

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039154.D
 Acq On : 24 Sep 2025 15:53
 Operator : SY/MD
 Sample : Q3175-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW4

Quant Time: Sep 25 04:48:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	627637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	1091934	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1002921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	492612	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	423649	46.638	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	93.280%
35) Dibromofluoromethane	4.503	113	340181	38.753	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	77.500%#
50) Toluene-d8	7.236	98	1230675	47.734	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	95.460%
62) 4-Bromofluorobenzene	10.001	95	513340	48.366	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	96.740%

Target Compounds					Qvalue	
3) Chloromethane	1.204	50	36134	3.388	ug/l #	48
11) Tert butyl alcohol	2.571	59	138436	72.106	ug/l #	73
13) Acrolein	1.992	56	44260	132.857	ug/l #	1
14) Allyl chloride	2.452	41	423210	25.036	ug/l #	73
15) Acrylonitrile	2.706	53	48114	7.818	ug/l #	37
16) Acetone	2.098	43	120503	16.206	ug/l #	50
17) Carbon Disulfide	2.262	76	16408	0.567	ug/l #	91
18) Methyl Acetate	2.481	43	2462196	182.940	ug/l #	52
19) Methyl tert-butyl Ether	2.712	73	331995	11.010	ug/l #	1
20) Methylene Chloride	2.400	84	11183	Below Cal	#	15
22) Diisopropyl ether	3.217	45	7116	0.220	ug/l #	70
23) Vinyl Acetate	3.204	43	24216	0.856	ug/l #	80
25) 2-Butanone	3.674	43	300174	41.267	ug/l #	49
26) 2,2-Dichloropropane	3.677	77	29658	1.691	ug/l #	52
29) Tetrahydrofuran	4.294	42	1529	0.336	ug/l #	1
30) Chloroform	4.317	83	27720	1.342	ug/l #	76
31) Cyclohexane	4.583	56	2558050	157.888	ug/l	98
36) 1,1-Dichloropropene	4.600	75	55151	4.155	ug/l #	50
37) Ethyl Acetate	3.918	43	7712	0.479	ug/l #	73
38) Carbon Tetrachloride	4.600	117	66737	4.114	ug/l #	15
39) Methylcyclohexane	6.046	83	3663235	228.559	ug/l	99
41) Methacrylonitrile	4.172	41	7709	2.929	ug/l #	38
42) 1,2-Dichloroethane	5.011	62	525888	34.728	ug/l	77
43) Isopropyl Acetate	5.233	43	61418	2.797	ug/l #	60
45) 1,2-Dichloropropane	6.043	63	39573	3.684	ug/l #	1
47) Bromodichloromethane	6.387	83	9268	0.545	ug/l #	83
48) Methyl methacrylate	6.281	41	160020	16.077	ug/l #	46
49) 1,4-Dioxane	6.291	88	75	0.467	ug/l #	1
51) 4-Methyl-2-Pentanone	7.181	43	77353	5.355	ug/l #	53
52) Toluene	7.307	92	1785393	71.251	ug/l	98
55) 1,1,2-Trichloroethane	7.709	97	242996	21.627	ug/l #	18
56) Ethyl methacrylate	7.709	69	59771	4.480	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.776	63	5331	10.303	ug/l #	49
59) 2-Hexanone	8.214	43	48850	6.476	ug/l	75
68) m/p-Xylenes	8.937	106	10948574	670.824	ug/l #	1
69) o-Xylene	9.468	106	3284665	227.292	ug/l	99

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

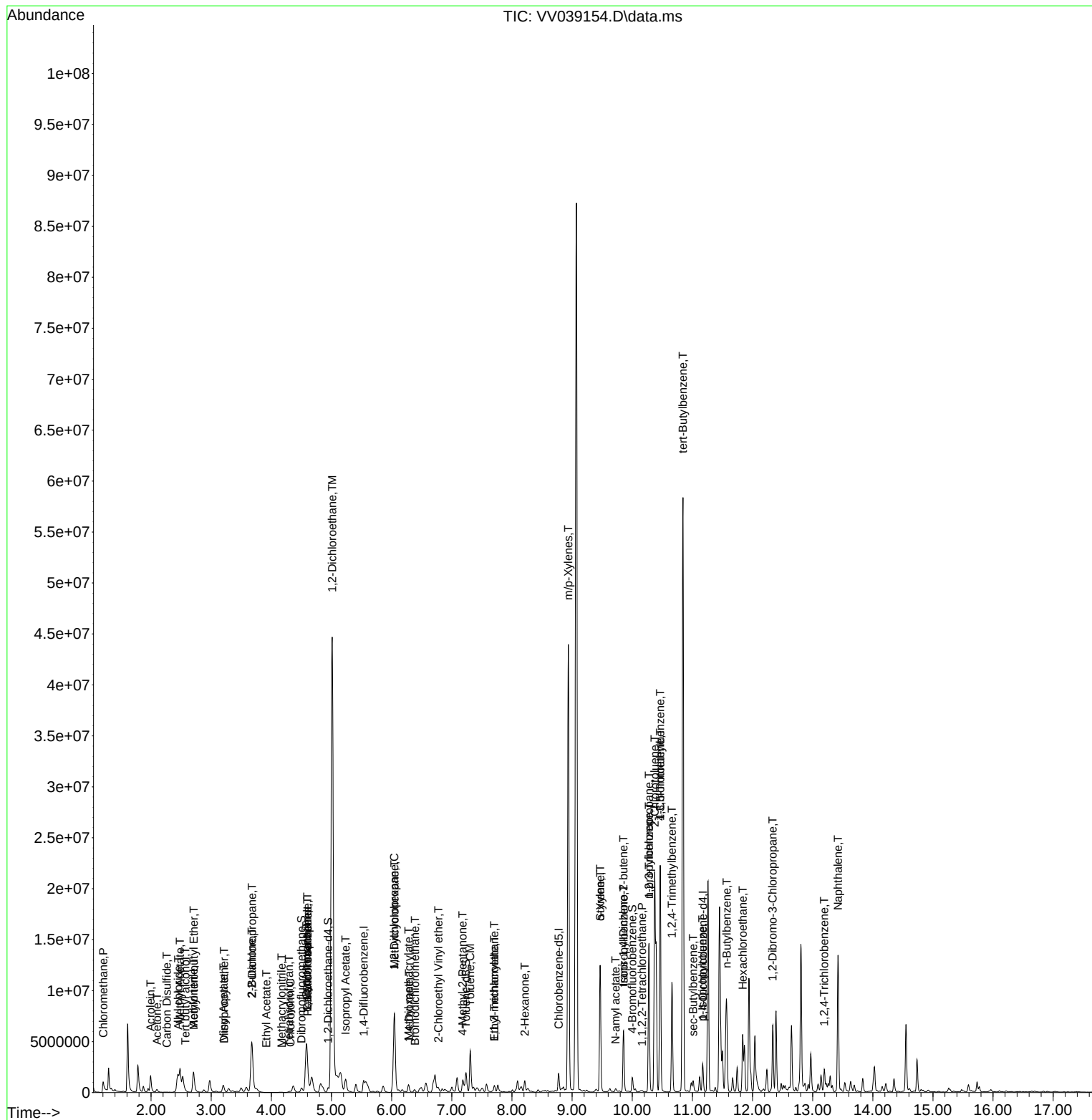
70) Styrene	9.468	104	167921	6.843	ug/l #	1
73) Isopropylbenzene	9.857	105	3830198	107.200	ug/l	100
74) N-amyl acetate	9.722	43	14437	1.013	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.165	83	7826	0.500	ug/l #	40
76) 1,2,3-Trichloropropane	10.278	75	68701	6.125	ug/l #	1
78) n-propylbenzene	10.278	91	10733473	246.691	ug/l	98
79) 2-Chlorotoluene	10.374	91	2610937	100.286	ug/l #	42
80) 1,3,5-Trimethylbenzene	10.464	105	11542912	388.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.853	75	43585	9.329	ug/l #	53
82) 4-Chlorotoluene	10.464	91	1311260	43.435	ug/l #	46
83) tert-Butylbenzene	10.844	119	4288613	144.821	ug/l #	52
84) 1,2,4-Trimethylbenzene	10.660	105	6296085	218.373	ug/l	77
85) sec-Butylbenzene	11.014	105	722406	18.392	ug/l	98
86) p-Isopropyltoluene	11.168	119	463357	14.174	ug/l	97
89) n-Butylbenzene	11.574	91	1829252	58.589	ug/l #	27
90) Hexachloroethane	11.837	117	280344	34.824	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	12.336	75	26535	9.077	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.191	180	2186	0.218	ug/l #	1
95) Naphthalene	13.422	128	9872434	303.997	ug/l	99

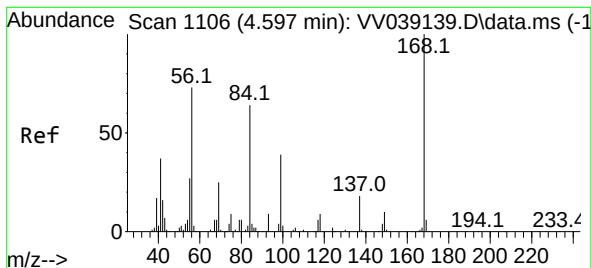
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 1106

Delta R.T. 0.006 min

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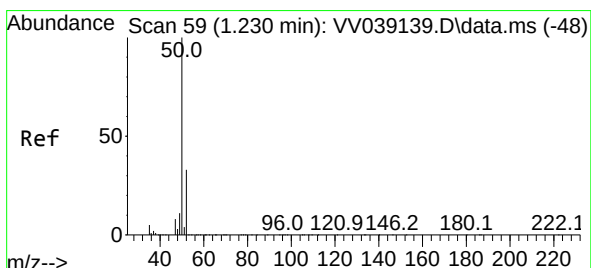
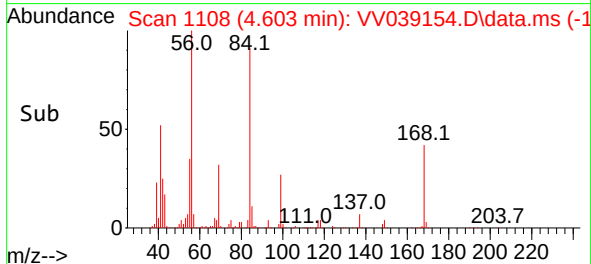
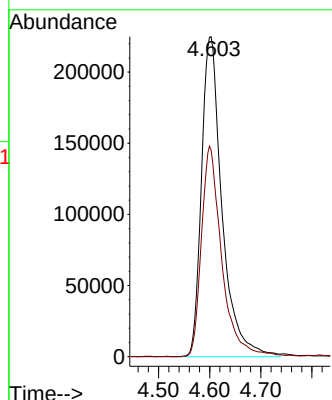
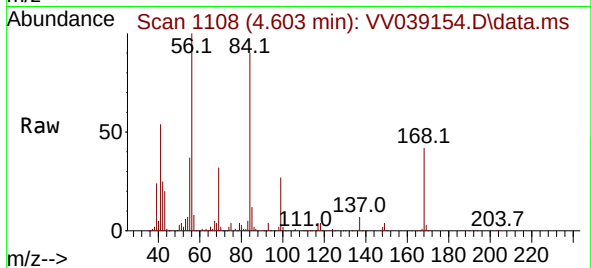
MW4

Tgt Ion:168 Resp: 627637

Ion Ratio Lower Upper

168 100

99 64.5 49.6 74.4



#3

Chloromethane

Concen: 3.388 ug/l

RT: 1.204 min Scan# 51

Delta R.T. -0.026 min

Lab File: VV039154.D

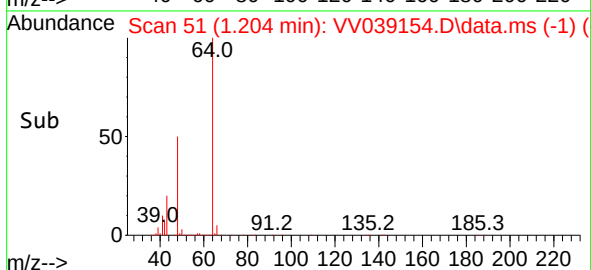
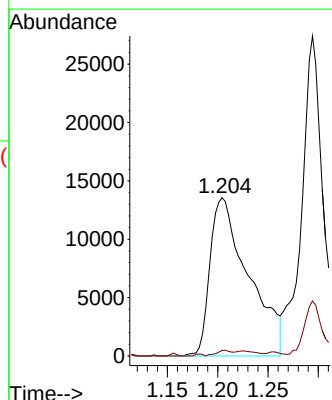
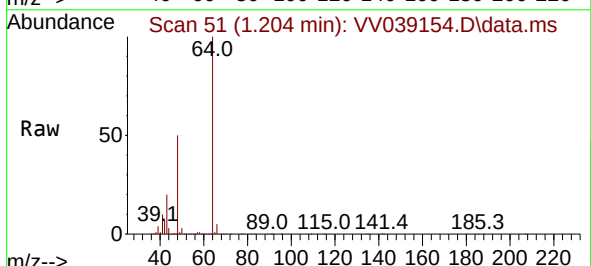
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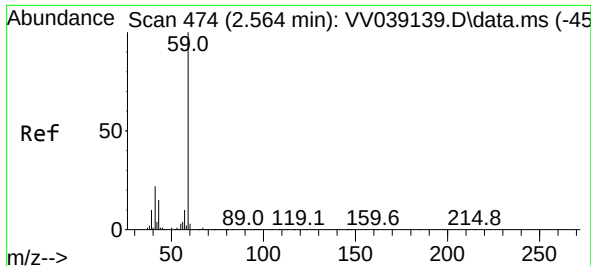
Tgt Ion: 50 Resp: 36134

Ion Ratio Lower Upper

50 100

52 3.5 26.0 39.0#

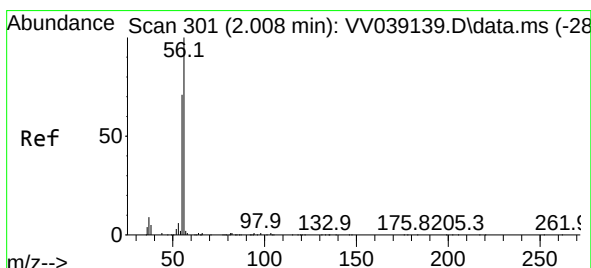
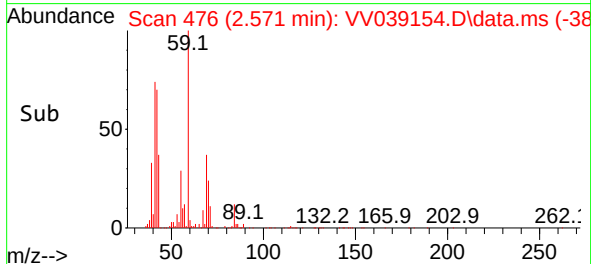
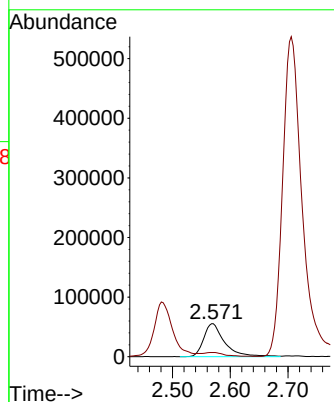
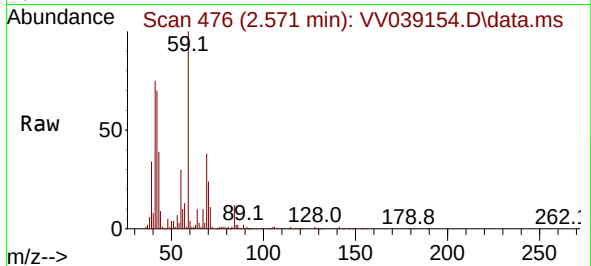




#11
Tert butyl alcohol
Concen: 72.106 ug/l
RT: 2.571 min Scan# 41
Delta R.T. 0.006 min
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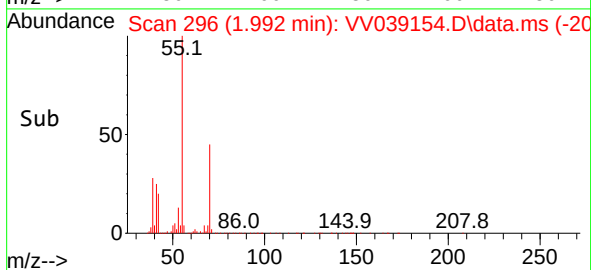
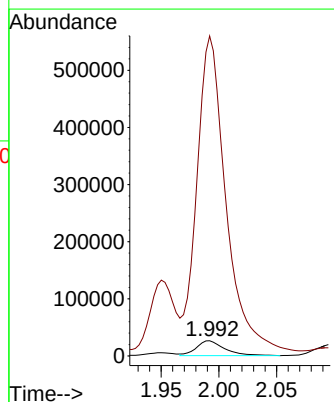
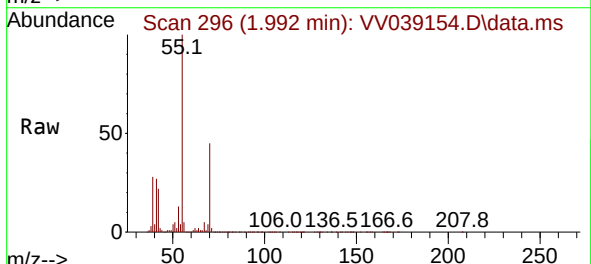
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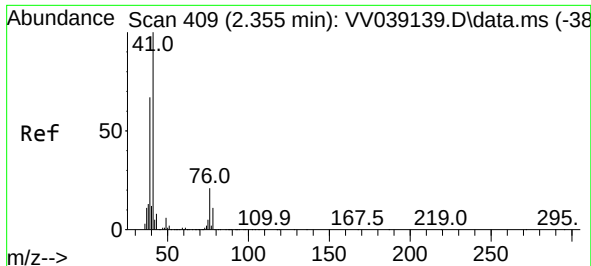
Tgt Ion: 59 Resp: 138436
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 132.857 ug/l
RT: 1.992 min Scan# 296
Delta R.T. -0.016 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 56 Resp: 44260
Ion Ratio Lower Upper
56 100
55 2275.2 56.2 84.4#

