

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039153.D
 Acq On : 24 Sep 2025 15:31
 Operator : SY/MD
 Sample : Q3175-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW2

Quant Time: Sep 25 04:48:07 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	378275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	655768	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.779	117	600147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.178	152	318916	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	244683	44.693	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	89.380%
35) Dibromofluoromethane	4.503	113	205255	38.934	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	77.860%#
50) Toluene-d8	7.239	98	737311	47.619	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	95.240%
62) 4-Bromofluorobenzene	10.005	95	288262	45.224	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	90.440%

Target Compounds			Qvalue			
3) Chloromethane	1.207	50	15665	2.437	ug/l #	50
6) Chloroethane	1.780	64	4097	Below Cal	#	27
10) Methyl Iodide	2.207	142	1771	0.314	ug/l #	65
11) Tert butyl alcohol	2.571	59	19153	16.552	ug/l #	73
13) Acrolein	1.992	56	135491	674.815	ug/l #	1
14) Allyl chloride	2.397	41	95890	9.412	ug/l #	26
15) Acrylonitrile	2.706	53	109990	29.653	ug/l #	39
16) Acetone	2.095	43	254331	68.660	ug/l #	52
17) Carbon Disulfide	2.262	76	26662	1.529	ug/l #	93
18) Methyl Acetate	2.481	43	6160066	759.402	ug/l #	52
19) Methyl tert-butyl Ether	2.712	73	32873	1.809	ug/l #	1
20) Methylene Chloride	2.400	84	44730	5.701	ug/l #	12
23) Vinyl Acetate	3.198	43	74874	4.391	ug/l #	75
25) 2-Butanone	3.902	43	33353	7.608	ug/l	94
26) 2,2-Dichloropropane	3.677	77	83567	7.907	ug/l #	53
28) Bromochloromethane	4.358	49	15438	2.934	ug/l #	14
29) Tetrahydrofuran	4.272	42	1872	0.682	ug/l #	32
30) Chloroform	4.313	83	45633	3.666	ug/l #	56
31) Cyclohexane	4.583	56	3994761	409.101	ug/l	96
36) 1,1-Dichloropropene	4.603	75	35457	4.449	ug/l #	44
37) Ethyl Acetate	3.902	43	33353	3.449	ug/l #	71
38) Carbon Tetrachloride	4.596	117	40791	4.187	ug/l #	15
39) Methylcyclohexane	6.046	83	2582048	268.253	ug/l	99
40) Benzene	5.008	78	11848259	456.496	ug/l	98
41) Methacrylonitrile	4.166	41	10437	4.206	ug/l #	19
42) 1,2-Dichloroethane	5.008	62	95064	10.453	ug/l	96
43) Isopropyl Acetate	5.233	43	70026	5.310	ug/l #	61
45) 1,2-Dichloropropane	6.040	63	30772	4.770	ug/l #	1
46) Dibromomethane	6.191	93	1678	0.340	ug/l #	1
47) Bromodichloromethane	6.487	83	19995	1.959	ug/l #	26
48) Methyl methacrylate	6.281	41	197070	32.967	ug/l #	52
49) 1,4-Dioxane	6.284	88	21	0.218	ug/l #	1
51) 4-Methyl-2-Pentanone	7.181	43	40960	4.721	ug/l #	70
52) Toluene	7.307	92	1554151	103.275	ug/l	99
53) t-1,3-Dichloropropene	7.307	75	18125	2.037	ug/l #	1
55) 1,1,2-Trichloroethane	7.709	97	123246	18.265	ug/l #	18

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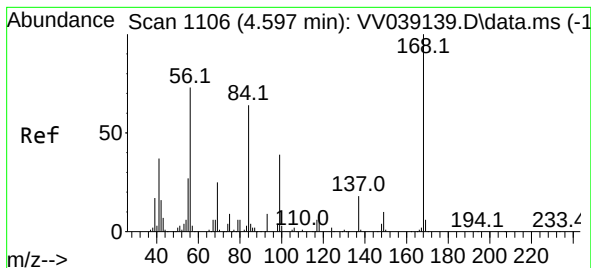
Quant Time: Sep 25 04:48:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
56) Ethyl methacrylate	7.709	69	35706	4.456	ug/l	#	1
58) 2-Chloroethyl Vinyl ether	6.780	63	9367	11.613	ug/l	#	49
59) 2-Hexanone	7.972	43	972	2.463	ug/l		72
69) o-Xylene	9.471	106	1043936	120.719	ug/l		99
70) Styrene	9.468	104	58674	4.644	ug/l	#	1
73) Isopropylbenzene	9.857	105	9939721	429.711	ug/l		99
74) N-amyl acetate	9.728	43	2296	0.249	ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	10.156	83	2617	0.258	ug/l	#	26
76) 1,2,3-Trichloropropane	10.281	75	186265	25.652	ug/l	#	1
78) n-propylbenzene	10.400	91	4448398	157.923	ug/l	#	1
79) 2-Chlorotoluene	10.400	91	4448398	263.922	ug/l	#	41
80) 1,3,5-Trimethylbenzene	10.664	105	13012277	676.797	ug/l		75
81) trans-1,4-Dichloro-2-b...	9.857	75	117984	39.008	ug/l	#	63
82) 4-Chlorotoluene	10.471	91	3952653	202.239	ug/l	#	46
83) tert-Butylbenzene	10.860	119	14950304	779.816	ug/l	#	47
84) 1,2,4-Trimethylbenzene	10.664	105	13027196	697.923	ug/l		80
85) sec-Butylbenzene	11.014	105	1244555	48.943	ug/l		100
86) p-Isopropyltoluene	11.123	119	1639149	77.448	ug/l		98
88) 1,4-Dichlorobenzene	11.201	146	2830	0.212	ug/l	#	66
89) n-Butylbenzene	11.574	91	3719647	184.023	ug/l	#	21
90) Hexachloroethane	11.837	117	666428	127.869	ug/l	#	18
92) 1,2-Dibromo-3-Chloropr...	12.339	75	49733	27.649	ug/l	#	5
93) 1,2,4-Trichlorobenzene	13.191	180	2935	0.451	ug/l	#	1
94) Hexachlorobutadiene	13.374	225	854	0.253	ug/l		88
96) 1,2,3-Trichlorobenzene	13.673	180	2027	0.305	ug/l	#	74

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

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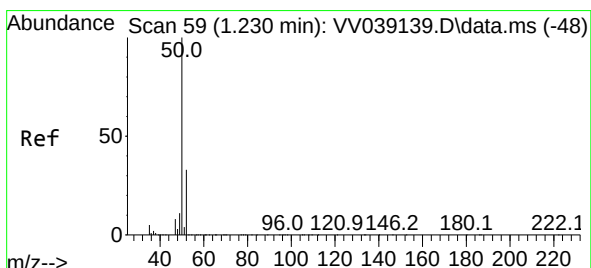
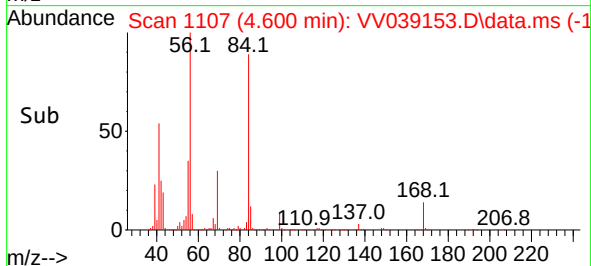
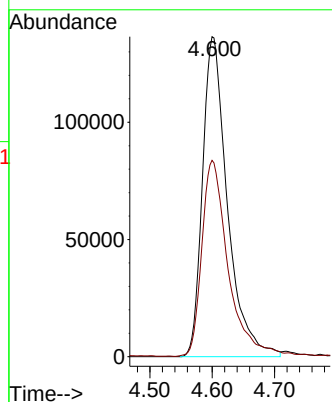
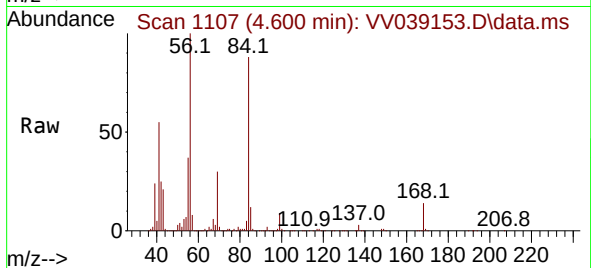




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

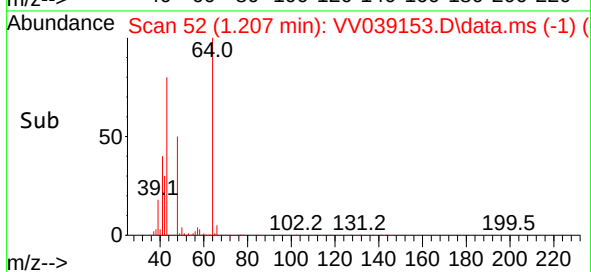
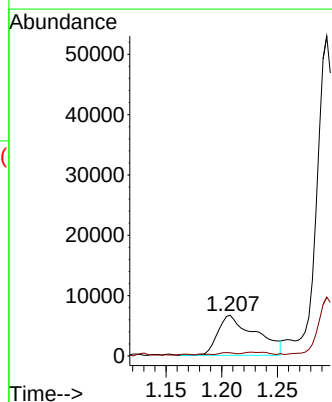
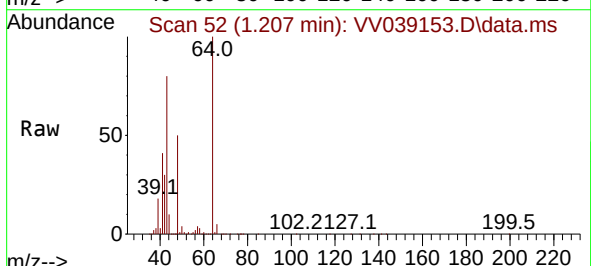
Instrument :
MSVOA_V
ClientSampleId :
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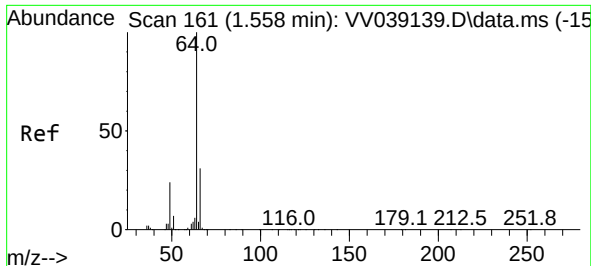
Tgt Ion:168 Resp: 378275
Ion Ratio Lower Upper
168 100
99 61.1 49.6 74.4



#3
Chloromethane
Concen: 2.437 ug/l
RT: 1.207 min Scan# 52
Delta R.T. -0.023 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 50 Resp: 15665
Ion Ratio Lower Upper
50 100
52 4.5 26.0 39.0#

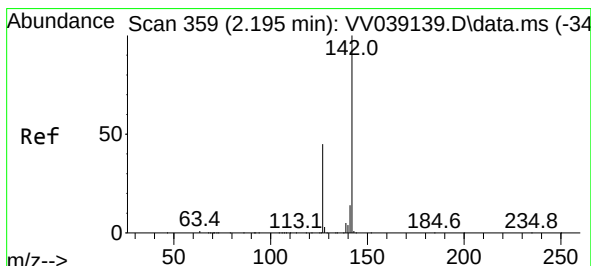
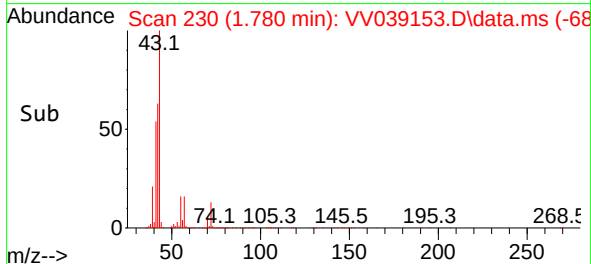
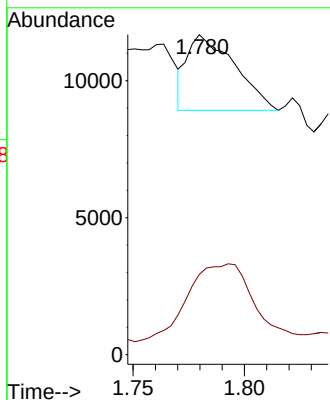
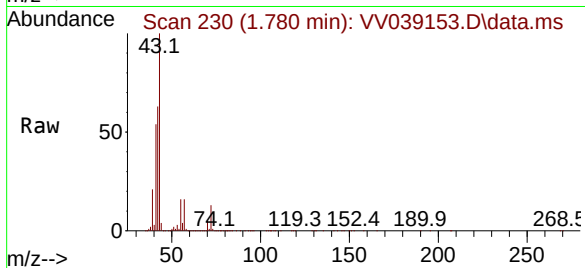




#6
Chloroethane
Concen: Below Cal
RT: 1.780 min Scan# 21
Delta R.T. 0.222 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

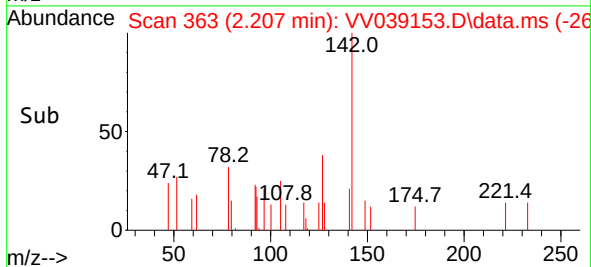
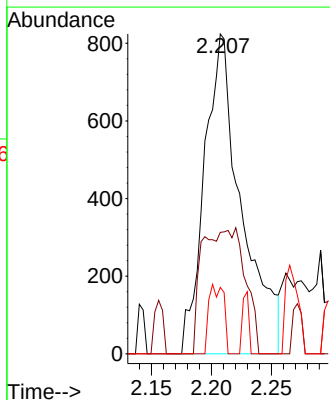
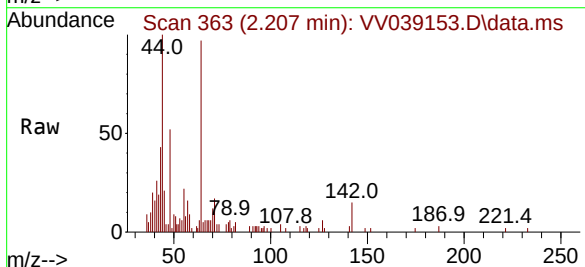
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ClientSampleId :
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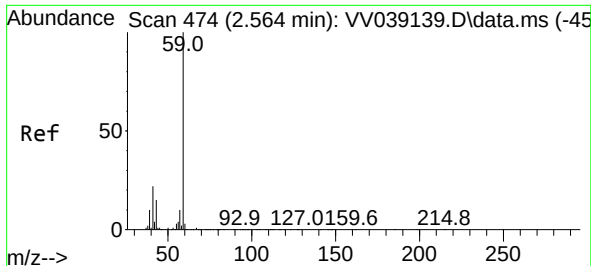
Tgt Ion: 64 Resp: 4097
Ion Ratio Lower Upper
64 100
66 70.5 24.6 36.8#



#10
Methyl Iodide
Concen: 0.314 ug/l
RT: 2.207 min Scan# 363
Delta R.T. 0.013 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 142 Resp: 1771
Ion Ratio Lower Upper
142 100
127 18.1 36.3 54.5#
141 8.6 11.2 16.8#

