

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039157.D
 Acq On : 24 Sep 2025 17:00
 Operator : SY/MD
 Sample : Q3172-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FW7D

Quant Time: Sep 25 08:19:09 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	784952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1453021	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.805	117	1186446	50.000	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	11.172	152	645392	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	577583	50.841	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 101.680%	
35) Dibromofluoromethane	4.503	113	455826	39.022	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 78.040%#	
50) Toluene-d8	7.239	98	1428833	41.648	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 83.300%#	
62) 4-Bromofluorobenzene	10.001	95	589602	41.746	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 83.500%#	

Target Compounds				Qvalue		
3) Chloromethane	1.201	50	89194	6.687	ug/l #	43
4) Vinyl Chloride	1.298	62	763995	53.498	ug/l #	64
6) Chloroethane	1.298	64	1505998	228.577	ug/l #	48
8) Diethyl Ether	1.921	74	22870	2.980	ug/l	93
10) Methyl Iodide	2.204	142	2452	0.209	ug/l #	68
11) Tert butyl alcohol	2.568	59	4045	1.685	ug/l #	73
12) 1,1-Dichloroethene	2.085	96	109964	9.291	ug/l	99
13) Acrolein	1.992	56	367	0.881	ug/l #	1
16) Acetone	2.127	43	19794	Below Cal		89
17) Carbon Disulfide	2.259	76	34033	0.940	ug/l	98
18) Methyl Acetate	2.449	43	12022	0.714	ug/l #	53
19) Methyl tert-butyl Ether	2.716	73	61631	1.634	ug/l #	1
20) Methylene Chloride	2.462	84	2825	Below Cal	#	89
21) trans-1,2-Dichloroethene	2.703	96	978973	77.701	ug/l	99
22) Diisopropyl ether	3.220	45	114080	2.820	ug/l #	31
23) Vinyl Acetate	3.220	43	58244	1.646	ug/l #	75
24) 1,1-Dichloroethane	3.121	63	8430	0.341	ug/l	98
27) cis-1,2-Dichloroethene	3.815	96	16939500	1219.054	ug/l	88
30) Chloroform	4.291	83	26684	1.033	ug/l	97
31) Cyclohexane	4.590	56	67600	3.336	ug/l #	79
36) 1,1-Dichloropropene	4.600	75	70547	3.995	ug/l #	49
38) Carbon Tetrachloride	4.600	117	89269	4.136	ug/l #	16
39) Methylcyclohexane	6.050	83	90115	4.225	ug/l	97
40) Benzene	5.008	78	2255720	39.223	ug/l	98
41) Methacrylonitrile	4.159	41	294	1.940	ug/l #	10
42) 1,2-Dichloroethane	5.014	62	18895	0.938	ug/l	78
45) 1,2-Dichloropropane	5.831	63	131185	9.177	ug/l #	1
49) 1,4-Dioxane	6.323	88	218	1.020	ug/l #	70
52) Toluene	7.317	92	153855	4.614	ug/l	99
55) 1,1,2-Trichloroethane	7.776	97	14759	0.987	ug/l	97
58) 2-Chloroethyl Vinyl ether	6.812	63	340	9.655	ug/l #	47
59) 2-Hexanone	8.056	43	251	2.342	ug/l	92
60) Dibromochloromethane	7.905	129	21401	1.256	ug/l #	10
64) Tetrachloroethene	7.905	164	21046	2.118	ug/l	96
67) Ethyl Benzene	8.953	91	152525	3.049	ug/l	99
68) m/p-Xylenes	9.075	106	82715	4.284	ug/l	92

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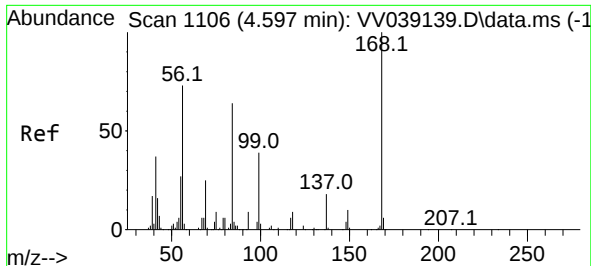
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	9.477	106	25960	1.519	ug/l	93
70) Styrene	9.481	104	1936	1.613	ug/l #	1
73) Isopropylbenzene	9.863	105	37694	0.805	ug/l	100
76) 1,2,3-Trichloropropane	10.001	75	304471	20.720	ug/l #	56
77) Bromobenzene	10.153	156	13631	1.122	ug/l	96
78) n-propylbenzene	10.288	91	11754	0.206	ug/l	93
79) 2-Chlorotoluene	10.352	91	152988	4.485	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.001	75	304471	49.742	ug/l #	13
82) 4-Chlorotoluene	10.352	91	152988	3.868	ug/l	93
83) tert-Butylbenzene	10.792	119	25904	0.668	ug/l	88
84) 1,2,4-Trimethylbenzene	10.847	105	21492	0.569	ug/l	99
87) 1,3-Dichlorobenzene	11.111	146	87249	3.550	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1378381	51.115	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	1853630	80.719	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.336	75	628	Below Cal	#	7
95) Naphthalene	13.442	128	18472	0.434	ug/l #	94

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

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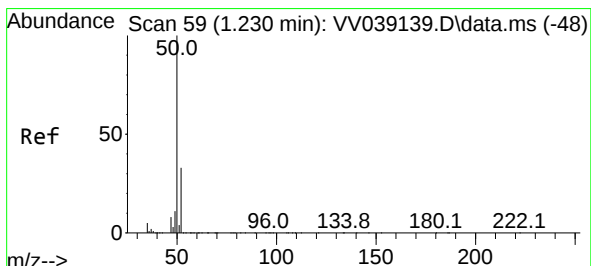
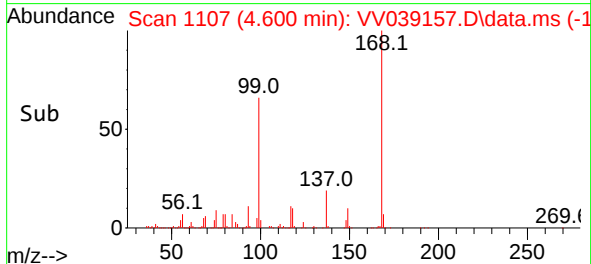
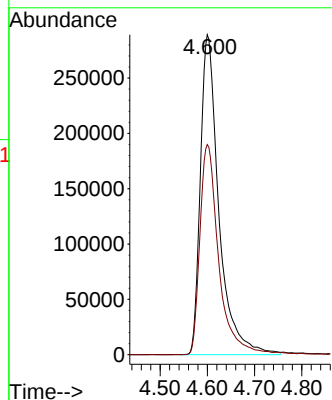
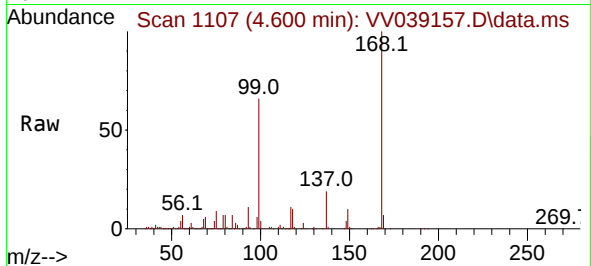




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039157.D
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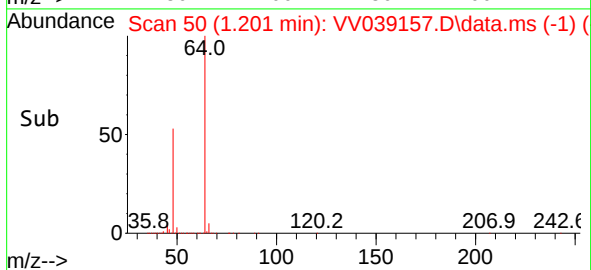
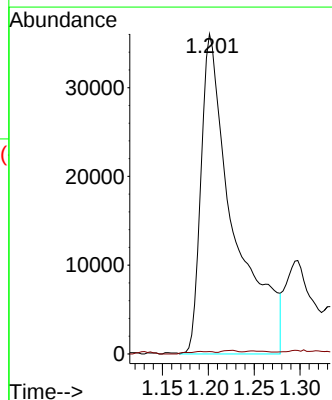
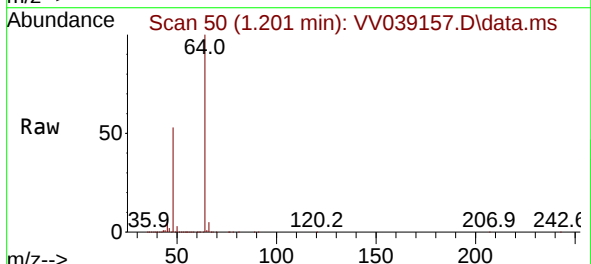
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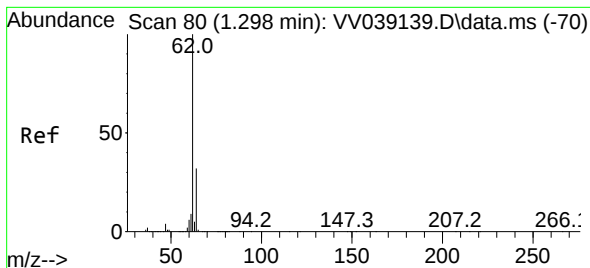
Tgt Ion:168 Resp: 784952
Ion Ratio Lower Upper
168 100
99 65.6 49.6 74.4



#3
Chloromethane
Concen: 6.687 ug/l
RT: 1.201 min Scan# 50
Delta R.T. -0.029 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 50 Resp: 89194
Ion Ratio Lower Upper
50 100
52 0.4 26.0 39.0#





#4

Vinyl Chloride

Concen: 53.498 ug/l

RT: 1.298 min Scan# 80

Delta R.T. -0.000 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

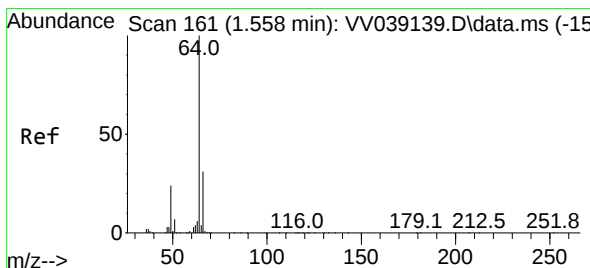
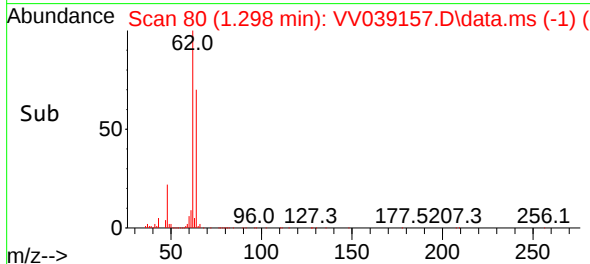
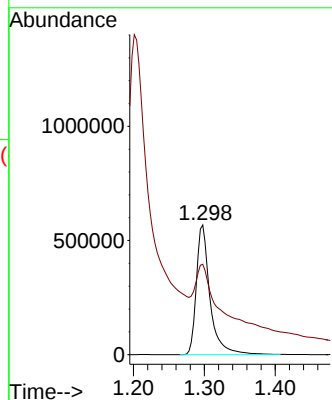
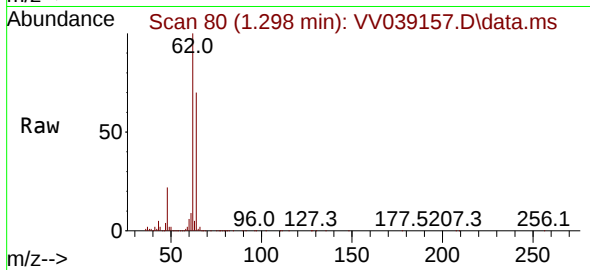
FW7D

Tgt Ion: 62 Resp: 763995

Ion Ratio Lower Upper

62 100

64 52.2 25.6 38.4#



#6

Chloroethane

Concen: 228.577 ug/l

RT: 1.298 min Scan# 80

Delta R.T. -0.260 min

Lab File: VV039157.D

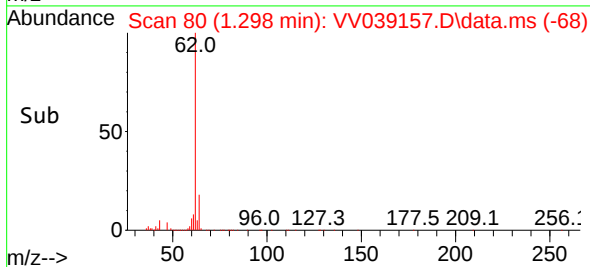
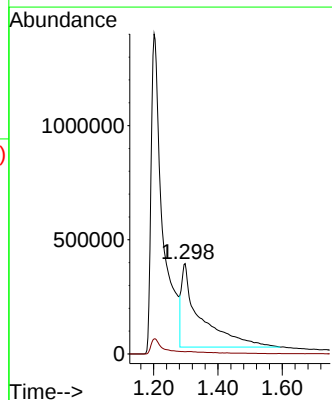
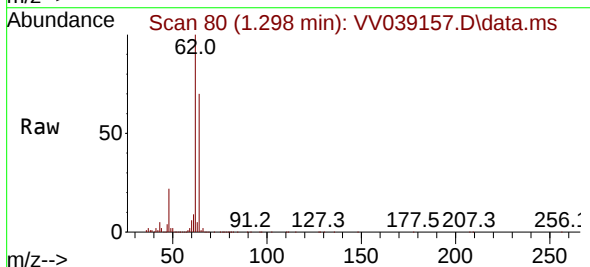
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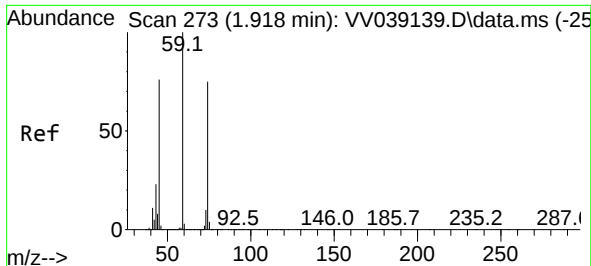
Tgt Ion: 64 Resp: 1505998

Ion Ratio Lower Upper

64 100

66 2.1 24.6 36.8#

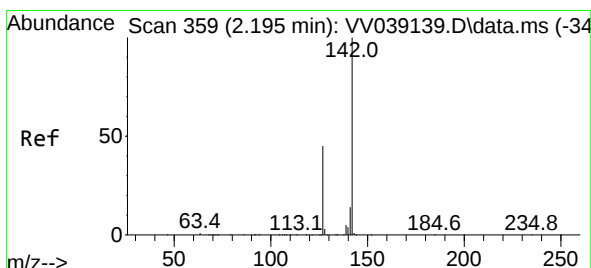
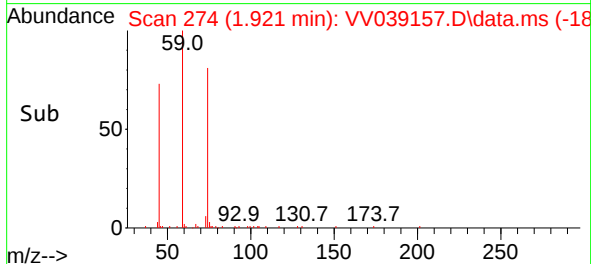
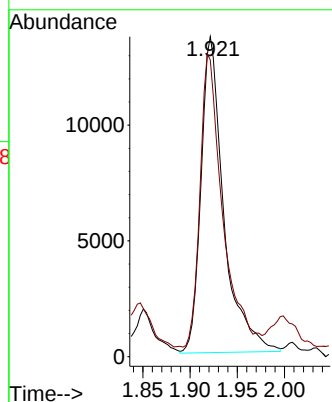
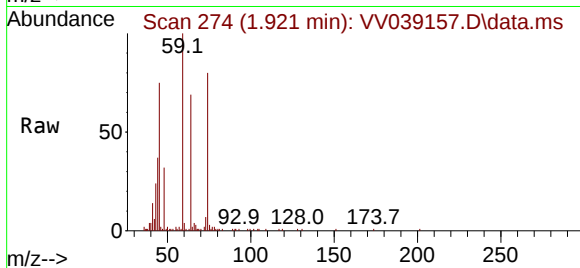




#8
Diethyl Ether
Concen: 2.980 ug/l
RT: 1.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

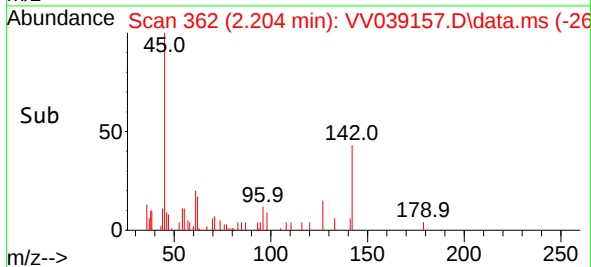
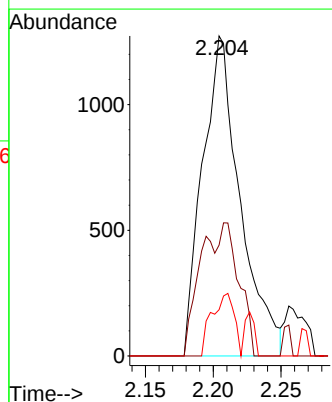
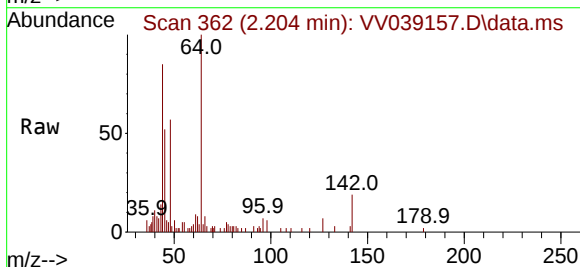
Instrument :
MSVOA_V
ClientSampleId :
FW7D