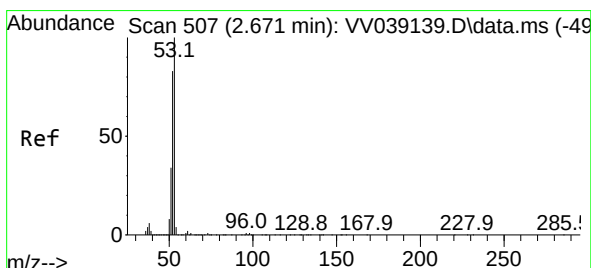
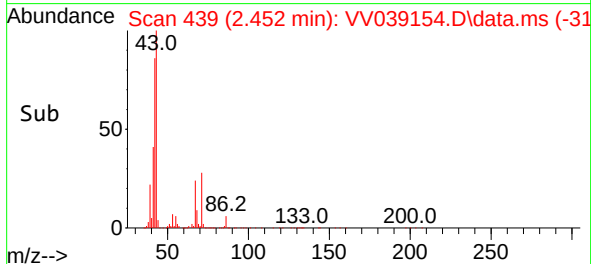
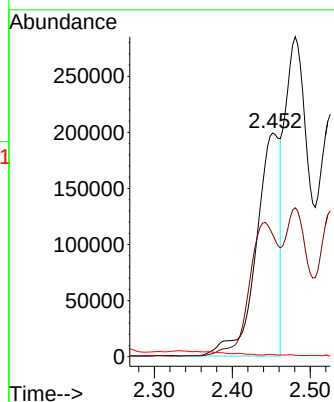
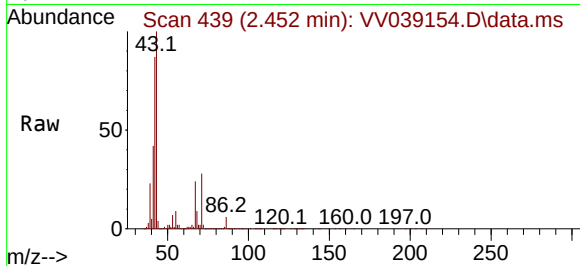




#14
 Allyl chloride
 Concen: 25.036 ug/l
 RT: 2.452 min Scan# 41
 Delta R.T. 0.096 min
 Lab File: VV039154.D
 Acq: 24 Sep 2025 15:53

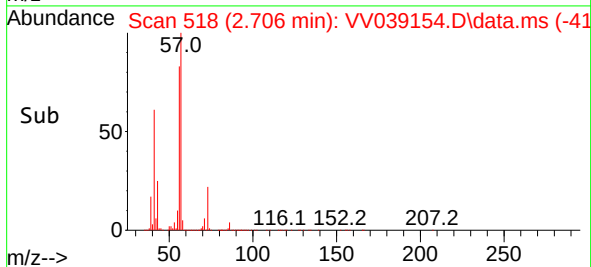
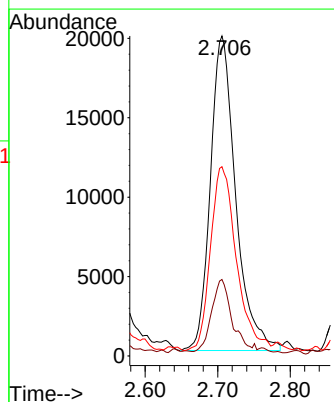
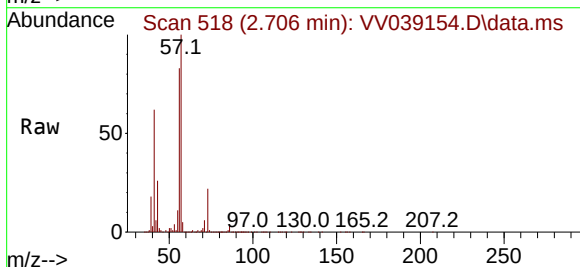
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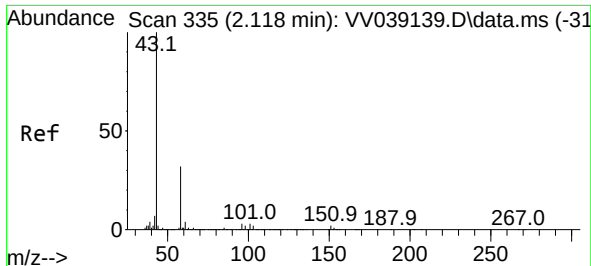
Tgt Ion: 41 Resp: 423210
 Ion Ratio Lower Upper
 41 100
 39 70.9 51.0 76.6
 76 0.1 28.2 42.4#



#15
 Acrylonitrile
 Concen: 7.818 ug/l
 RT: 2.706 min Scan# 518
 Delta R.T. 0.035 min
 Lab File: VV039154.D
 Acq: 24 Sep 2025 15:53

Tgt Ion: 53 Resp: 48114
 Ion Ratio Lower Upper
 53 100
 52 18.0 66.1 99.1#
 51 59.7 28.5 42.7#

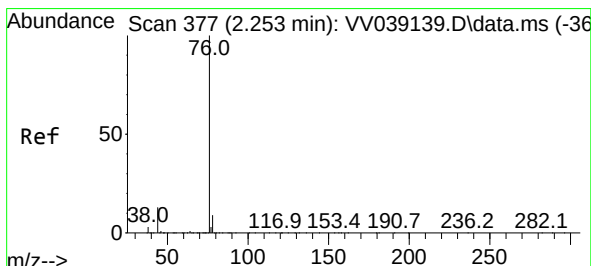
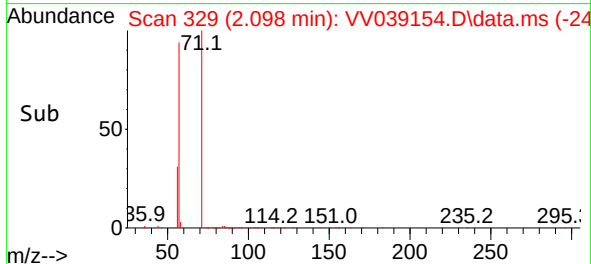
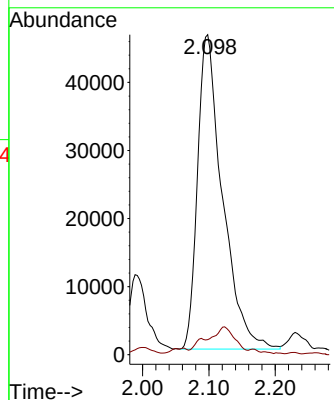
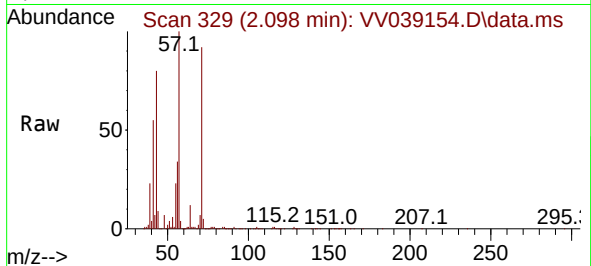




#16
Acetone
Concen: 16.206 ug/l
RT: 2.098 min Scan# 31
Delta R.T. -0.020 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

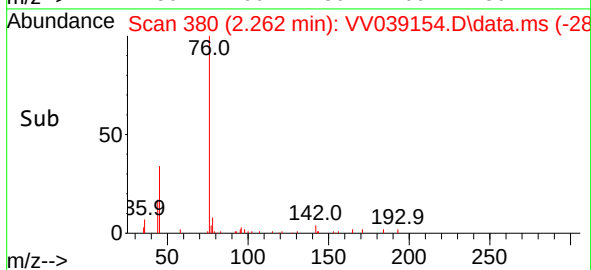
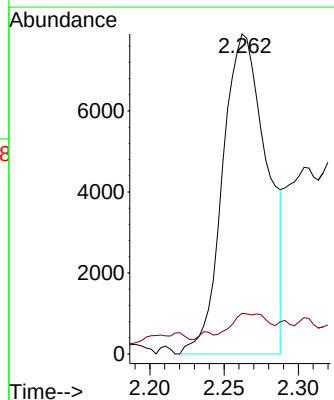
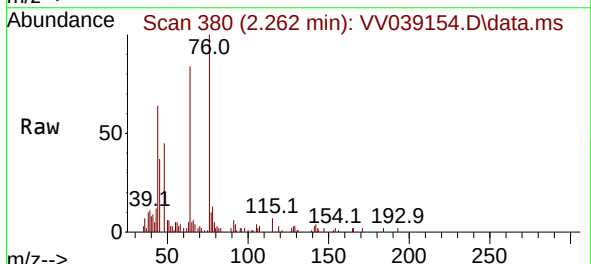
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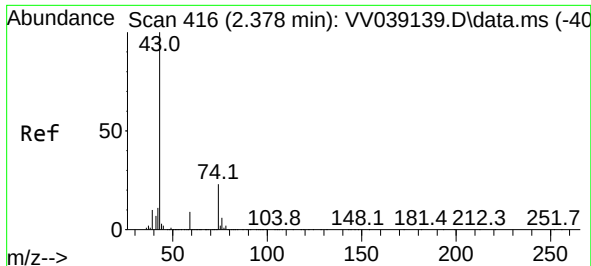
Tgt Ion: 43 Resp: 120503
Ion Ratio Lower Upper
43 100
58 4.3 25.8 38.6#



#17
Carbon Disulfide
Concen: 0.567 ug/l
RT: 2.262 min Scan# 380
Delta R.T. 0.009 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 76 Resp: 16408
Ion Ratio Lower Upper
76 100
78 6.0 7.4 11.0#

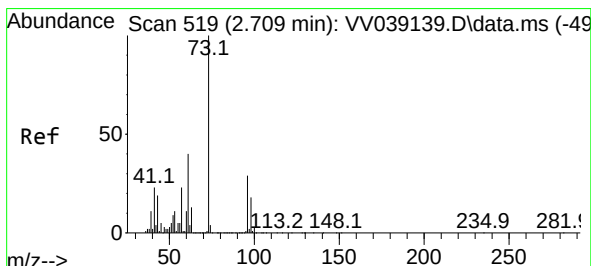
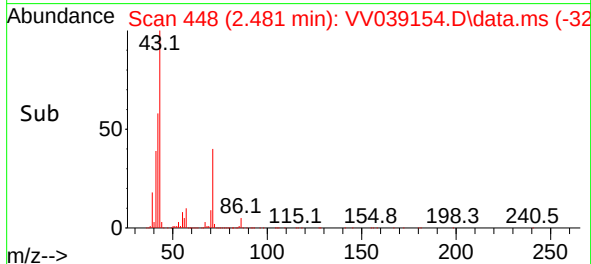
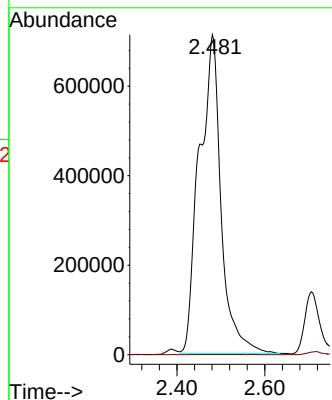
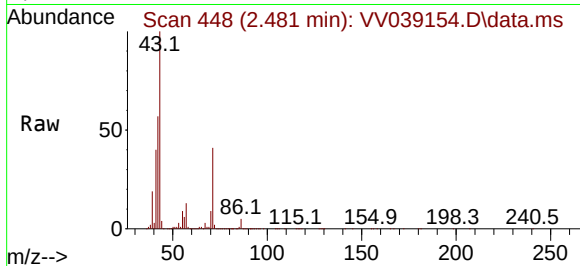




#18
Methyl Acetate
Concen: 182.940 ug/l
RT: 2.481 min Scan# 448
Delta R.T. 0.103 min
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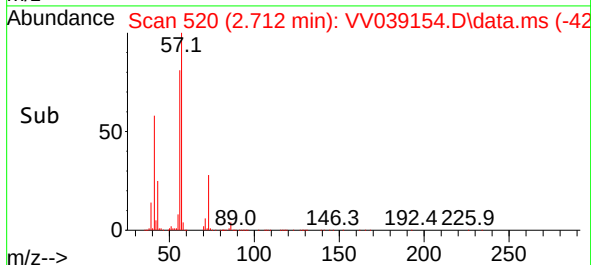
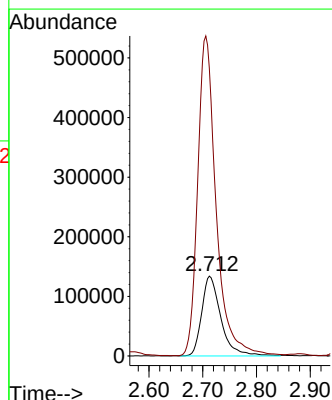
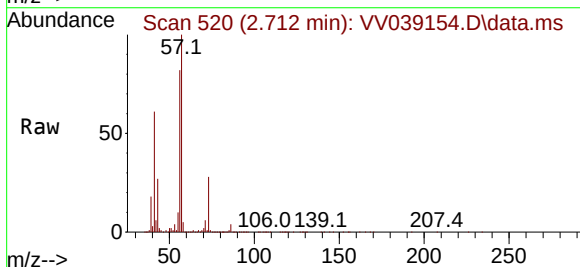
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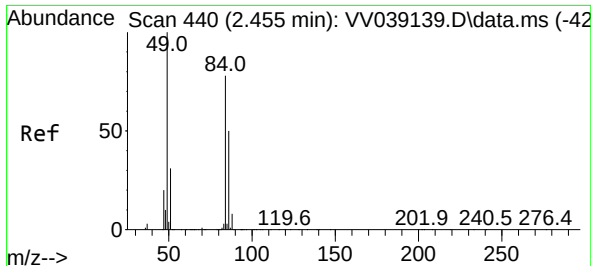
Tgt Ion: 43 Resp: 2462196
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 11.010 ug/l
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 73 Resp: 331995
Ion Ratio Lower Upper
73 100
57 359.8 18.2 27.4#

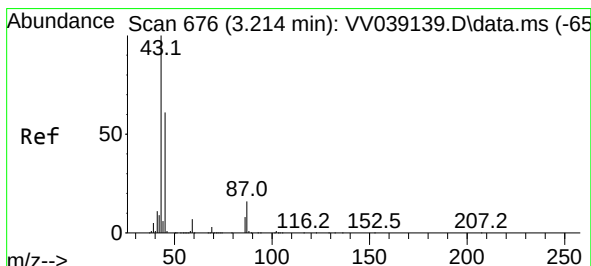
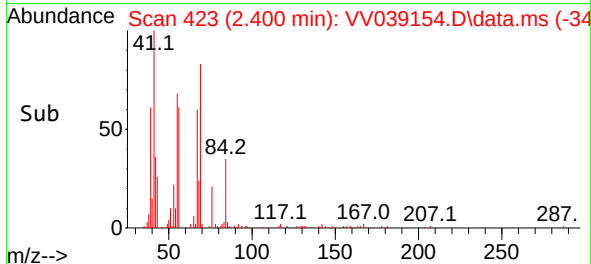
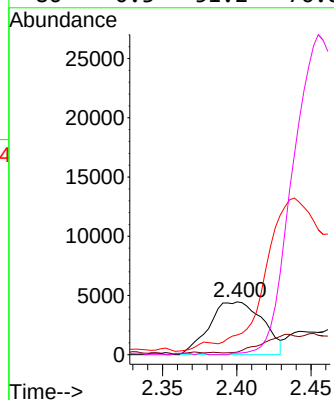
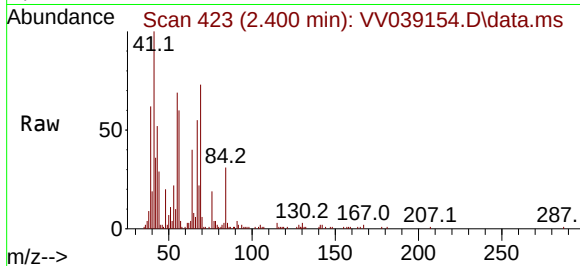




#20
Methylene Chloride
Concen: Below Cal
RT: 2.400 min Scan# 41
Delta R.T. -0.055 min
Lab File: VV039154.D
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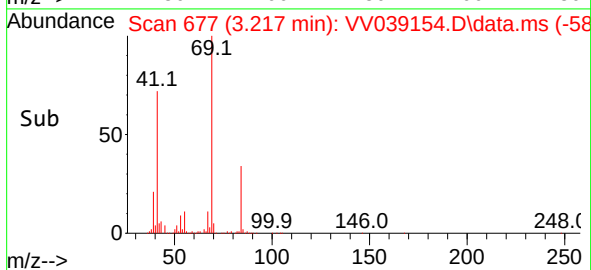
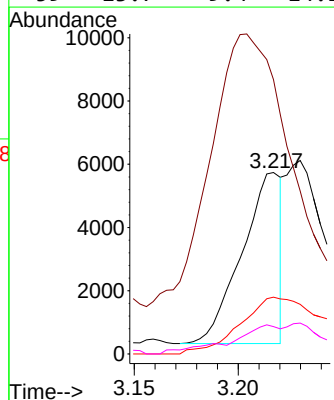
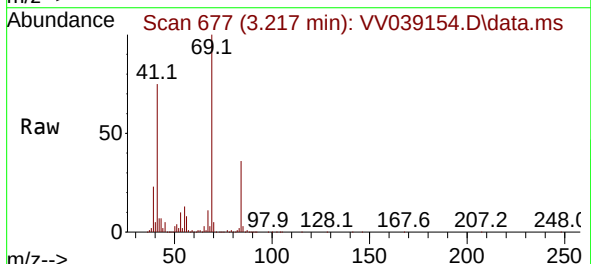
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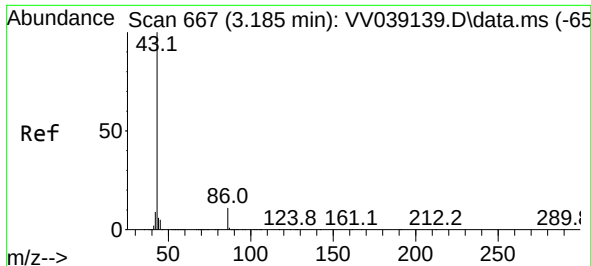
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Ion Ratio Lower Upper
84 100
49 2.6 102.8 154.2#
51 30.4 31.9 47.9#
86 0.3 51.2 76.8#



#22
Diisopropyl ether
Concen: 0.220 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.003 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 45 Resp: 7116
Ion Ratio Lower Upper
45 100
43 118.1 130.9 196.3#
87 33.2 21.1 31.7#
59 13.7 9.4 14.2

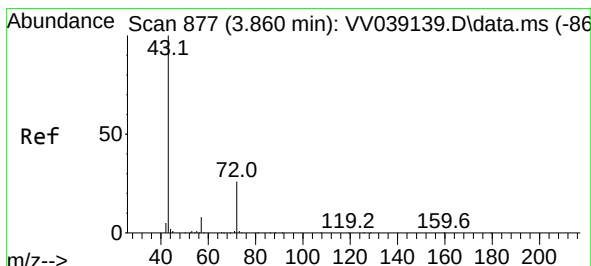
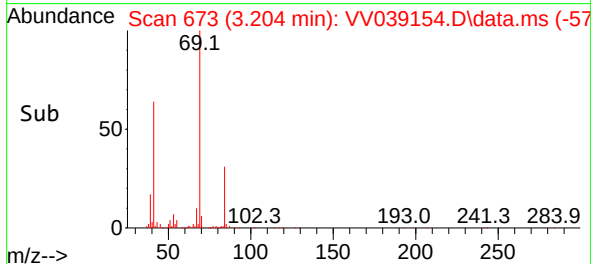
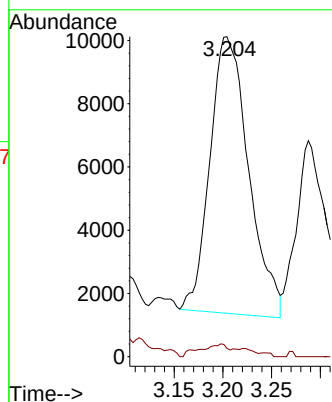
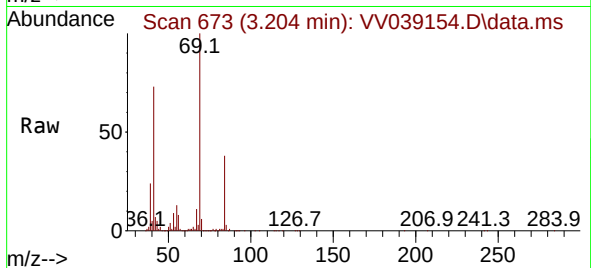