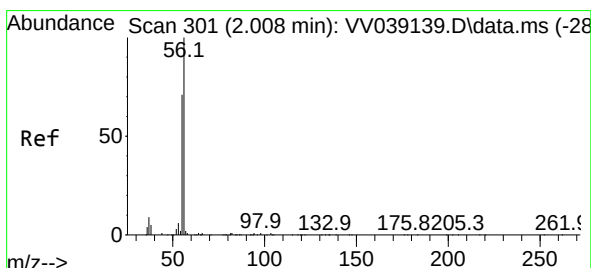
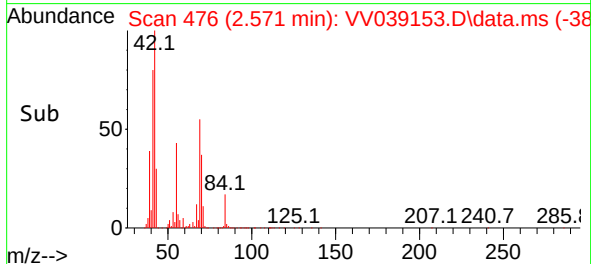
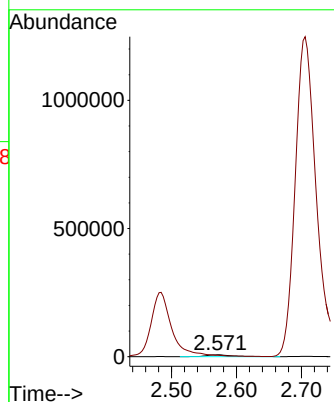
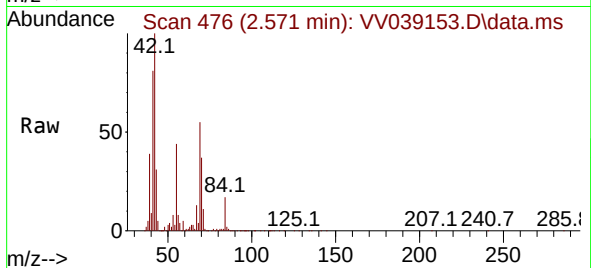




#11
Tert butyl alcohol
Concen: 16.552 ug/l
RT: 2.571 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

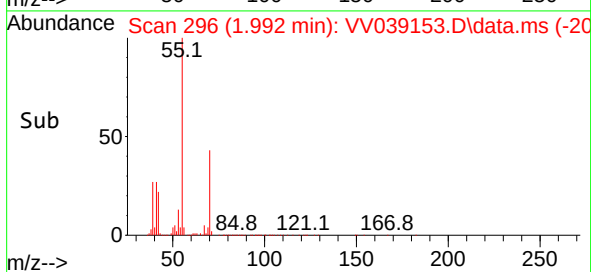
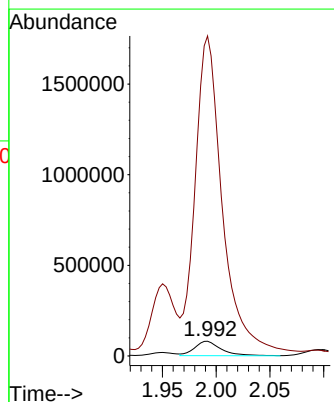
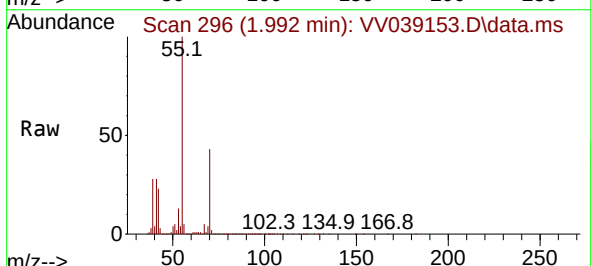
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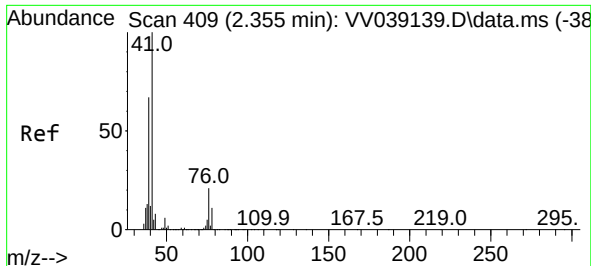
Tgt Ion: 59 Resp: 19153
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 674.815 ug/l
RT: 1.992 min Scan# 296
Delta R.T. -0.016 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 56 Resp: 135491
Ion Ratio Lower Upper
56 100
55 2231.8 56.2 84.4#

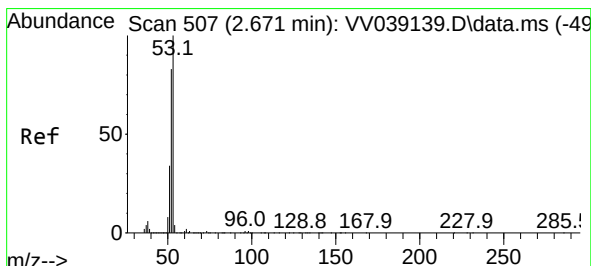
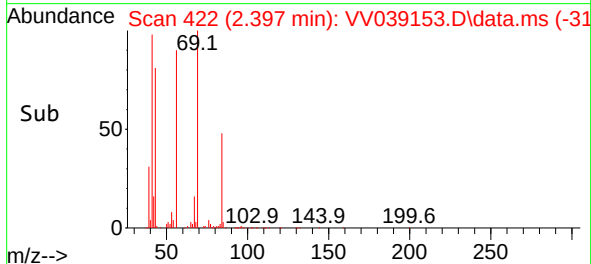
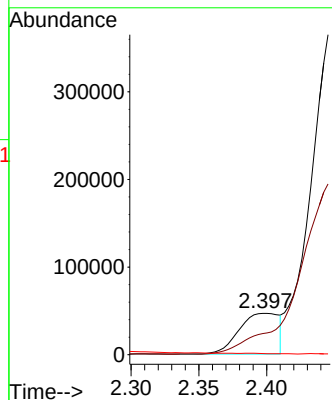
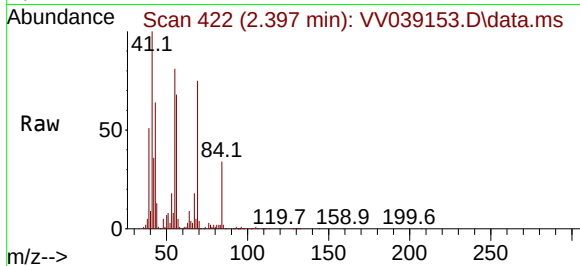




#14
 Allyl chloride
 Concen: 9.412 ug/l
 RT: 2.397 min Scan# 41
 Delta R.T. 0.042 min
 Lab File: VV039153.D
 Acq: 24 Sep 2025 15:31

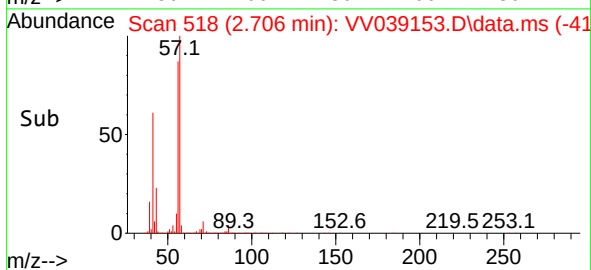
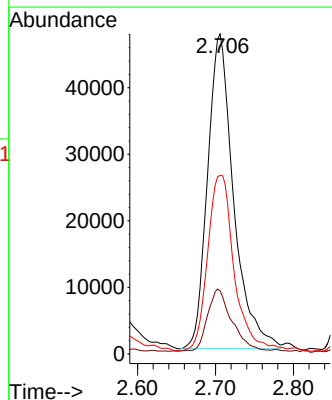
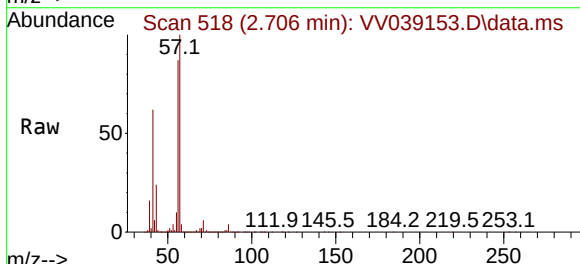
Instrument :
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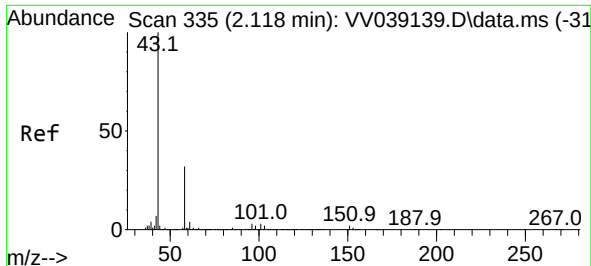
Tgt Ion: 41 Resp: 95890
 Ion Ratio Lower Upper
 41 100
 39 0.0 51.0 76.6#
 76 0.0 28.2 42.4#



#15
 Acrylonitrile
 Concen: 29.653 ug/l
 RT: 2.706 min Scan# 518
 Delta R.T. 0.035 min
 Lab File: VV039153.D
 Acq: 24 Sep 2025 15:31

Tgt Ion: 53 Resp: 109990
 Ion Ratio Lower Upper
 53 100
 52 18.4 66.1 99.1#
 51 56.2 28.5 42.7#

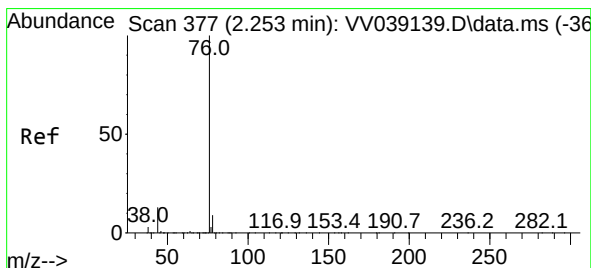
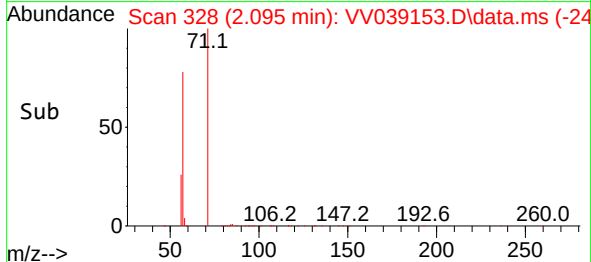
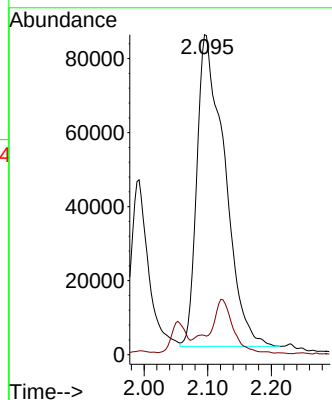
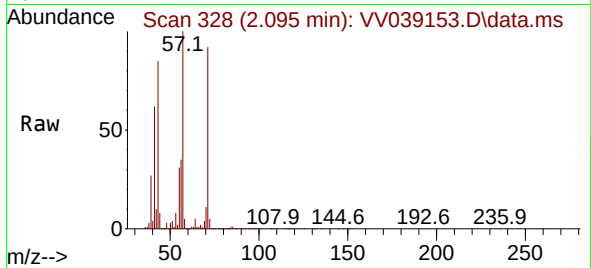




#16
Acetone
Concen: 68.660 ug/l
RT: 2.095 min Scan# 31
Delta R.T. -0.023 min
Lab File: VV039153.D
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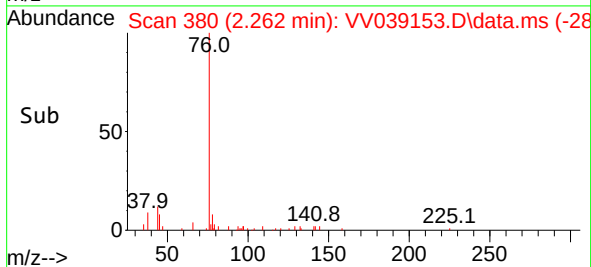
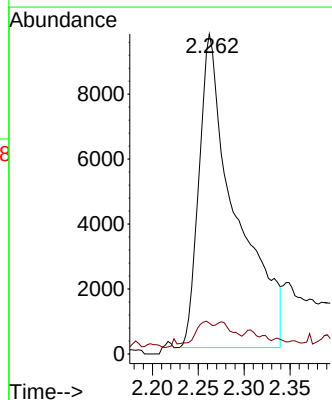
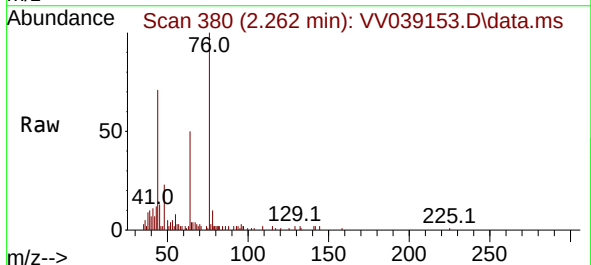
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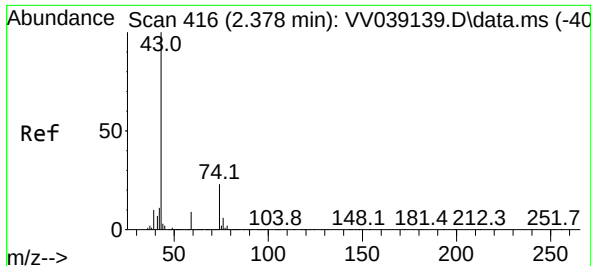
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Ion Ratio Lower Upper
43 100
58 5.6 25.8 38.6#



#17
Carbon Disulfide
Concen: 1.529 ug/l
RT: 2.262 min Scan# 380
Delta R.T. 0.009 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 76 Resp: 26662
Ion Ratio Lower Upper
76 100
78 6.5 7.4 11.0#

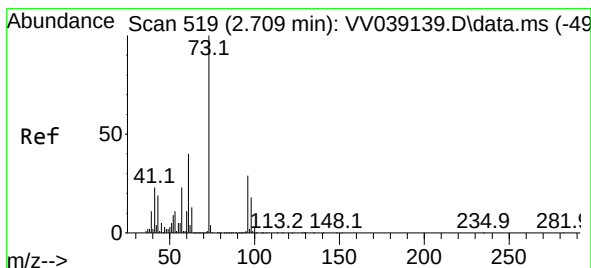
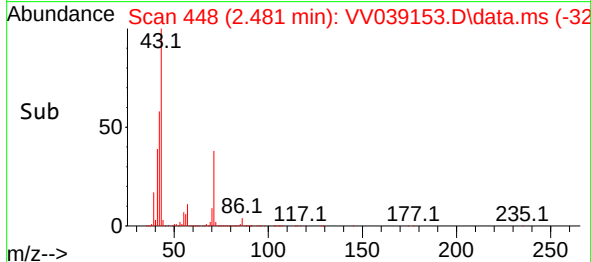
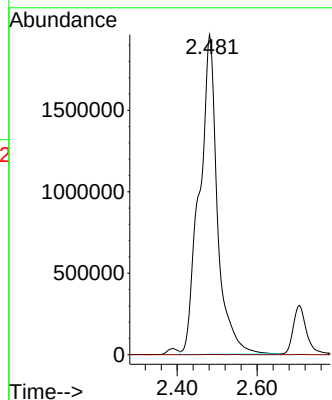
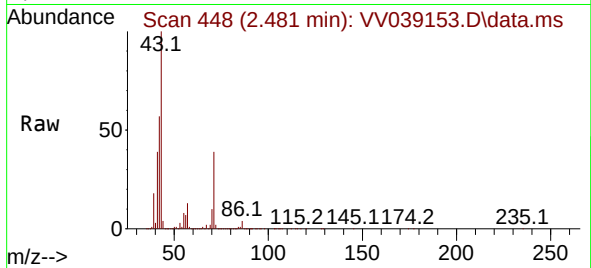




