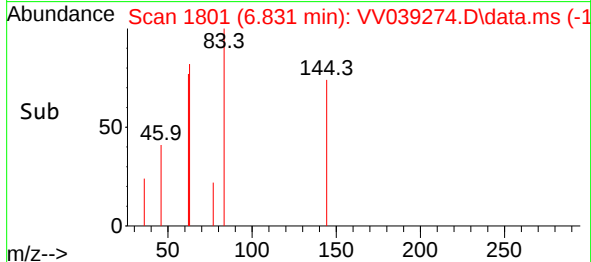
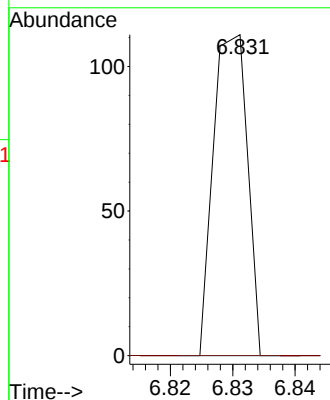
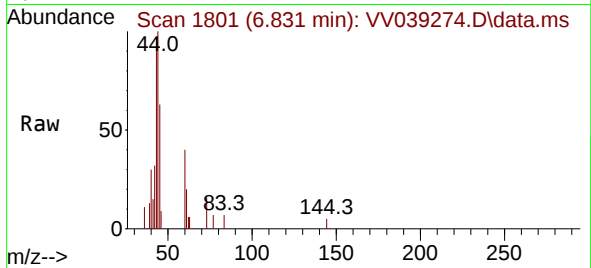




#58
2-Chloroethyl Vinyl ether
Concen: 9.629 ug/l
RT: 6.831 min Scan# 11
Delta R.T. 0.022 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

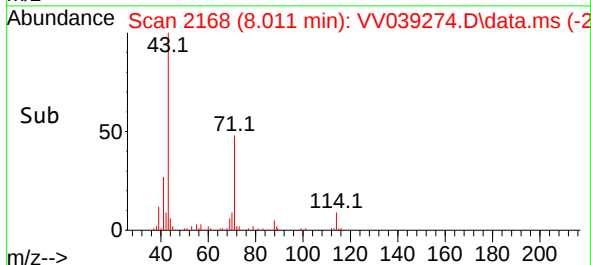
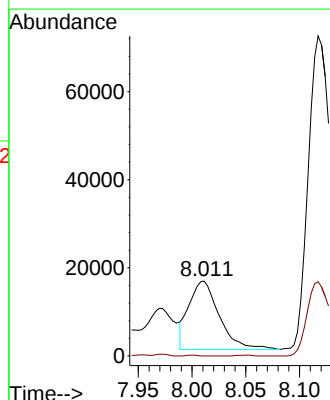
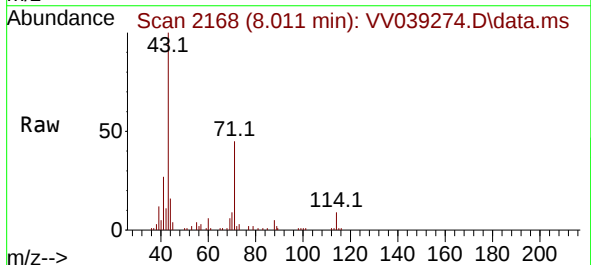
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

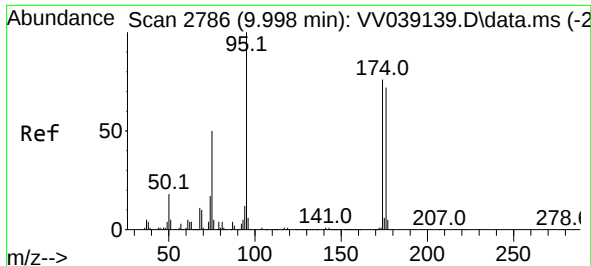
Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 5.567 ug/l
RT: 8.011 min Scan# 2168
Delta R.T. -0.048 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 43 Resp: 30512
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#