#23
 Vinyl Acetate
 Concen: 0.856 ug/l
 RT: 3.204 min Scan# 61
 Delta R.T. 0.019 min
 Lab File: VV039154.D
 Acq: 24 Sep 2025 15:53

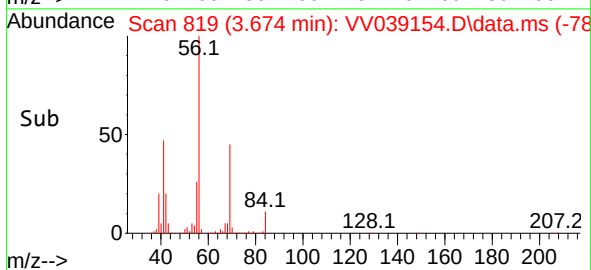
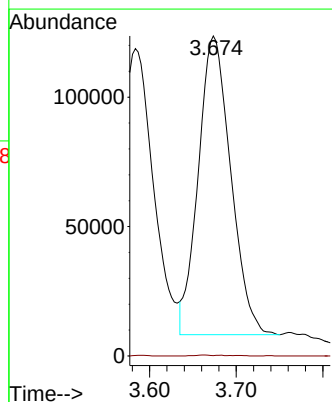
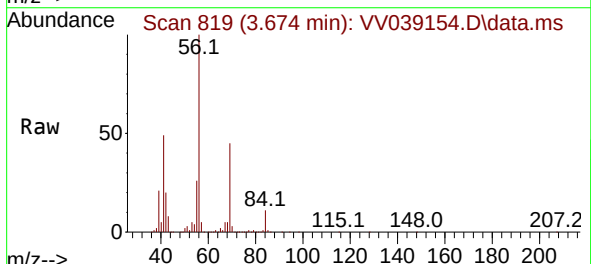
Instrument :
 MSVOA_V
 ClientSampleId :
 MW4

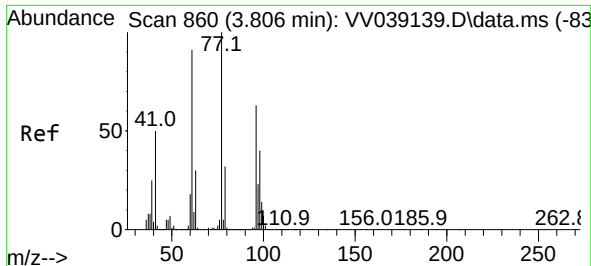
Tgt Ion: 43 Resp: 24216
 Ion Ratio Lower Upper
 43 100
 86 3.0 8.4 12.6#



#25
 2-Butanone
 Concen: 41.267 ug/l
 RT: 3.674 min Scan# 819
 Delta R.T. -0.187 min
 Lab File: VV039154.D
 Acq: 24 Sep 2025 15:53

Tgt Ion: 43 Resp: 300174
 Ion Ratio Lower Upper
 43 100
 72 0.1 21.0 31.6#





#26

2,2-Dichloropropane

Concen: 1.691 ug/l

RT: 3.677 min Scan# 81

Delta R.T. -0.129 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

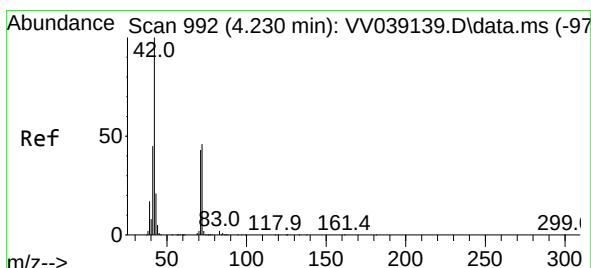
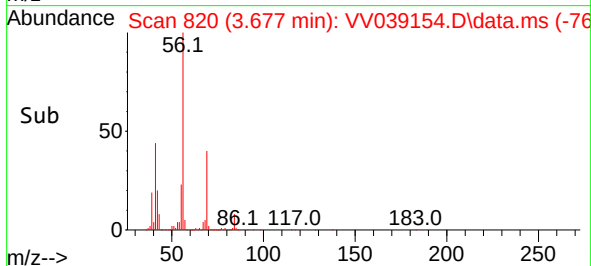
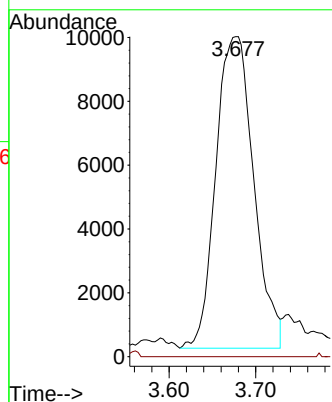
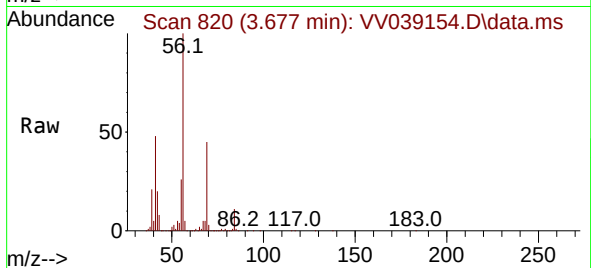
MW4

Tgt Ion: 77 Resp: 29658

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.7#



#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 4.294 min Scan# 1012

Delta R.T. 0.064 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

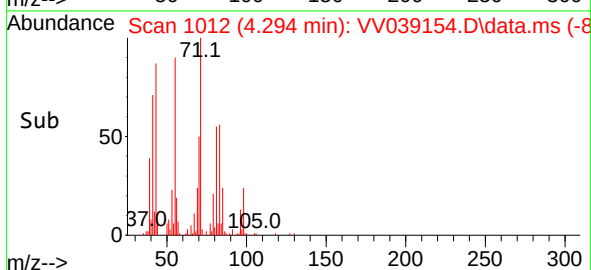
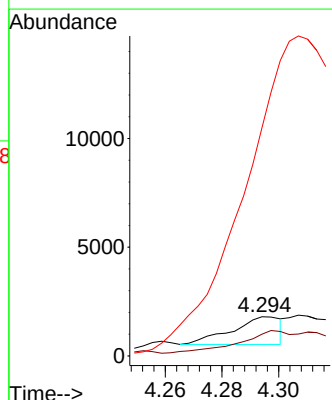
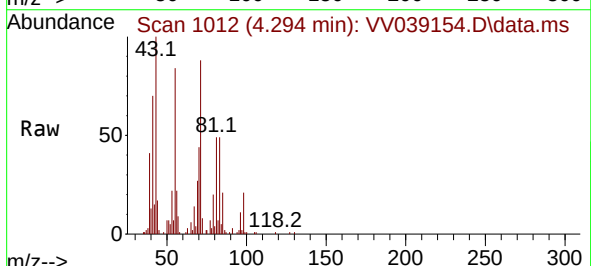
Tgt Ion: 42 Resp: 1529

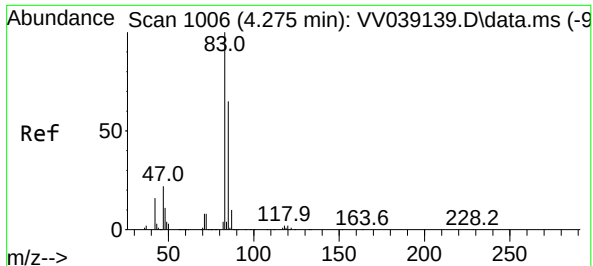
Ion Ratio Lower Upper

42 100

72 82.5 36.3 54.5#

71 3242.2 34.3 51.5#





#30

Chloroform

Concen: 1.342 ug/l

RT: 4.317 min Scan# 1102

Delta R.T. 0.042 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

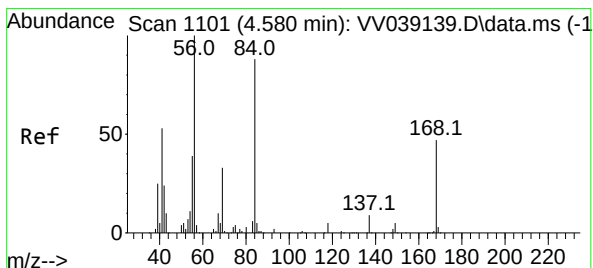
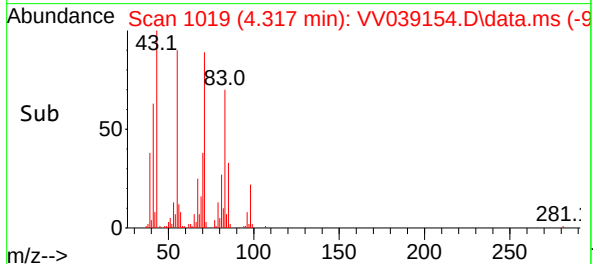
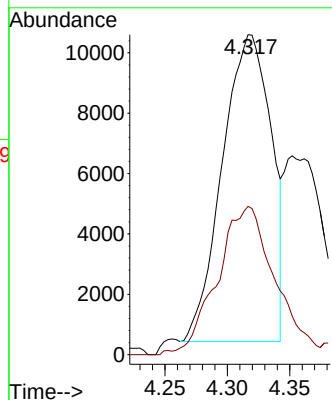
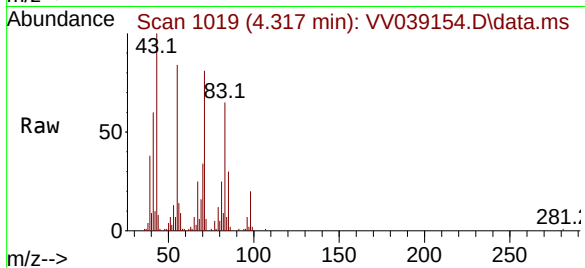
MW4

Tgt Ion: 83 Resp: 27720

Ion Ratio Lower Upper

83 100

85 46.2 52.1 78.1#



#31

Cyclohexane

Concen: 157.888 ug/l

RT: 4.583 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

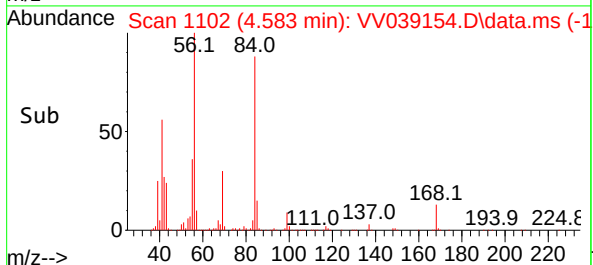
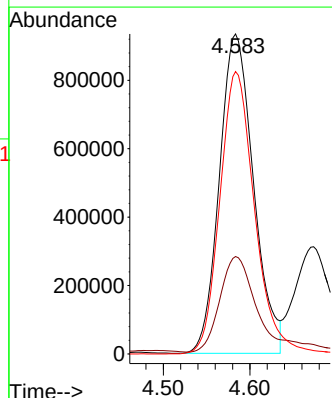
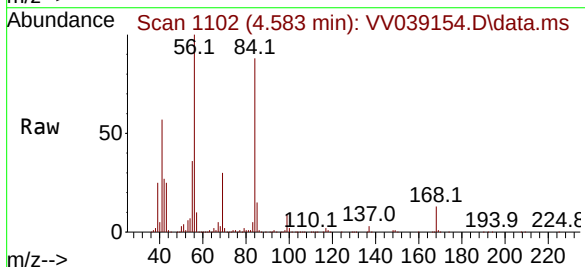
Tgt Ion: 56 Resp: 2558050

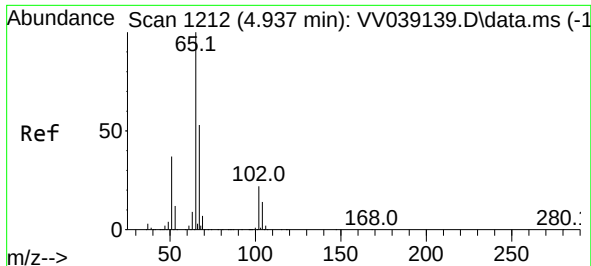
Ion Ratio Lower Upper

56 100

69 29.8 26.2 39.2

84 88.4 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 46.638 ug/l

RT: 4.944 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

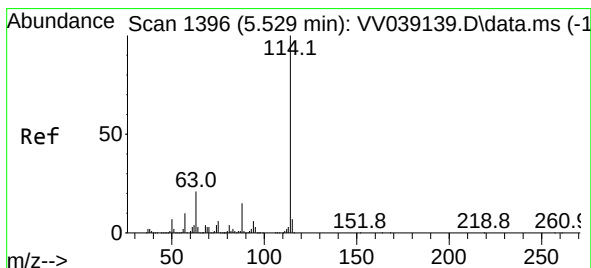
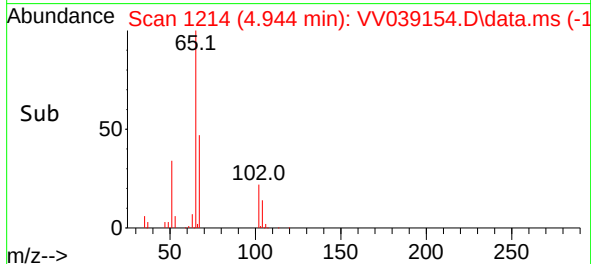
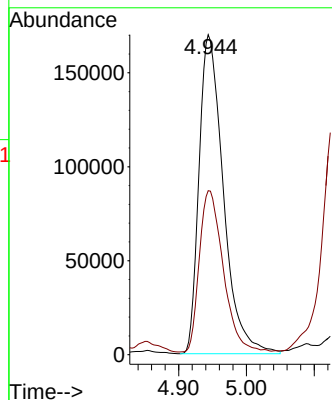
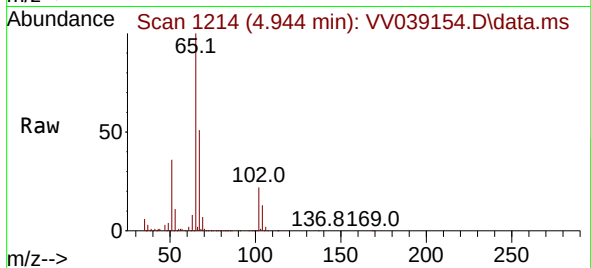
MW4

Tgt Ion: 65 Resp: 423649

Ion Ratio Lower Upper

65 100

67 49.5 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

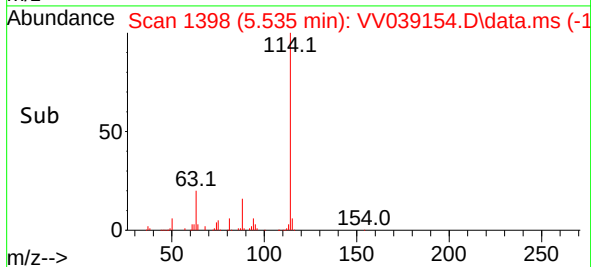
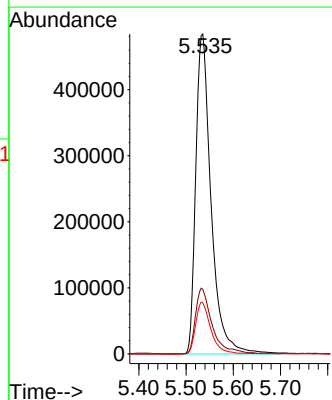
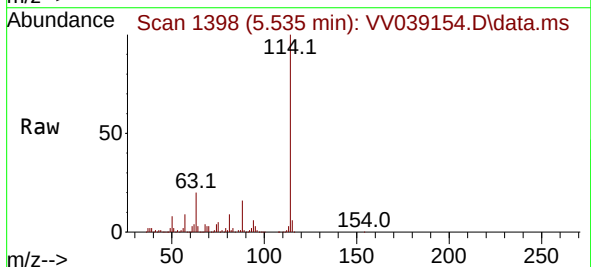
Tgt Ion: 114 Resp: 1091934

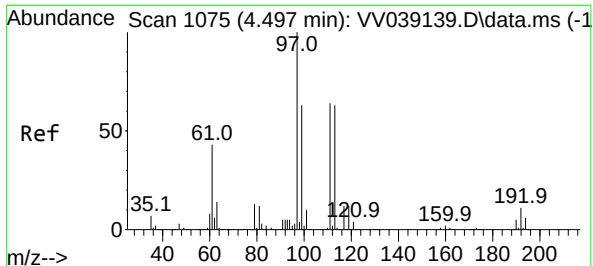
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 16.0 0.0 30.8

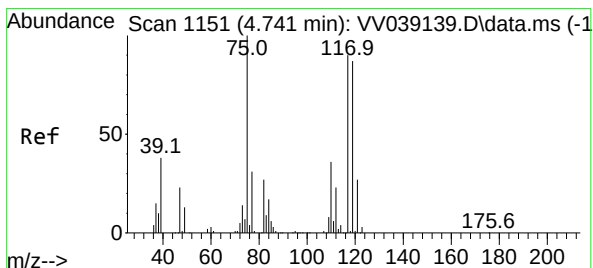
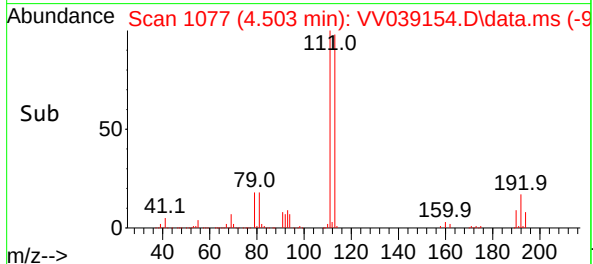
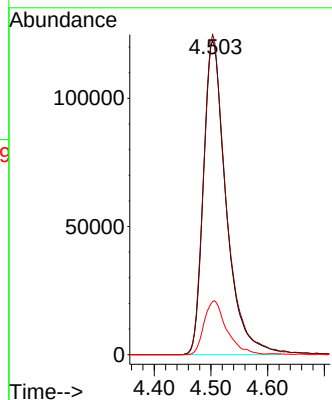
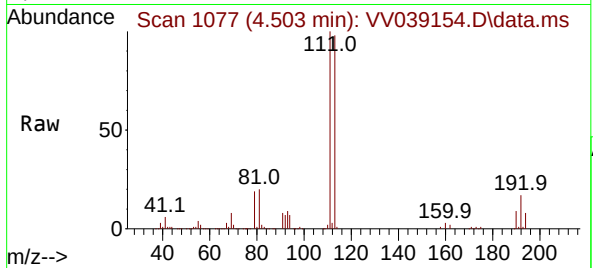