#18
Methyl Acetate
Concen: 759.402 ug/l
RT: 2.481 min Scan# 416
Delta R.T. 0.103 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

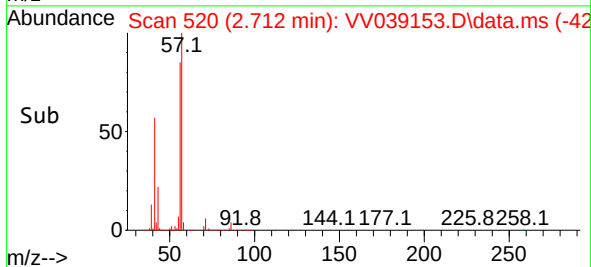
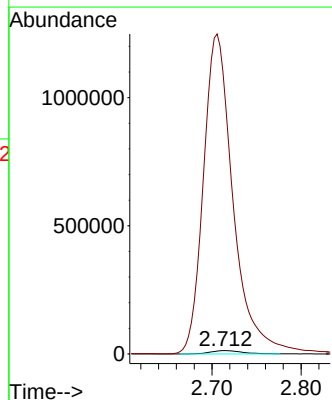
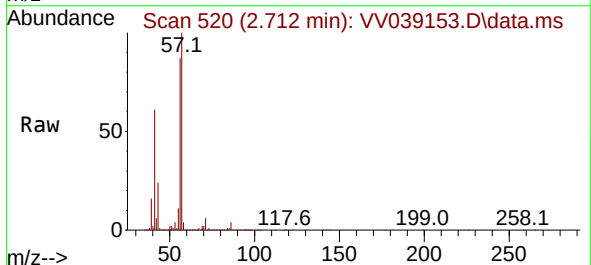
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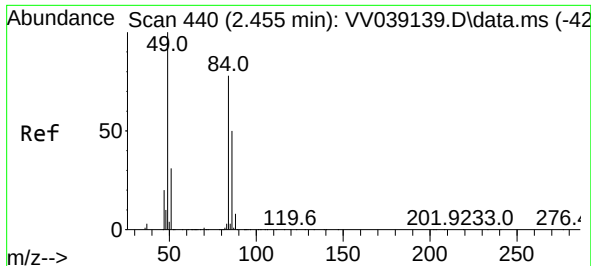
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Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 1.809 ug/l
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 73 Resp: 32873
Ion Ratio Lower Upper
73 100
57 8294.3 18.2 27.4#

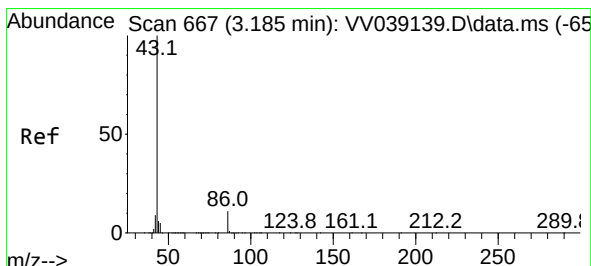
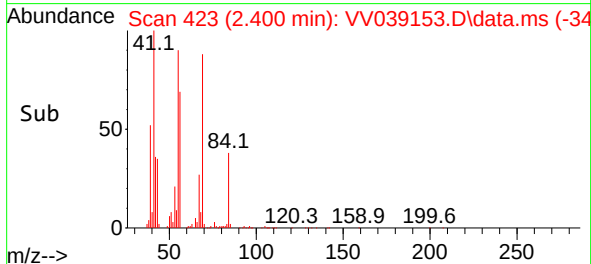
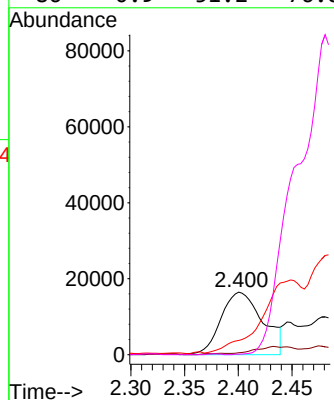
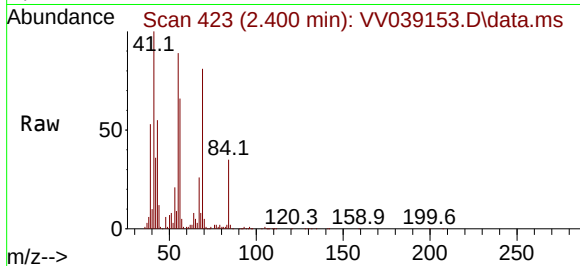




#20
Methylene Chloride
Concen: 5.701 ug/l
RT: 2.400 min Scan# 41
Delta R.T. -0.055 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

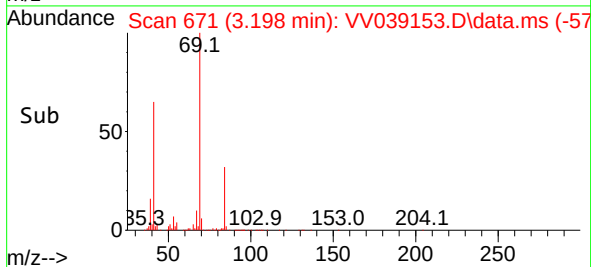
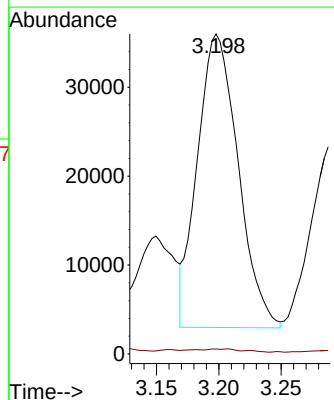
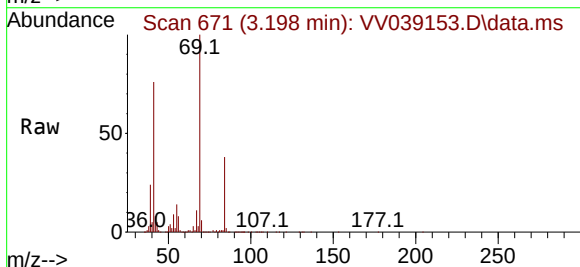
Instrument :
MSVOA_V
ClientSampleId :
MW2

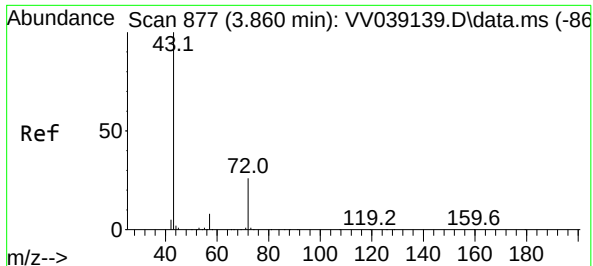
Tgt Ion:	84	Resp:	44730
Ion	Ratio	Lower	Upper
84	100		
49	2.1	102.8	154.2#
51	20.1	31.9	47.9#
86	0.9	51.2	76.8#



#23
Vinyl Acetate
Concen: 4.391 ug/l
RT: 3.198 min Scan# 671
Delta R.T. 0.013 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:	43	Resp:	74874
Ion	Ratio	Lower	Upper
43	100		
86	1.0	8.4	12.6#

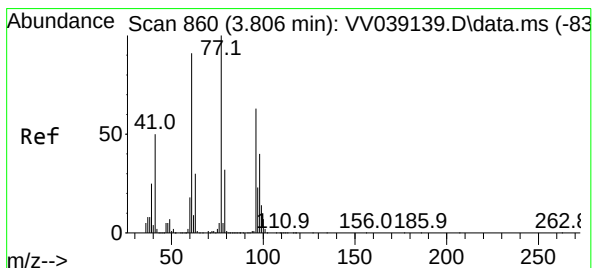
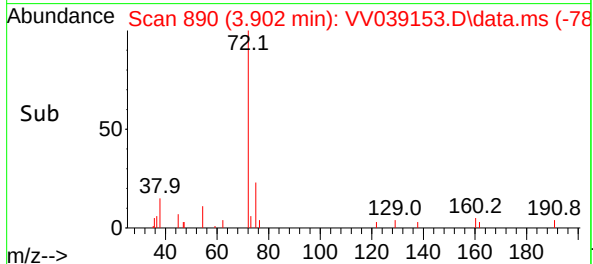
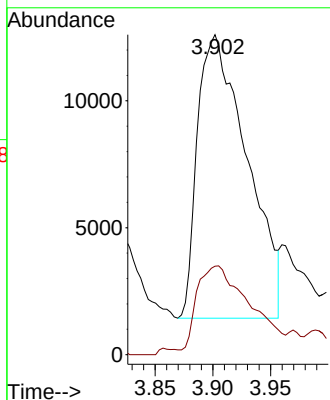
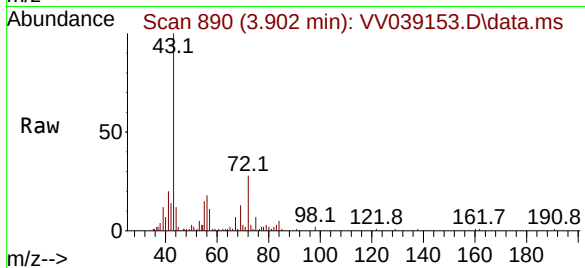




#25
2-Butanone
Concen: 7.608 ug/l
RT: 3.902 min Scan# 890
Delta R.T. 0.042 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

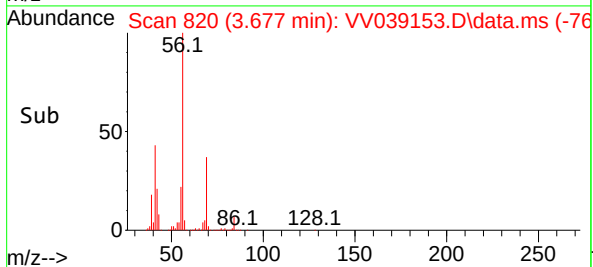
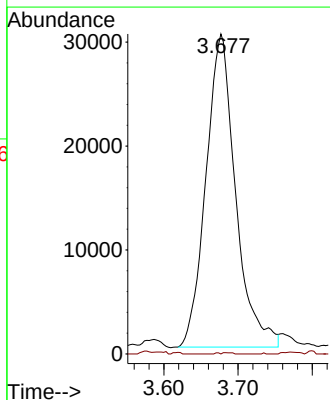
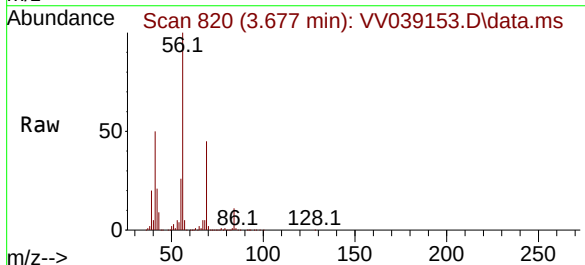
Instrument :
MSVOA_V
ClientSampleId :
MW2

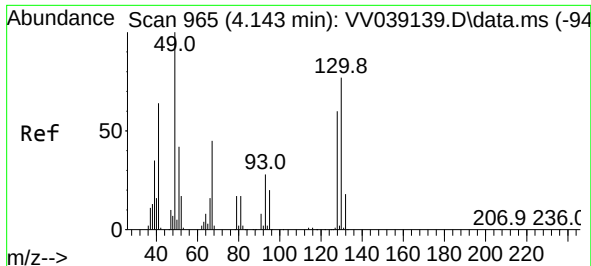
Tgt Ion: 43 Resp: 33353
Ion Ratio Lower Upper
43 100
72 29.5 21.0 31.6



#26
2,2-Dichloropropane
Concen: 7.907 ug/l
RT: 3.677 min Scan# 820
Delta R.T. -0.129 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 77 Resp: 83567
Ion Ratio Lower Upper
77 100
97 0.1 11.6 34.7#

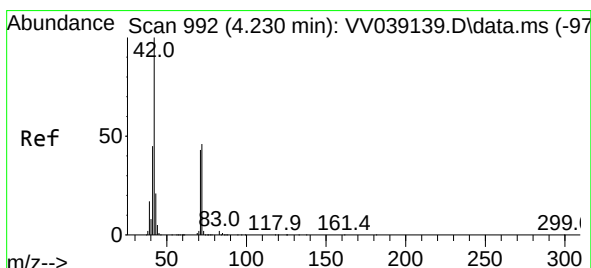
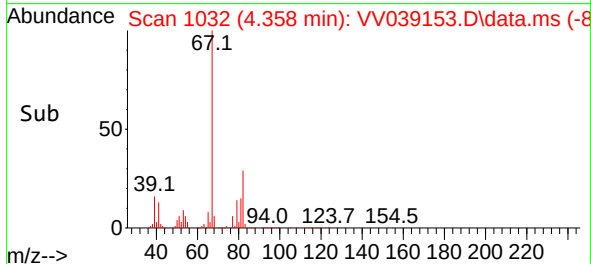
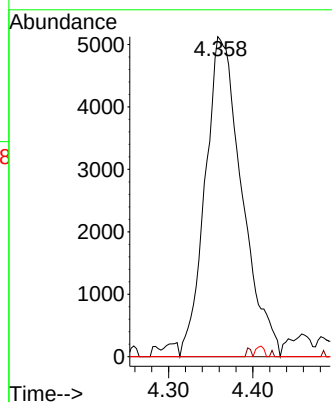
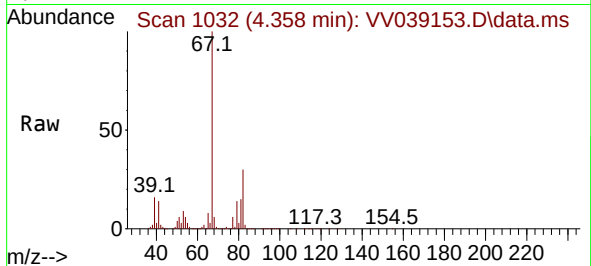




#28
Bromochloromethane
Concen: 2.934 ug/l
RT: 4.358 min Scan# 1005
Delta R.T. 0.215 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