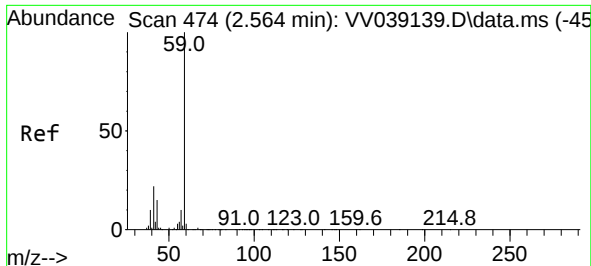
Tgt Ion: 74 Resp: 22870
Ion Ratio Lower Upper
74 100
45 92.4 49.6 148.8



#10
Methyl Iodide
Concen: 0.209 ug/l
RT: 2.204 min Scan# 362
Delta R.T. 0.010 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 142 Resp: 2452
Ion Ratio Lower Upper
142 100
127 19.2 36.3 54.5#
141 11.6 11.2 16.8

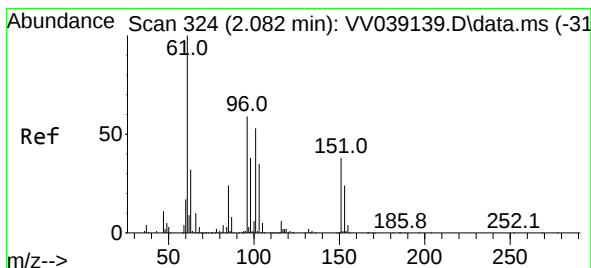
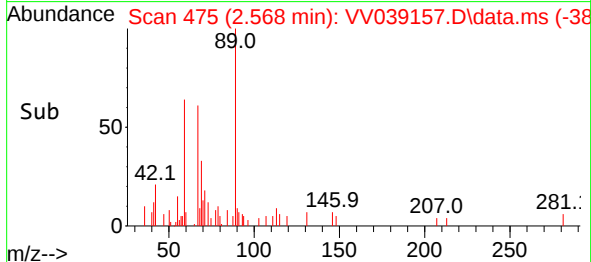
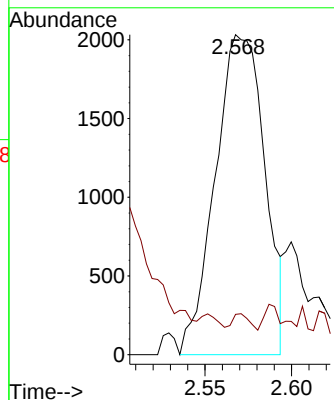
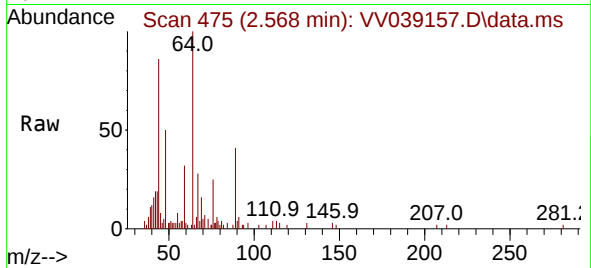




#11
Tert butyl alcohol
Concen: 1.685 ug/l
RT: 2.568 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

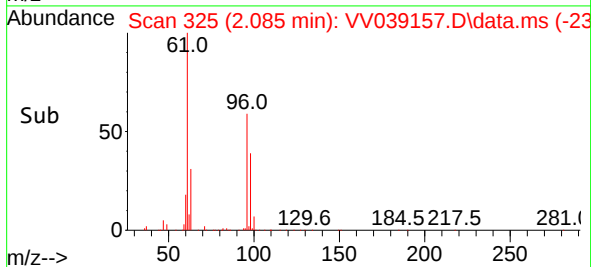
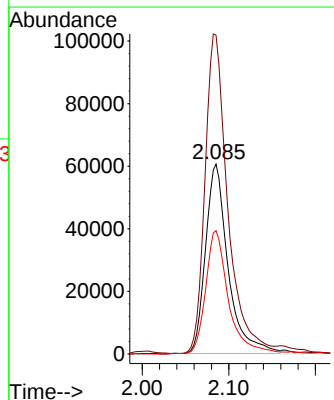
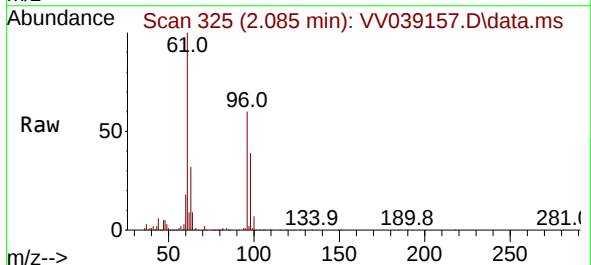
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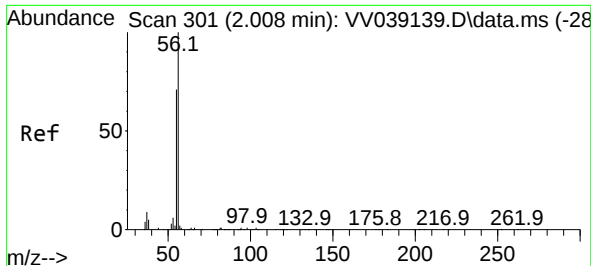
Tgt Ion: 59 Resp: 4045
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 9.291 ug/l
RT: 2.085 min Scan# 325
Delta R.T. 0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 96 Resp: 109964
Ion Ratio Lower Upper
96 100
61 168.0 136.0 204.0
98 64.9 51.0 76.6

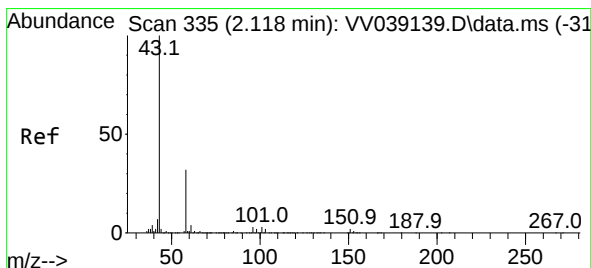
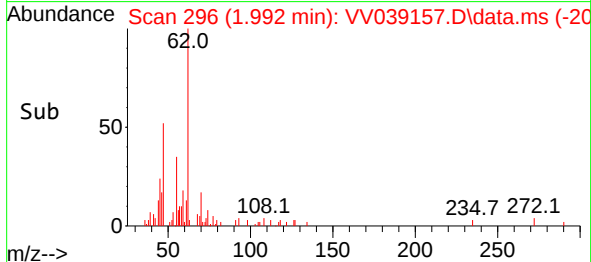
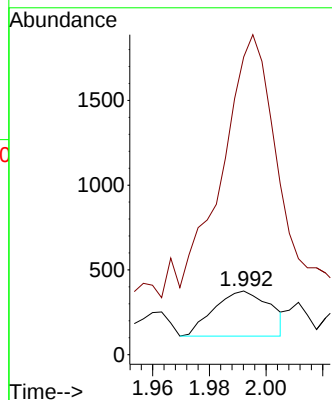
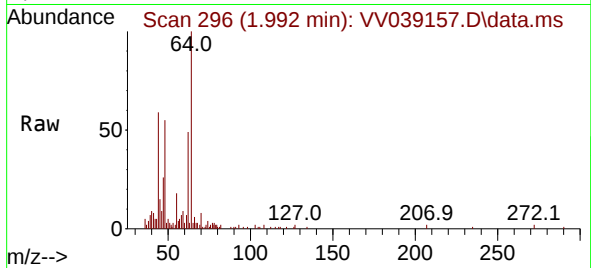




#13
Acrolein
Concen: 0.881 ug/l
RT: 1.992 min Scan# 296
Delta R.T. -0.016 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

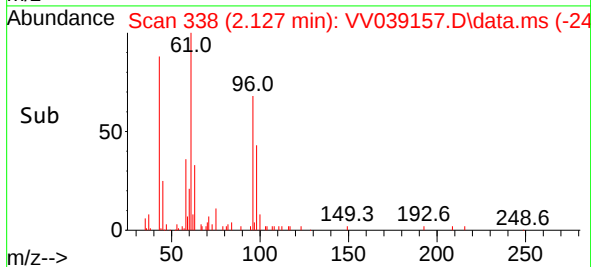
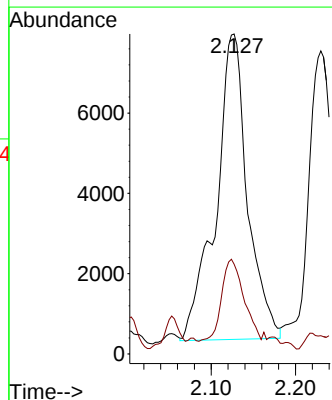
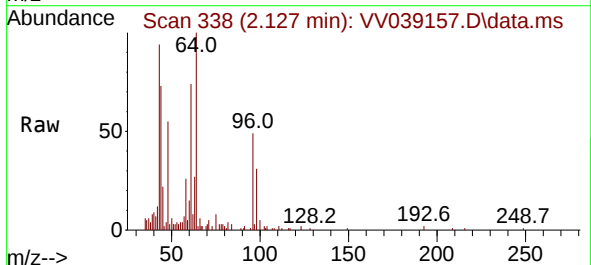
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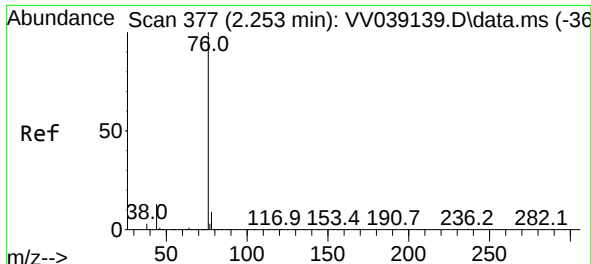
Tgt Ion: 56 Resp: 367
Ion Ratio Lower Upper
56 100
55 701.4 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 43 Resp: 19794
Ion Ratio Lower Upper
43 100
58 26.0 25.8 38.6

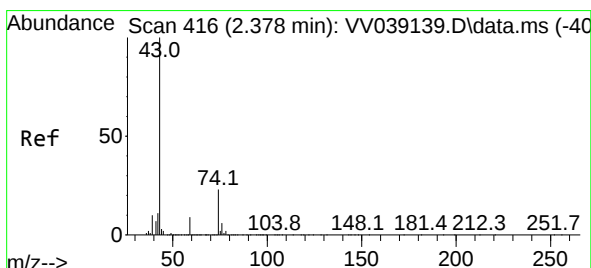
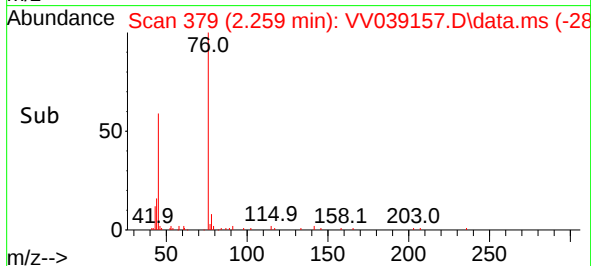
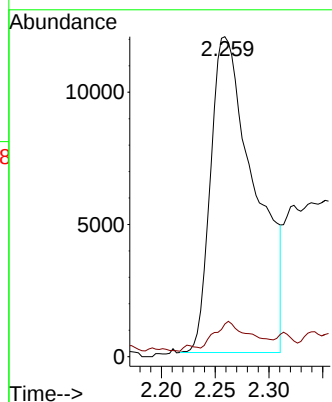
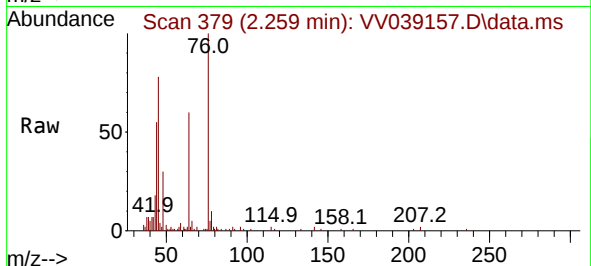




#17
Carbon Disulfide
Concen: 0.940 ug/l
RT: 2.259 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

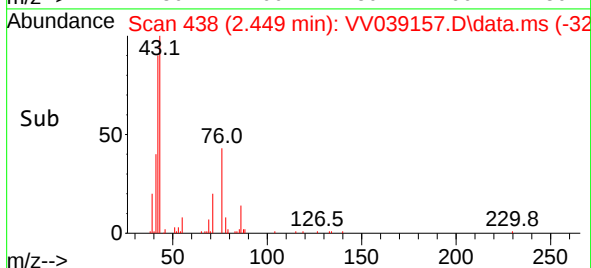
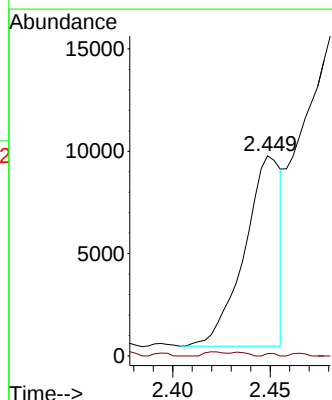
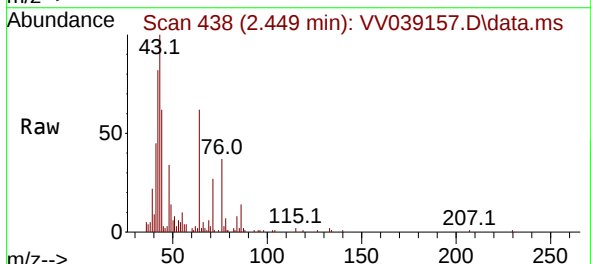
Instrument :
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ClientSampleId :
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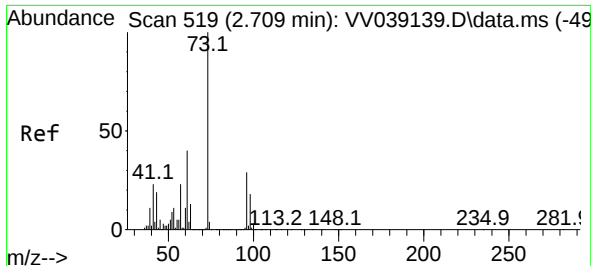
Tgt Ion: 76 Resp: 34033
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#18
Methyl Acetate
Concen: 0.714 ug/l
RT: 2.449 min Scan# 438
Delta R.T. 0.071 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 43 Resp: 12022
Ion Ratio Lower Upper
43 100
74 0.4 18.6 27.8#





#19

Methyl tert-butyl Ether

Concen: 1.634 ug/l

RT: 2.716 min Scan# 519

Delta R.T. 0.006 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

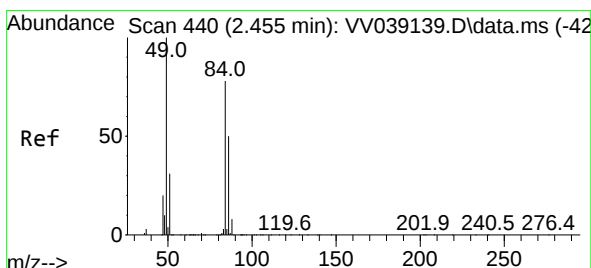
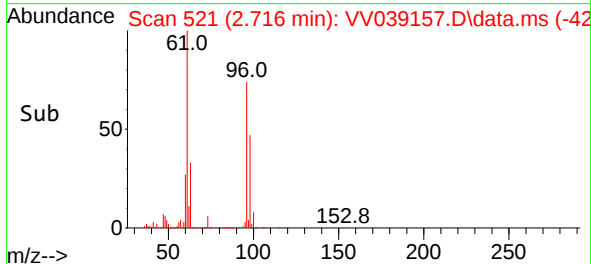
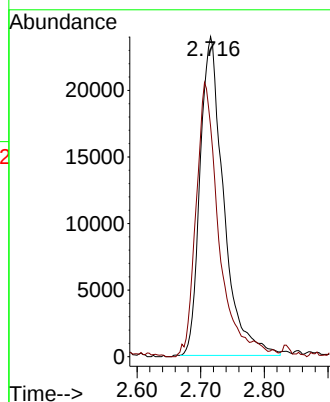
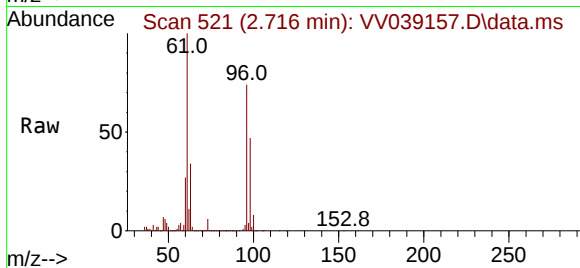
FW7D

Tgt Ion: 73 Resp: 61631

Ion Ratio Lower Upper

73 100

57 71.0 18.2 27.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.462 min Scan# 442

Delta R.T. 0.007 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Tgt Ion: 84 Resp: 2825