#35
Dibromofluoromethane
Concen: 38.753 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

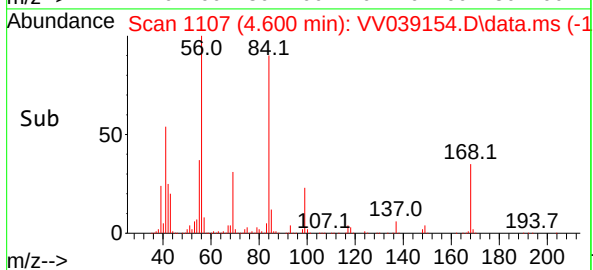
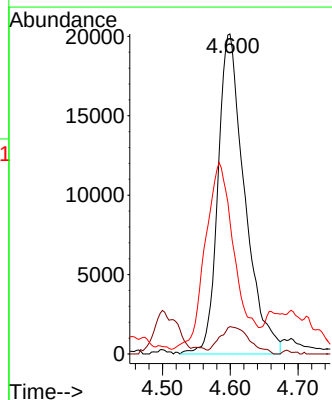
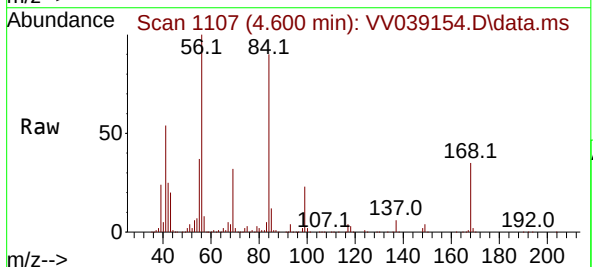
Instrument :
MSVOA_V
ClientSampleId :
MW4

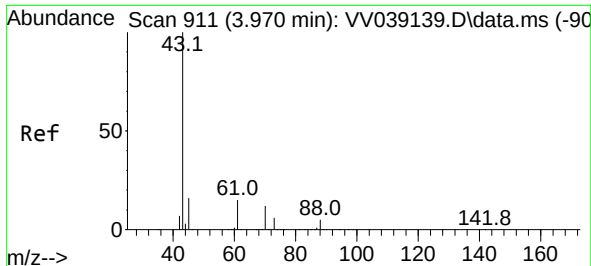
Tgt Ion:113 Resp: 340181
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 17.1 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.155 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 75 Resp: 55151
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.1#
77 0.0 24.8 37.2#

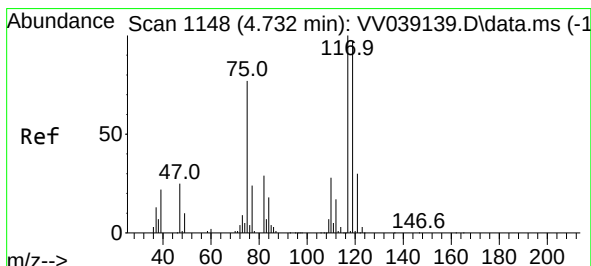
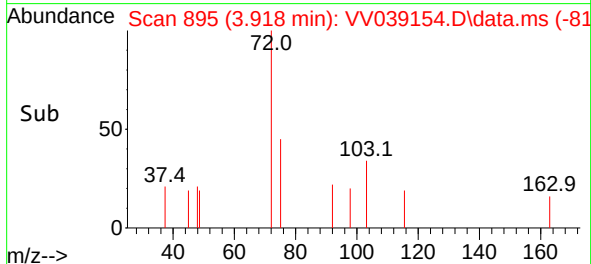
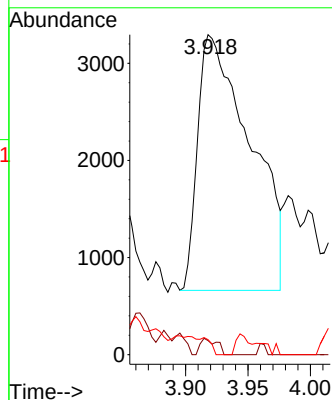
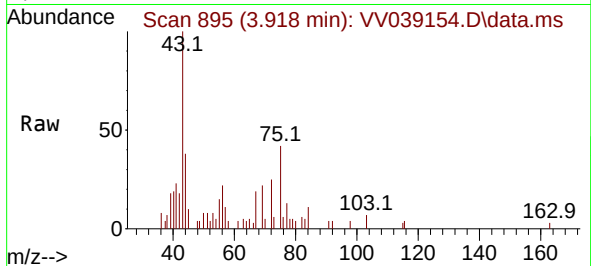




#37
Ethyl Acetate
Concen: 0.479 ug/l
RT: 3.918 min Scan# 81
Delta R.T. -0.052 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

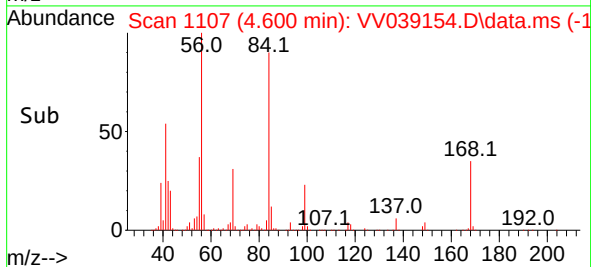
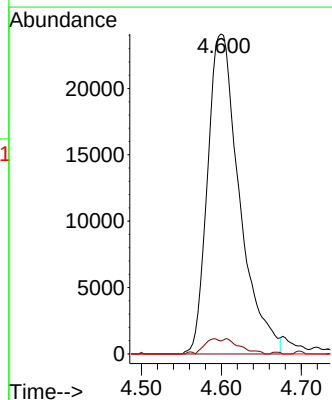
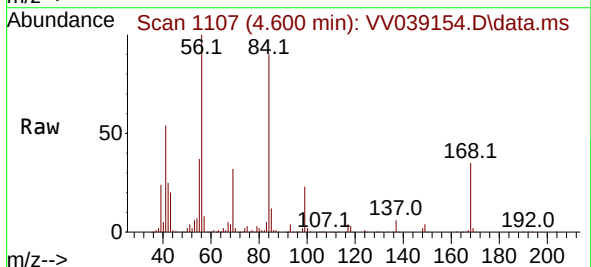
Instrument :
MSVOA_V
ClientSampleId :
MW4

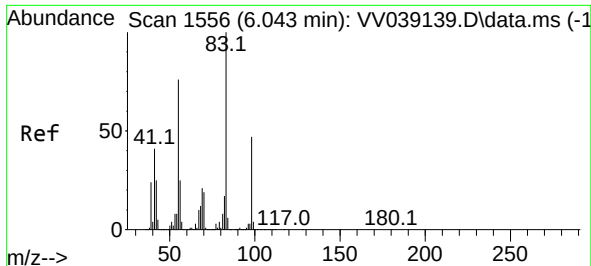
Tgt Ion: 43 Resp: 7712
Ion Ratio Lower Upper
43 100
61 2.0 10.3 15.5#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 4.114 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.132 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 117 Resp: 66737
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 228.559 ug/l

RT: 6.046 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

MW4

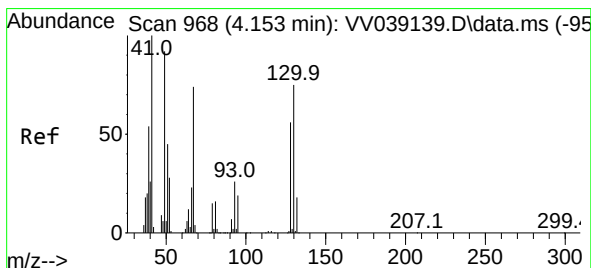
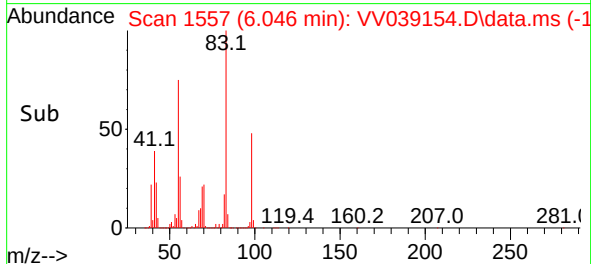
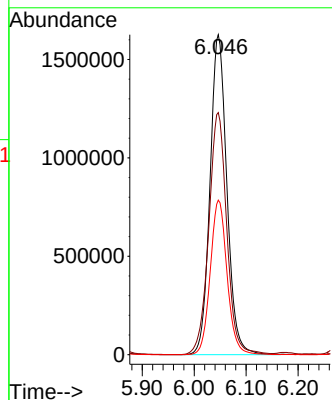
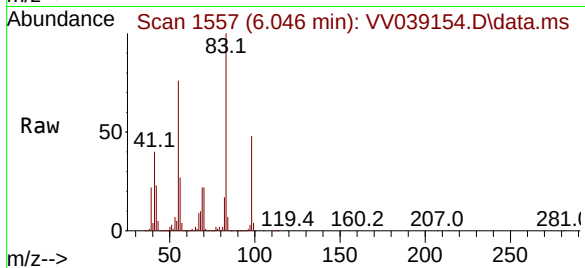
Tgt Ion: 83 Resp: 3663235

Ion Ratio Lower Upper

83 100

55 75.6 60.5 90.7

98 48.3 37.8 56.6



#41

Methacrylonitrile

Concen: 2.929 ug/l

RT: 4.172 min Scan# 974

Delta R.T. 0.019 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Tgt Ion: 41 Resp: 7709

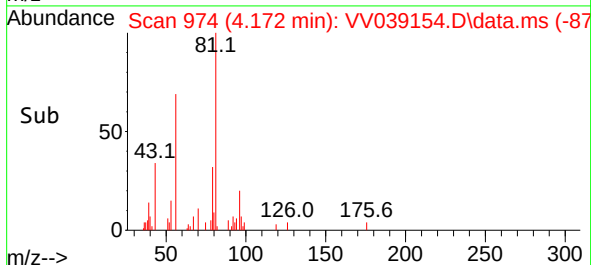
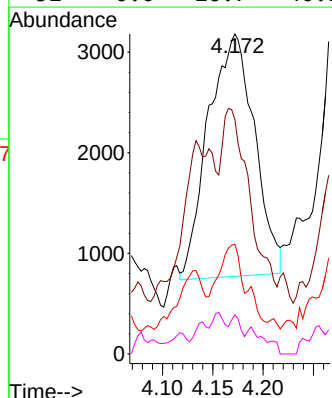
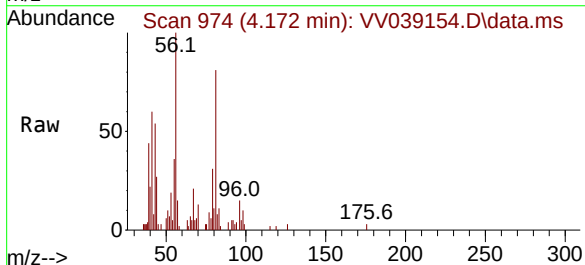
Ion Ratio Lower Upper

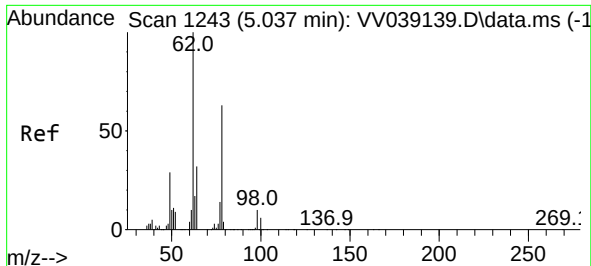
41 100

39 42.1 42.2 63.2#

67 0.0 67.9 101.9#

52 0.0 26.7 40.1#





#42

1,2-Dichloroethane

Concen: 34.728 ug/l

RT: 5.011 min Scan# 1

Delta R.T. -0.026 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

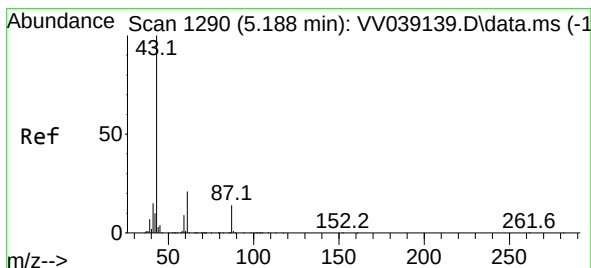
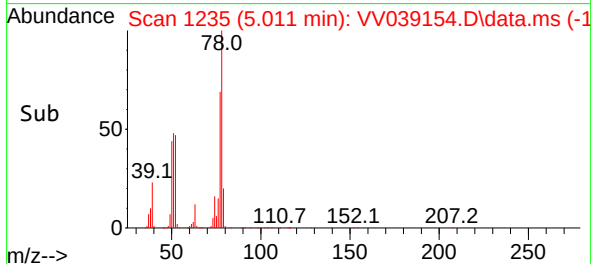
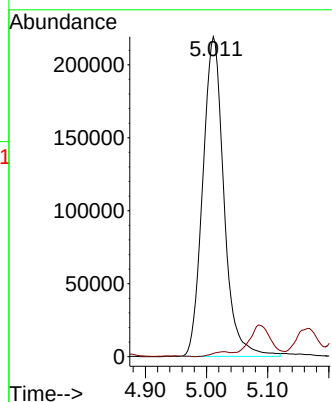
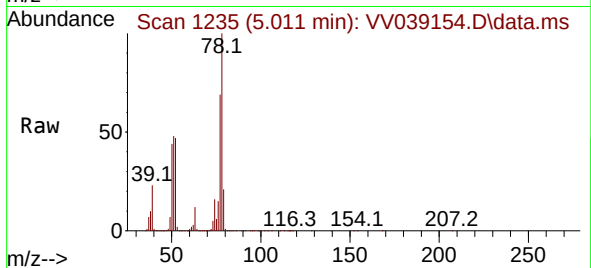
MW4

Tgt Ion: 62 Resp: 525888

Ion Ratio Lower Upper

62 100

98 1.3 0.0 19.2



#43

Isopropyl Acetate

Concen: 2.797 ug/l

RT: 5.233 min Scan# 1304

Delta R.T. 0.045 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

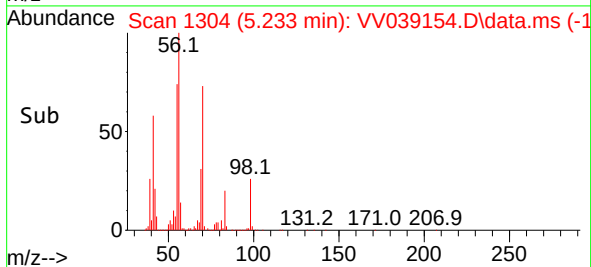
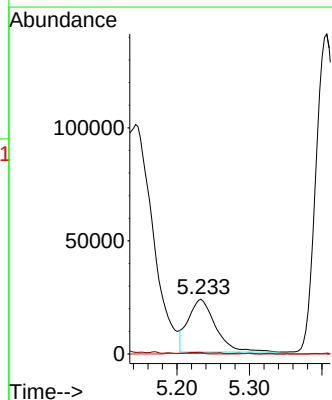
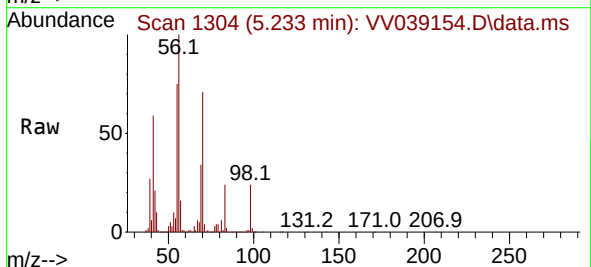
Tgt Ion: 43 Resp: 61418

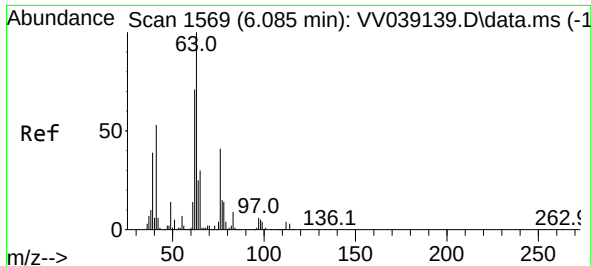
Ion Ratio Lower Upper

43 100

61 0.0 15.9 23.9#

87 0.0 11.0 16.6#





#45

1,2-Dichloropropane

Concen: 3.684 ug/l

RT: 6.043 min Scan# 1

Delta R.T. -0.042 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

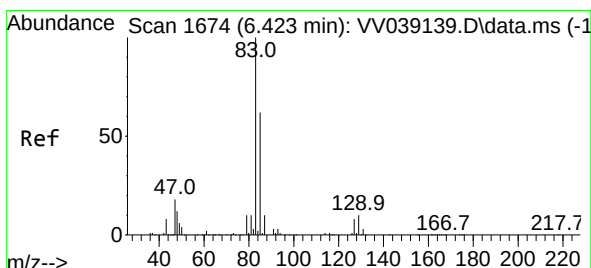
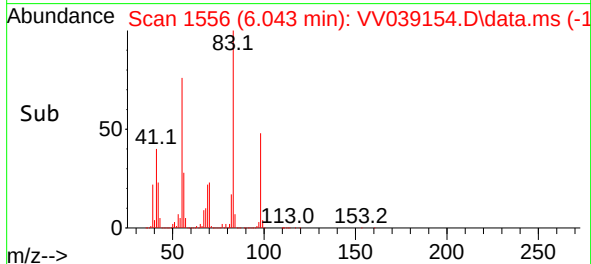
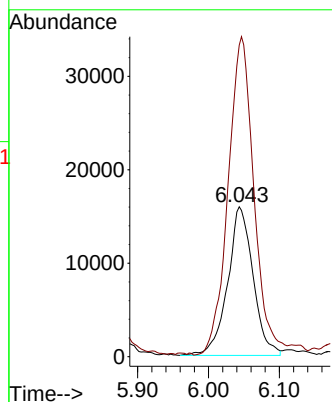
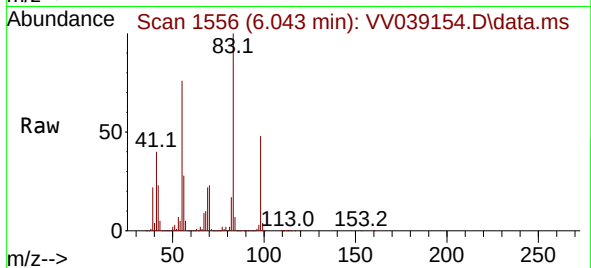
MW4