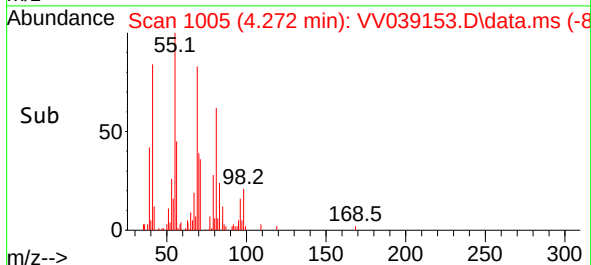
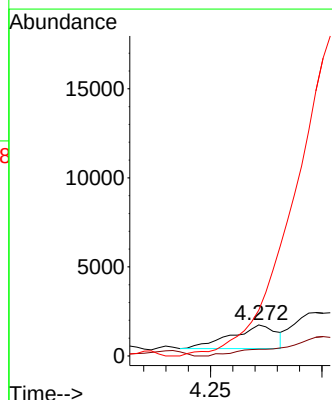
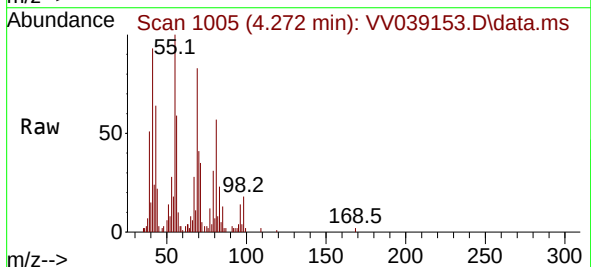
Instrument :
MSVOA_V
ClientSampleId :
MW2

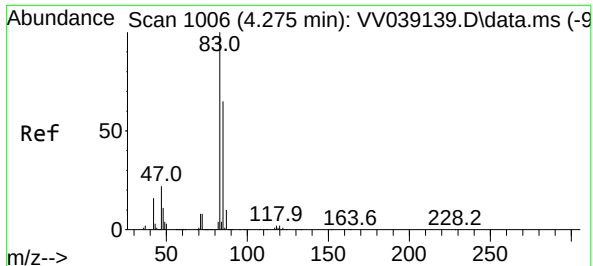
Tgt Ion: 49 Resp: 15438
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 60.2 90.2#



#29
Tetrahydrofuran
Concen: 0.682 ug/l
RT: 4.272 min Scan# 1005
Delta R.T. 0.042 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 42 Resp: 1872
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 0.0 34.3 51.5#





#30

Chloroform

Concen: 3.666 ug/l

RT: 4.313 min Scan# 1102

Delta R.T. 0.038 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

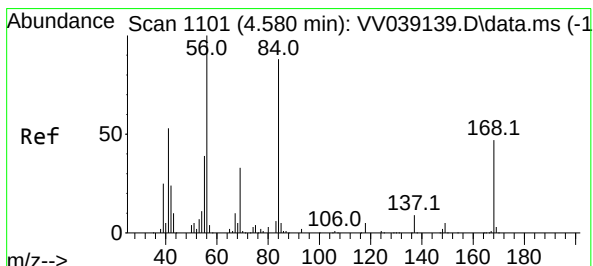
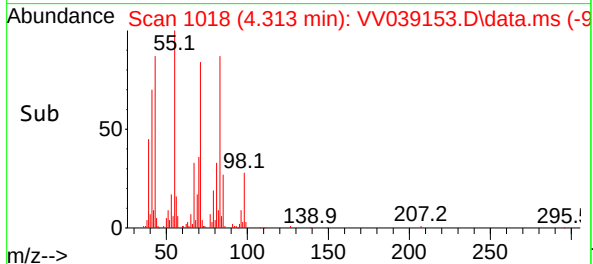
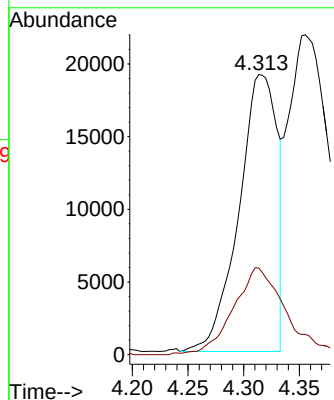
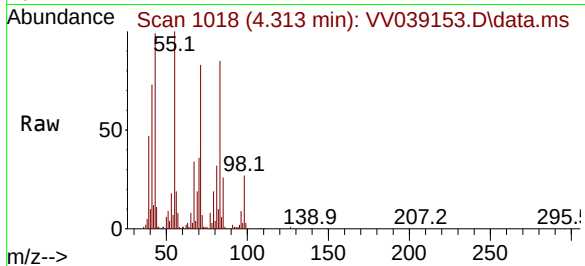
MW2

Tgt Ion: 83 Resp: 45633

Ion Ratio Lower Upper

83 100

85 30.8 52.1 78.1#



#31

Cyclohexane

Concen: 409.101 ug/l

RT: 4.583 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

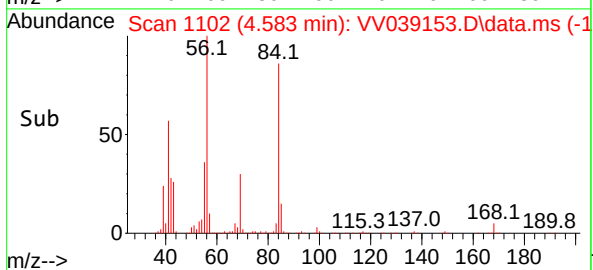
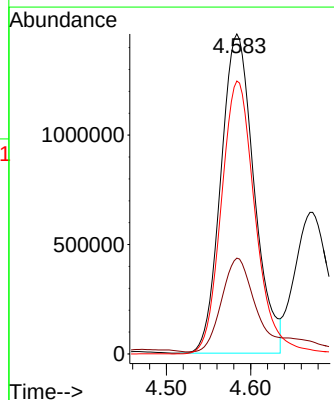
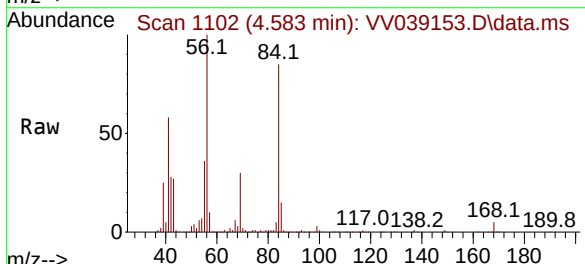
Tgt Ion: 56 Resp: 3994761

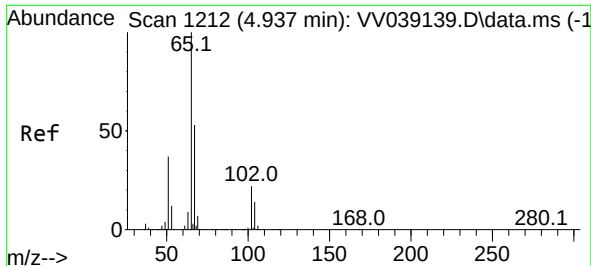
Ion Ratio Lower Upper

56 100

69 29.2 26.2 39.2

84 85.5 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 44.693 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

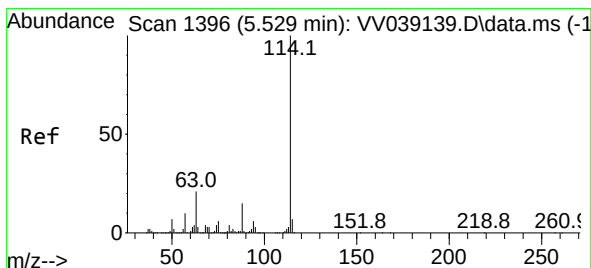
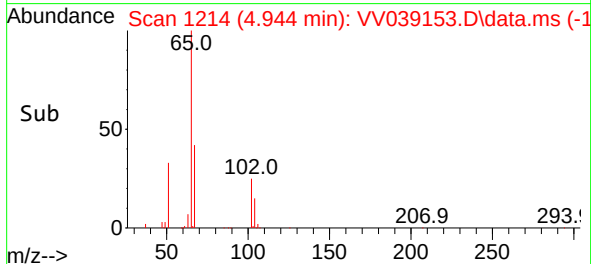
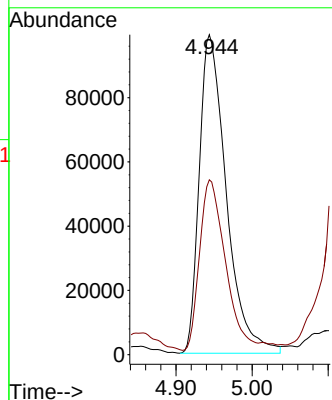
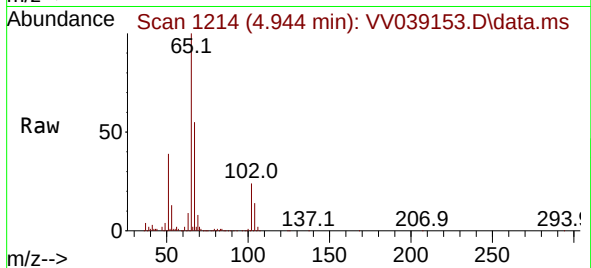
MW2

Tgt Ion: 65 Resp: 244683

Ion Ratio Lower Upper

65 100

67 51.0 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: VV039153.D

Acq: 24 Sep 2025 15:31

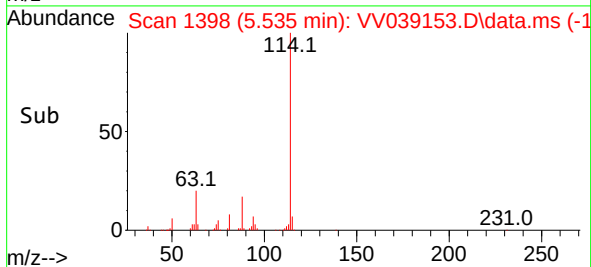
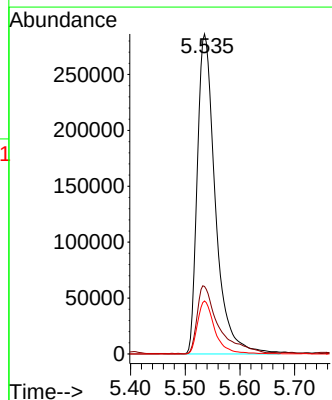
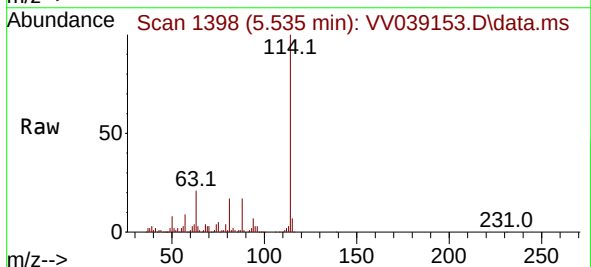
Tgt Ion:114 Resp: 655768

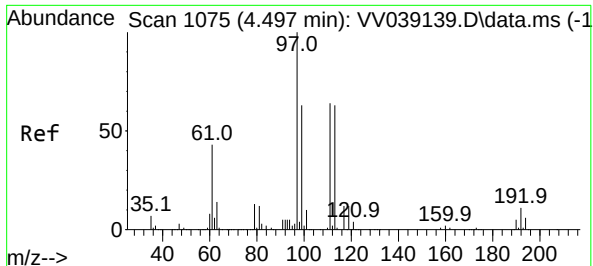
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.5 0.0 30.8

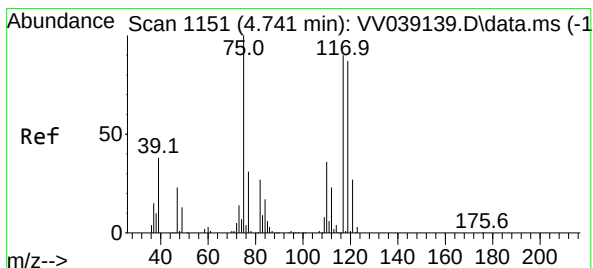
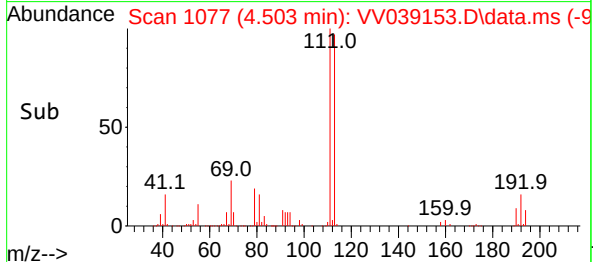
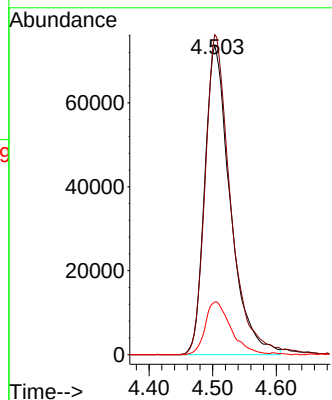
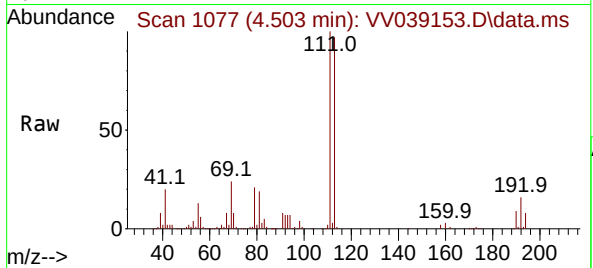




#35
Dibromofluoromethane
Concen: 38.934 ug/l
RT: 4.503 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

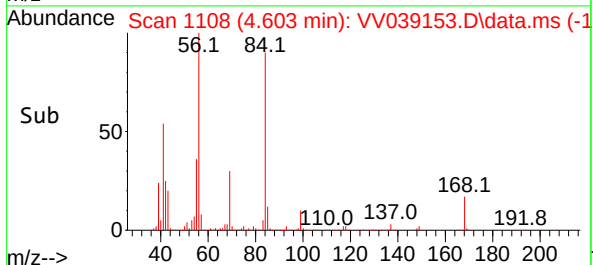
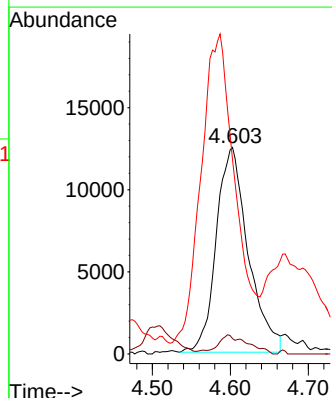
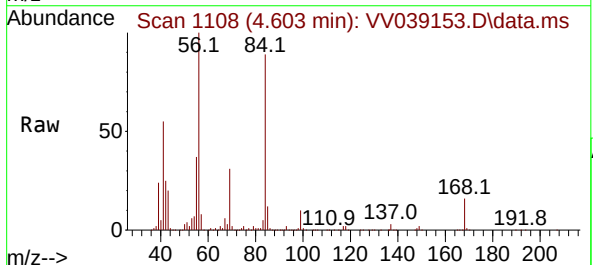
Instrument :
MSVOA_V
ClientSampleId :
MW2

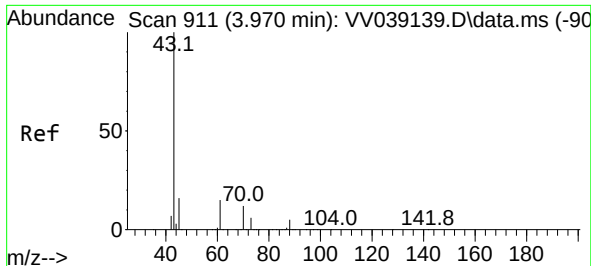
Tgt Ion: 113 Resp: 205255
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 17.3 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.449 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. -0.138 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 75 Resp: 35457
Ion Ratio Lower Upper
75 100
110 3.6 18.1 54.1#
77 0.0 24.8 37.2#