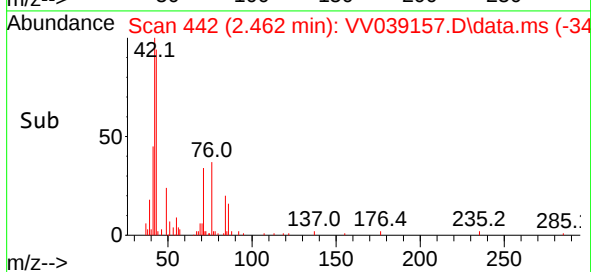
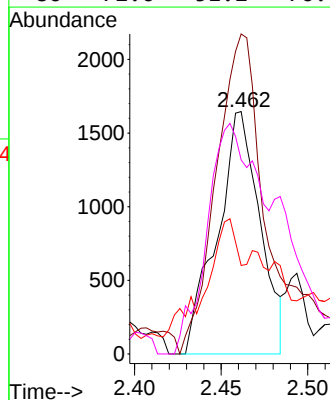
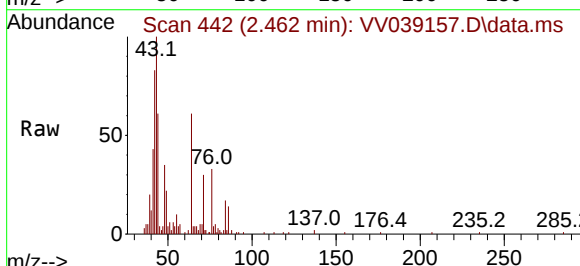
Ion Ratio Lower Upper

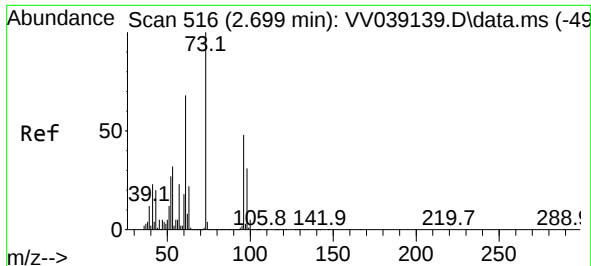
84 100

49 132.0 102.8 154.2

51 17.7 31.9 47.9#

86 72.6 51.2 76.8

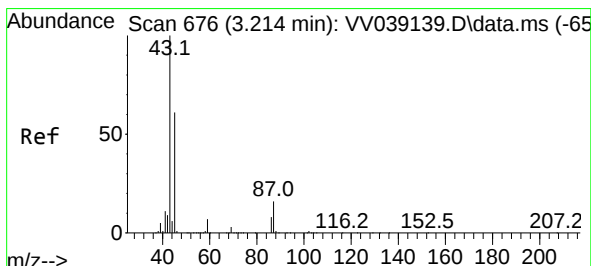
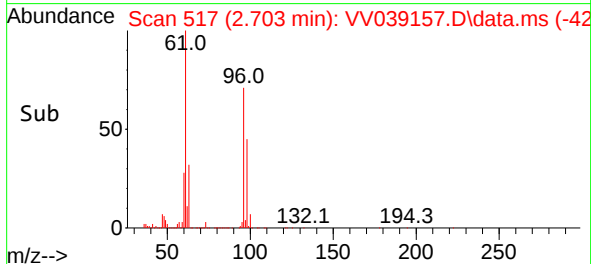
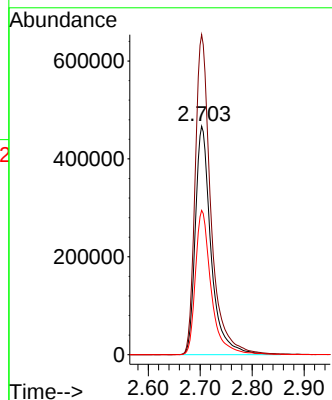
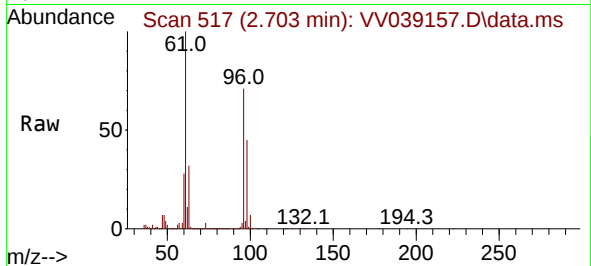




#21
trans-1,2-Dichloroethene
Concen: 77.701 ug/l
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

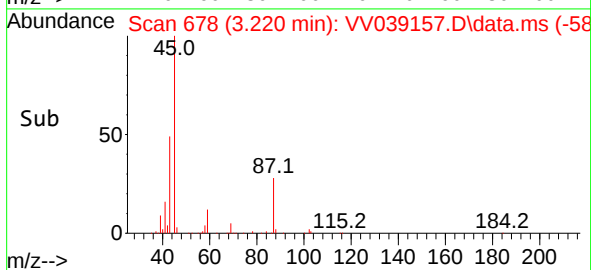
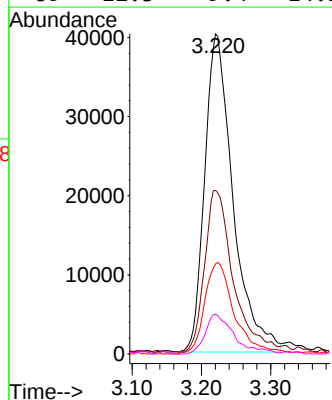
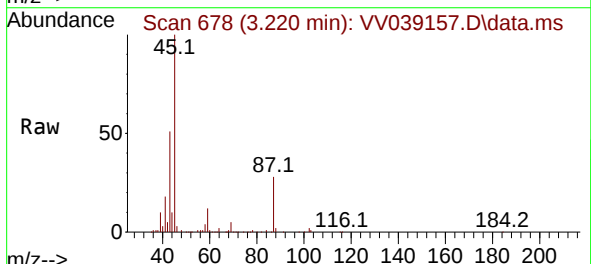
Instrument :
MSVOA_V
ClientSampleId :
FW7D

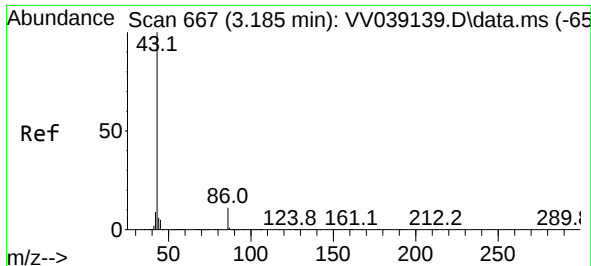
Tgt Ion: 96 Resp: 978973
Ion Ratio Lower Upper
96 100
61 140.0 112.8 169.2
98 63.1 51.1 76.7



#22
Diisopropyl ether
Concen: 2.820 ug/l
RT: 3.220 min Scan# 678
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 45 Resp: 114080
Ion Ratio Lower Upper
45 100
43 50.8 130.9 196.3#
87 28.1 21.1 31.7
59 12.3 9.4 14.2

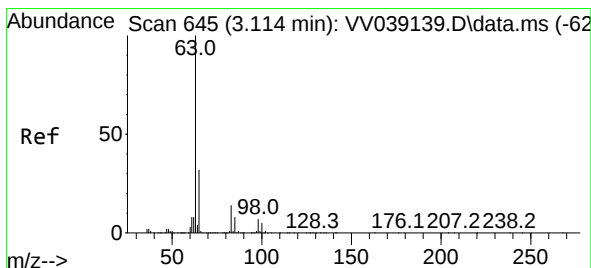
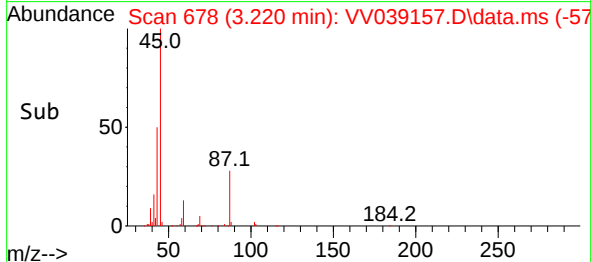
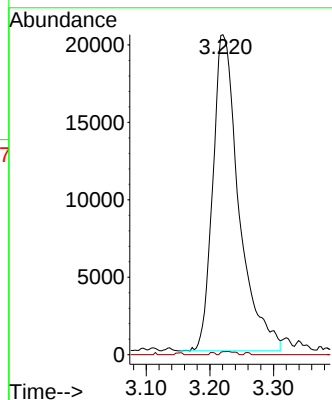
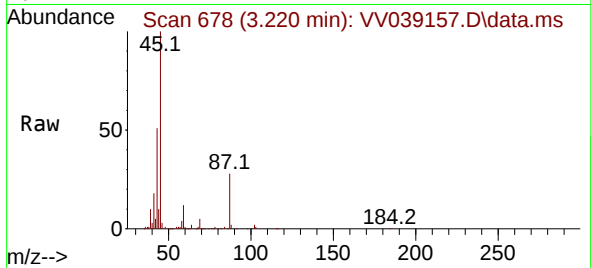




#23
 Vinyl Acetate
 Concen: 1.646 ug/l
 RT: 3.220 min Scan# 61
 Delta R.T. 0.035 min
 Lab File: VV039157.D
 Acq: 24 Sep 2025 17:00

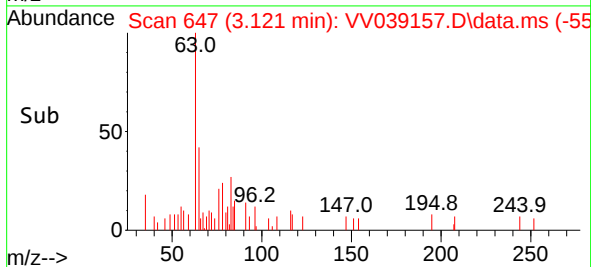
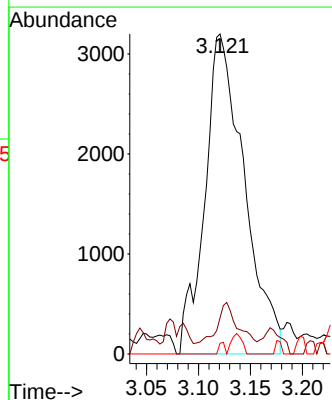
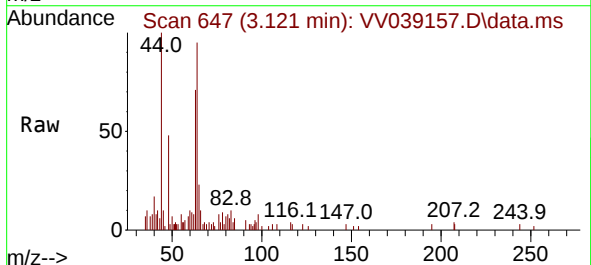
Instrument :
 MSVOA_V
 ClientSampleId :
 FW7D

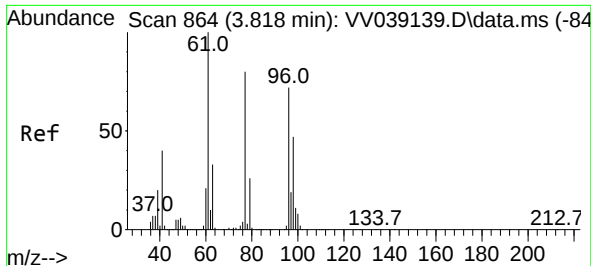
Tgt Ion: 43 Resp: 58244
 Ion Ratio Lower Upper
 43 100
 86 0.9 8.4 12.6#



#24
 1,1-Dichloroethane
 Concen: 0.341 ug/l
 RT: 3.121 min Scan# 647
 Delta R.T. 0.006 min
 Lab File: VV039157.D
 Acq: 24 Sep 2025 17:00

Tgt Ion: 63 Resp: 8430
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.2
 100 3.4 2.2 6.6





#27

cis-1,2-Dichloroethene

Concen: 1219.054 ug/l

RT: 3.815 min Scan# 80

Delta R.T. -0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

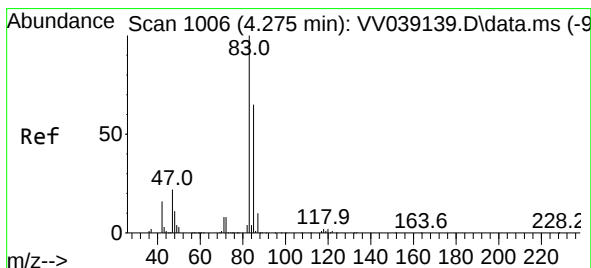
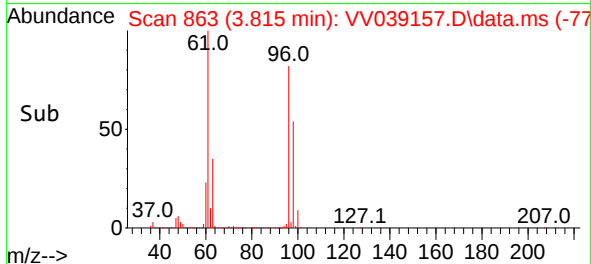
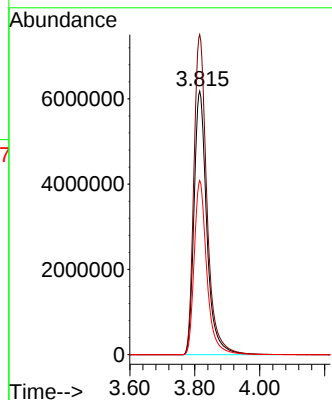
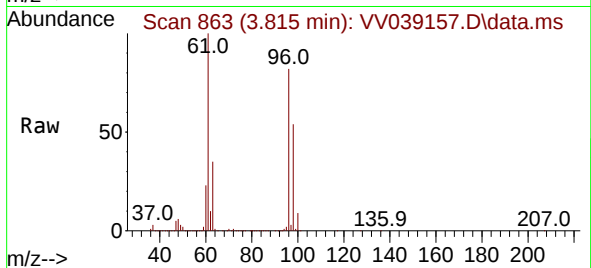
MSVOA_V

ClientSampleId :

FW7D

Tgt Ion: 96 Resp:16939500

Ion	Ratio	Lower	Upper
96	100		
61	123.6	0.0	286.4
98	65.2	0.0	126.6



#30

Chloroform

Concen: 1.033 ug/l

RT: 4.291 min Scan# 1011

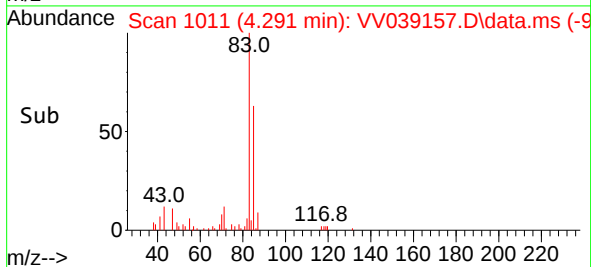
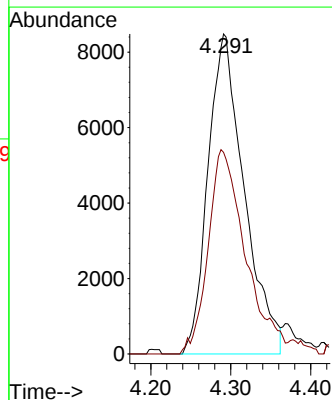
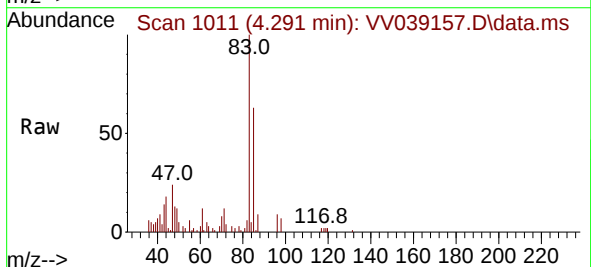
Delta R.T. 0.016 min

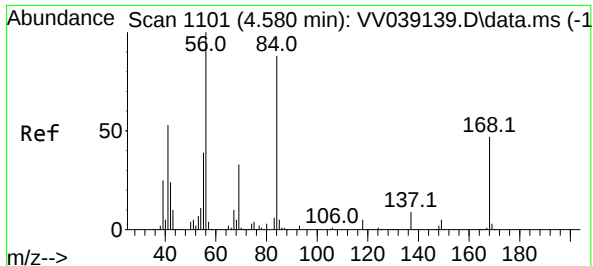
Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Tgt Ion: 83 Resp: 26684

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.1	78.1

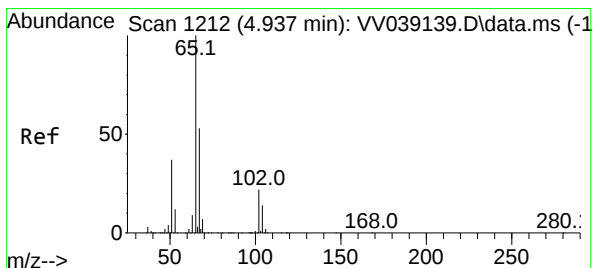
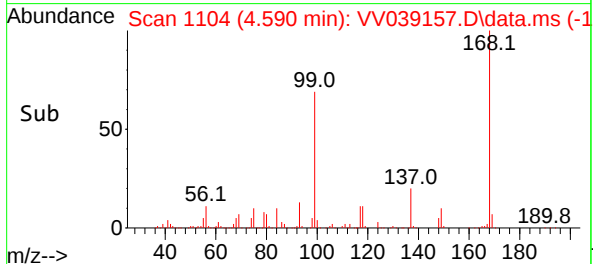
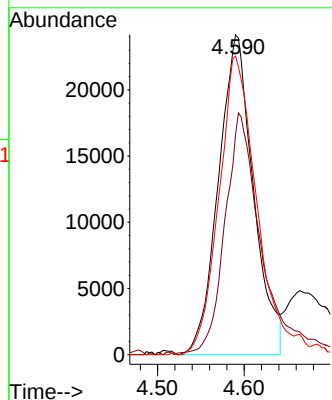
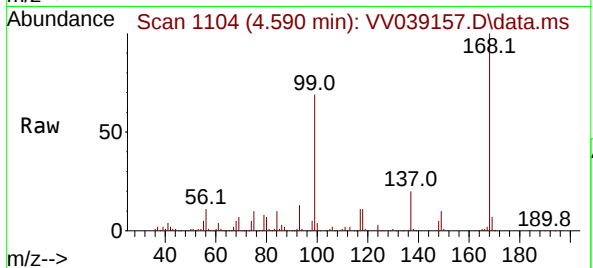