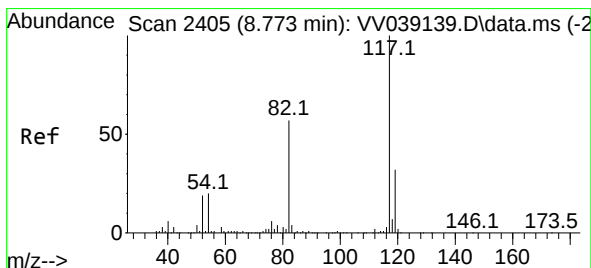
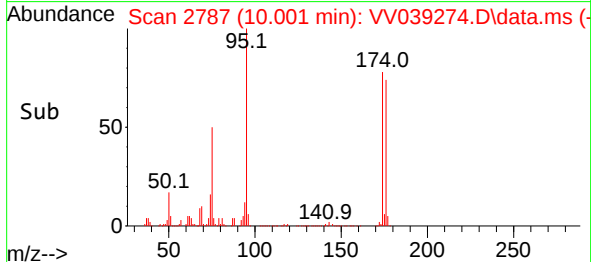
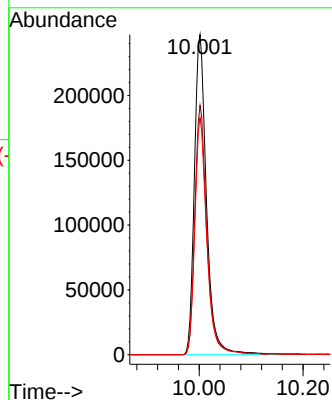
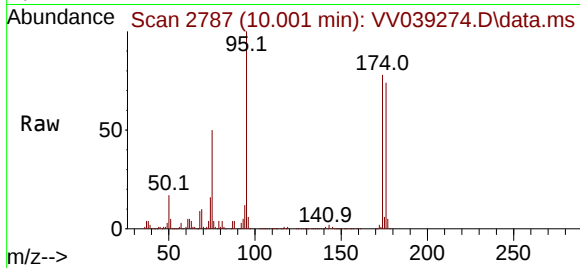




#62
4-Bromofluorobenzene
Concen: 47.206 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

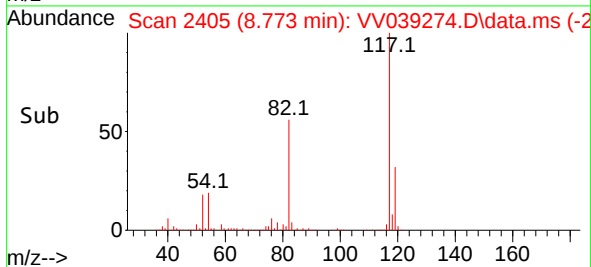
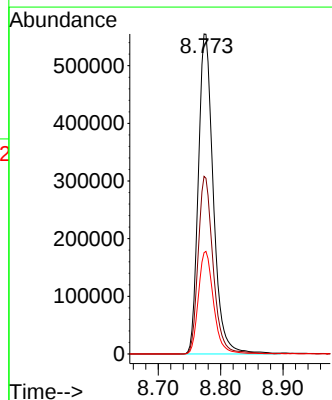
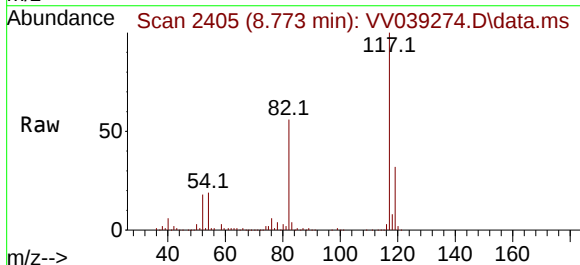
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

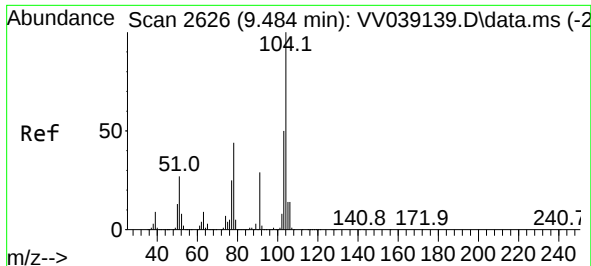
Tgt Ion: 95 Resp: 400735
Ion Ratio Lower Upper
95 100
174 77.2 0.0 150.4
176 72.6 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 117 Resp: 927806
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.2
119 31.7 25.6 38.4