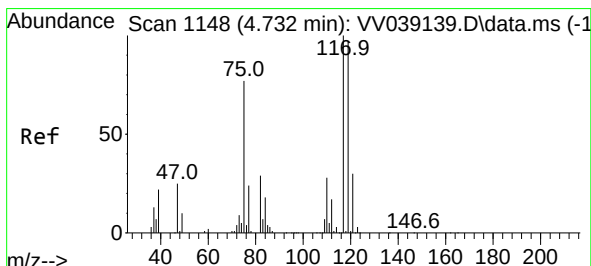
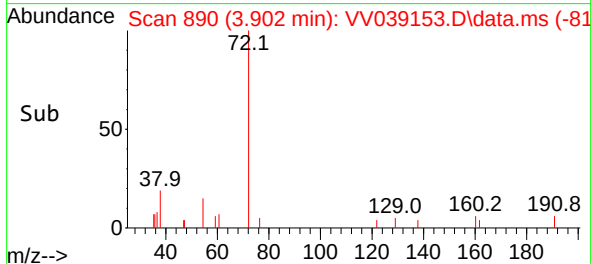
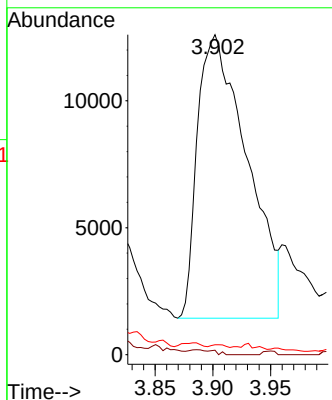
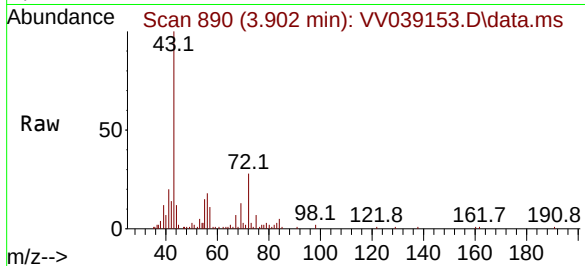




#37
Ethyl Acetate
Concen: 3.449 ug/l
RT: 3.902 min Scan# 81
Delta R.T. -0.068 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

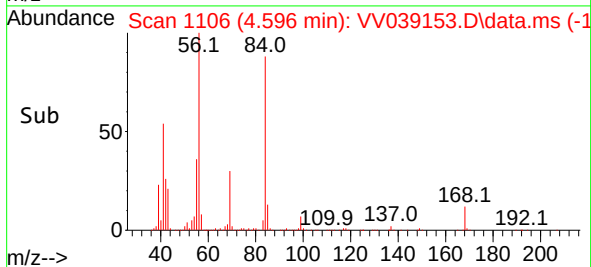
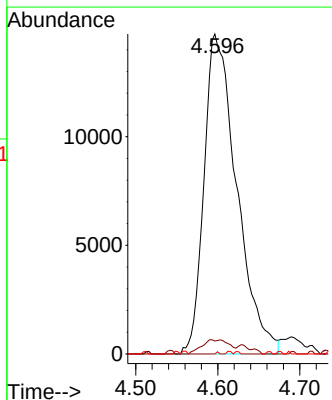
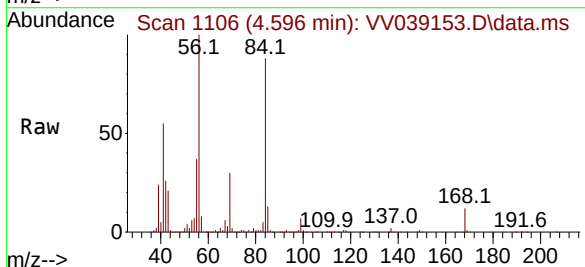
Instrument :
MSVOA_V
ClientSampleId :
MW2

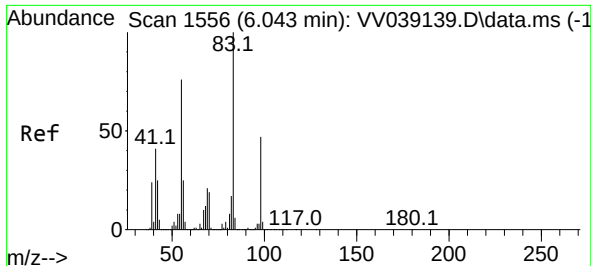
Tgt Ion: 43 Resp: 33353
Ion Ratio Lower Upper
43 100
61 0.9 10.3 15.5#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 4.187 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.136 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 117 Resp: 40791
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 268.253 ug/l

RT: 6.046 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

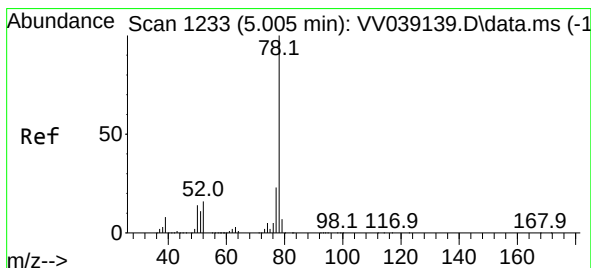
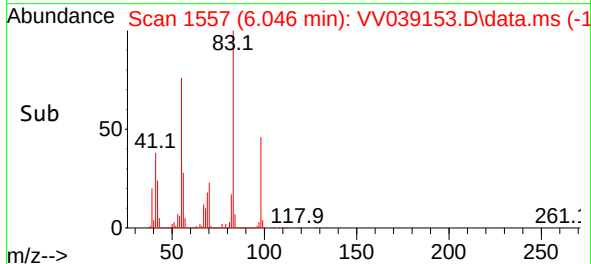
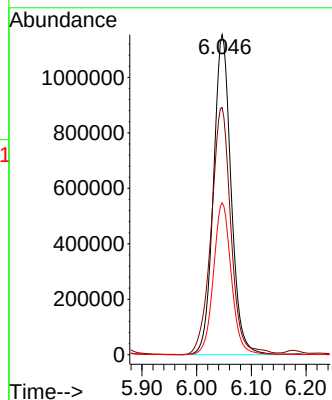
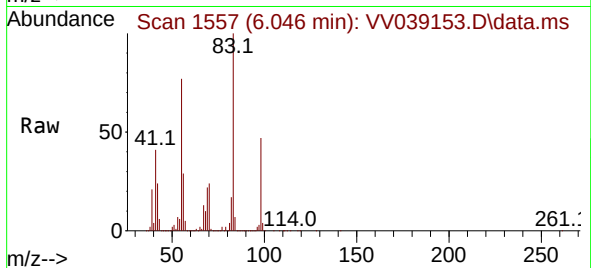
Tgt Ion: 83 Resp: 2582048

Ion Ratio Lower Upper

83 100

55 77.2 60.5 90.7

98 47.4 37.8 56.6



#40

Benzene

Concen: 456.496 ug/l

RT: 5.008 min Scan# 1234

Delta R.T. 0.003 min

Lab File: VV039153.D

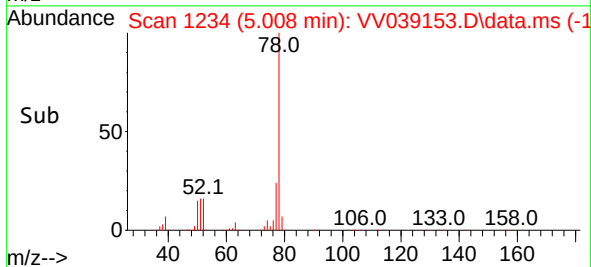
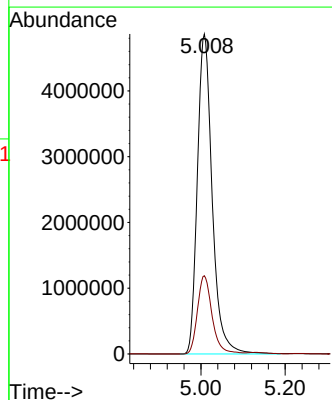
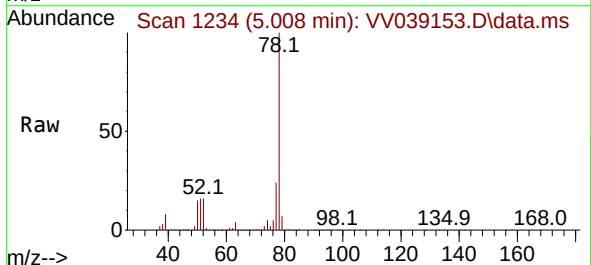
Acq: 24 Sep 2025 15:31

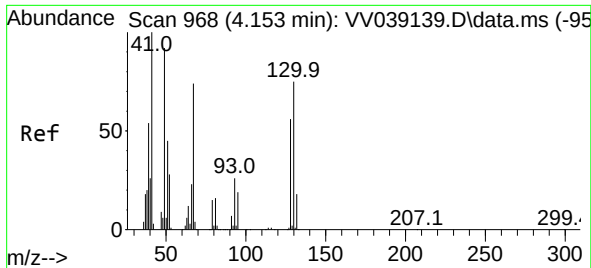
Tgt Ion: 78 Resp: 11848259

Ion Ratio Lower Upper

78 100

77 24.4 18.7 28.1

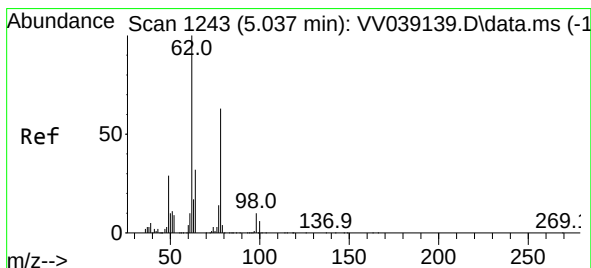
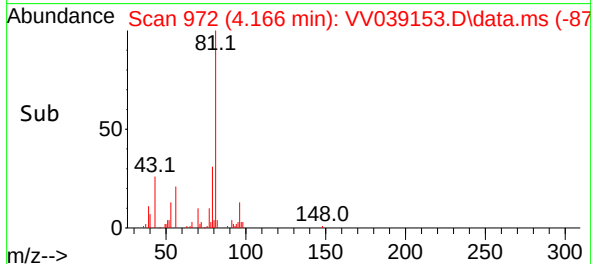
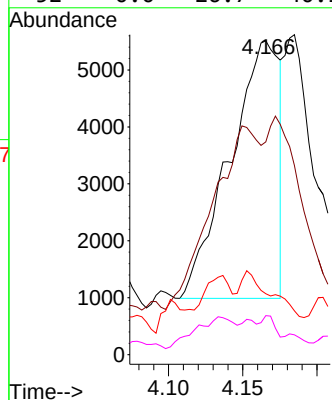
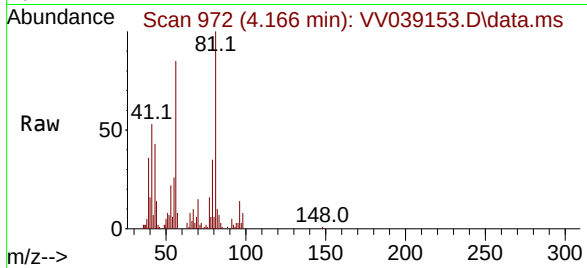




#41
Methacrylonitrile
Concen: 4.206 ug/l
RT: 4.166 min Scan# 91
Delta R.T. 0.013 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

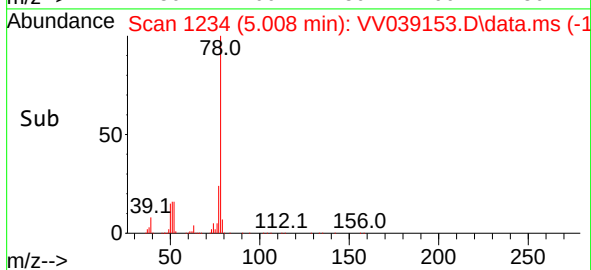
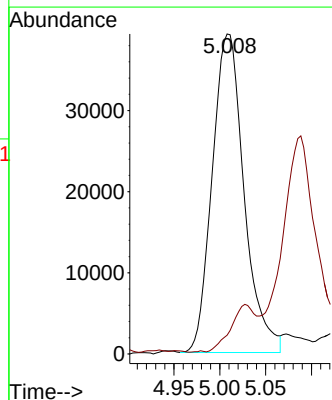
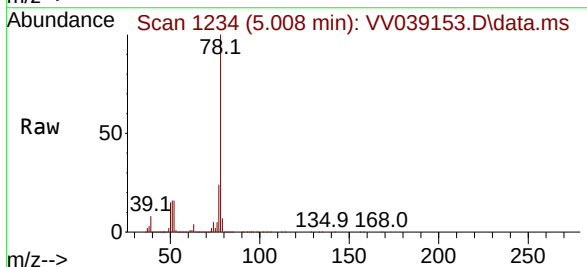
Instrument :
MSVOA_V
ClientSampleId :
MW2

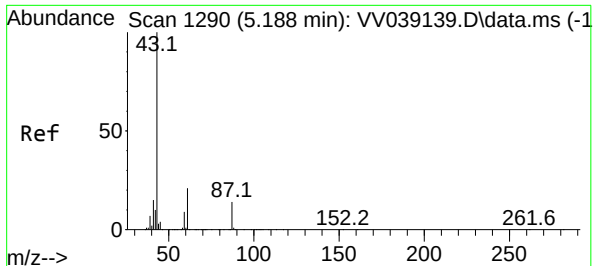
Tgt Ion:	41	Resp:	10437
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.2	63.2#
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 10.453 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. -0.029 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:	62	Resp:	95064
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	19.2





#43

Isopropyl Acetate

Concen: 5.310 ug/l

RT: 5.233 min Scan# 11

Delta R.T. 0.045 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

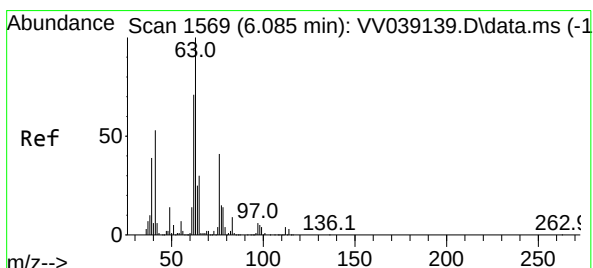
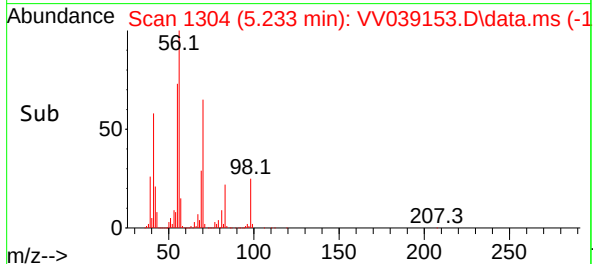
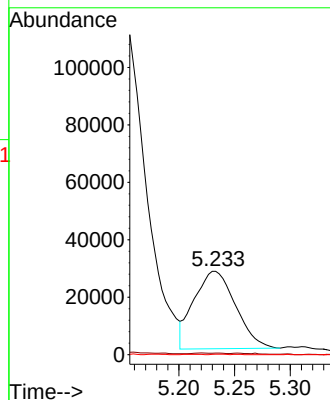
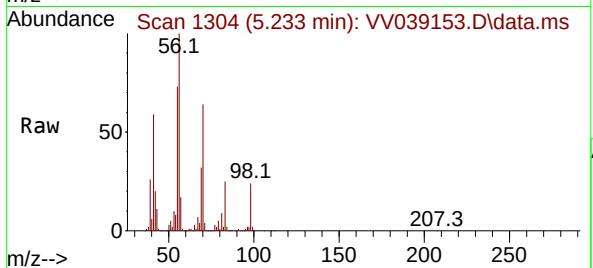
Tgt Ion: 43 Resp: 70026