#31
Cyclohexane
Concen: 3.336 ug/l
RT: 4.590 min Scan# 1101
Delta R.T. 0.010 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

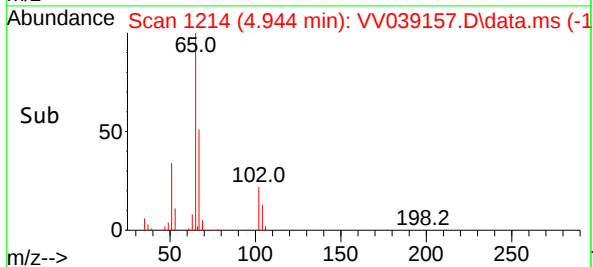
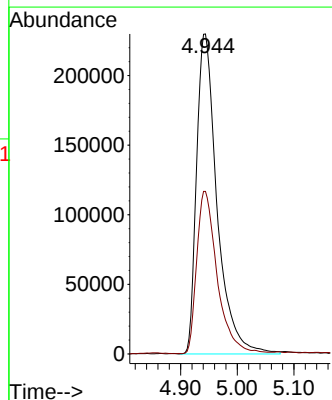
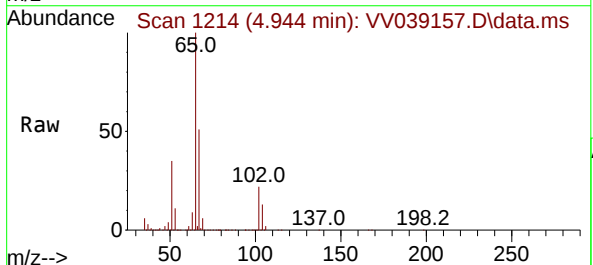
Instrument :
MSVOA_V
ClientSampleId :
FW7D

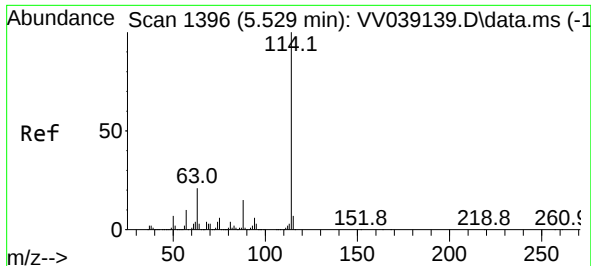
Tgt Ion: 56 Resp: 67600
Ion Ratio Lower Upper
56 100
69 68.3 26.2 39.2#
84 93.3 70.3 105.5



#33
1,2-Dichloroethane-d4
Concen: 50.841 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 65 Resp: 577583
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 114

Delta R.T. 0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

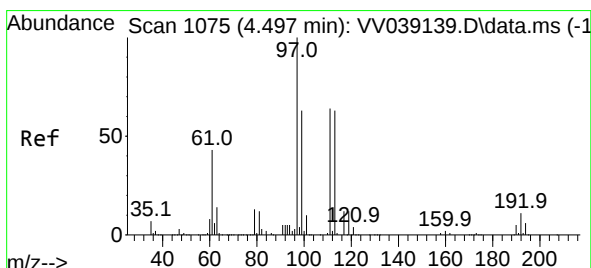
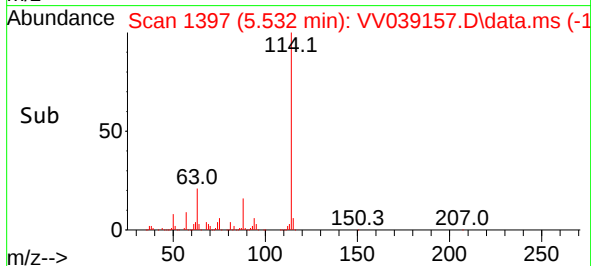
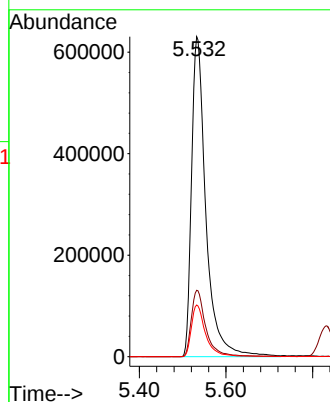
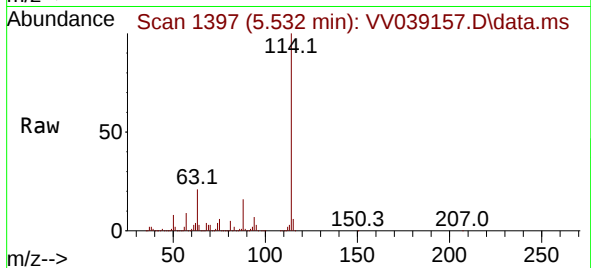
Tgt Ion:114 Resp: 1453021

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 16.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 39.022 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

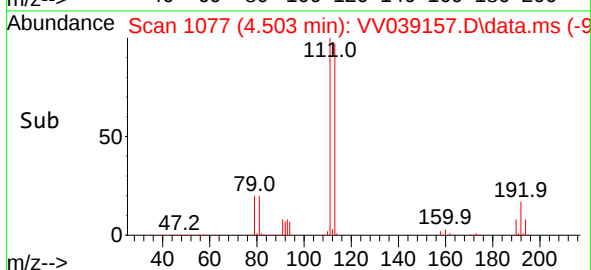
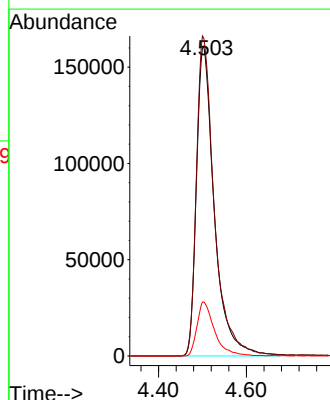
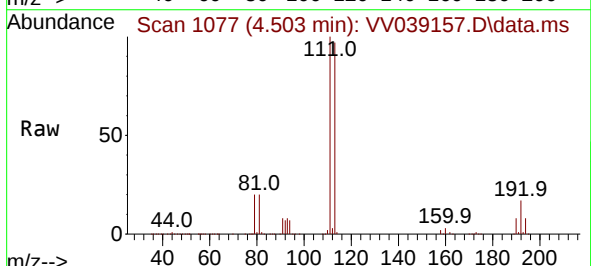
Tgt Ion:113 Resp: 455826

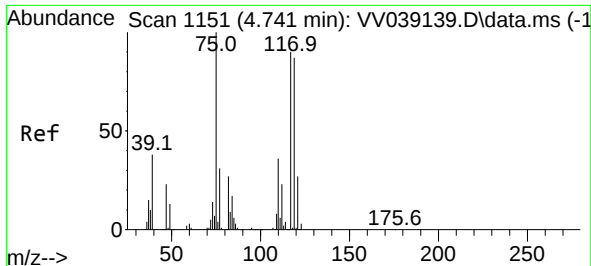
Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

192 17.1 13.8 20.8





#36

1,1-Dichloropropene

Concen: 3.995 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

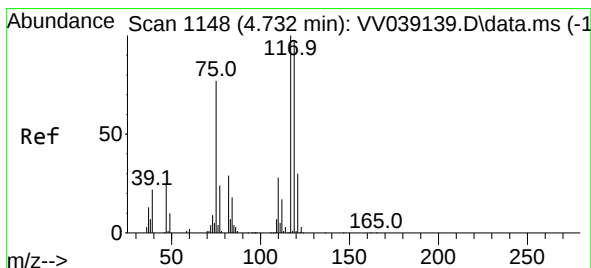
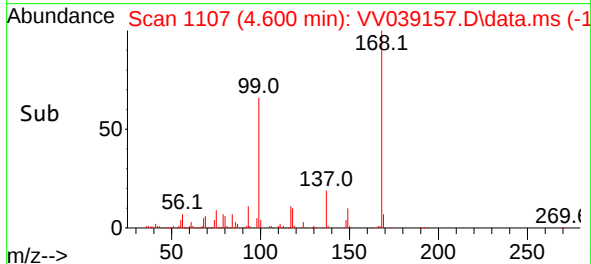
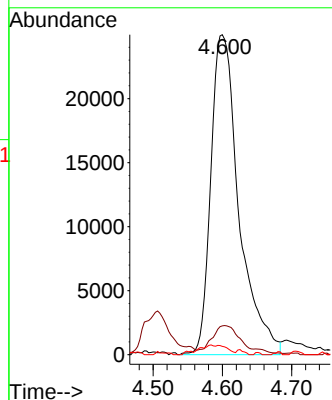
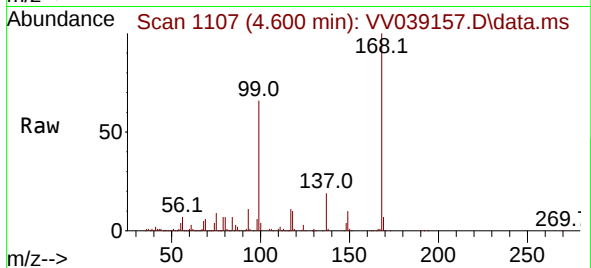
Tgt Ion: 75 Resp: 70547

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.136 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.132 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

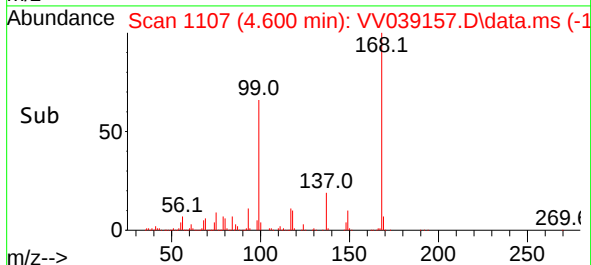
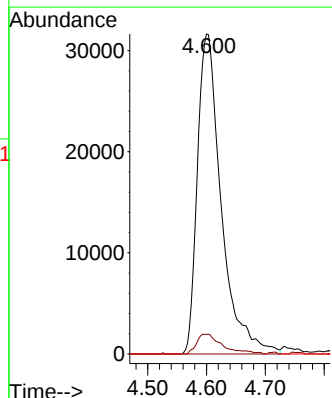
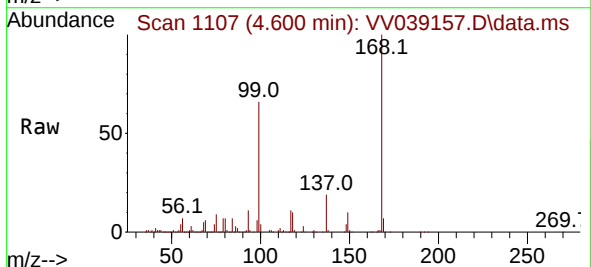
Tgt Ion: 117 Resp: 89269

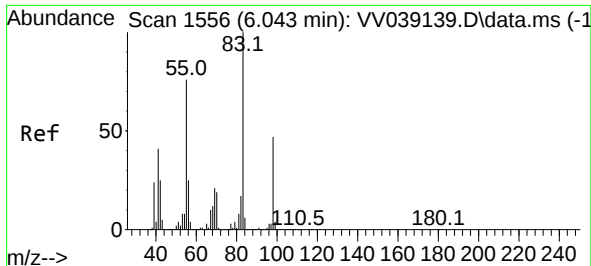
Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 4.225 ug/l

RT: 6.050 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

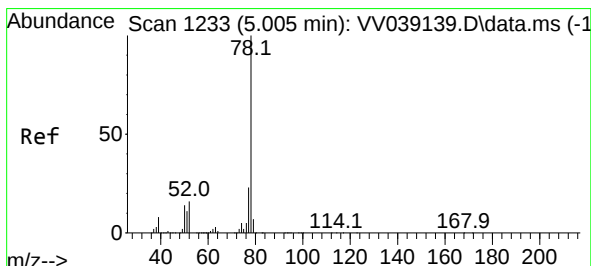
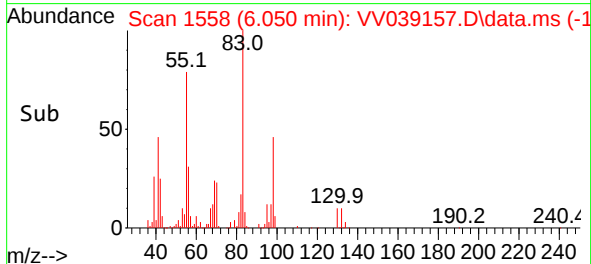
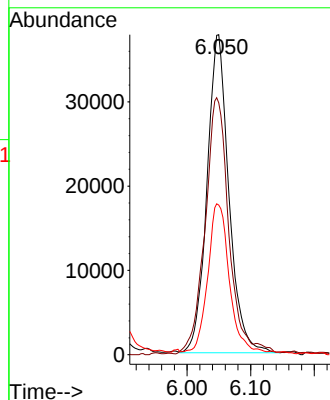
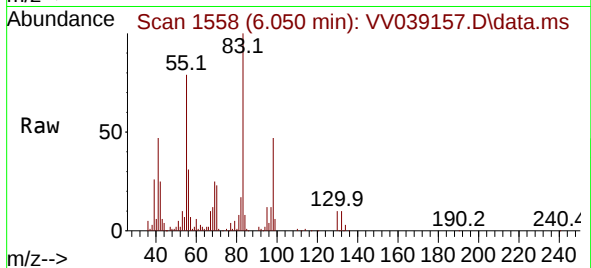
Tgt Ion: 83 Resp: 90115

Ion Ratio Lower Upper

83 100

55 78.4 60.5 90.7

98 46.2 37.8 56.6



#40

Benzene

Concen: 39.223 ug/l

RT: 5.008 min Scan# 1234

Delta R.T. 0.003 min

Lab File: VV039157.D

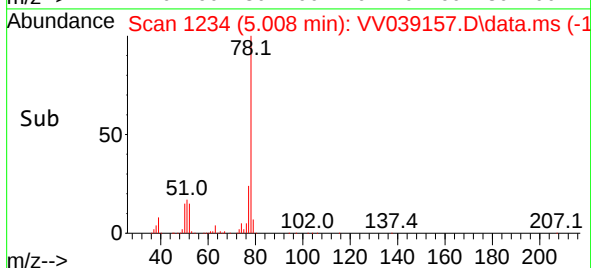
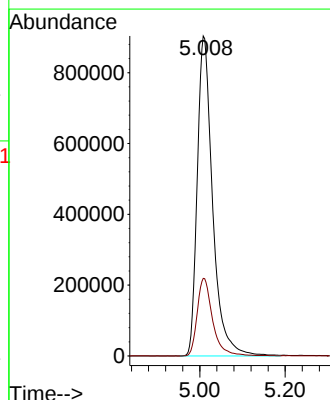
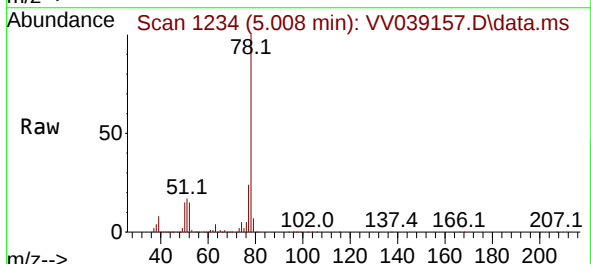
Acq: 24 Sep 2025 17:00

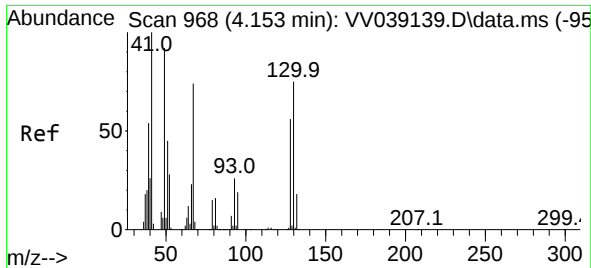
Tgt Ion: 78 Resp: 2255720

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1

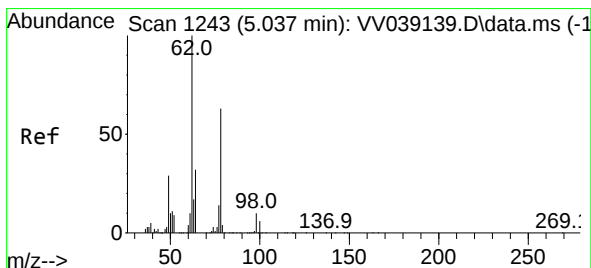
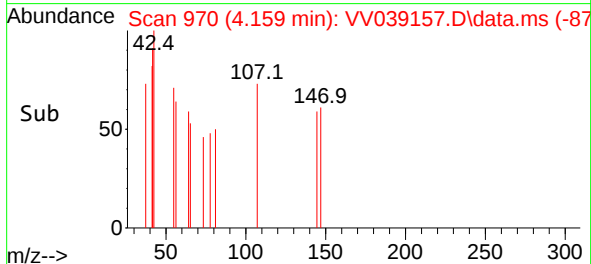
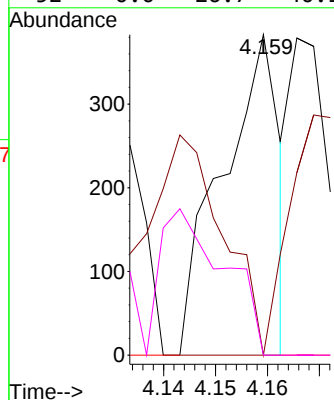
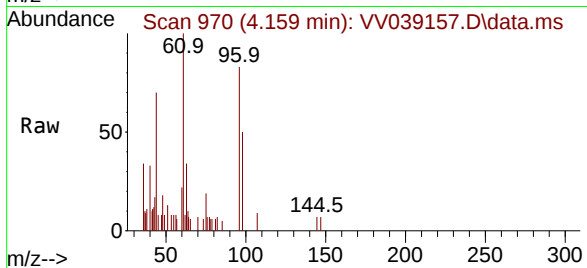