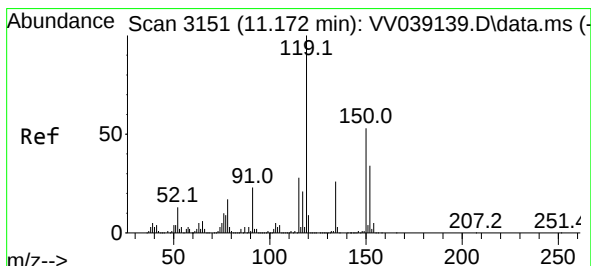
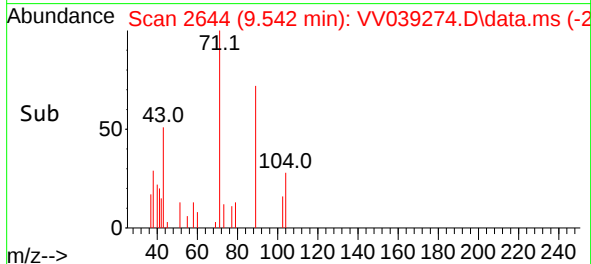
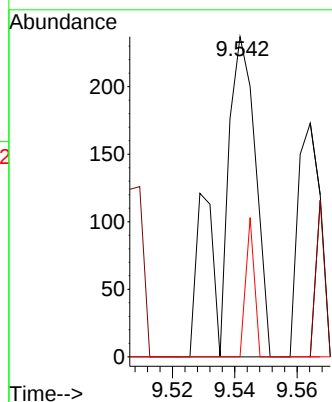
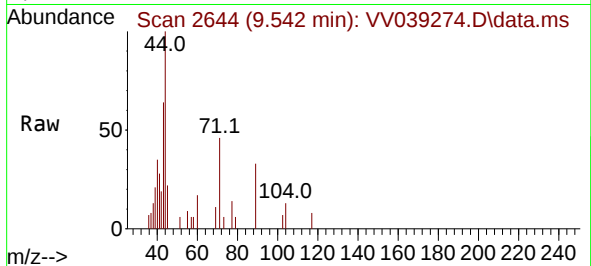




#70
Styrene
Concen: 1.568 ug/l
RT: 9.542 min Scan# 20
Delta R.T. 0.058 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

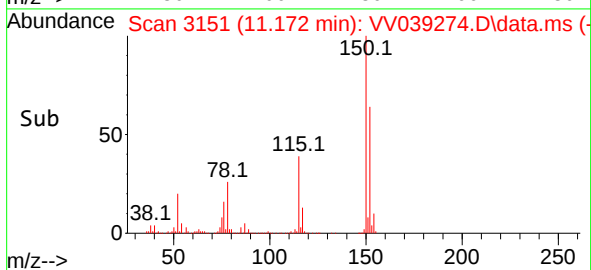
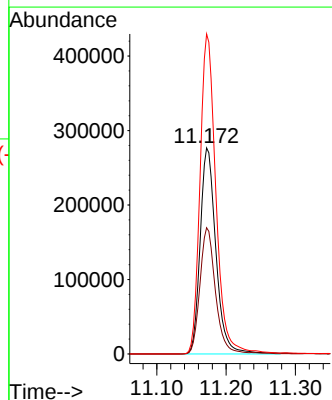
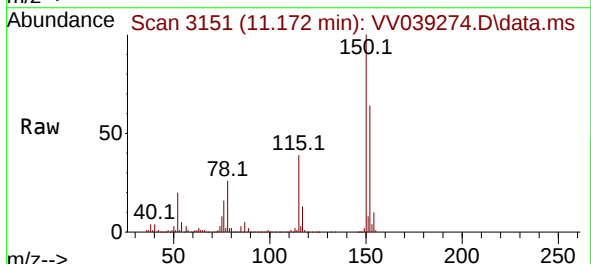
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