Tgt Ion: 63 Resp: 39573

Ion Ratio Lower Upper

63 100

65 207.3 23.7 35.5#



#47

Bromodichloromethane

Concen: 0.545 ug/l

RT: 6.387 min Scan# 1663

Delta R.T. -0.036 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

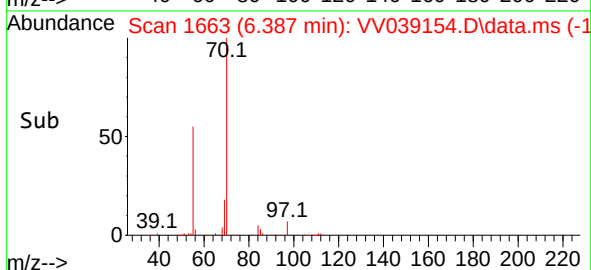
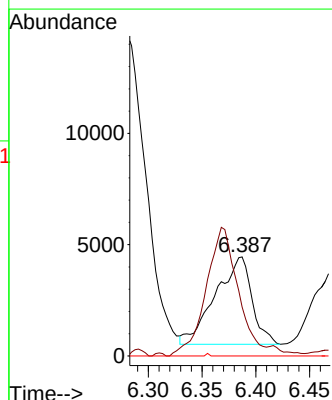
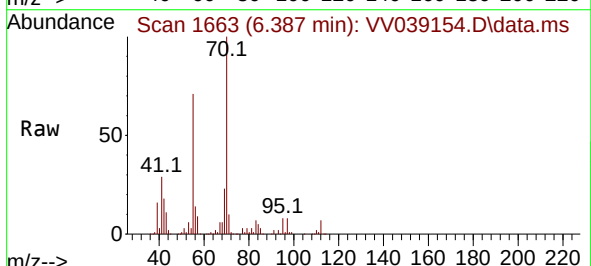
Tgt Ion: 83 Resp: 9268

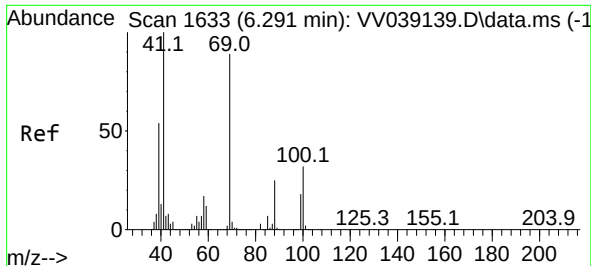
Ion Ratio Lower Upper

83 100

85 50.0 49.7 74.5

127 0.0 6.6 9.8#





#48

Methyl methacrylate

Concen: 16.077 ug/l

RT: 6.281 min Scan# 1630

Delta R.T. -0.010 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

MW4

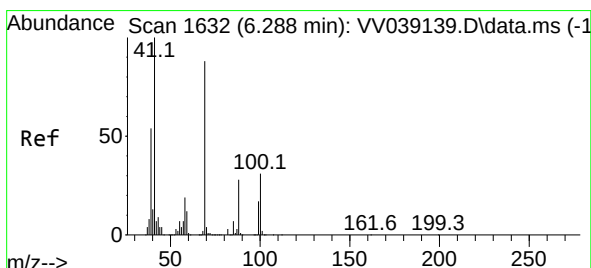
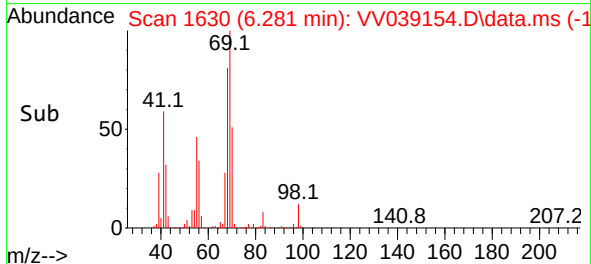
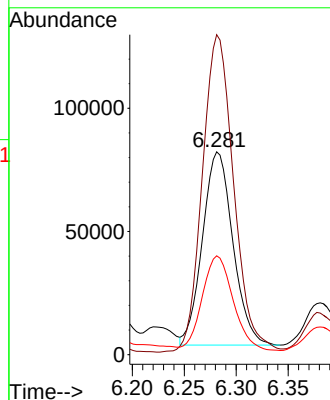
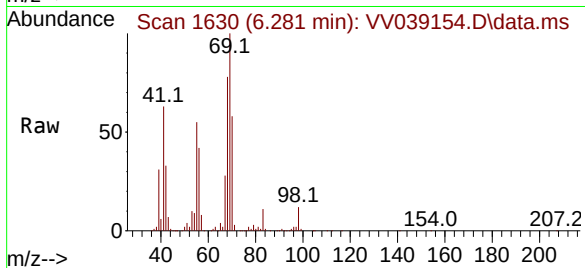
Tgt Ion: 41 Resp: 160020

Ion Ratio Lower Upper

41 100

69 169.1 72.4 108.6#

39 49.6 42.5 63.7



#49

1,4-Dioxane

Concen: 0.467 ug/l

RT: 6.291 min Scan# 1633

Delta R.T. 0.003 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

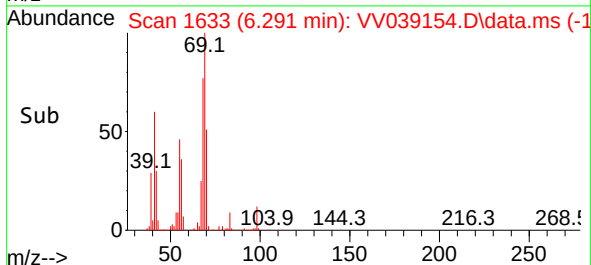
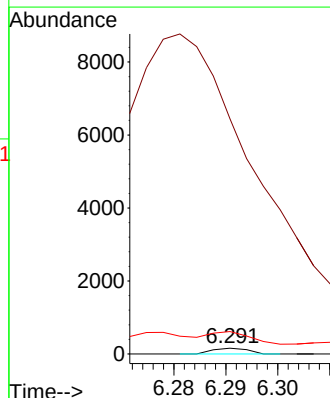
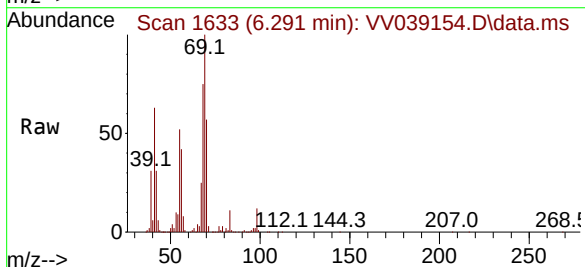
Tgt Ion: 88 Resp: 75

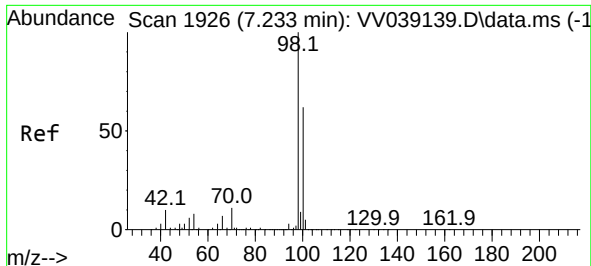
Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

58 238.7 53.6 80.4#

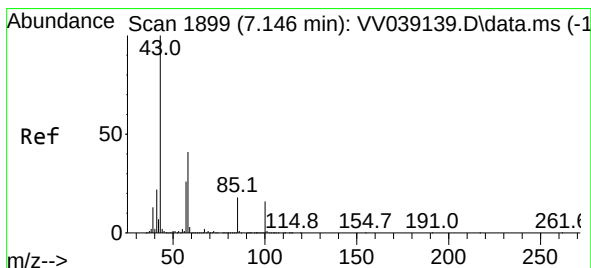
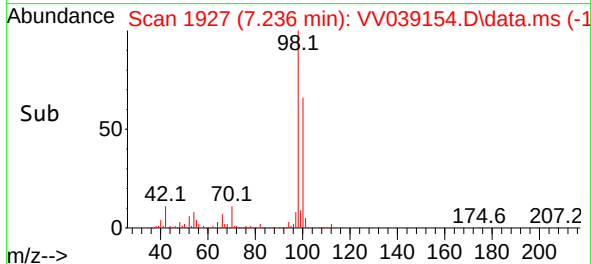
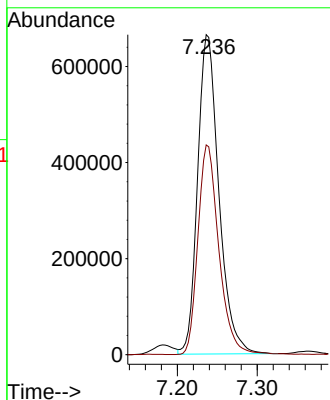
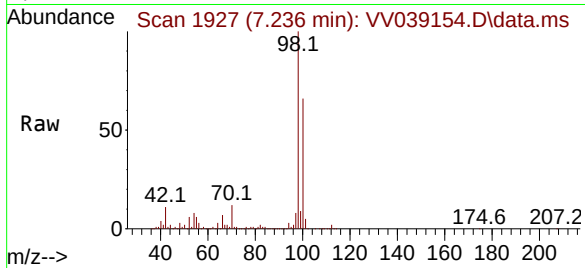




#50
Toluene-d8
Concen: 47.734 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

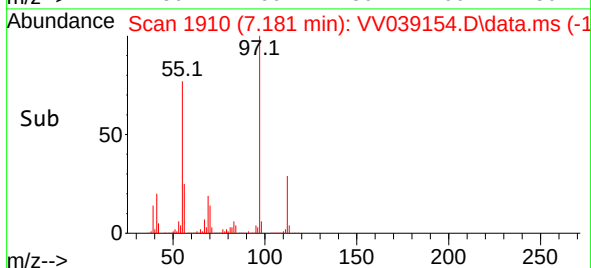
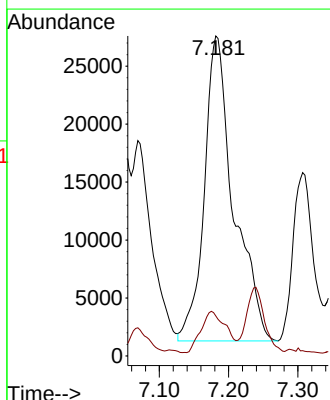
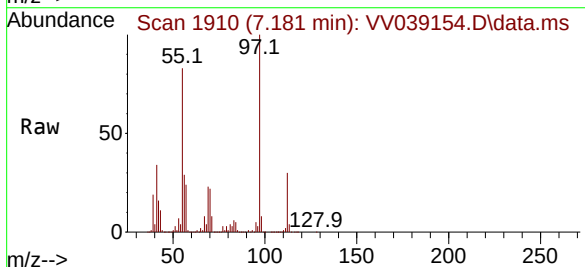
Instrument :
MSVOA_V
ClientSampleId :
MW4

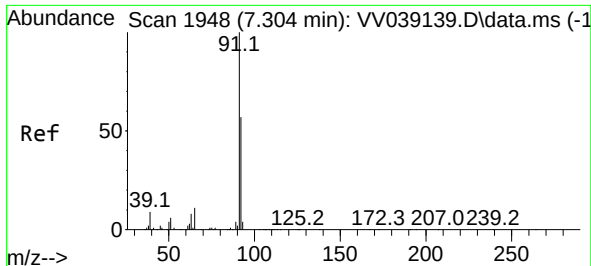
Tgt Ion: 98 Resp: 1230675
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 5.355 ug/l
RT: 7.181 min Scan# 1910
Delta R.T. 0.035 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 43 Resp: 77353
Ion Ratio Lower Upper
43 100
58 11.5 32.3 48.5#

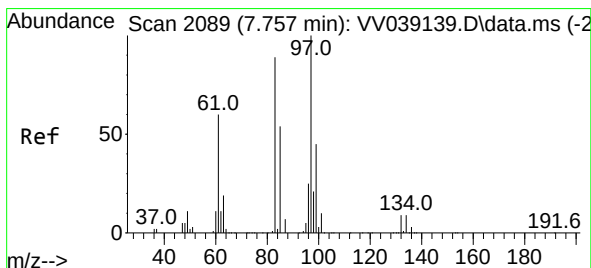
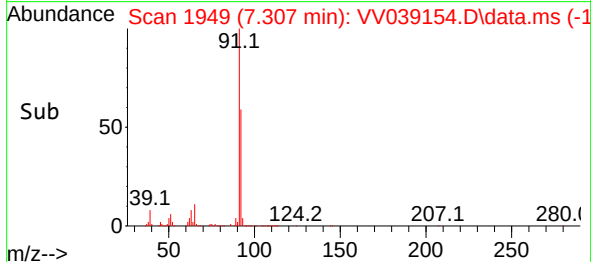
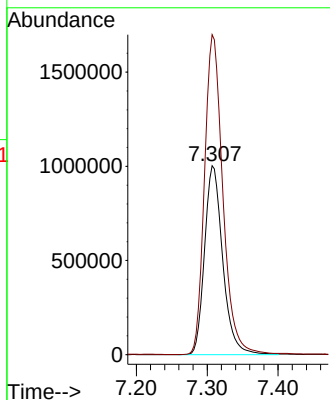
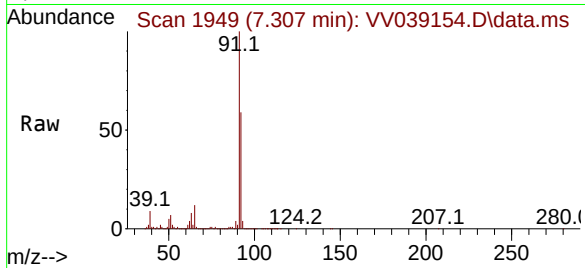




#52
Toluene
Concen: 71.251 ug/l
RT: 7.307 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

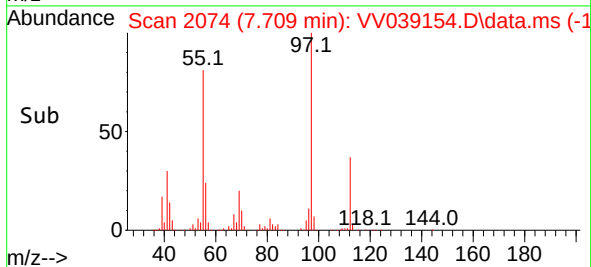
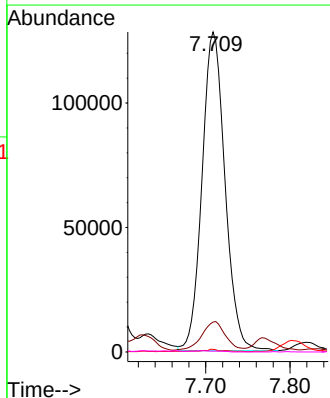
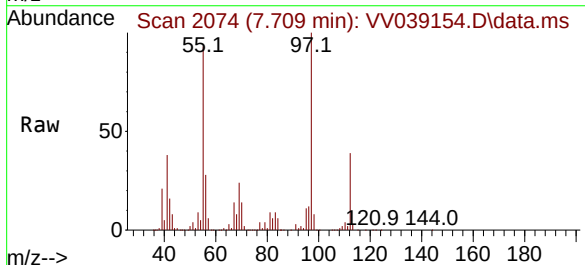
Instrument :
MSVOA_V
ClientSampleId :
MW4

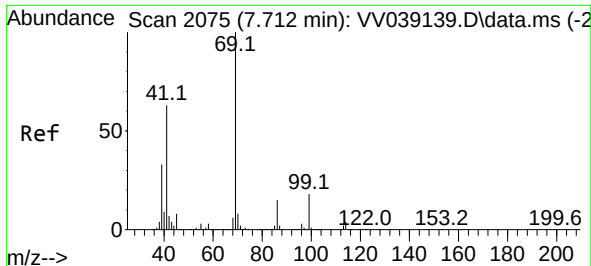
Tgt Ion: 92 Resp: 1785393
Ion Ratio Lower Upper
92 100
91 171.3 139.2 208.8



#55
1,1,2-Trichloroethane
Concen: 21.627 ug/l
RT: 7.709 min Scan# 2074
Delta R.T. -0.048 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 97 Resp: 242996
Ion Ratio Lower Upper
97 100
83 8.6 71.1 106.7#
85 0.6 44.6 67.0#
99 0.3 50.6 76.0#

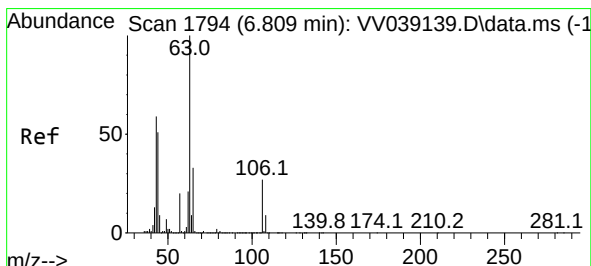
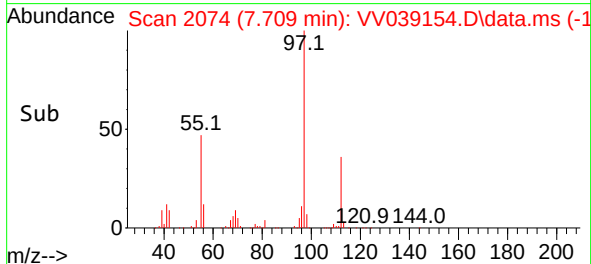
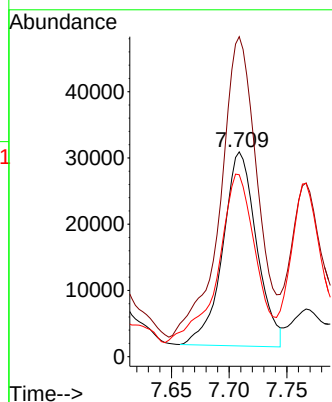
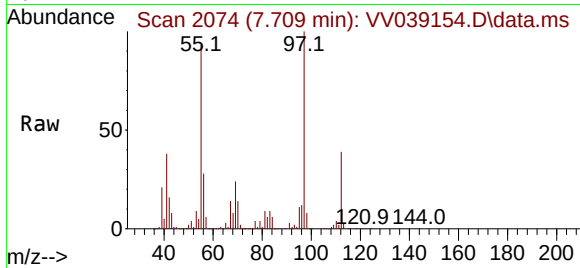




#56
 Ethyl methacrylate
 Concen: 4.480 ug/l
 RT: 7.709 min Scan# 2075
 Delta R.T. -0.003 min
 Lab File: VV039154.D
 Acq: 24 Sep 2025 15:53

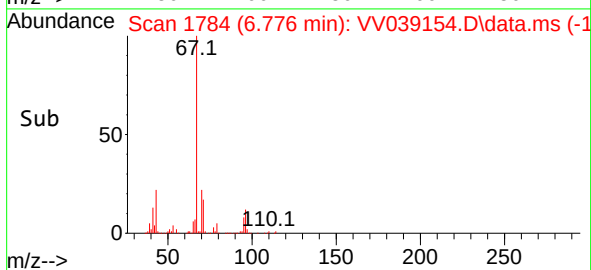
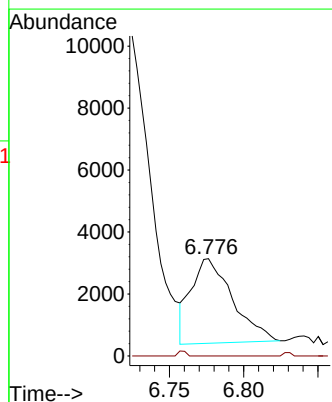
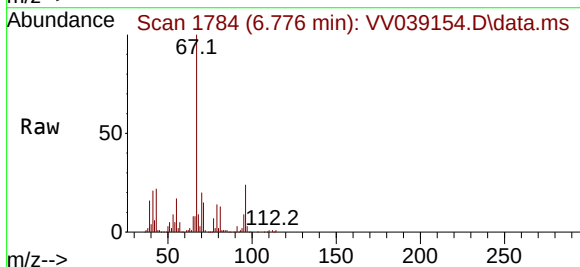
Instrument :
 MSVOA_V
 ClientSampleId :
 MW4