Ion Ratio Lower Upper

43 100

61 0.0 15.9 23.9#

87 0.2 11.0 16.6#



#45

1,2-Dichloropropane

Concen: 4.770 ug/l

RT: 6.040 min Scan# 1555

Delta R.T. -0.045 min

Lab File: VV039153.D

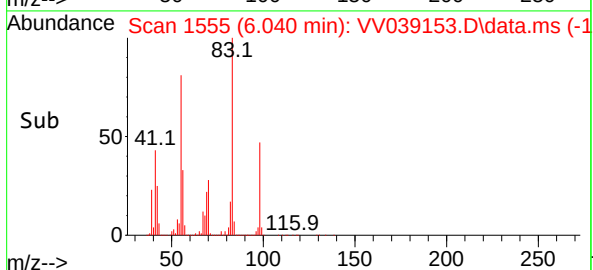
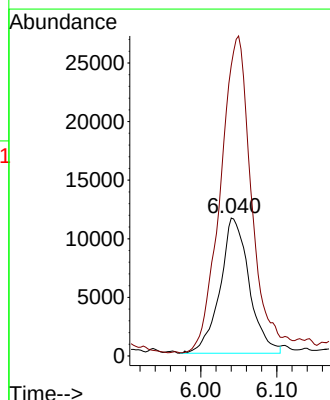
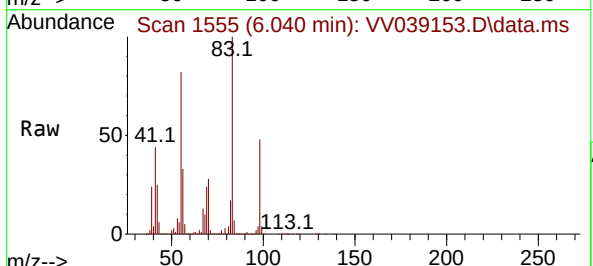
Acq: 24 Sep 2025 15:31

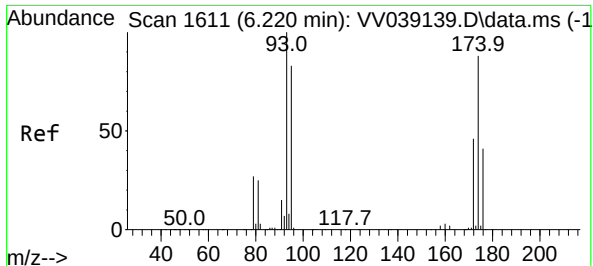
Tgt Ion: 63 Resp: 30772

Ion Ratio Lower Upper

63 100

65 212.3 23.7 35.5#





#46

Dibromomethane

Concen: 0.340 ug/l

RT: 6.191 min Scan# 1

Delta R.T. -0.029 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

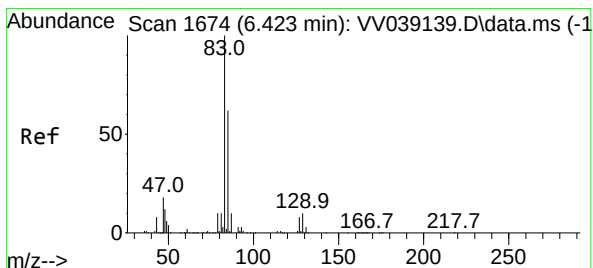
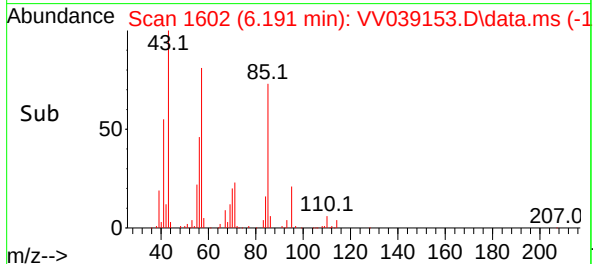
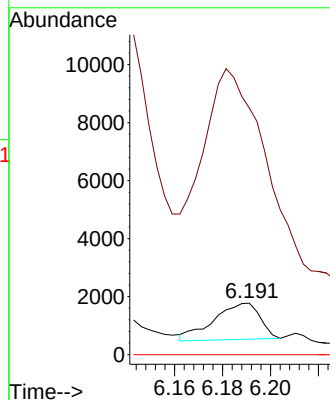
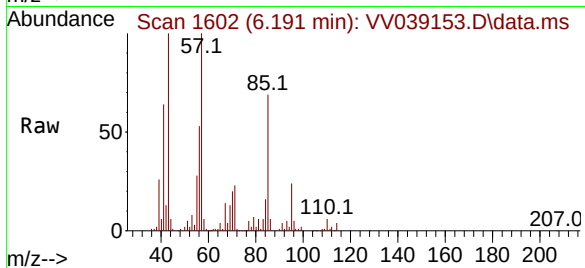
MSVOA_V

ClientSampleId :

MW2

Tgt Ion: 93 Resp: 1678

Ion	Ratio	Lower	Upper
93	100		
95	1300.3	65.5	98.3#
174	0.0	69.0	103.4#



#47

Bromodichloromethane

Concen: 1.959 ug/l

RT: 6.487 min Scan# 1694

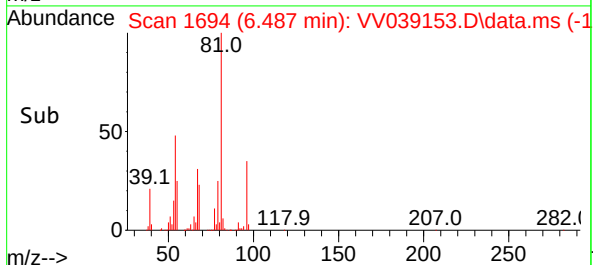
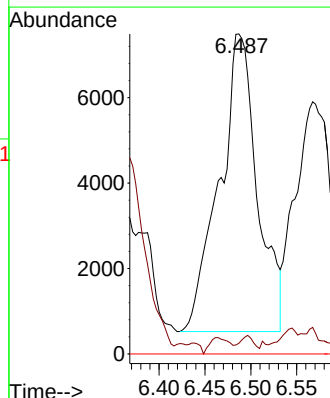
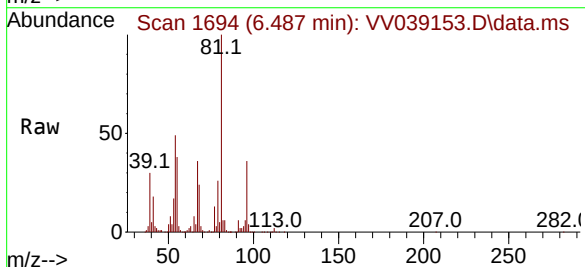
Delta R.T. 0.064 min

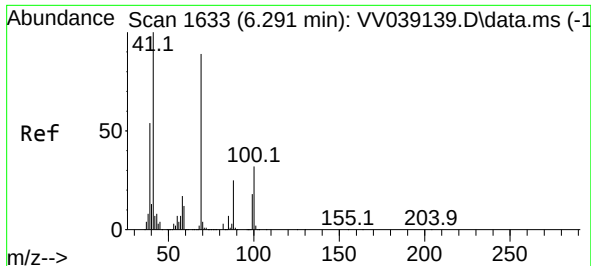
Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Tgt Ion: 83 Resp: 19995

Ion	Ratio	Lower	Upper
83	100		
85	0.1	49.7	74.5#
127	0.0	6.6	9.8#





#48

Methyl methacrylate

Concen: 32.967 ug/l

RT: 6.281 min Scan# 1

Delta R.T. -0.010 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

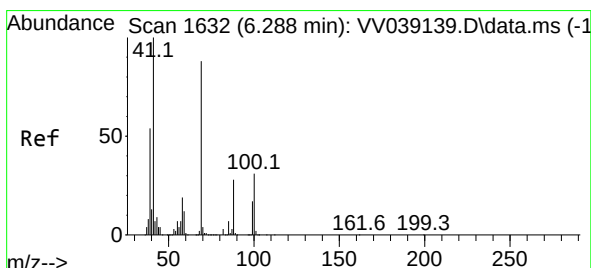
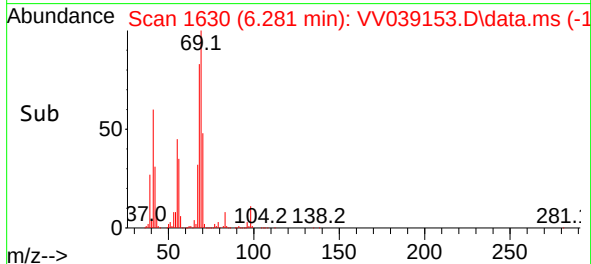
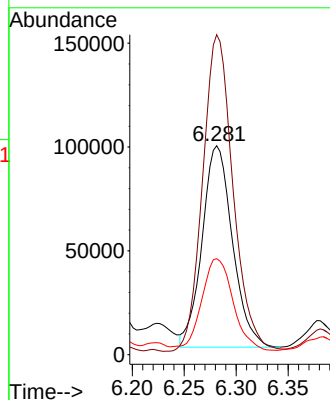
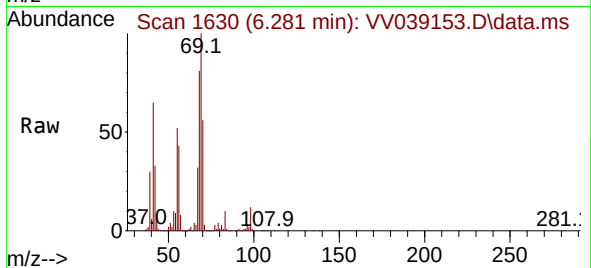
Tgt Ion: 41 Resp: 197070

Ion Ratio Lower Upper

41 100

69 157.1 72.4 108.6#

39 46.8 42.5 63.7



#49

1,4-Dioxane

Concen: 0.218 ug/l

RT: 6.284 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

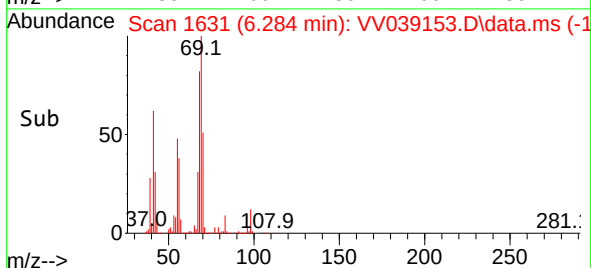
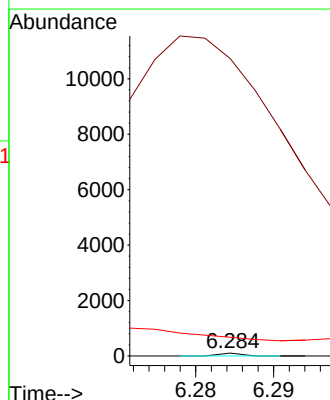
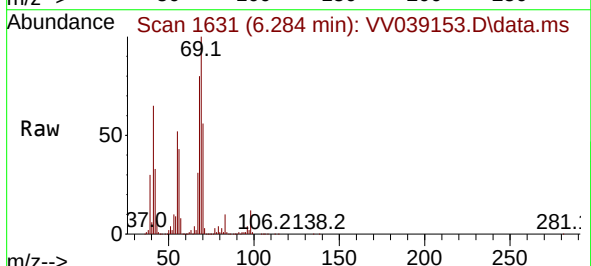
Tgt Ion: 88 Resp: 21

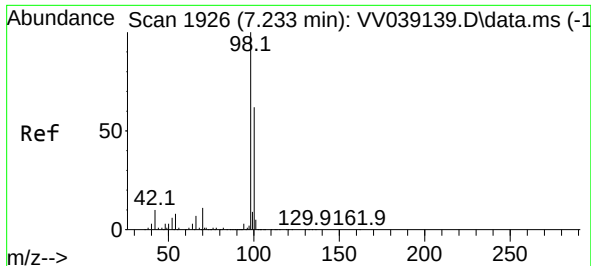
Ion Ratio Lower Upper

88 100

43 91961.9 25.1 37.7#

58 1695.2 53.6 80.4#

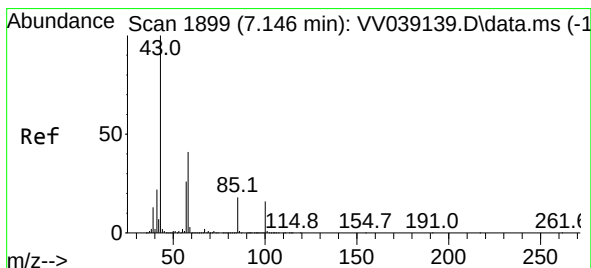
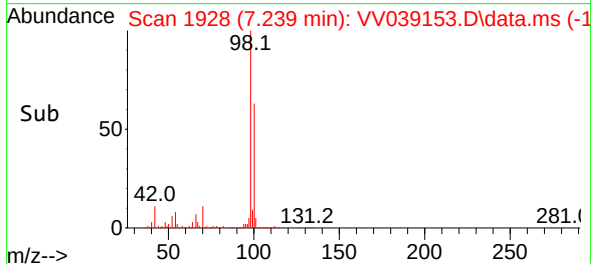
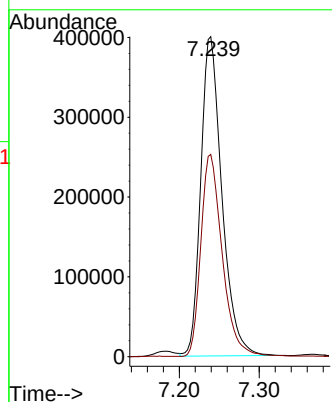
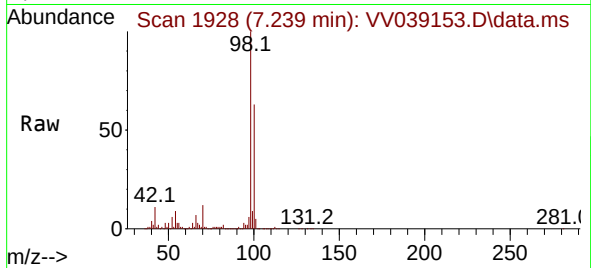




#50
Toluene-d8
Concen: 47.619 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