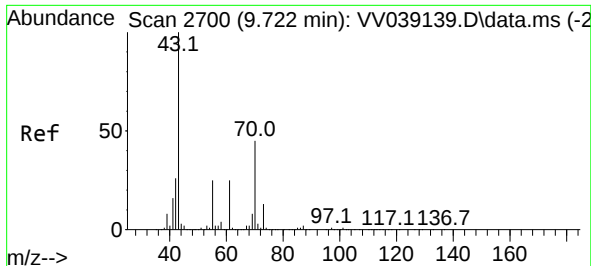
Tgt Ion:104 Resp: 183
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.6#
103 10.9 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion:152 Resp: 437681
Ion Ratio Lower Upper
152 100
115 60.8 44.8 134.4
150 156.4 0.0 353.8

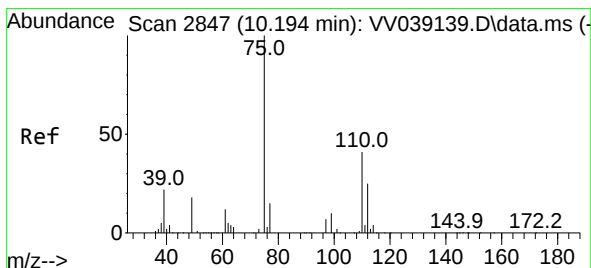
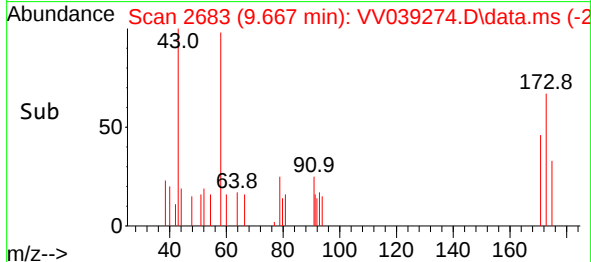
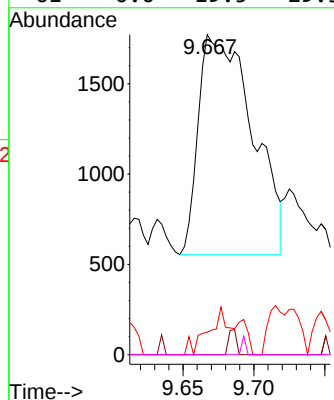
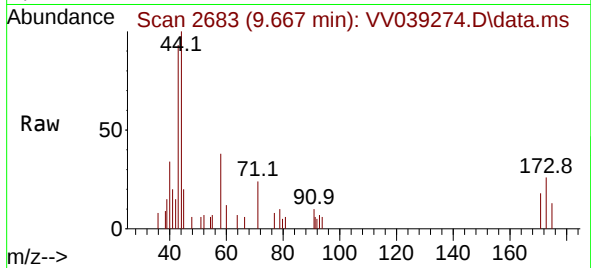




#74
N-amy1 acetate
Concen: 0.255 ug/l
RT: 9.667 min Scan# 21
Delta R.T. -0.055 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

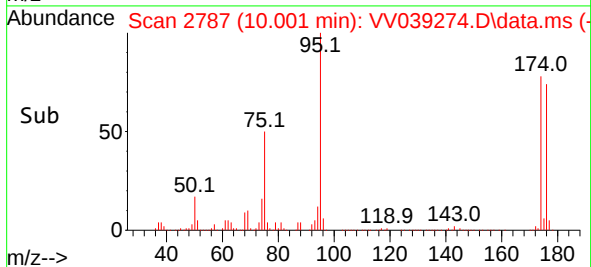
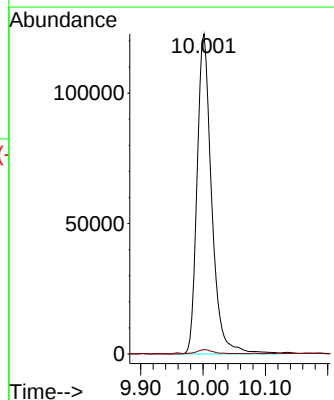
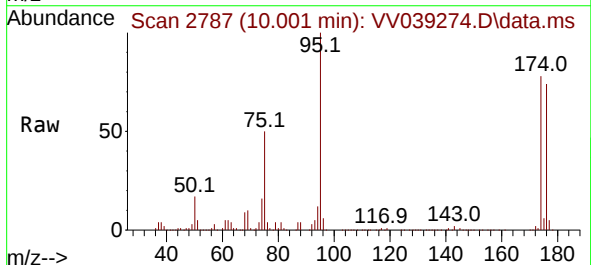
Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