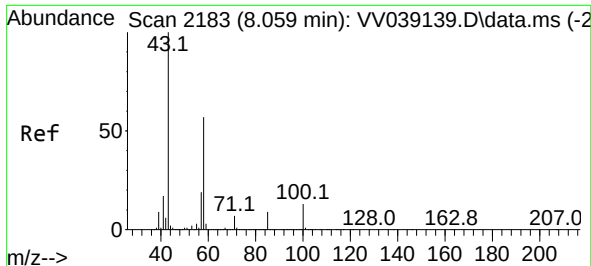
Tgt Ion: 69 Resp: 59771
 Ion Ratio Lower Upper
 69 100
 41 164.6 50.7 76.1#
 39 94.9 26.0 39.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.303 ug/l
 RT: 6.776 min Scan# 1784
 Delta R.T. -0.033 min
 Lab File: VV039154.D
 Acq: 24 Sep 2025 15:53

Tgt Ion: 63 Resp: 5331
 Ion Ratio Lower Upper
 63 100
 106 1.1 22.1 33.1#

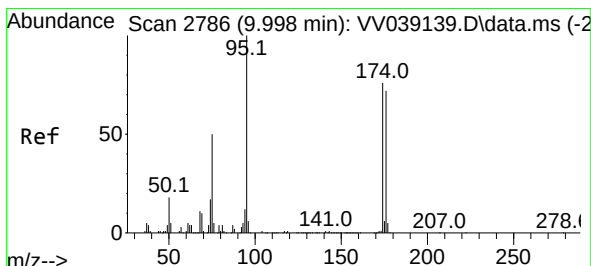
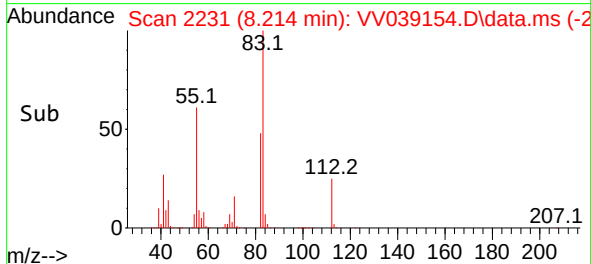
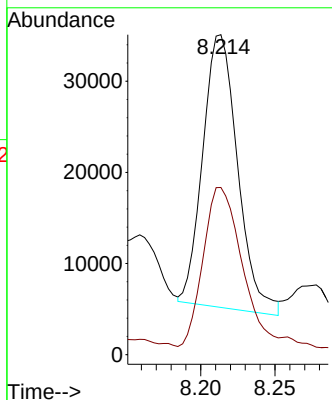
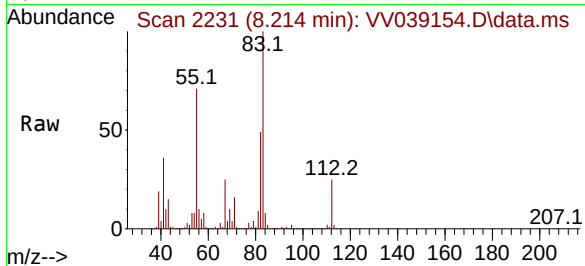




#59
2-Hexanone
Concen: 6.476 ug/l
RT: 8.214 min Scan# 2183
Delta R.T. 0.155 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

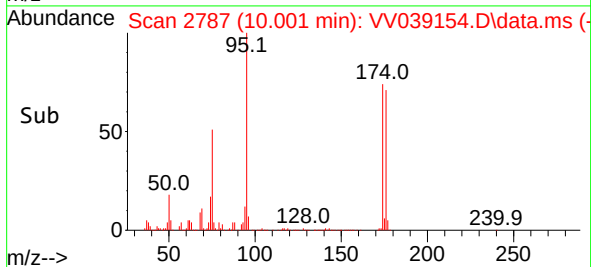
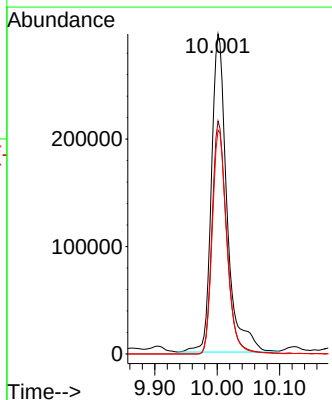
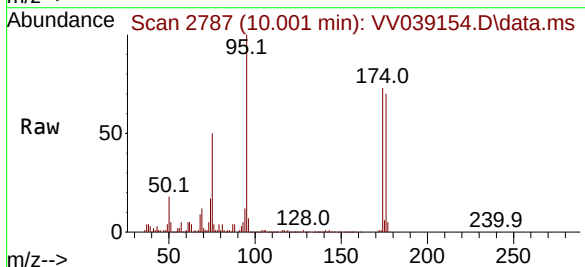
Instrument :
MSVOA_V
ClientSampleId :
MW4

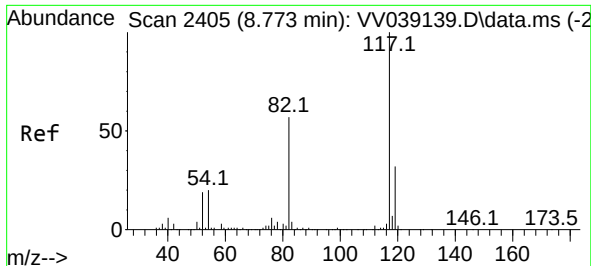
Tgt Ion: 43 Resp: 48850
Ion Ratio Lower Upper
43 100
58 75.1 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 48.366 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 95 Resp: 513340
Ion Ratio Lower Upper
95 100
174 68.6 0.0 150.4
176 65.8 0.0 144.2

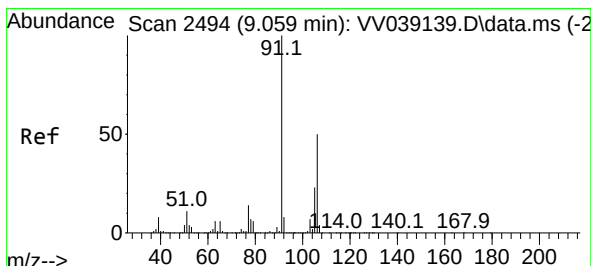
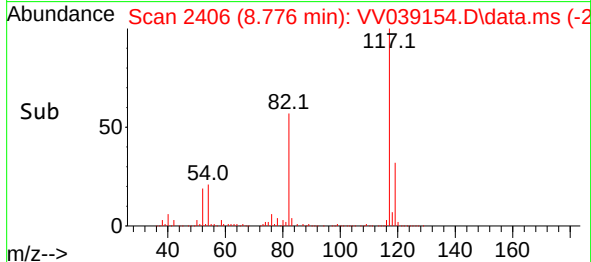
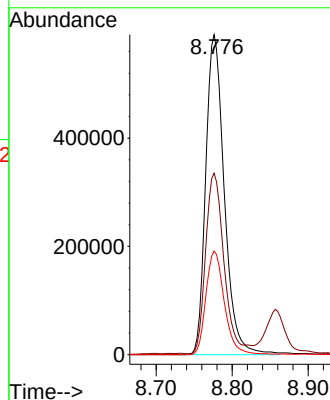
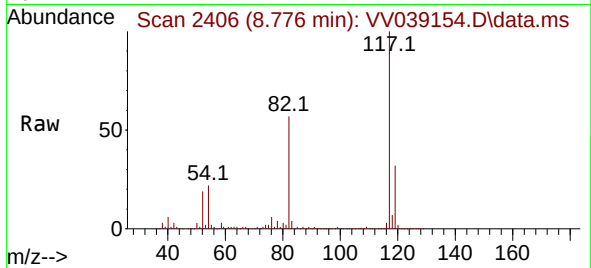




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

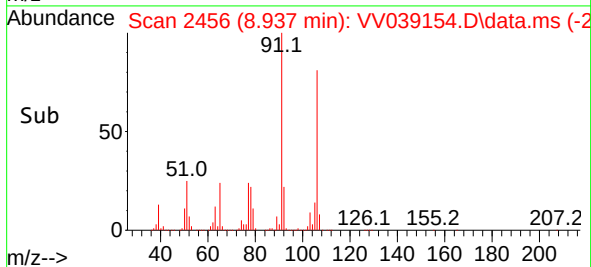
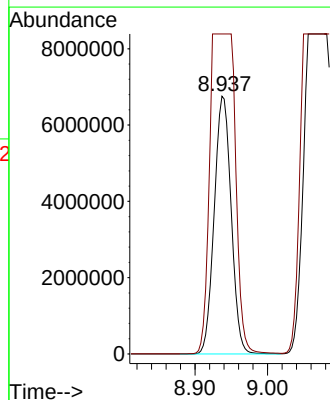
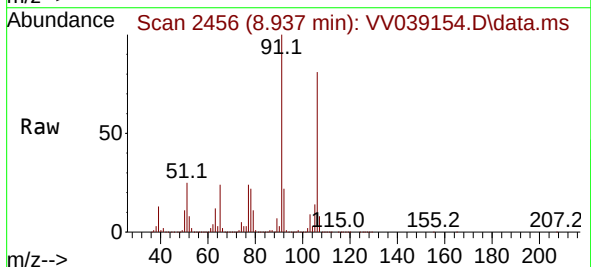
Instrument :
MSVOA_V
ClientSampleId :
MW4

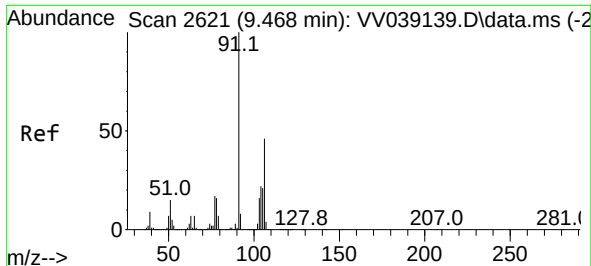
Tgt Ion:117 Resp: 1002921
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.2
119 32.4 25.6 38.4



#68
m/p-Xylenes
Concen: 670.824 ug/l
RT: 8.937 min Scan# 2456
Delta R.T. -0.122 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion:106 Resp:10948574
Ion Ratio Lower Upper
106 100
91 0.0 162.5 243.7#

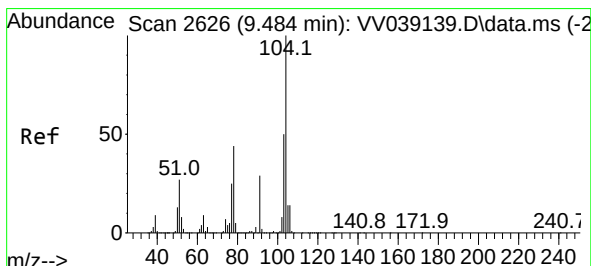
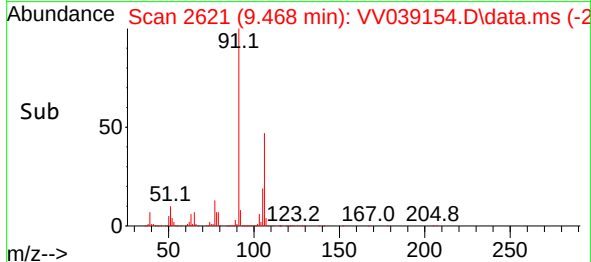
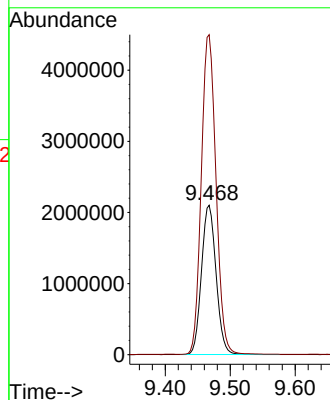
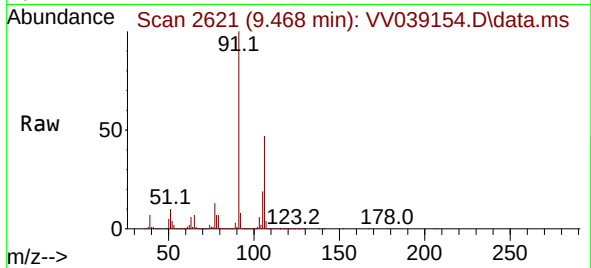




#69
o-Xylene
Concen: 227.292 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. -0.000 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

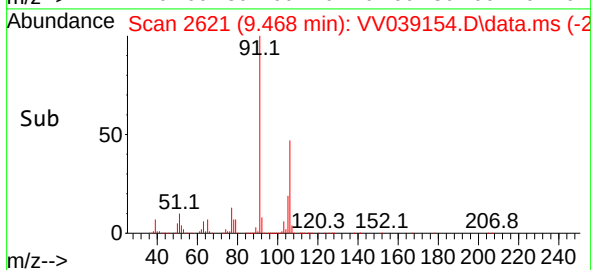
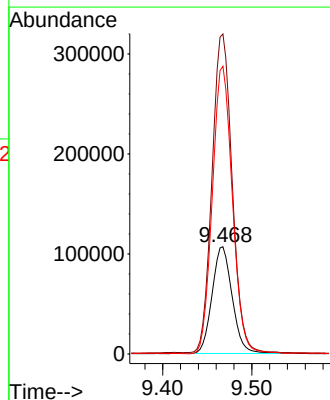
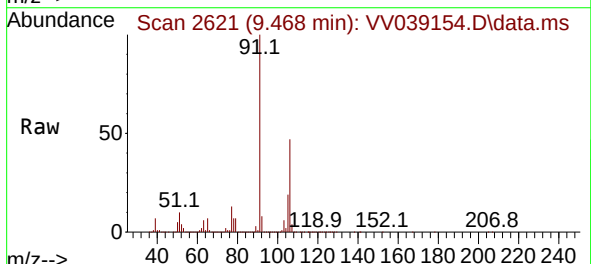
Instrument :
MSVOA_V
ClientSampleId :
MW4

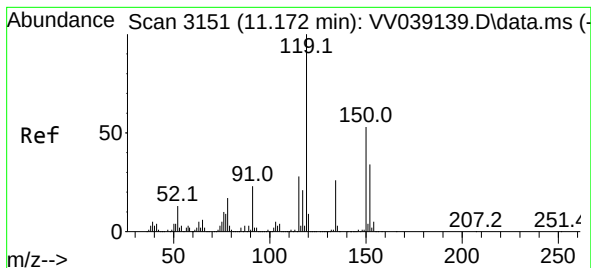
Tgt Ion:106 Resp: 3284665
Ion Ratio Lower Upper
106 100
91 216.1 109.1 327.3



#70
Styrene
Concen: 6.843 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. -0.016 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion:104 Resp: 167921
Ion Ratio Lower Upper
104 100
78 298.0 39.8 59.6#
103 267.9 43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

MW4

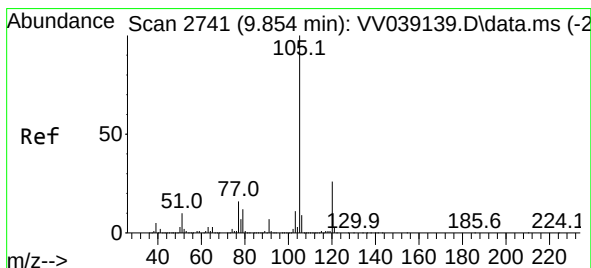
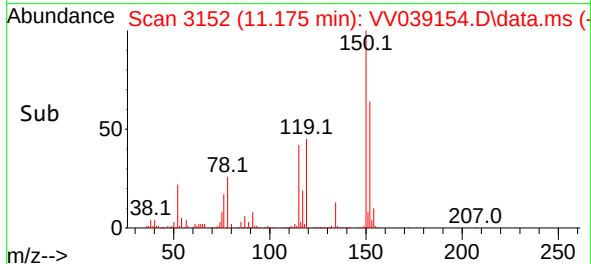
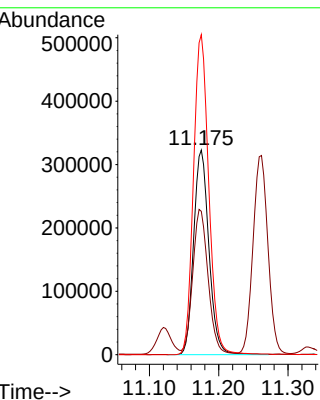
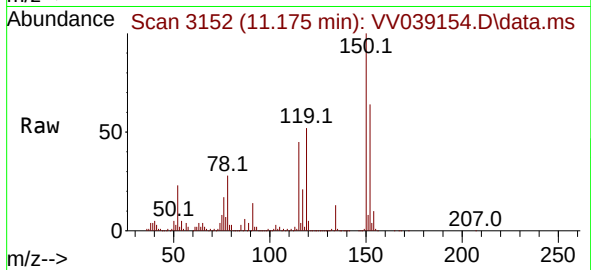
Tgt Ion:152 Resp: 492612

Ion Ratio Lower Upper

152 100

115 70.6 44.8 134.4

150 156.9 0.0 353.8



#73

Isopropylbenzene

Concen: 107.200 ug/l

RT: 9.857 min Scan# 2742

Delta R.T. 0.003 min

Lab File: VV039154.D

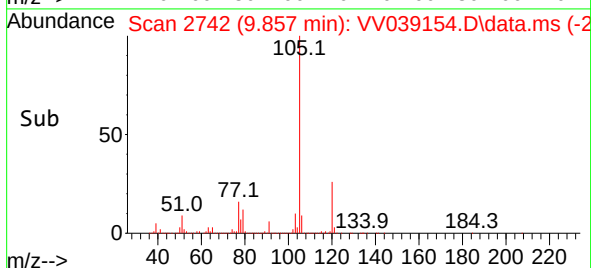
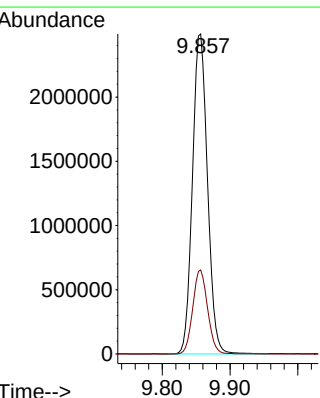
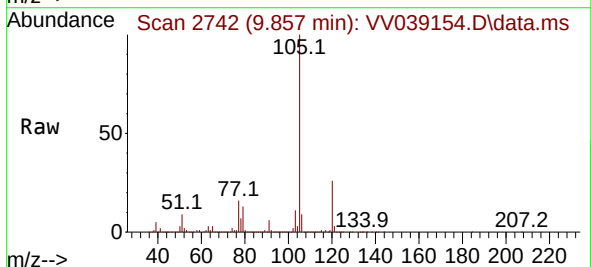
Acq: 24 Sep 2025 15:53