#41
Methacrylonitrile
Concen: 1.940 ug/l
RT: 4.159 min Scan# 91
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

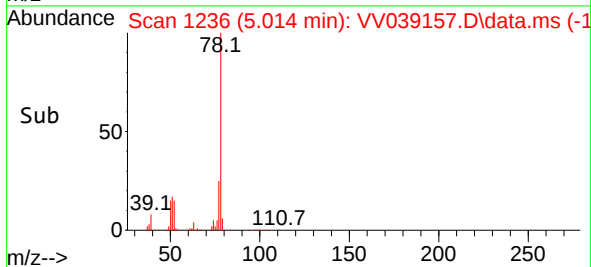
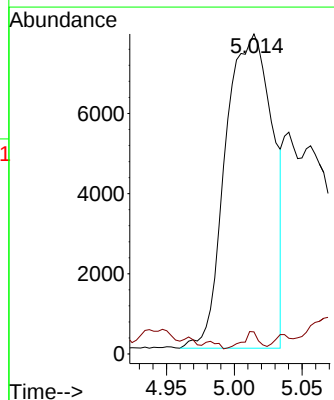
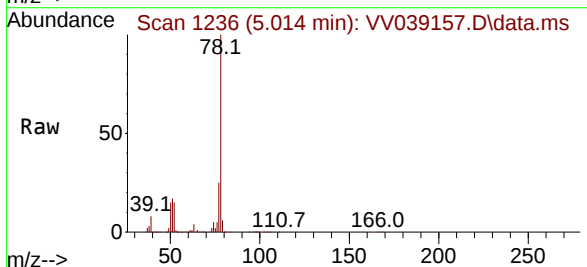
Instrument :
MSVOA_V
ClientSampleId :
FW7D

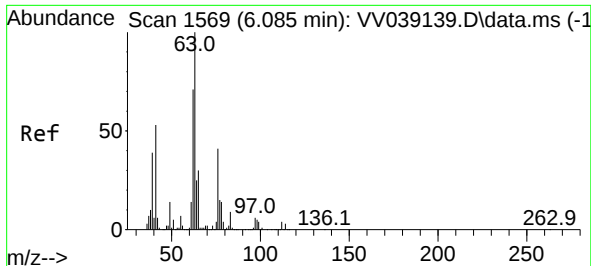
Tgt Ion:	41	Resp:	294
Ion	Ratio	Lower	Upper
41	100		
39	127.9	42.2	63.2#
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.938 ug/l
RT: 5.014 min Scan# 1236
Delta R.T. -0.023 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion:	62	Resp:	18895
Ion	Ratio	Lower	Upper
62	100		
98	1.6	0.0	19.2





#45

1,2-Dichloropropane

Concen: 9.177 ug/l

RT: 5.831 min Scan# 1490

Delta R.T. -0.254 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

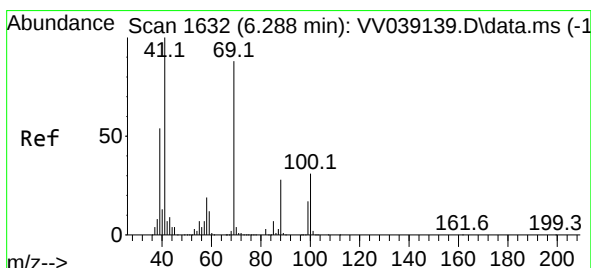
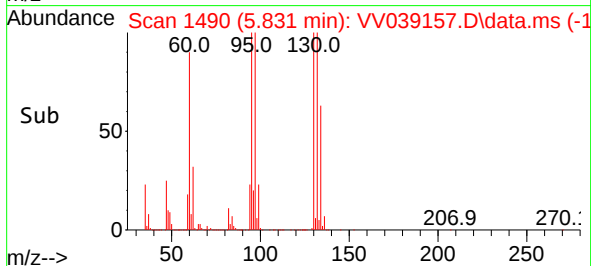
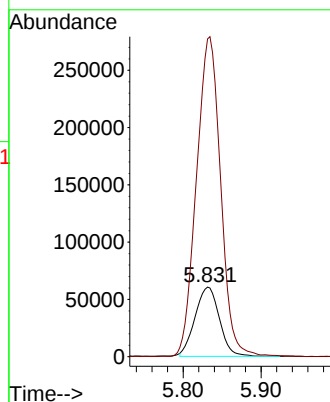
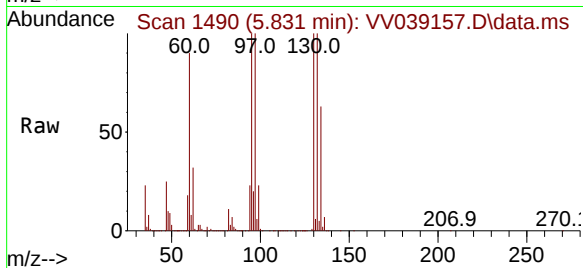
FW7D

Tgt Ion: 63 Resp: 131185

Ion Ratio Lower Upper

63 100

65 457.1 23.7 35.5#



#49

1,4-Dioxane

Concen: 1.020 ug/l

RT: 6.323 min Scan# 1643

Delta R.T. 0.035 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

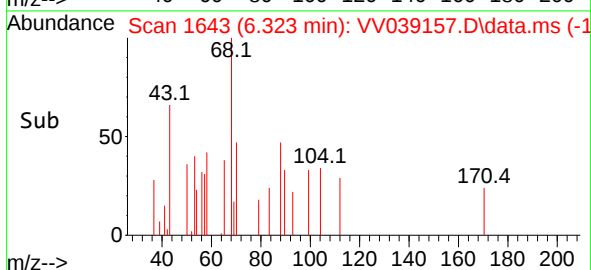
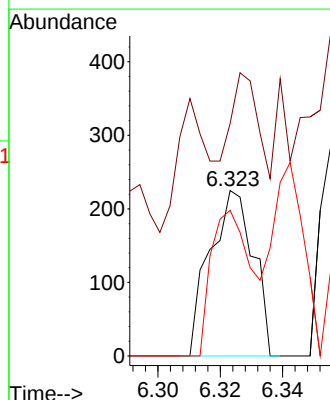
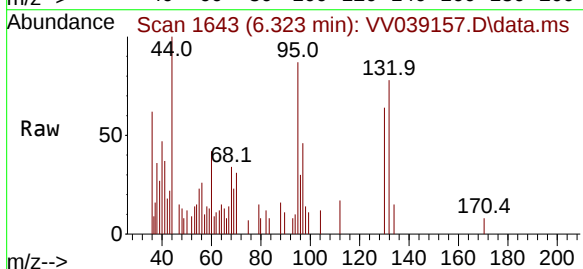
Tgt Ion: 88 Resp: 218

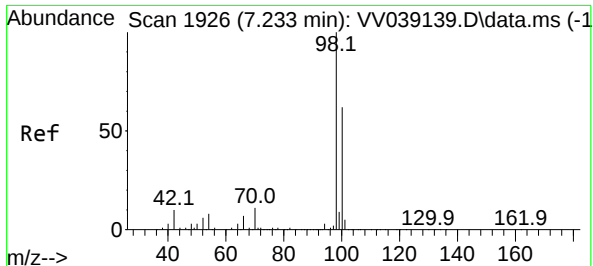
Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

58 80.7 53.6 80.4#

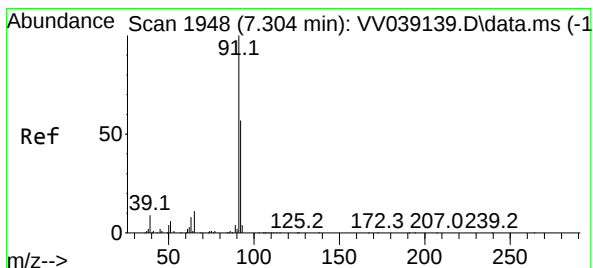
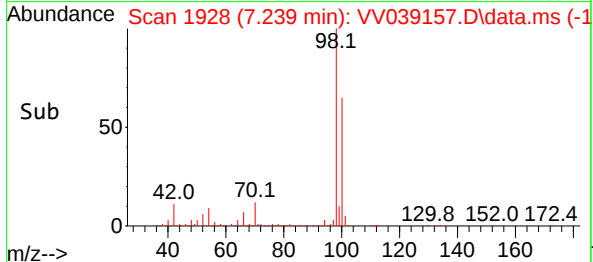
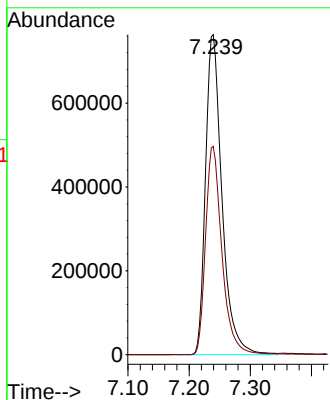
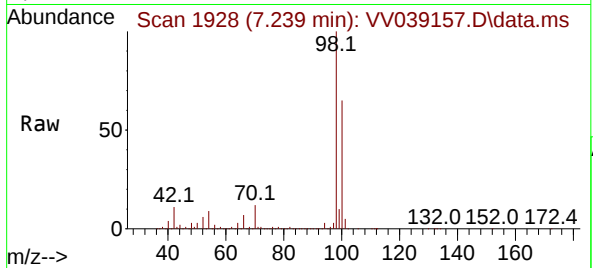




#50
Toluene-d8
Concen: 41.648 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

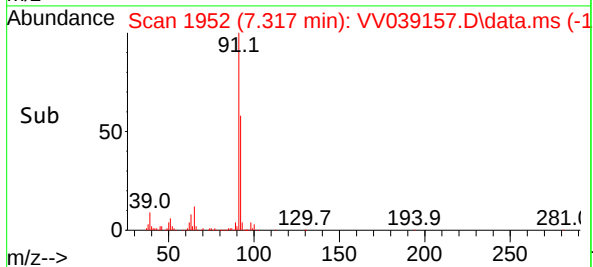
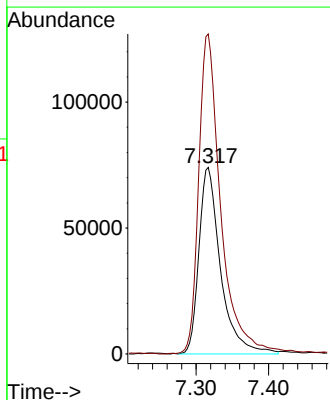
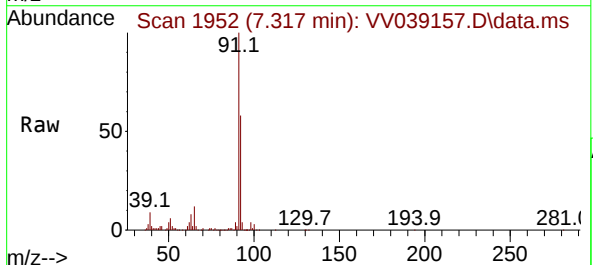
Instrument :
MSVOA_V
ClientSampleId :
FW7D

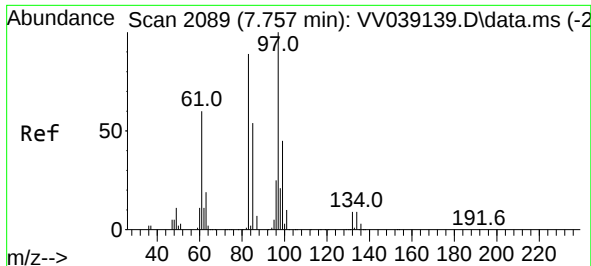
Tgt Ion: 98 Resp: 1428833
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#52
Toluene
Concen: 4.614 ug/l
RT: 7.317 min Scan# 1952
Delta R.T. 0.013 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 92 Resp: 153855
Ion Ratio Lower Upper
92 100
91 174.8 139.2 208.8

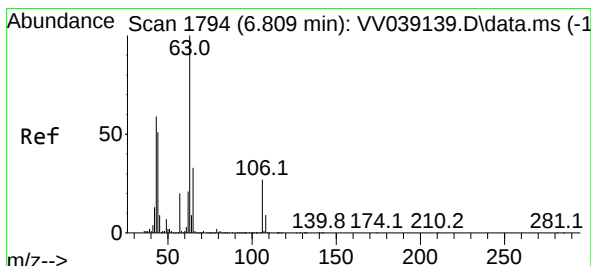
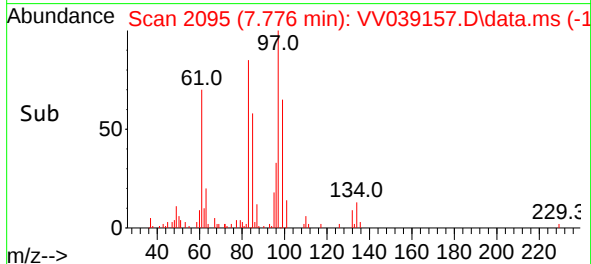
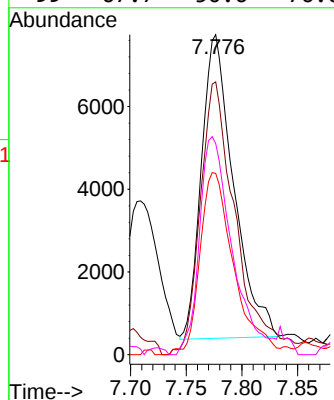
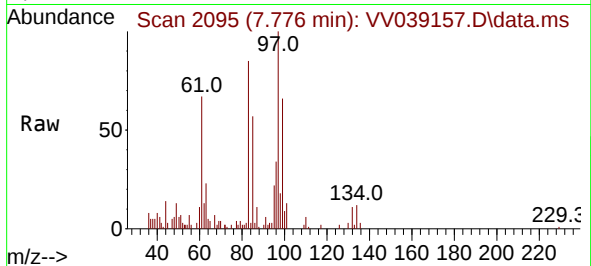




#55
 1,1,2-Trichloroethane
 Concen: 0.987 ug/l
 RT: 7.776 min Scan# 2089
 Delta R.T. 0.019 min
 Lab File: VV039157.D
 Acq: 24 Sep 2025 17:00

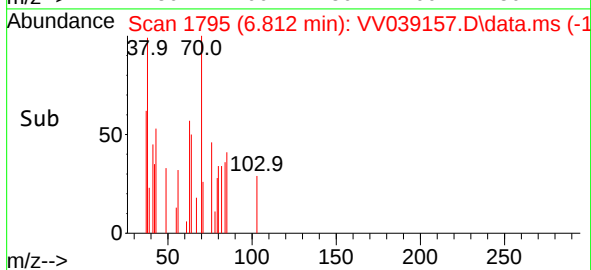
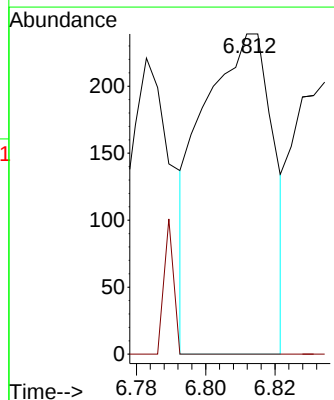
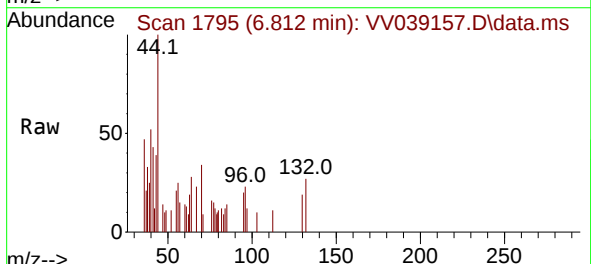
Instrument :
 MSVOA_V
 ClientSampleId :
 FW7D

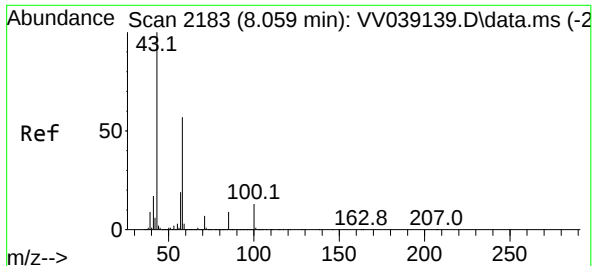
Tgt Ion:	97	Resp:	14759
Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.1	106.7
85	58.3	44.6	67.0
99	67.7	50.6	76.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 9.655 ug/l
 RT: 6.812 min Scan# 1795
 Delta R.T. 0.003 min
 Lab File: VV039157.D
 Acq: 24 Sep 2025 17:00

Tgt Ion:	63	Resp:	340
Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.1	33.1#