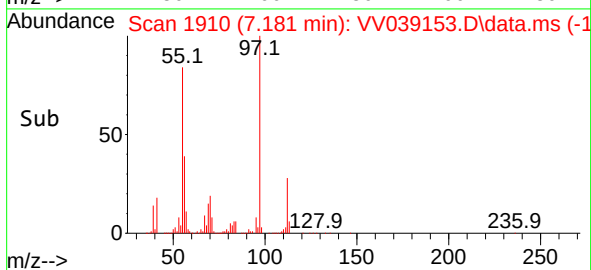
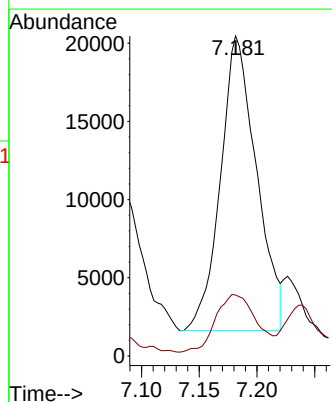
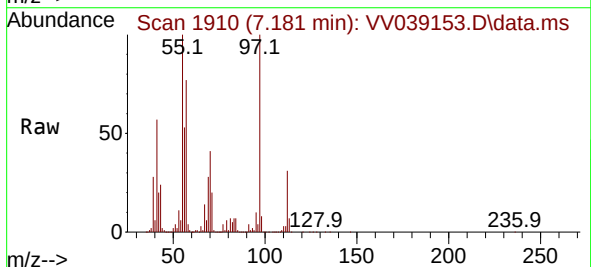
Instrument :
MSVOA_V
ClientSampleId :
MW2

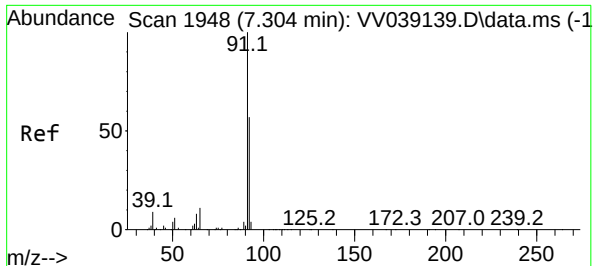
Tgt Ion: 98 Resp: 737311
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 4.721 ug/l
RT: 7.181 min Scan# 1910
Delta R.T. 0.035 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 43 Resp: 40960
Ion Ratio Lower Upper
43 100
58 21.8 32.3 48.5#

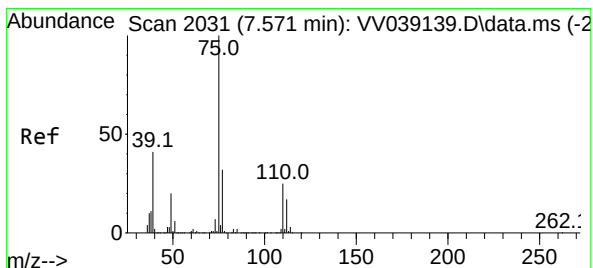
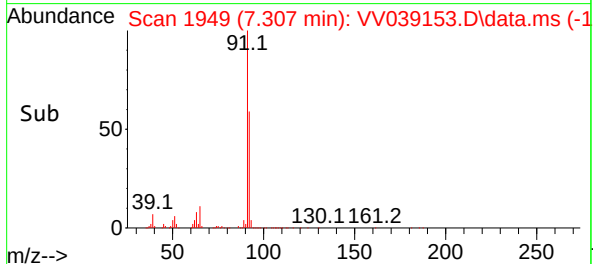
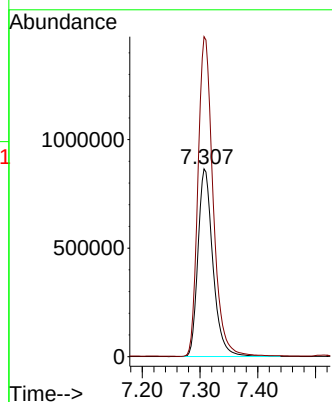
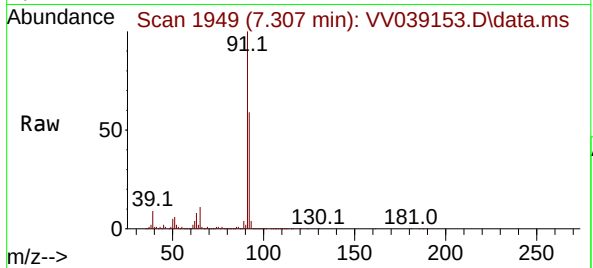




#52
Toluene
Concen: 103.275 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

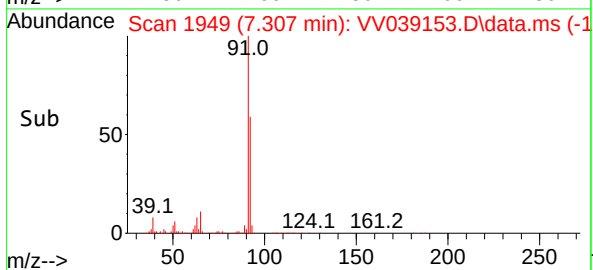
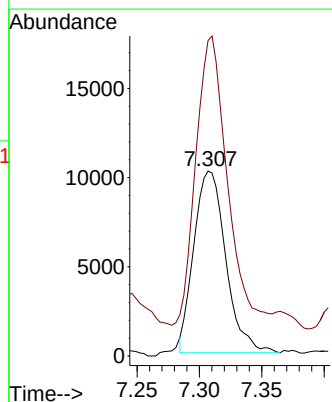
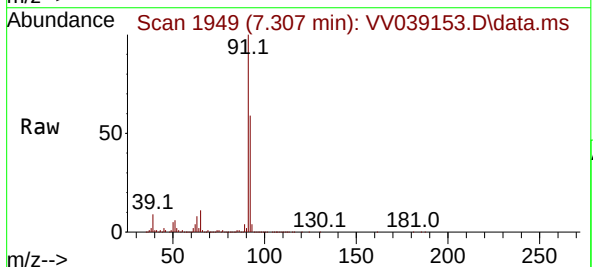
Instrument :
MSVOA_V
ClientSampleId :
MW2

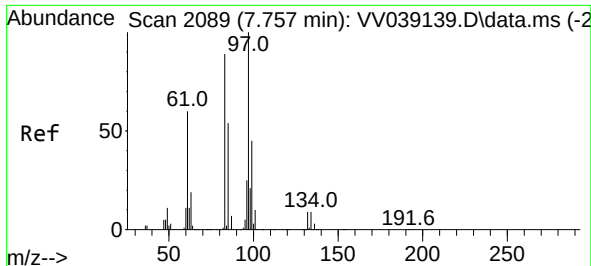
Tgt Ion: 92 Resp: 1554151
Ion Ratio Lower Upper
92 100
91 172.2 139.2 208.8



#53
t-1,3-Dichloropropene
Concen: 2.037 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. -0.264 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 75 Resp: 18125
Ion Ratio Lower Upper
75 100
77 151.0 25.9 38.9





#55

1,1,2-Trichloroethane

Concen: 18.265 ug/l

RT: 7.709 min Scan# 2089

Delta R.T. -0.048 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

Tgt Ion: 97 Resp: 123246

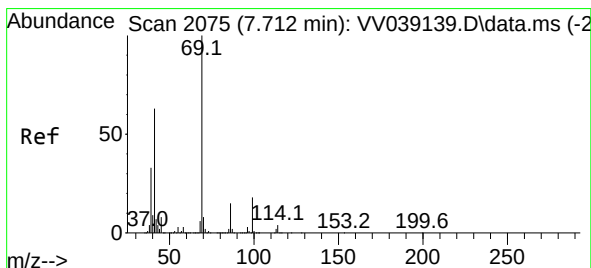
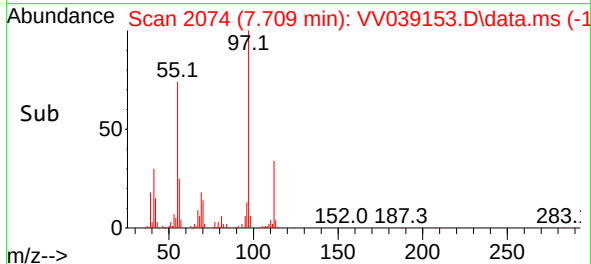
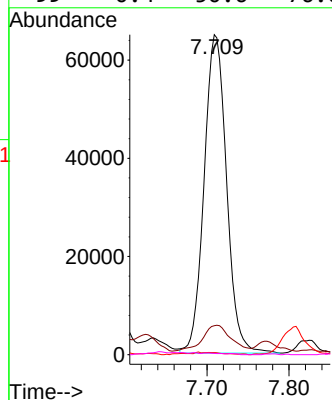
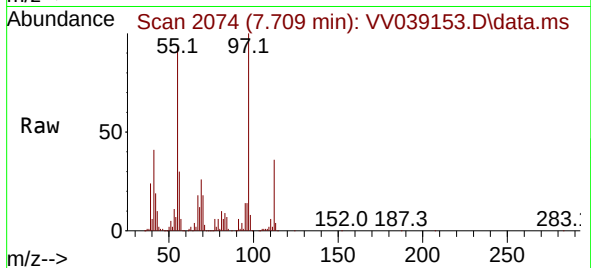
Ion Ratio Lower Upper

97 100

83 7.6 71.1 106.7#

85 0.3 44.6 67.0#

99 0.4 50.6 76.0#



#56

Ethyl methacrylate

Concen: 4.456 ug/l

RT: 7.709 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

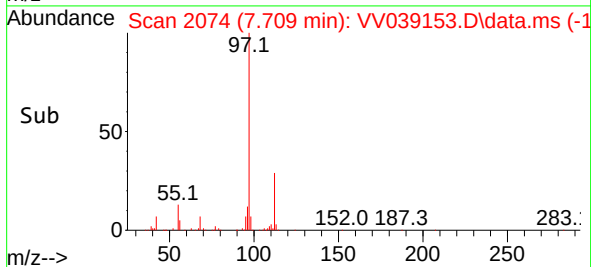
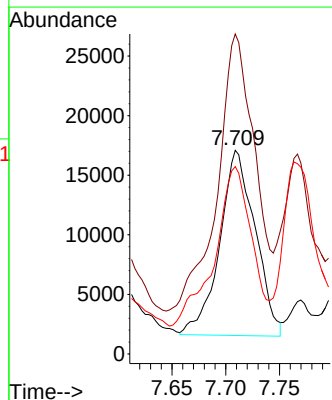
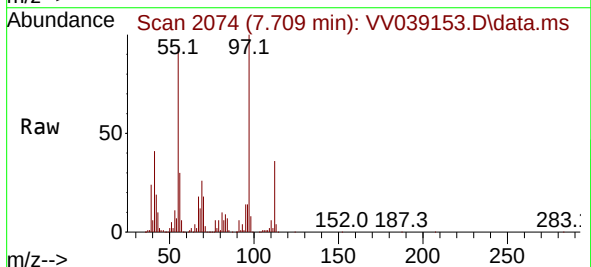
Tgt Ion: 69 Resp: 35706

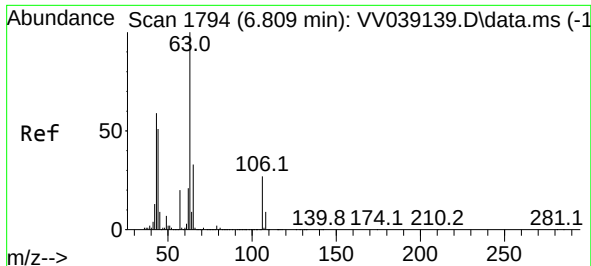
Ion Ratio Lower Upper

69 100

41 155.5 50.7 76.1#

39 90.2 26.0 39.0#





#58

2-Chloroethyl Vinyl ether

Concen: 11.613 ug/l

RT: 6.780 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

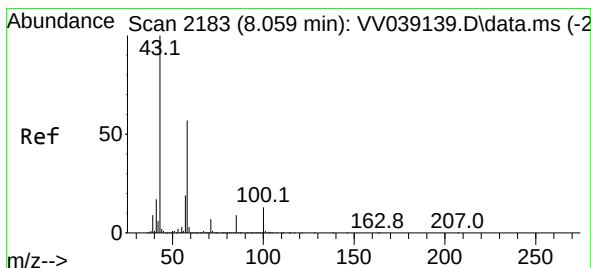
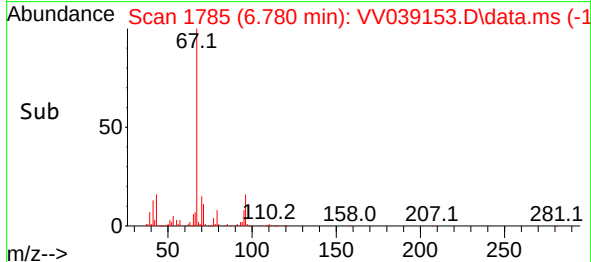
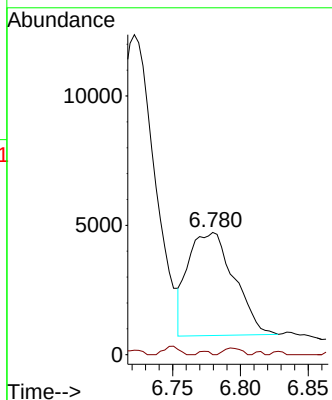
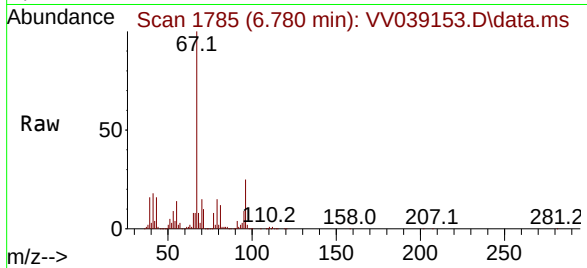
MW2

Tgt Ion: 63 Resp: 9367

Ion Ratio Lower Upper

63 100

106 0.8 22.1 33.1#



#59

2-Hexanone

Concen: 2.463 ug/l

RT: 7.972 min Scan# 2156

Delta R.T. -0.087 min

Lab File: VV039153.D

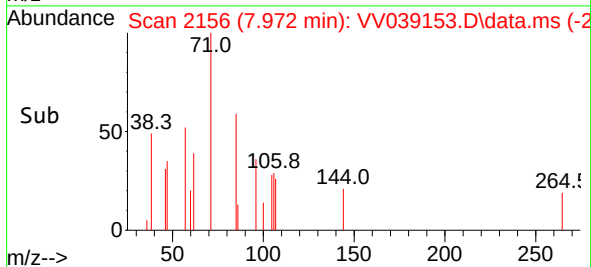
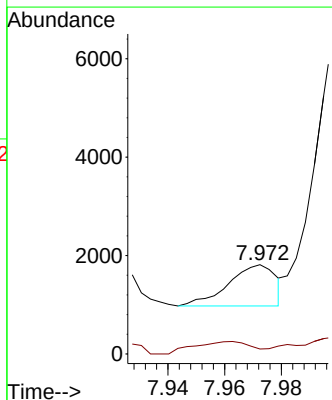
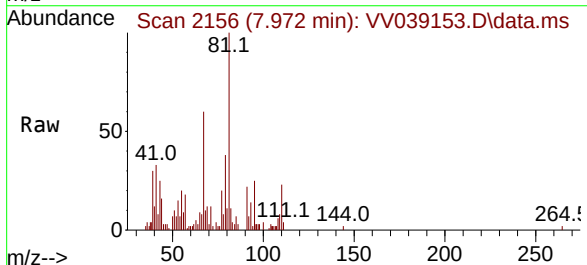
Acq: 24 Sep 2025 15:31