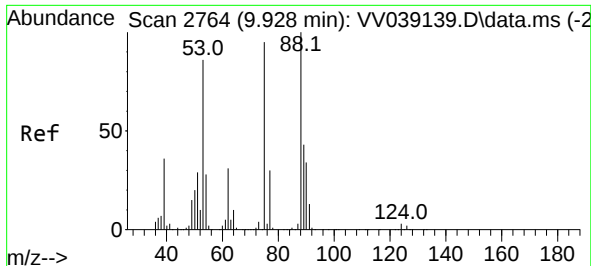
Tgt Ion: 43	Resp: 3226
Ion Ratio	Lower Upper
43 100	
70 0.0	35.4 53.0#
55 8.6	20.6 30.8#
61 0.0	19.5 29.3#



#76
1,2,3-Trichloropropane
Concen: 19.999 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.193 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 75	Resp: 199292
Ion Ratio	Lower Upper
75 100	
77 1.3	11.3 33.8#

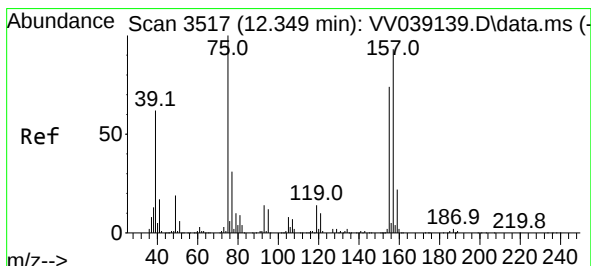
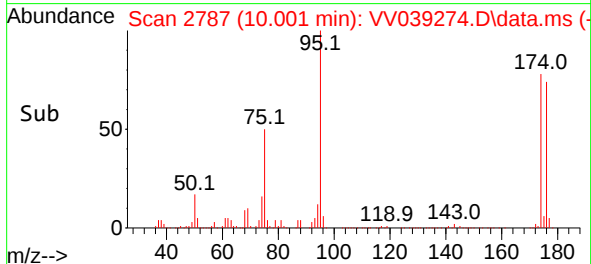
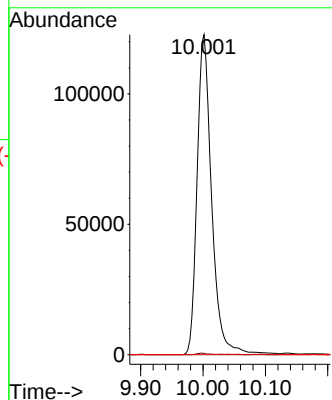
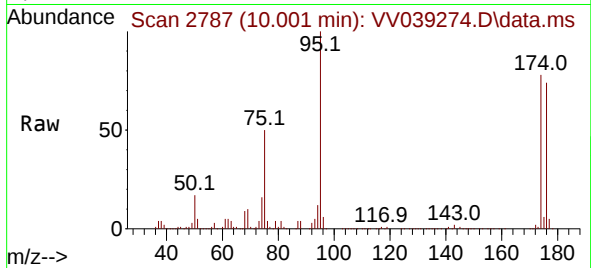




#81
trans-1,4-Dichloro-2-butene
Concen: 48.010 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Instrument :
MSVOA_V
ClientSampleId :
EG1-TP1

Tgt Ion: 75 Resp: 199292
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: 12.378 min Scan# 3526
Delta R.T. 0.029 min
Lab File: VV039274.D
Acq: 06 Oct 2025 15:26

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 38.6 115.8#
157 95.0 49.5 148.3