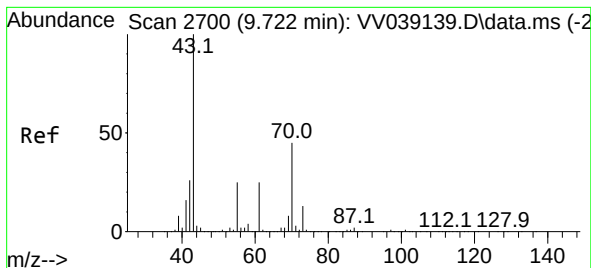
Tgt Ion:105 Resp: 3830198

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1





#74

N-amy1 acetate

Concen: 1.013 ug/l

RT: 9.722 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

MW4

Tgt Ion: 43 Resp: 14437

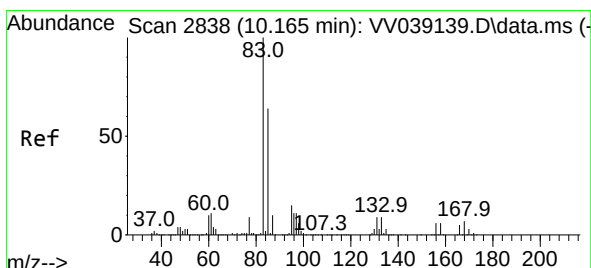
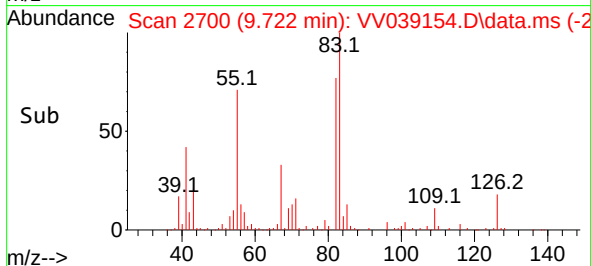
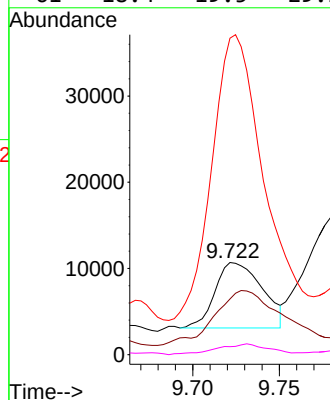
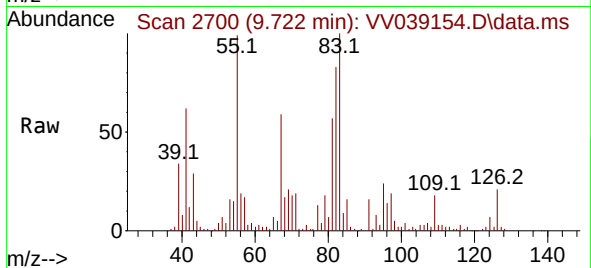
Ion Ratio Lower Upper

43 100

70 122.3 35.4 53.0#

55 479.8 20.6 30.8#

61 18.4 19.5 29.3#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.500 ug/l

RT: 10.165 min Scan# 2838

Delta R.T. -0.000 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

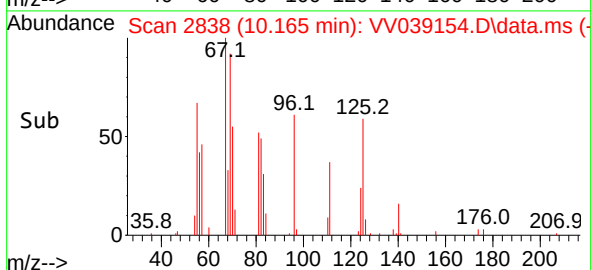
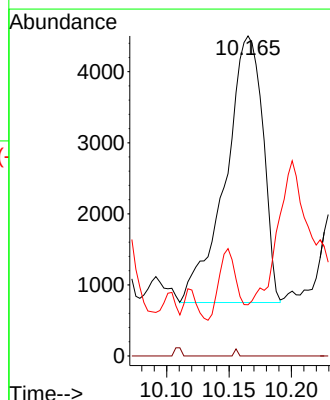
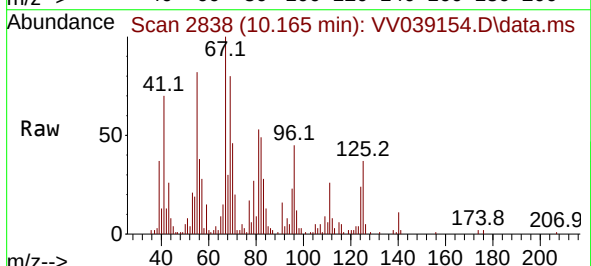
Tgt Ion: 83 Resp: 7826

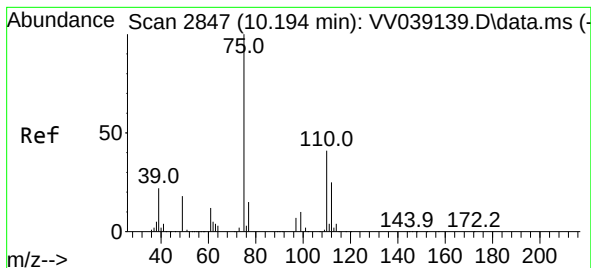
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 12.9 31.9 95.9#





#76

1,2,3-Trichloropropane

Concen: 6.125 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. 0.083 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

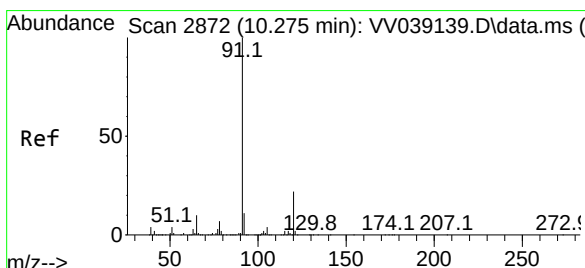
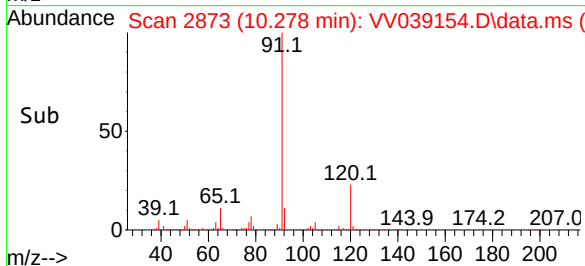
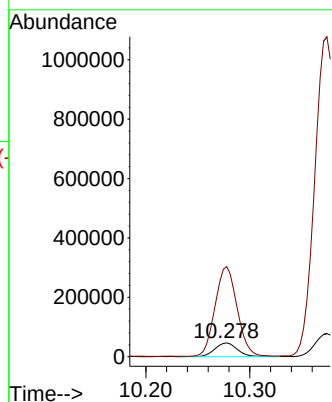
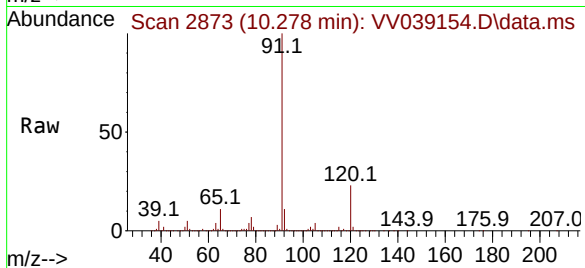
MW4

Tgt Ion: 75 Resp: 68701

Ion Ratio Lower Upper

75 100

77 644.7 11.3 33.8#



#78

n-propylbenzene

Concen: 246.691 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. 0.003 min

Lab File: VV039154.D

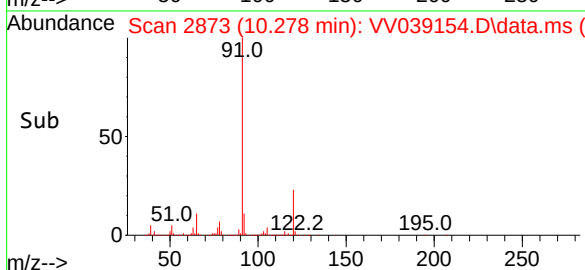
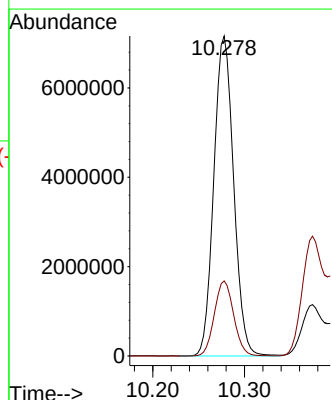
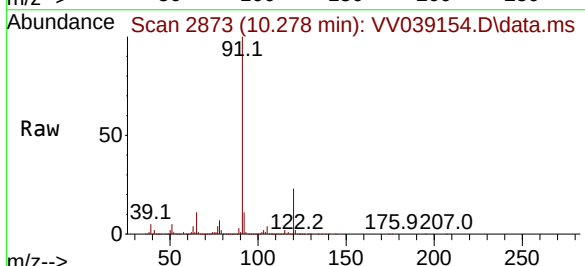
Acq: 24 Sep 2025 15:53

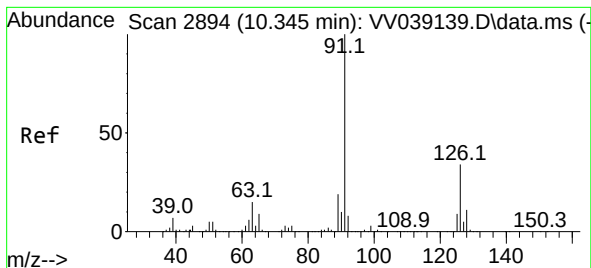
Tgt Ion: 91 Resp:10733473

Ion Ratio Lower Upper

91 100

120 22.9 11.1 33.3





#79

2-Chlorotoluene

Concen: 100.286 ug/l

RT: 10.374 min Scan# 2903

Delta R.T. 0.029 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

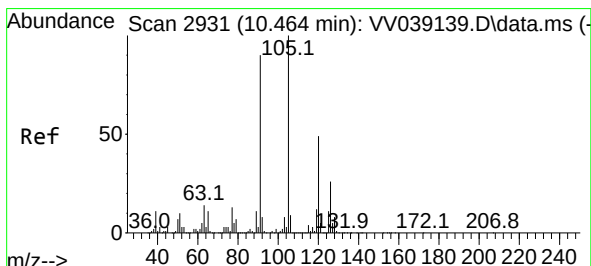
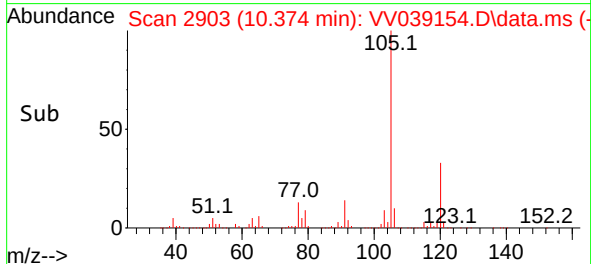
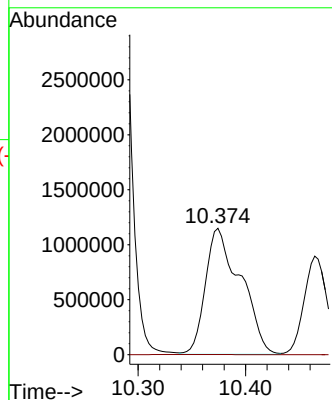
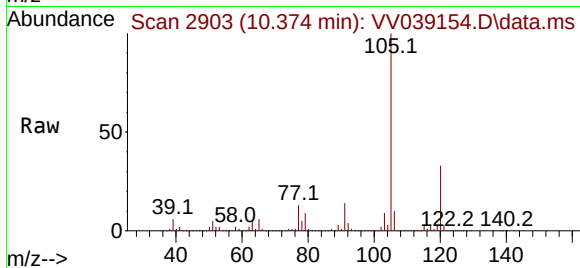
MW4

Tgt Ion: 91 Resp: 2610937

Ion Ratio Lower Upper

91 100

126 0.1 16.7 50.0#



#80

1,3,5-Trimethylbenzene

Concen: 388.679 ug/l

RT: 10.464 min Scan# 2931

Delta R.T. -0.000 min

Lab File: VV039154.D

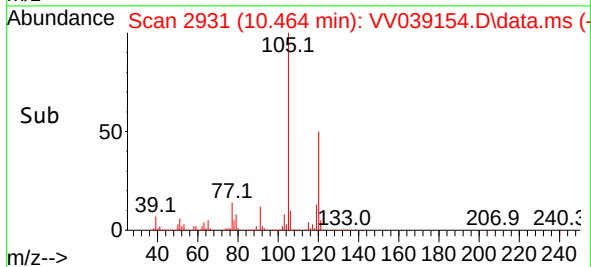
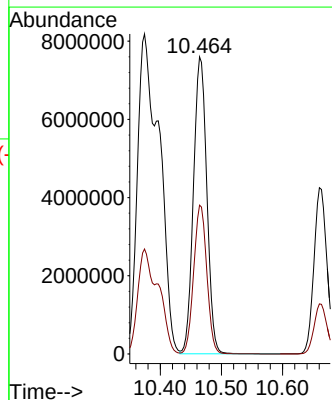
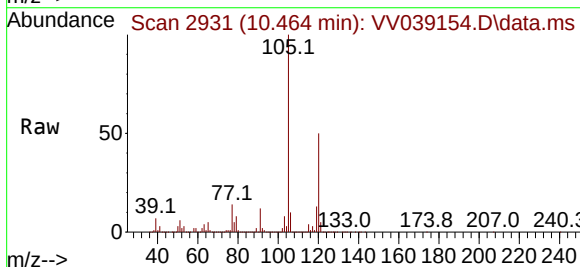
Acq: 24 Sep 2025 15:53

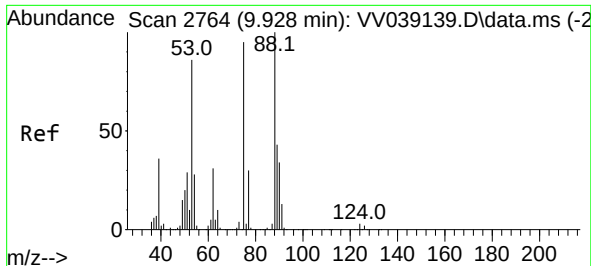
Tgt Ion:105 Resp:11542912

Ion Ratio Lower Upper

105 100

120 49.2 24.3 72.8

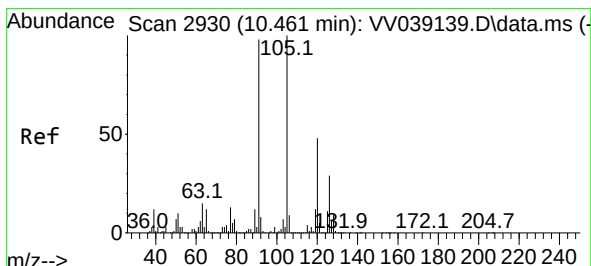
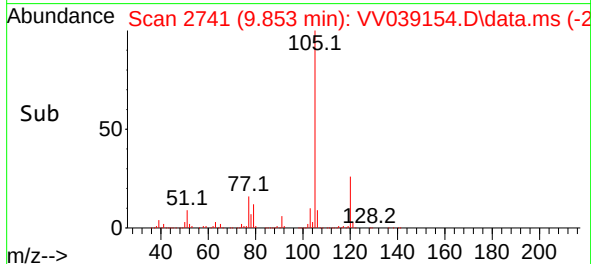
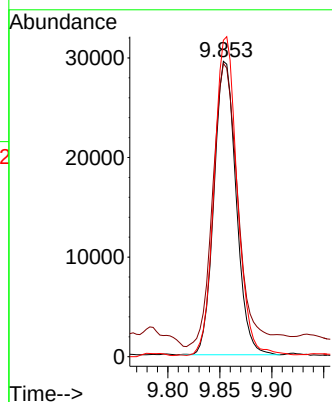
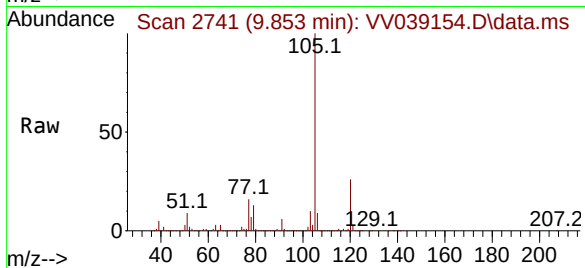




#81
trans-1,4-Dichloro-2-butene
Concen: 9.329 ug/l
RT: 9.853 min Scan# 21
Delta R.T. -0.074 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

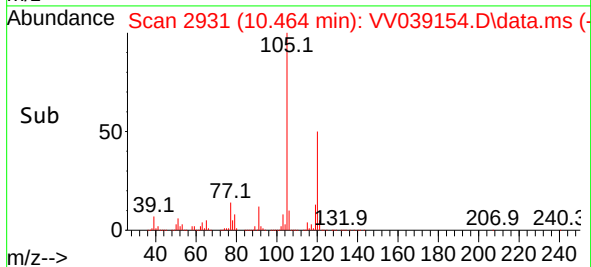
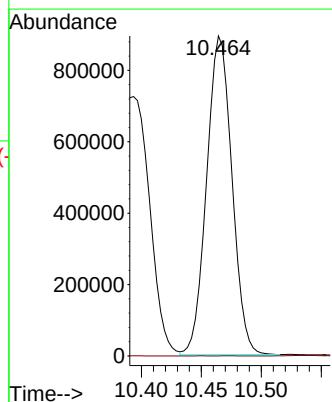
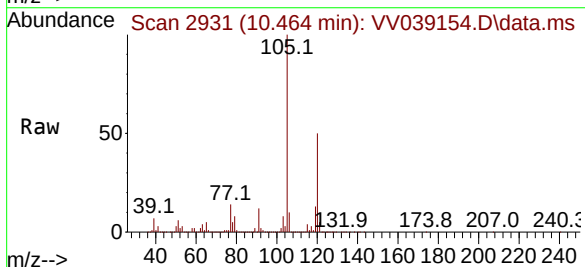
Instrument :
MSVOA_V
ClientSampleId :
MW4

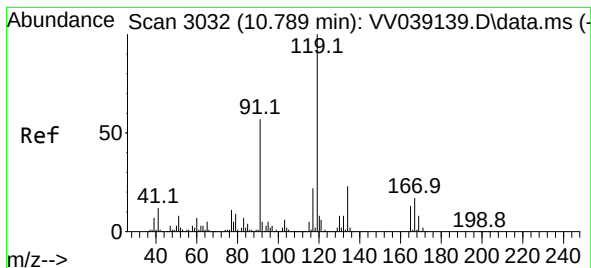
Tgt Ion: 75 Resp: 43585
Ion Ratio Lower Upper
75 100
53 109.2 72.5 108.7#
89 113.2 37.2 55.8#



#82
4-Chlorotoluene
Concen: 43.435 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.003 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Tgt Ion: 91 Resp: 1311260
Ion Ratio Lower Upper
91 100
126 0.0 14.5 43.6#