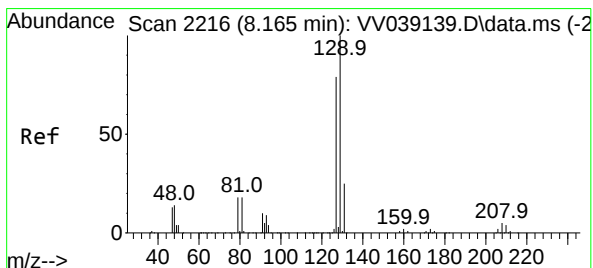
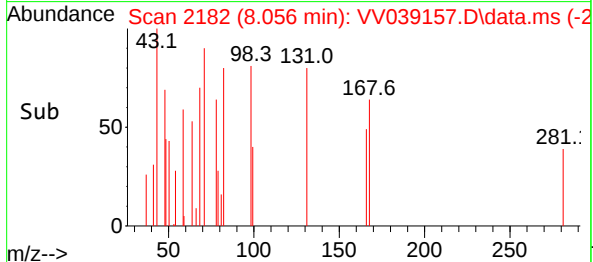
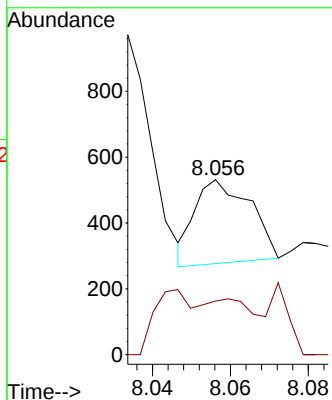
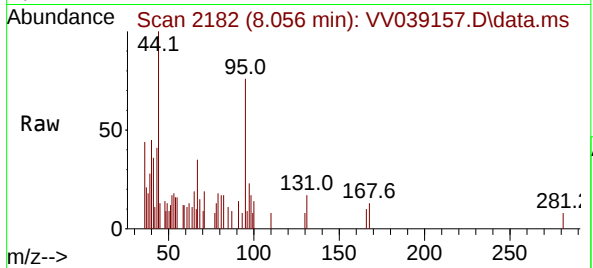




#59
2-Hexanone
Concen: 2.342 ug/l
RT: 8.056 min Scan# 2183
Delta R.T. -0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

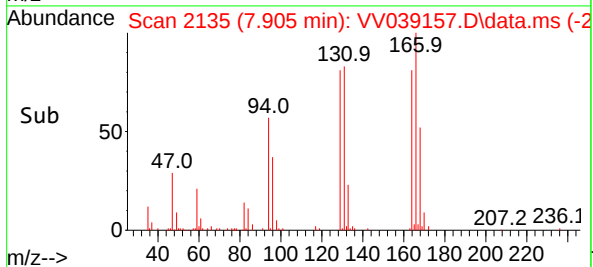
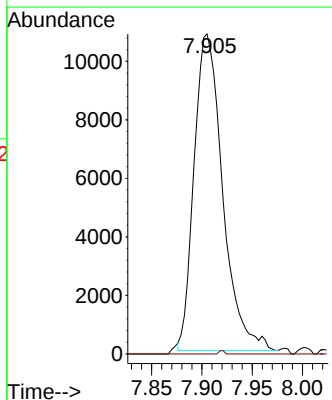
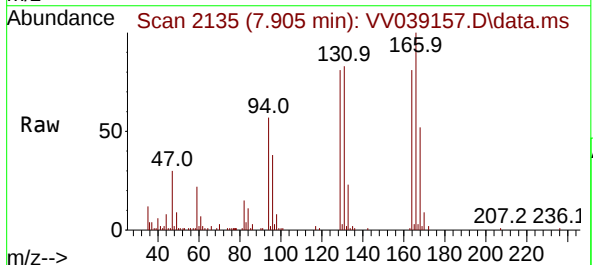
Instrument :
MSVOA_V
ClientSampleId :
FW7D

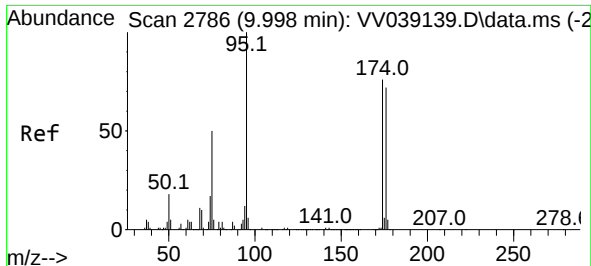
Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
58 62.5 28.3 85.0



#60
Dibromochloromethane
Concen: 1.256 ug/l
RT: 7.905 min Scan# 2135
Delta R.T. -0.260 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 129 Resp: 21401
Ion Ratio Lower Upper
129 100
127 0.2 39.3 117.9#

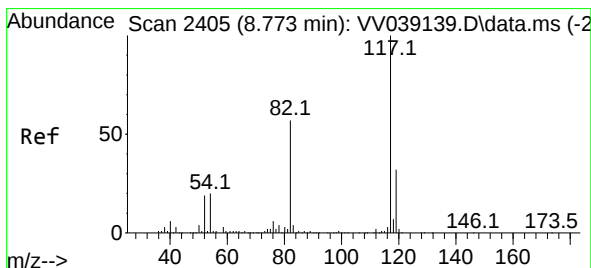
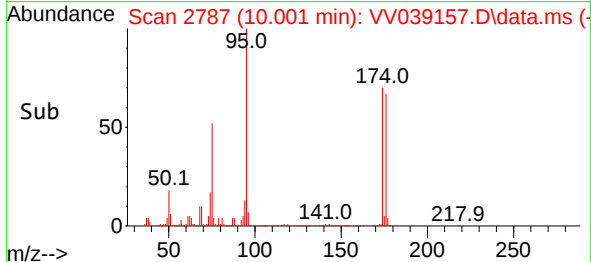
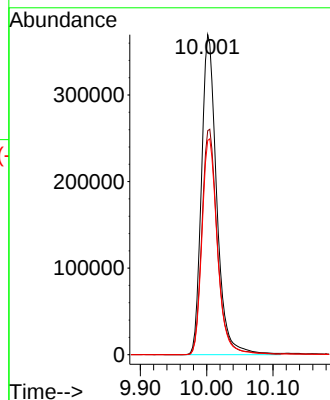
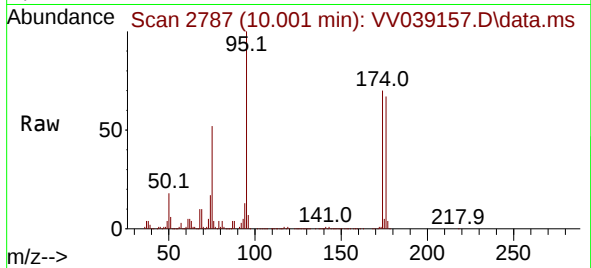




#62
4-Bromofluorobenzene
Concen: 41.746 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

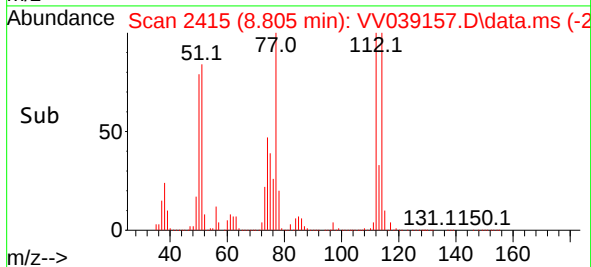
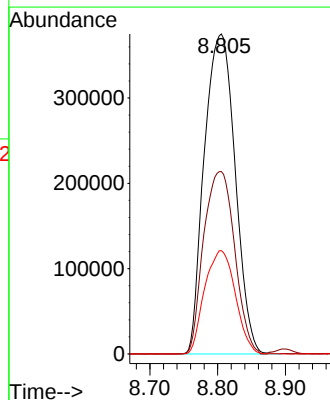
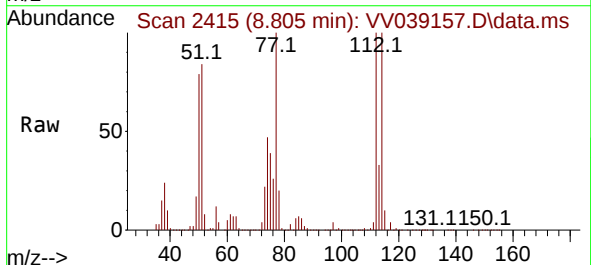
Instrument :
MSVOA_V
ClientSampleId :
FW7D

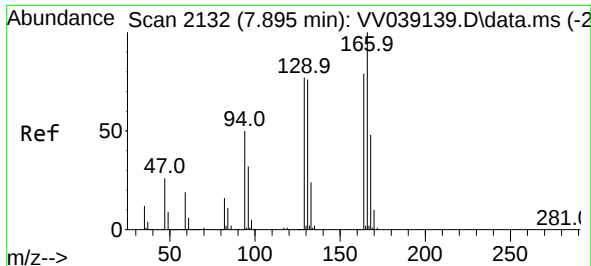
Tgt Ion: 95 Resp: 589602
Ion Ratio Lower Upper
95 100
174 71.8 0.0 150.4
176 68.6 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. 0.032 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 117 Resp: 1186446
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.2
119 32.3 25.6 38.4

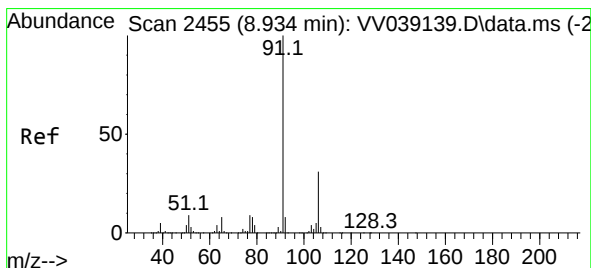
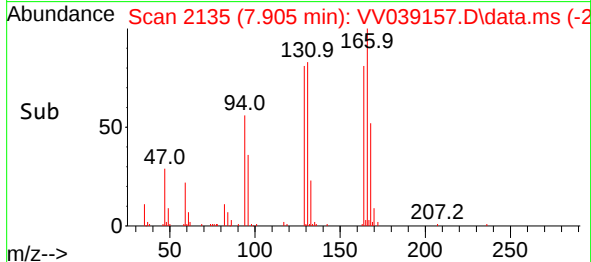
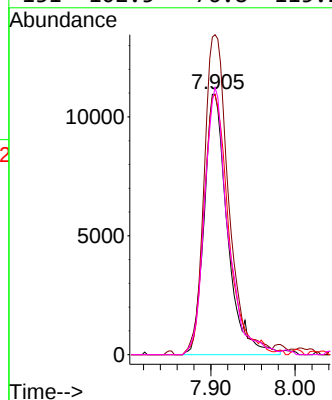
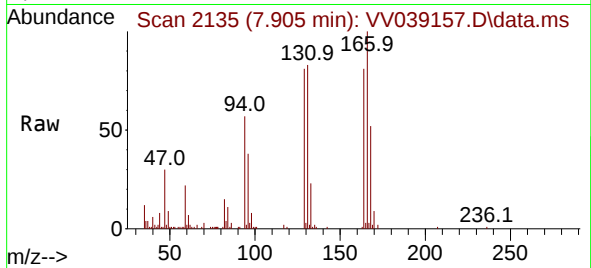




#64
Tetrachloroethene
Concen: 2.118 ug/l
RT: 7.905 min Scan# 2132
Delta R.T. 0.010 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

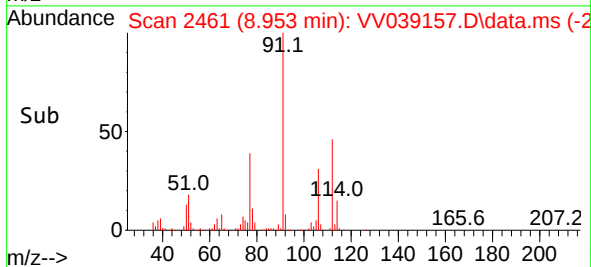
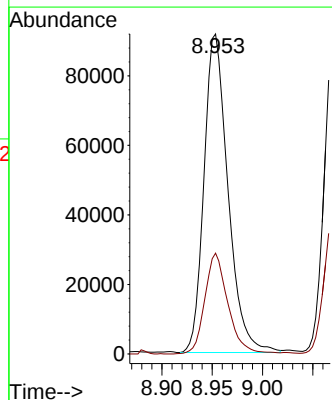
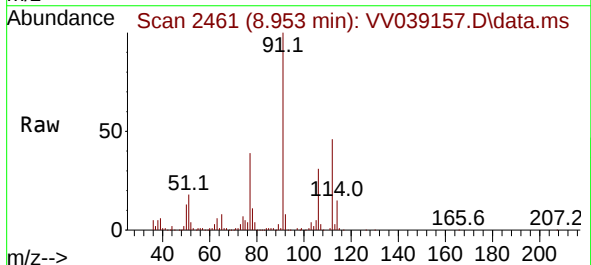
Instrument :
MSVOA_V
ClientSampleId :
FW7D

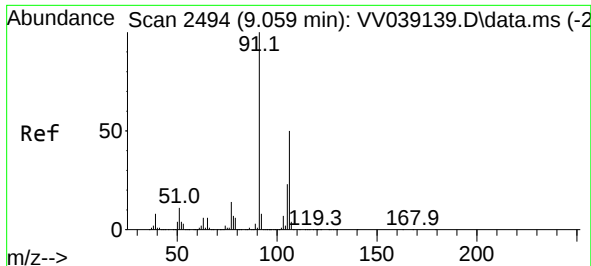
Tgt Ion:164 Resp: 21046
Ion Ratio Lower Upper
164 100
166 122.9 101.6 152.4
129 99.8 78.5 117.7
131 102.5 76.8 115.2



#67
Ethyl Benzene
Concen: 3.049 ug/l
RT: 8.953 min Scan# 2461
Delta R.T. 0.019 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 91 Resp: 152525
Ion Ratio Lower Upper
91 100
106 31.5 24.6 37.0

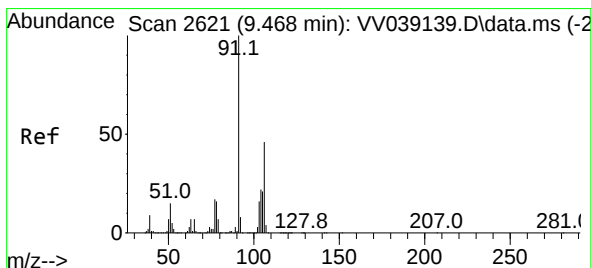
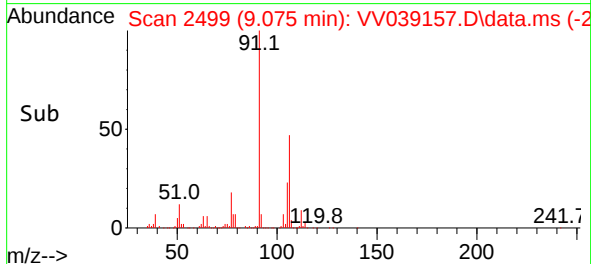
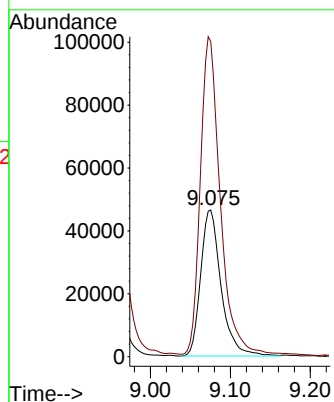
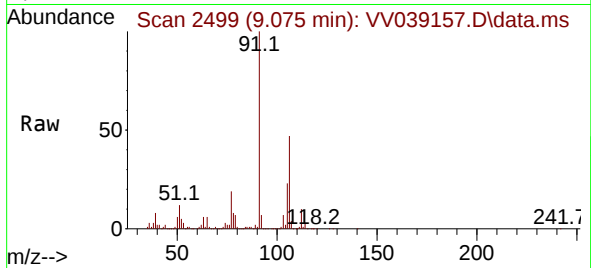




#68
m/p-Xylenes
Concen: 4.284 ug/l
RT: 9.075 min Scan# 2494
Delta R.T. 0.016 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

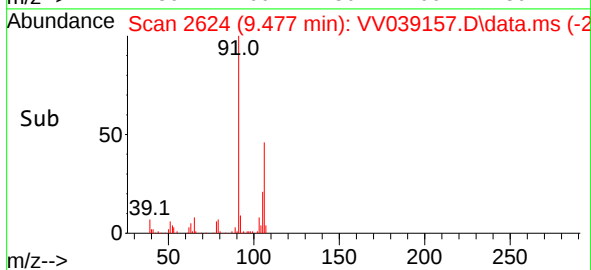
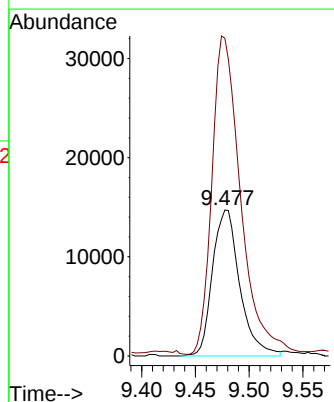
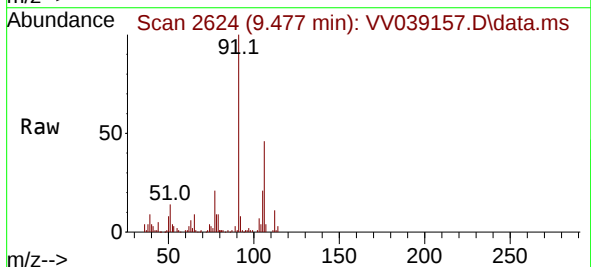
Instrument :
MSVOA_V
ClientSampleId :
FW7D

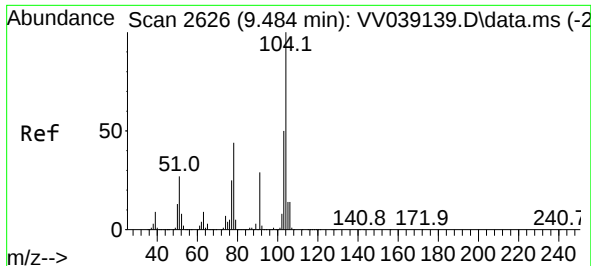
Tgt Ion:106 Resp: 82715
Ion Ratio Lower Upper
106 100
91 214.6 162.5 243.7