#83

tert-Butylbenzene

Concen: 144.821 ug/l

RT: 10.844 min Scan# 3049

Delta R.T. 0.054 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

MW4

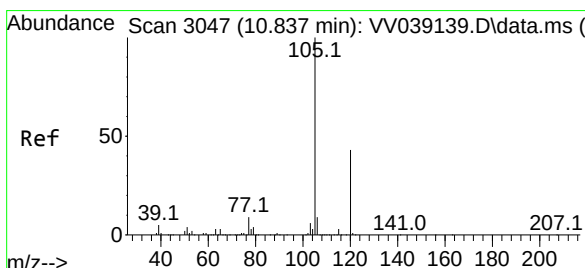
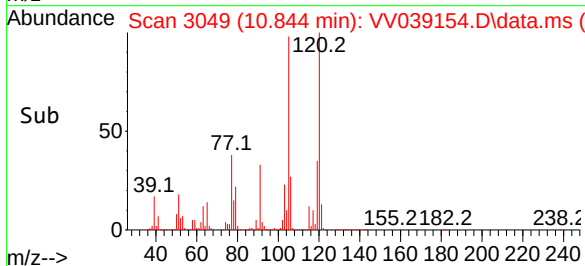
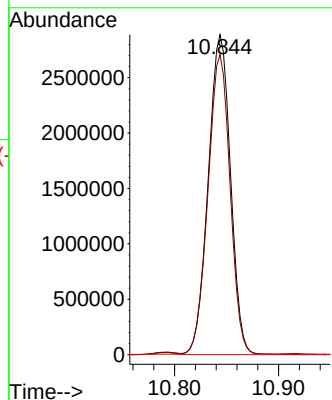
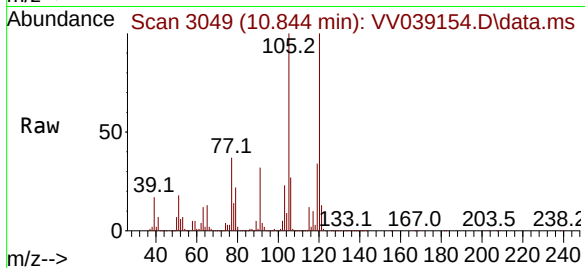
Tgt Ion:119 Resp: 4288613

Ion Ratio Lower Upper

119 100

91 92.7 28.5 85.6#

134 0.0 11.5 34.4#



#84

1,2,4-Trimethylbenzene

Concen: 218.373 ug/l

RT: 10.660 min Scan# 2992

Delta R.T. -0.177 min

Lab File: VV039154.D

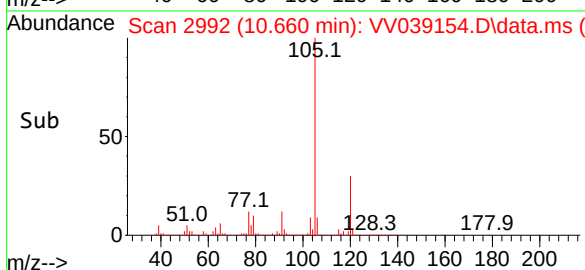
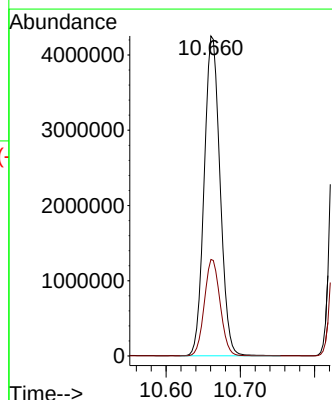
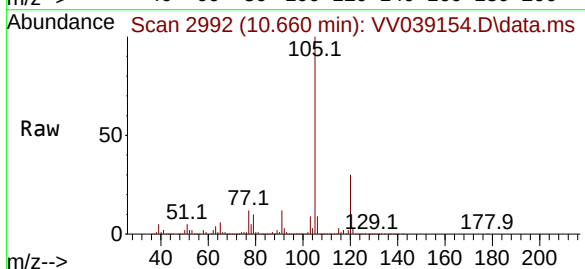
Acq: 24 Sep 2025 15:53

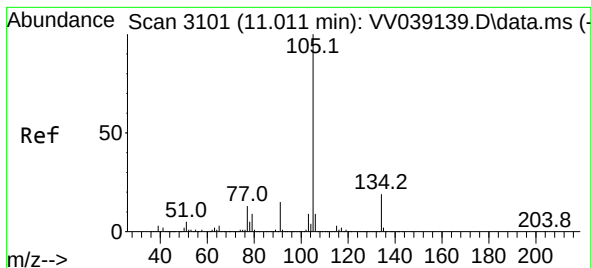
Tgt Ion:105 Resp: 6296085

Ion Ratio Lower Upper

105 100

120 30.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 18.392 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

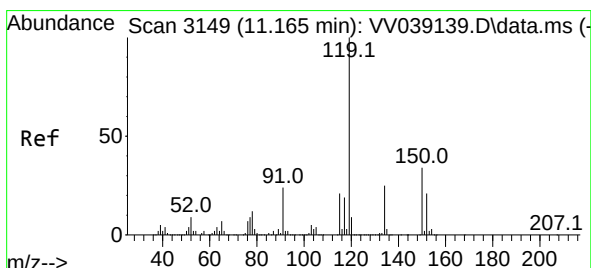
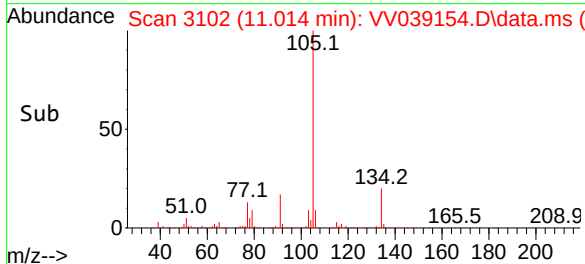
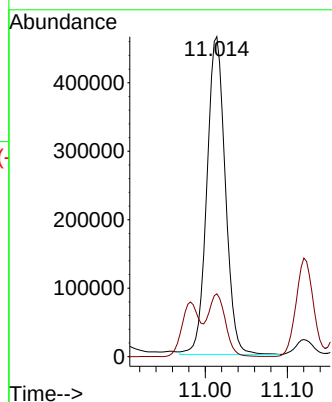
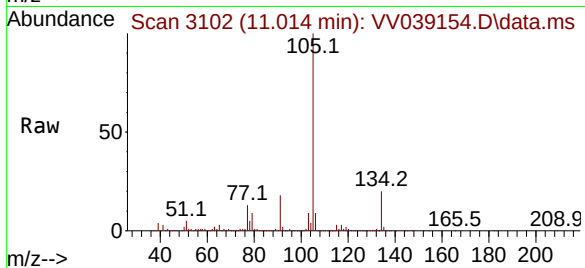
MW4

Tgt Ion:105 Resp: 722406

Ion Ratio Lower Upper

105 100

134 18.5 9.6 28.8



#86

p-Isopropyltoluene

Concen: 14.174 ug/l

RT: 11.168 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

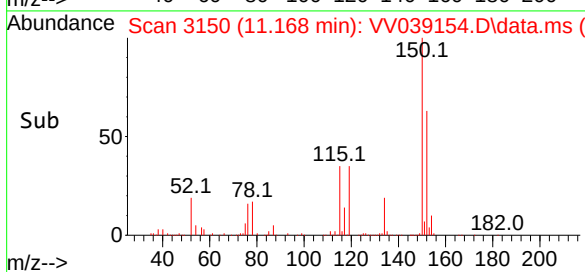
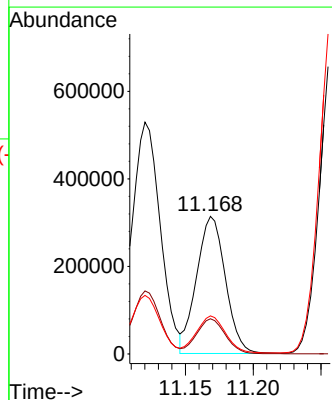
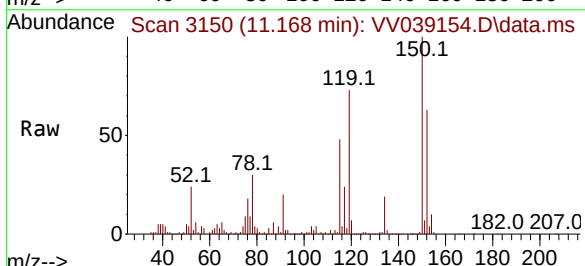
Tgt Ion:119 Resp: 463357

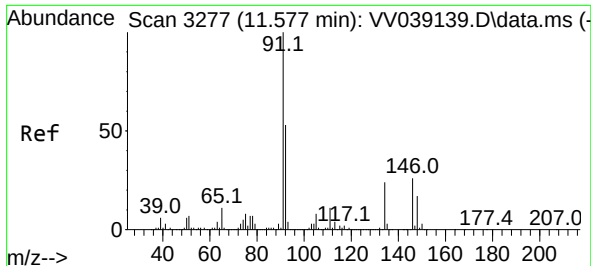
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 26.9 12.0 36.1





#89

n-Butylbenzene

Concen: 58.589 ug/l

RT: 11.574 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

MW4

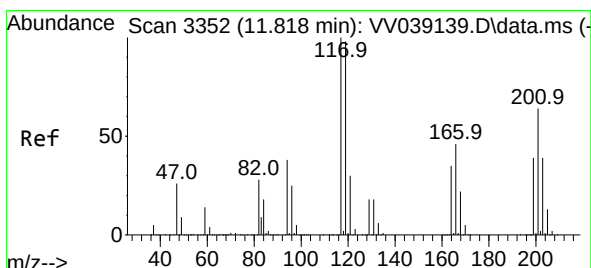
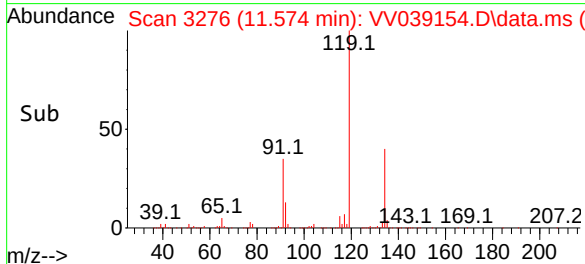
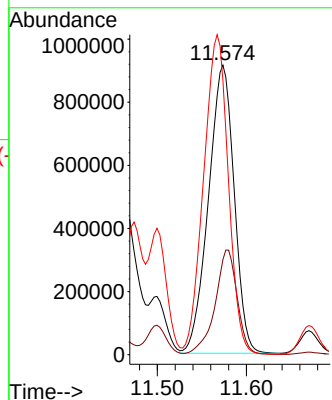
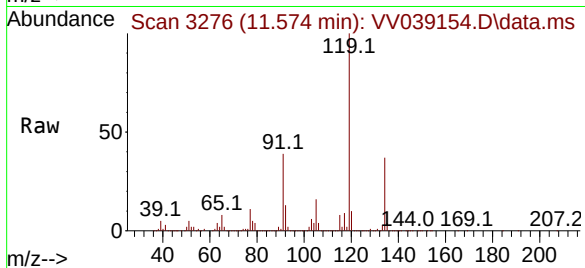
Tgt Ion: 91 Resp: 1829252

Ion Ratio Lower Upper

91 100

92 31.2 26.6 79.8

134 106.3 12.1 36.3#



#90

Hexachloroethane

Concen: 34.824 ug/l

RT: 11.837 min Scan# 3358

Delta R.T. 0.019 min

Lab File: VV039154.D

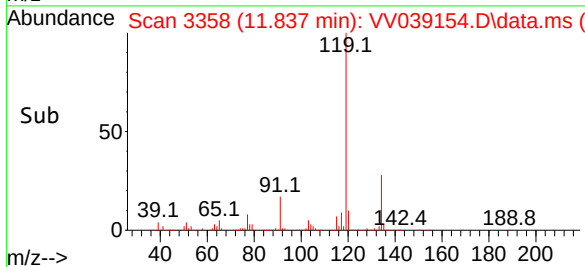
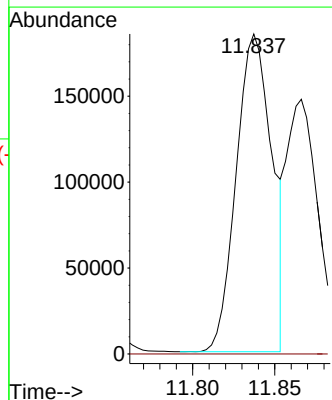
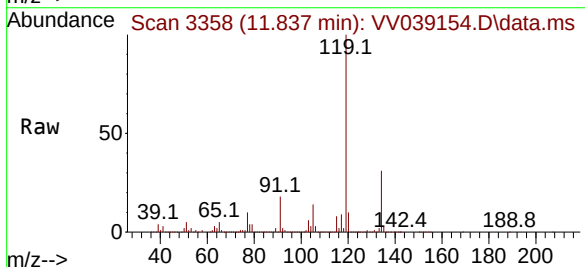
Acq: 24 Sep 2025 15:53

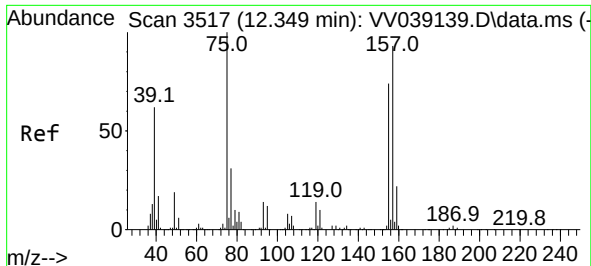
Tgt Ion:117 Resp: 280344

Ion Ratio Lower Upper

117 100

201 0.0 32.3 96.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 9.077 ug/l

RT: 12.336 min Scan# 3513

Delta R.T. -0.013 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

Instrument :

MSVOA_V

ClientSampleId :

MW4

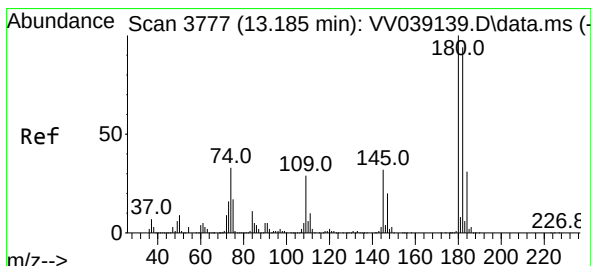
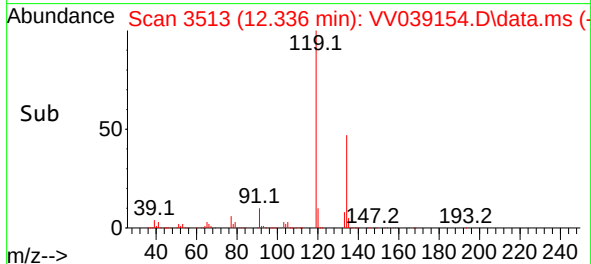
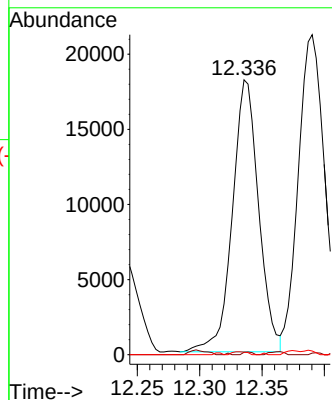
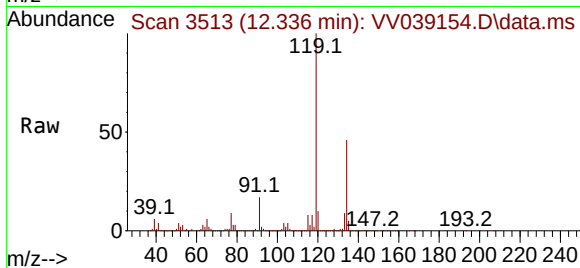
Tgt Ion: 75 Resp: 26535

Ion Ratio Lower Upper

75 100

155 0.3 38.6 115.8#

157 0.6 49.5 148.3#



#93

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 13.191 min Scan# 3779

Delta R.T. 0.006 min

Lab File: VV039154.D

Acq: 24 Sep 2025 15:53

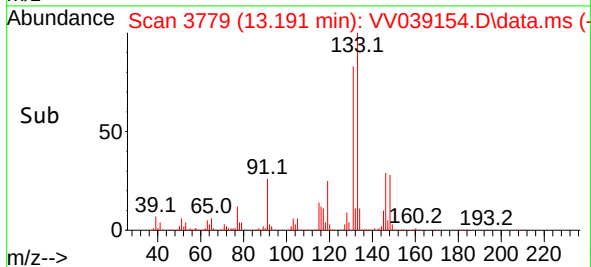
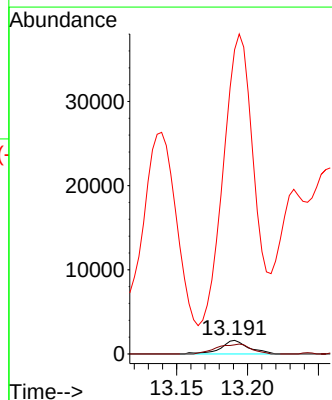
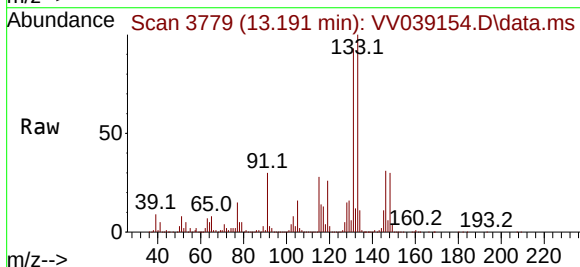
Tgt Ion: 180 Resp: 2186

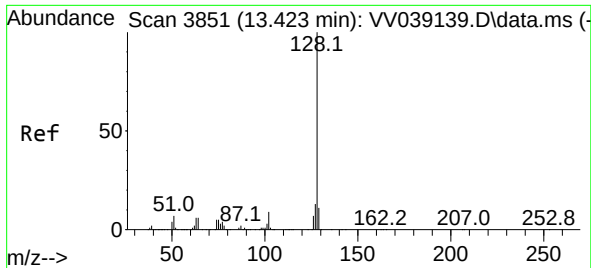
Ion Ratio Lower Upper

180 100

182 90.0 47.1 141.4

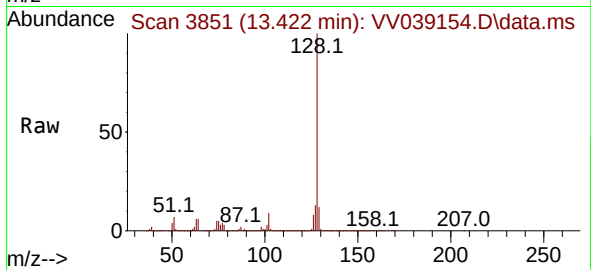
145 2362.4 16.3 48.8#





#95
Naphthalene
Concen: 303.997 ug/l
RT: 13.422 min Scan# 3851
Delta R.T. -0.001 min
Lab File: VV039154.D
Acq: 24 Sep 2025 15:53

Instrument :
MSVOA_V
ClientSampleId :
MW4



Tgt Ion:128 Resp: 9872434
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.5 8.6 13.0