#69
o-Xylene
Concen: 1.519 ug/l
RT: 9.477 min Scan# 2624
Delta R.T. 0.010 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion:106 Resp: 25960
Ion Ratio Lower Upper
106 100
91 230.1 109.1 327.3

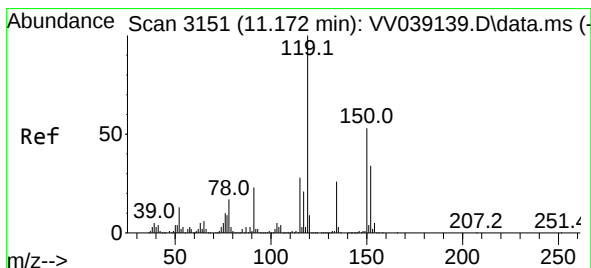
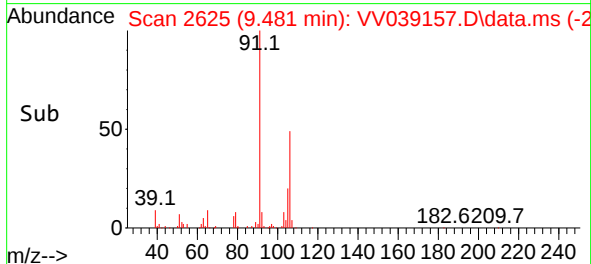
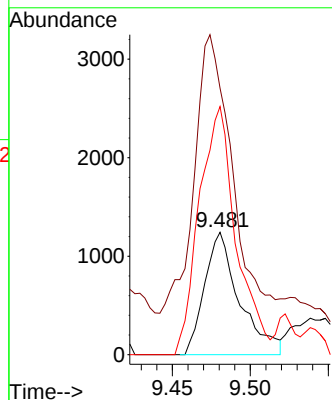
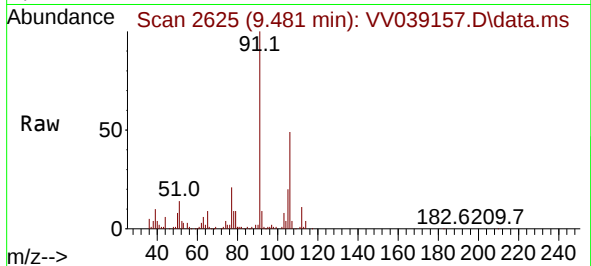




#70
Styrene
Concen: 1.613 ug/l
RT: 9.481 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

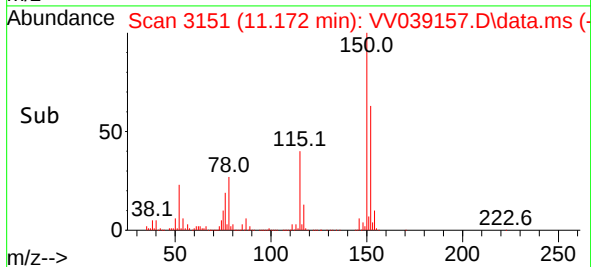
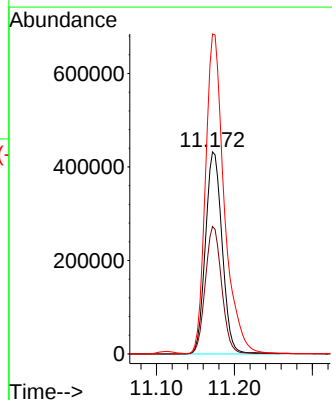
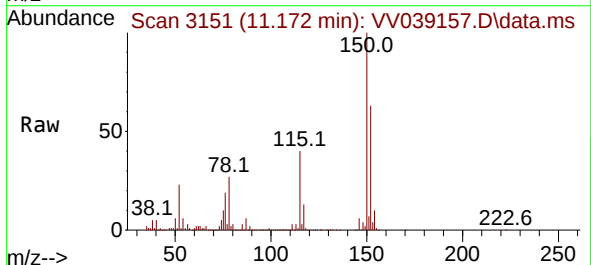
Instrument :
MSVOA_V
ClientSampleId :
FW7D

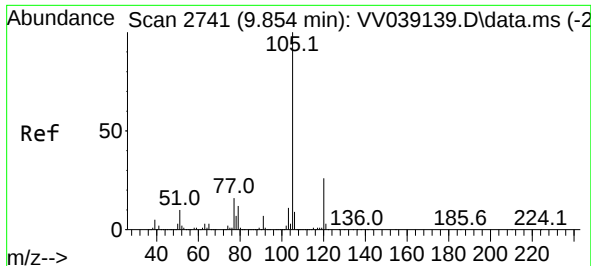
Tgt Ion:104 Resp: 1936
Ion Ratio Lower Upper
104 100
78 240.7 39.8 59.6#
103 214.7 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion:152 Resp: 645392
Ion Ratio Lower Upper
152 100
115 62.1 44.8 134.4
150 176.6 0.0 353.8

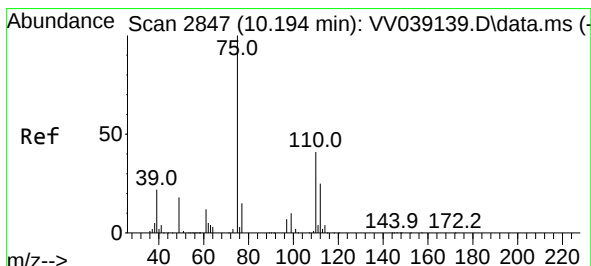
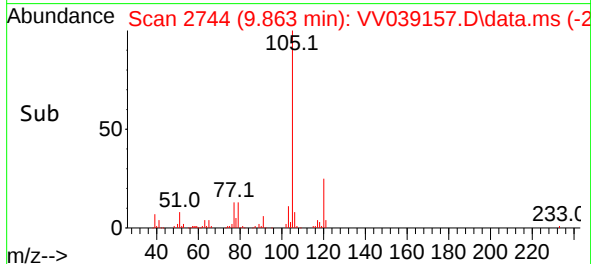
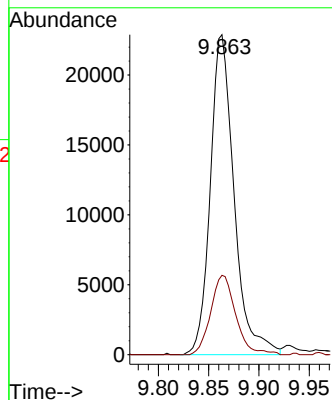
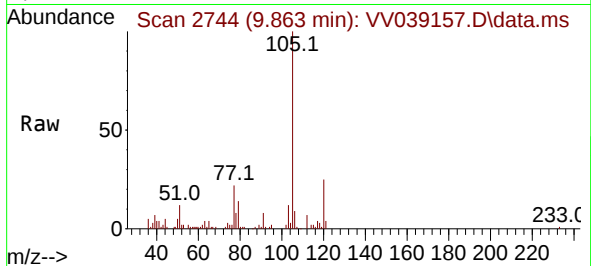




#73
Isopropylbenzene
Concen: 0.805 ug/l
RT: 9.863 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

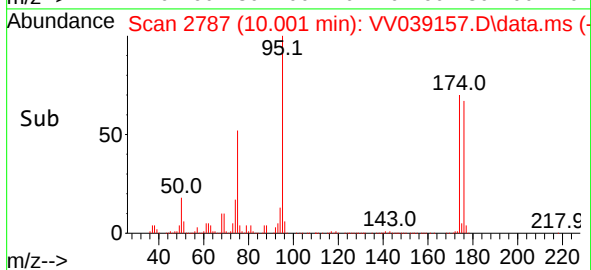
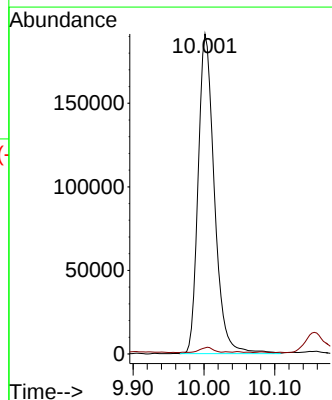
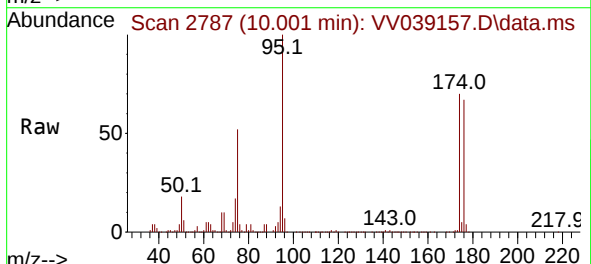
Instrument :
MSVOA_V
ClientSampleId :
FW7D

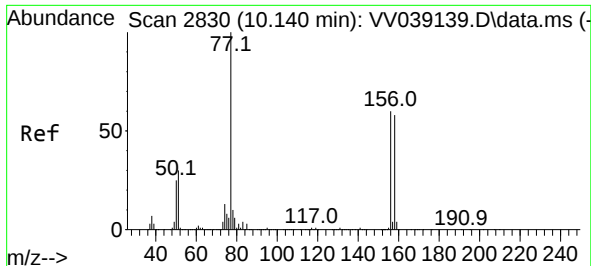
Tgt Ion:105 Resp: 37694
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1



#76
1,2,3-Trichloropropane
Concen: 20.720 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.193 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 75 Resp: 304471
Ion Ratio Lower Upper
75 100
77 1.2 11.3 33.8#

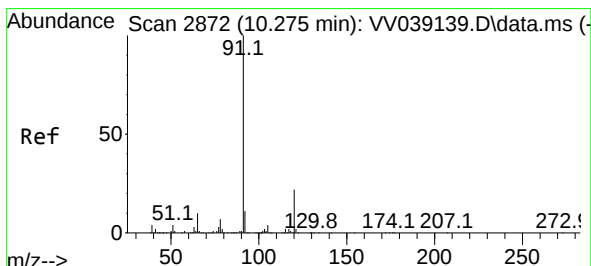
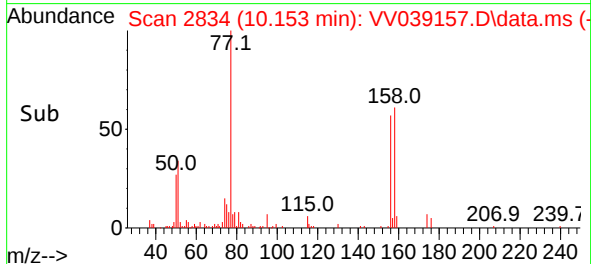
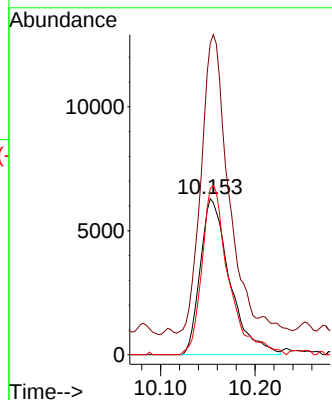
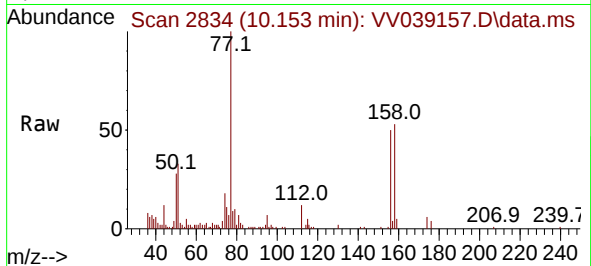




#77
Bromobenzene
Concen: 1.122 ug/l
RT: 10.153 min Scan# 2834
Delta R.T. 0.013 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

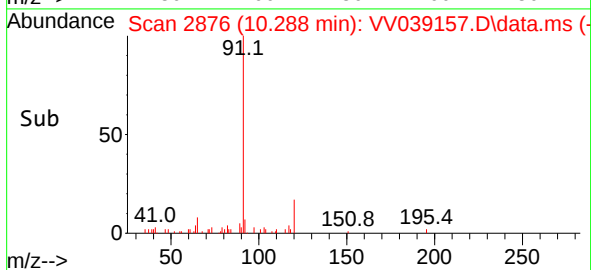
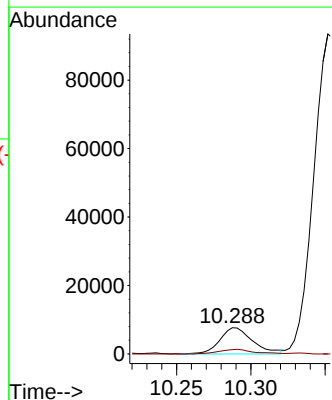
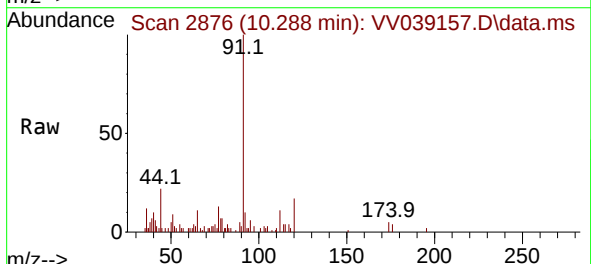
Instrument :
MSVOA_V
ClientSampleId :
FW7D

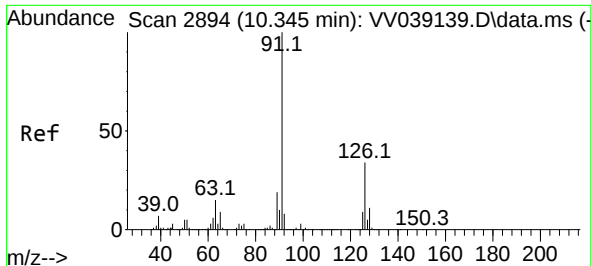
Tgt Ion:156 Resp: 13631
Ion Ratio Lower Upper
156 100
77 174.6 83.4 250.1
158 98.2 48.8 146.4



#78
n-propylbenzene
Concen: 0.206 ug/l
RT: 10.288 min Scan# 2876
Delta R.T. 0.013 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 91 Resp: 11754
Ion Ratio Lower Upper
91 100
120 18.7 11.1 33.3

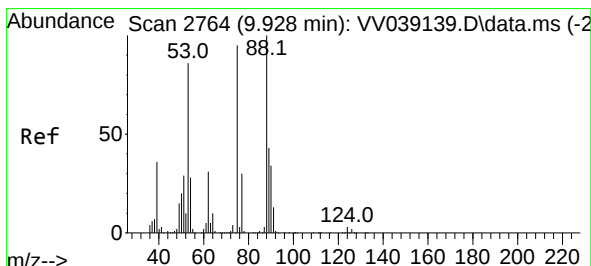
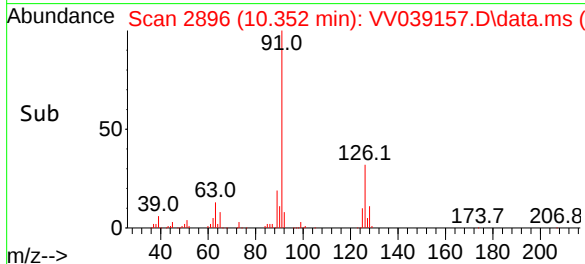
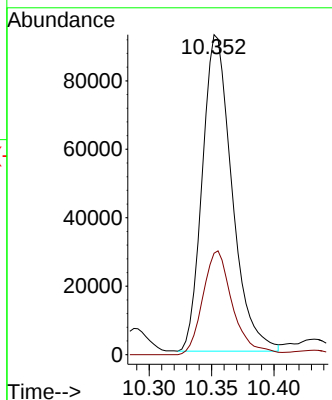
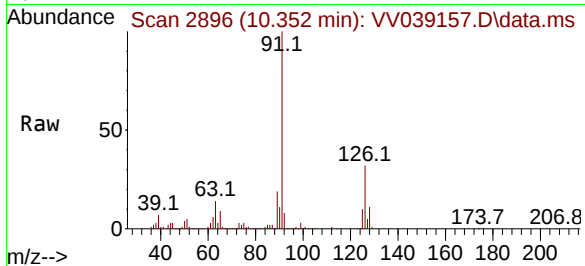




#79
2-Chlorotoluene
Concen: 4.485 ug/l
RT: 10.352 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

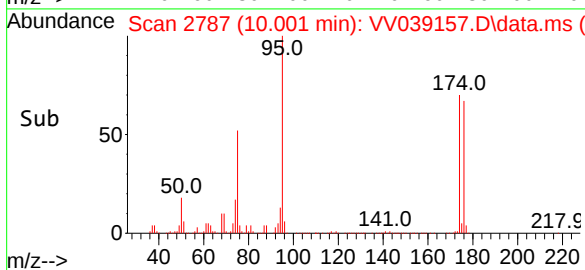
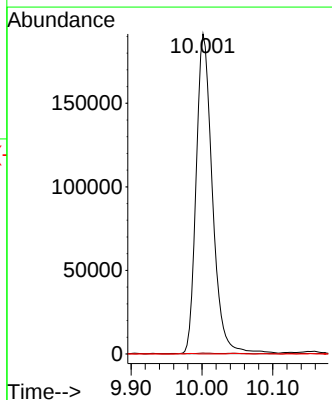
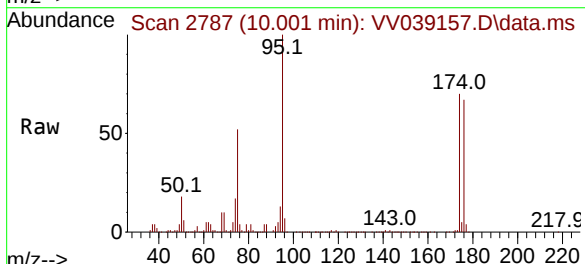
Instrument :
MSVOA_V
ClientSampleId :
FW7D

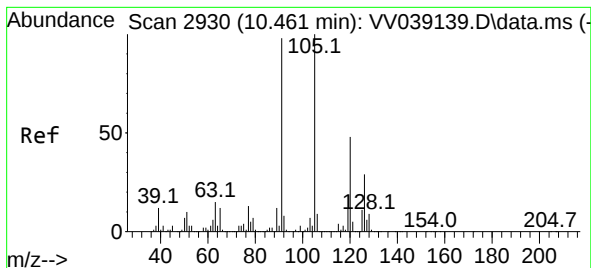
Tgt Ion: 91 Resp: 152988
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.0



#81
trans-1,4-Dichloro-2-butene
Concen: 49.742 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 75 Resp: 304471
Ion Ratio Lower Upper
75 100
53 0.3 72.5 108.7#
89 0.1 37.2 55.8#





#82

4-Chlorotoluene

Concen: 3.868 ug/l

RT: 10.352 min Scan# 21

Delta R.T. -0.109 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

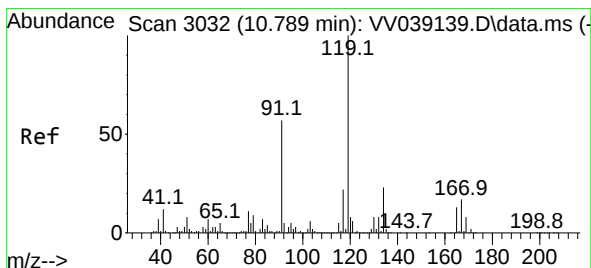
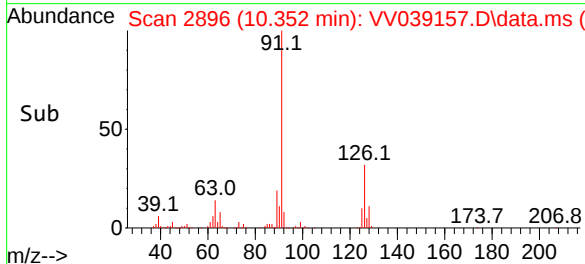
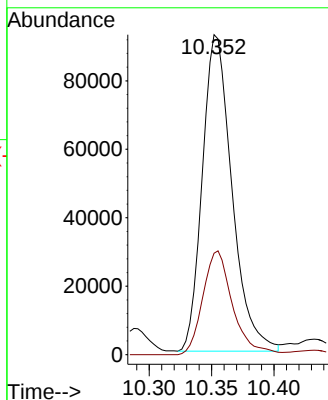
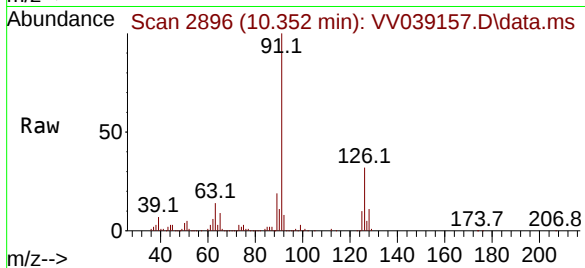
FW7D

Tgt Ion: 91 Resp: 152988

Ion Ratio Lower Upper

91 100

126 32.8 14.5 43.6



#83

tert-Butylbenzene

Concen: 0.668 ug/l

RT: 10.792 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

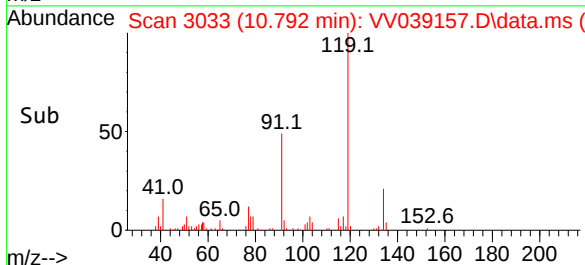
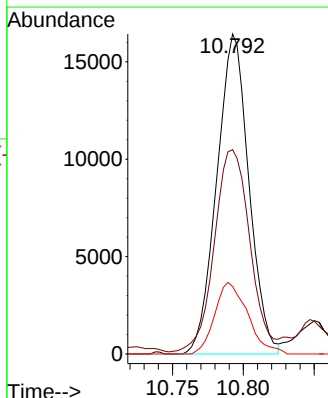
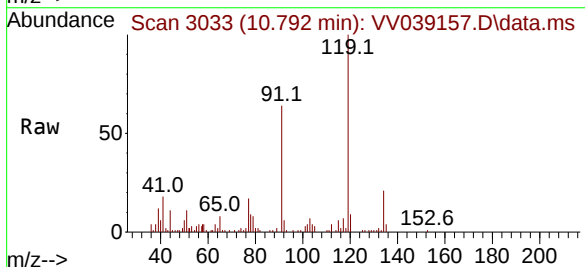
Tgt Ion: 119 Resp: 25904

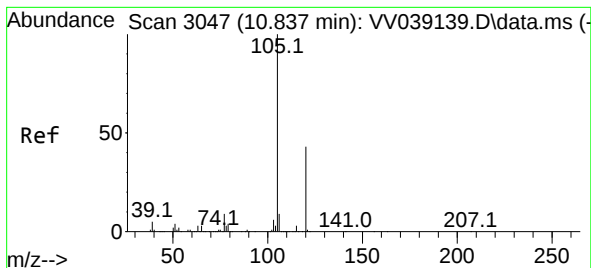
Ion Ratio Lower Upper

119 100

91 69.7 28.5 85.6

134 22.9 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 0.569 ug/l

RT: 10.847 min Scan# 3047

Delta R.T. 0.010 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

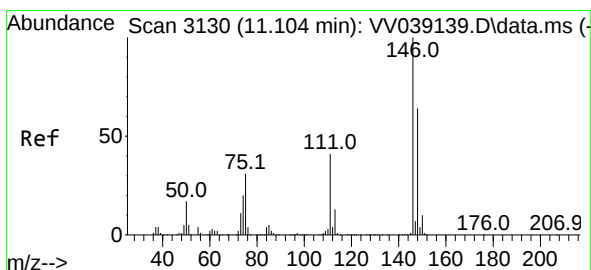
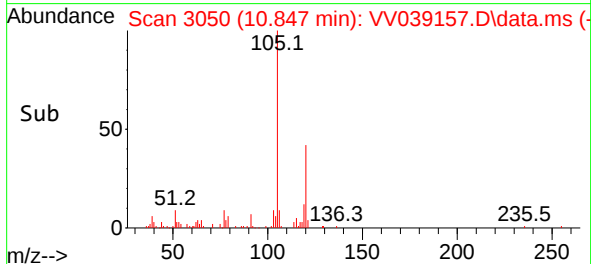
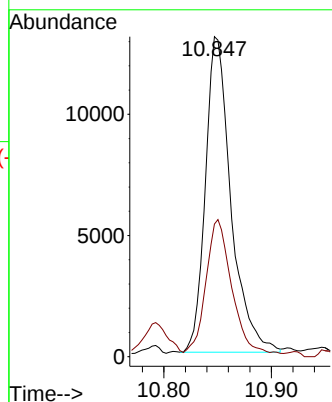
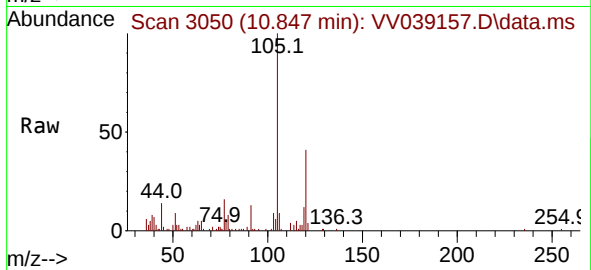
FW7D

Tgt Ion:105 Resp: 21492

Ion Ratio Lower Upper

105 100

120 45.6 22.4 67.2



#87

1,3-Dichlorobenzene

Concen: 3.550 ug/l

RT: 11.111 min Scan# 3132

Delta R.T. 0.006 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

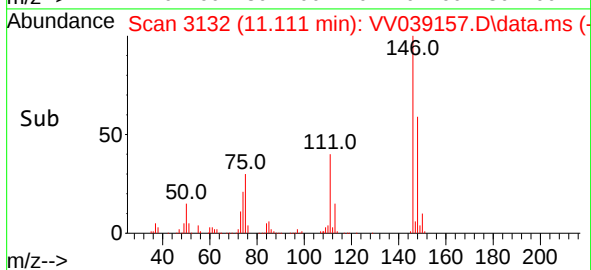
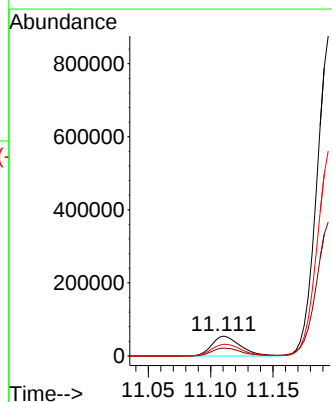
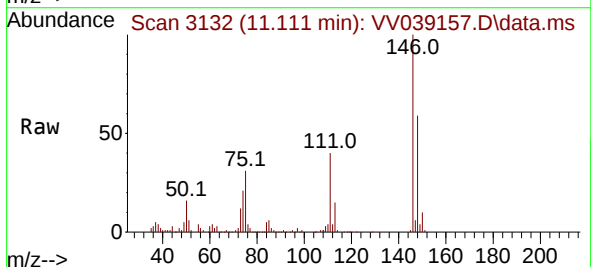
Tgt Ion:146 Resp: 87249

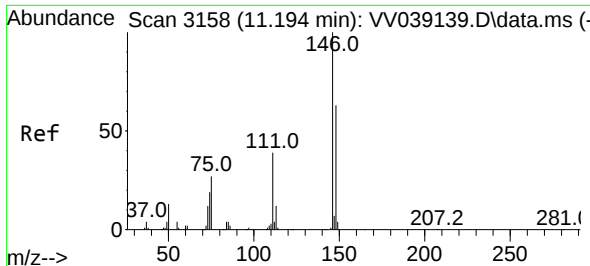
Ion Ratio Lower Upper

146 100

111 41.7 20.9 62.8

148 62.4 31.8 95.3

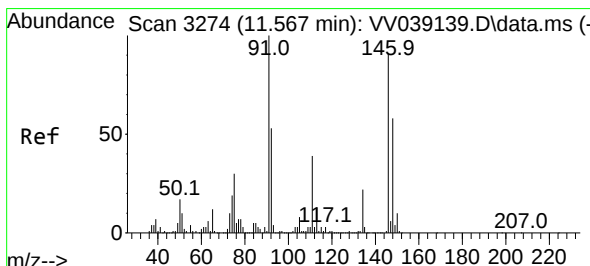
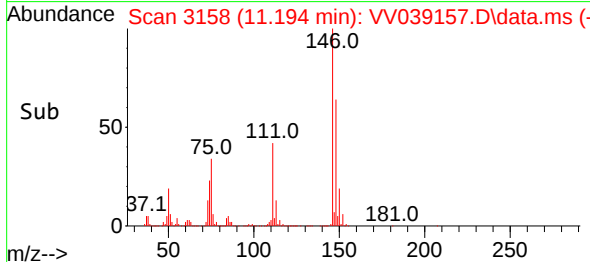
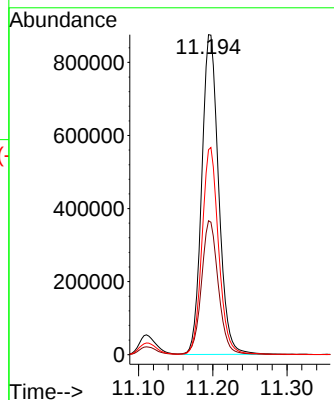
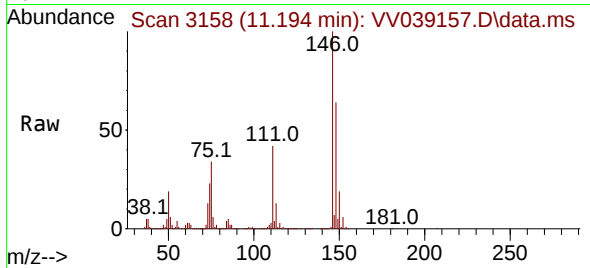




#88
 1,4-Dichlorobenzene
 Concen: 51.115 ug/l
 RT: 11.194 min Scan# 3158
 Delta R.T. -0.000 min
 Lab File: VV039157.D
 Acq: 24 Sep 2025 17:00

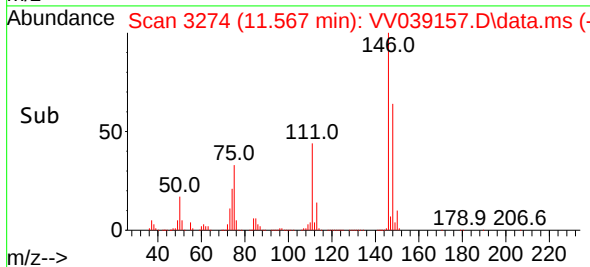
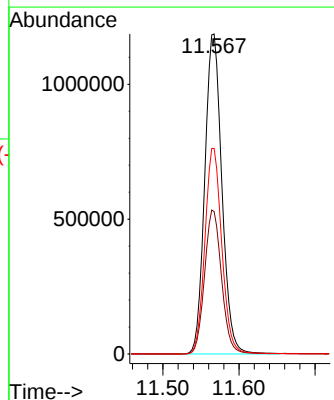
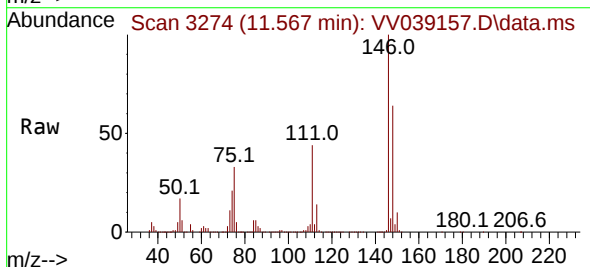
Instrument :
 MSVOA_V
 ClientSampleId :
 FW7D

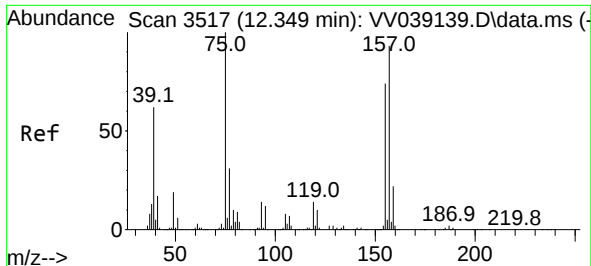
Tgt Ion:146 Resp: 1378381
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.3 60.8
 148 63.8 31.4 94.2



#91
 1,2-Dichlorobenzene
 Concen: 80.719 ug/l
 RT: 11.567 min Scan# 3274
 Delta R.T. 0.000 min
 Lab File: VV039157.D
 Acq: 24 Sep 2025 17:00

Tgt Ion:146 Resp: 1853630
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.5 64.5
 148 63.6 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 12.336 min Scan# 3513

Delta R.T. -0.013 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

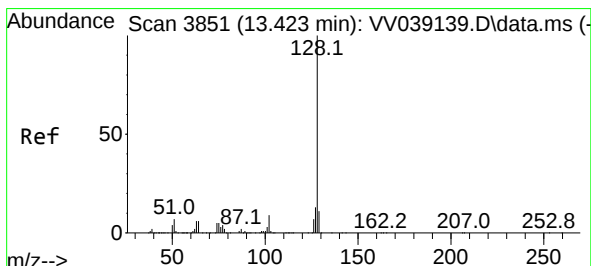
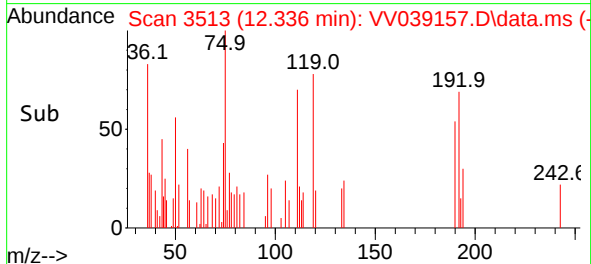
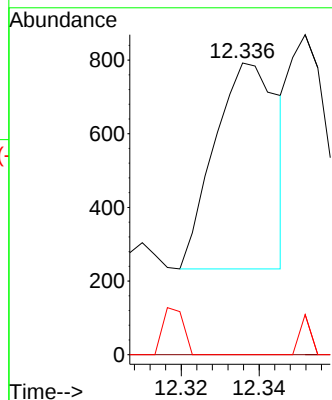
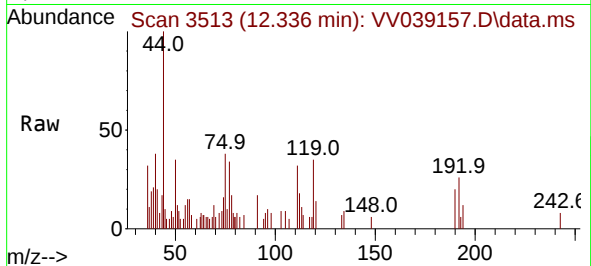
Tgt Ion: 75 Resp: 628

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

157 3.3 49.5 148.3#



#95

Naphthalene

Concen: 0.434 ug/l

RT: 13.442 min Scan# 3857

Delta R.T. 0.019 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Tgt Ion: 128 Resp: 18472

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 6.4 8.6 13.0#