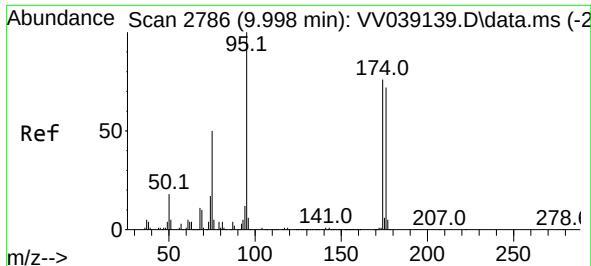
Tgt Ion: 43 Resp: 972

Ion Ratio Lower Upper

43 100

58 36.0 28.3 85.0

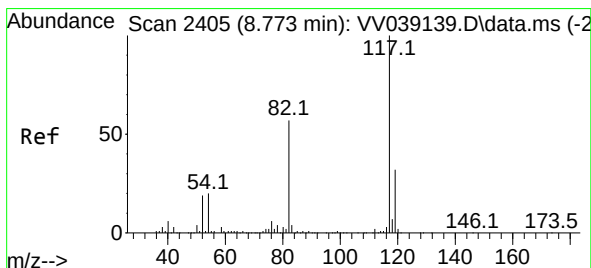
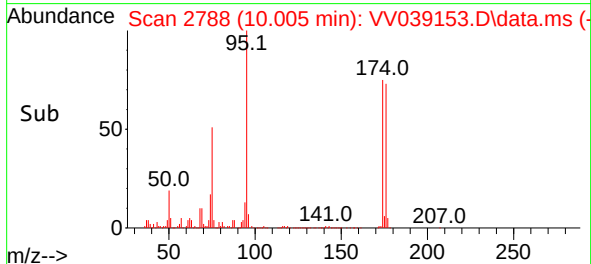
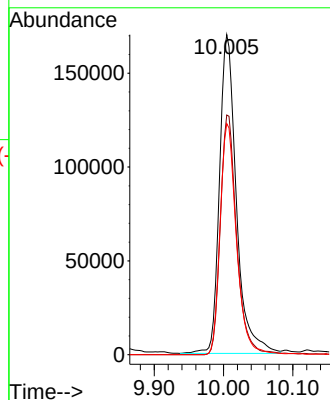
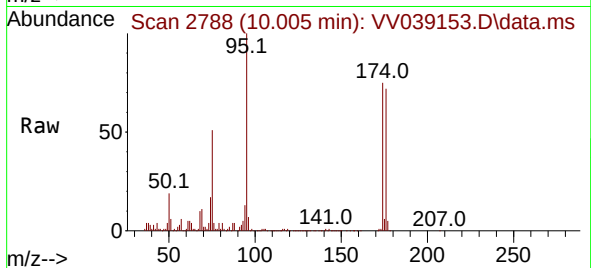




#62
4-Bromofluorobenzene
Concen: 45.224 ug/l
RT: 10.005 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

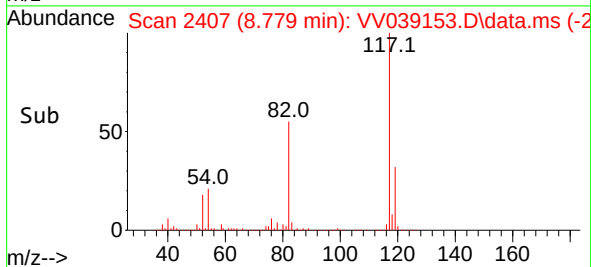
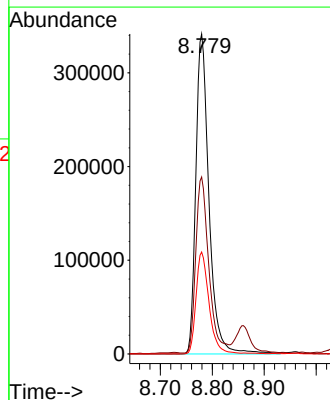
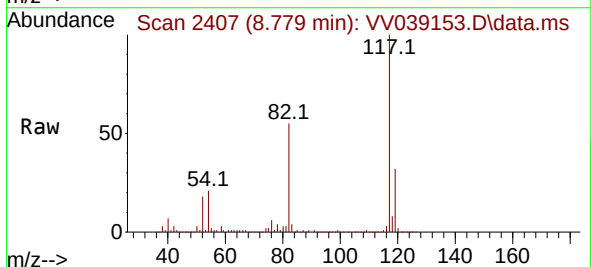
Instrument :
MSVOA_V
ClientSampleId :
MW2

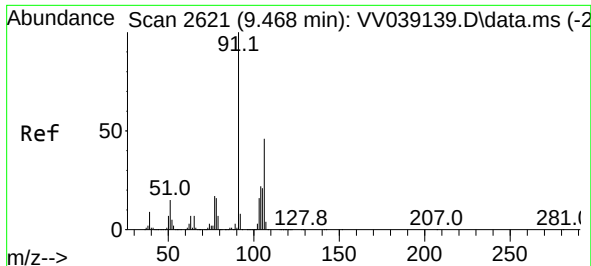
Tgt Ion: 95 Resp: 288262
Ion Ratio Lower Upper
95 100
174 72.3 0.0 150.4
176 70.2 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.779 min Scan# 2407
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 117 Resp: 600147
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.2
119 31.8 25.6 38.4

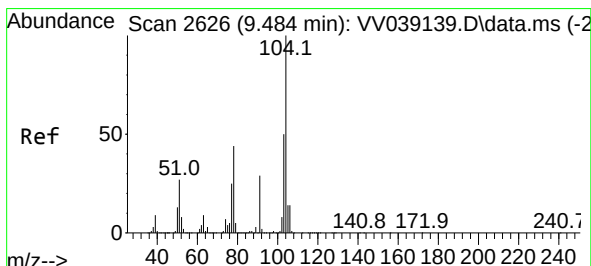
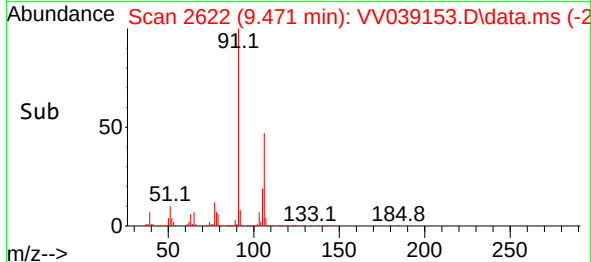
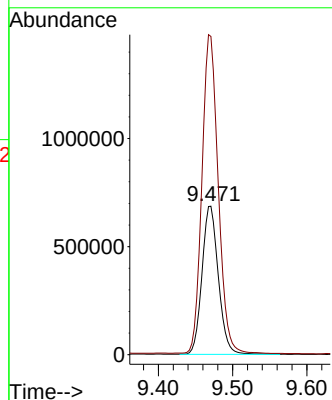
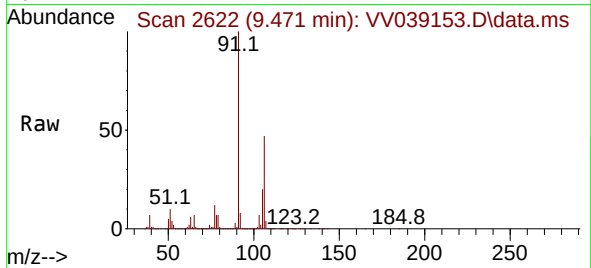




#69
o-Xylene
Concen: 120.719 ug/l
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

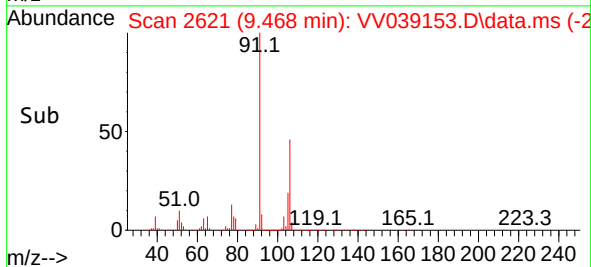
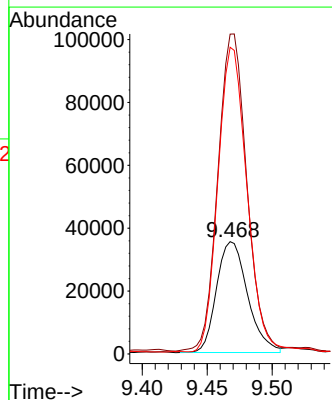
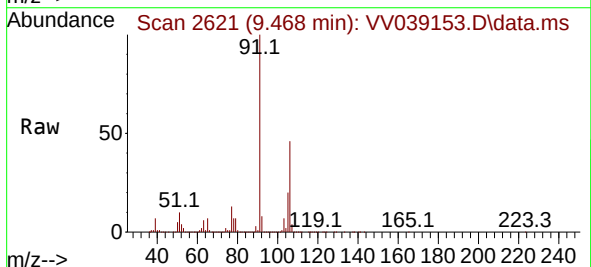
Instrument :
MSVOA_V
ClientSampleId :
MW2

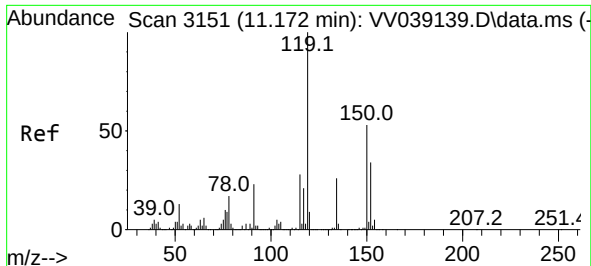
Tgt Ion:106 Resp: 1043936
Ion Ratio Lower Upper
106 100
91 215.9 109.1 327.3



#70
Styrene
Concen: 4.644 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. -0.016 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:104 Resp: 58674
Ion Ratio Lower Upper
104 100
78 266.8 39.8 59.6#
103 257.7 43.4 65.2#

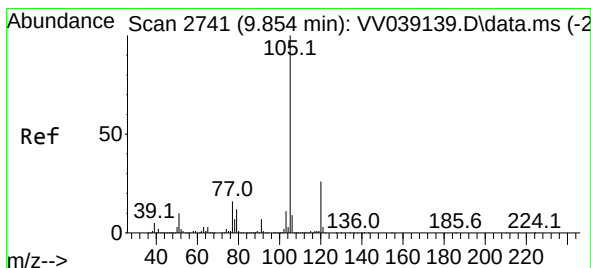
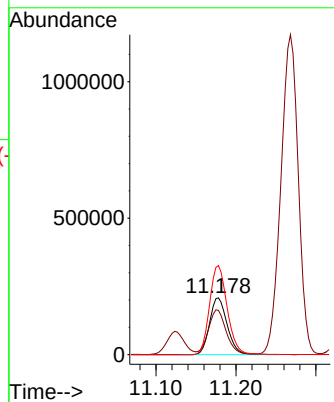
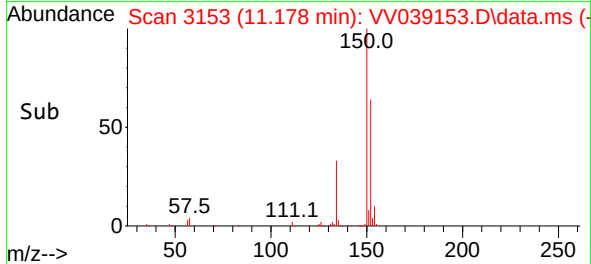
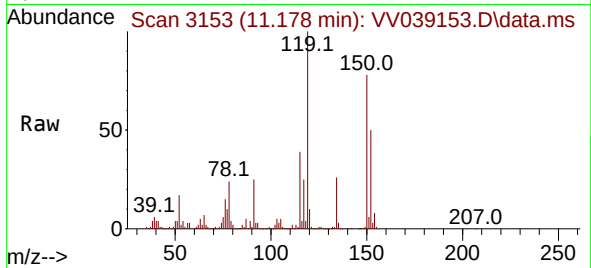




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.178 min Scan# 3151
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

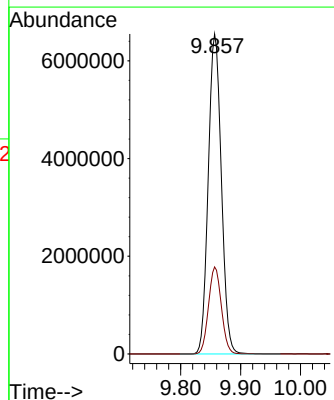
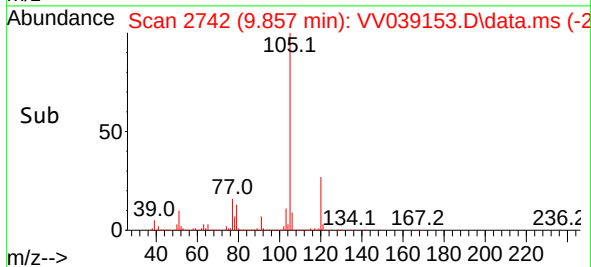
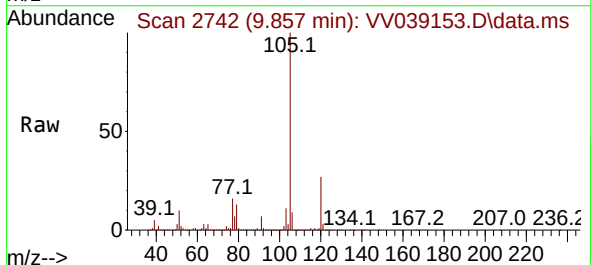
Instrument :
MSVOA_V
ClientSampleId :
MW2

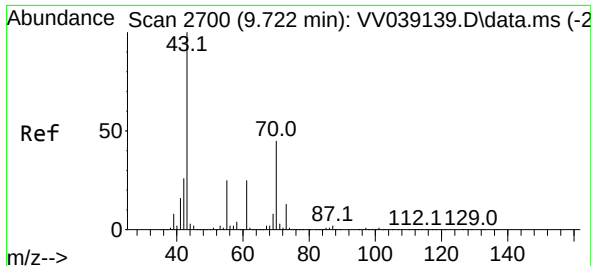
Tgt Ion:152 Resp: 318916
Ion Ratio Lower Upper
152 100
115 77.3 44.8 134.4
150 157.7 0.0 353.8



#73
Isopropylbenzene
Concen: 429.711 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:105 Resp: 9939721
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.1

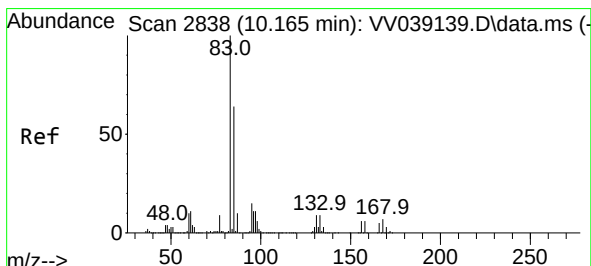
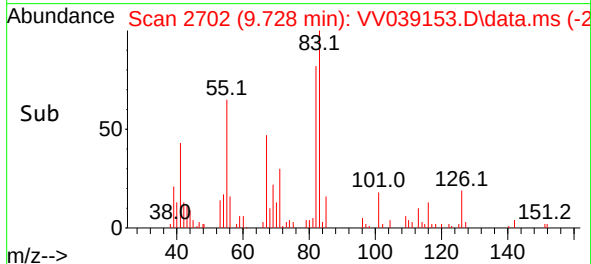
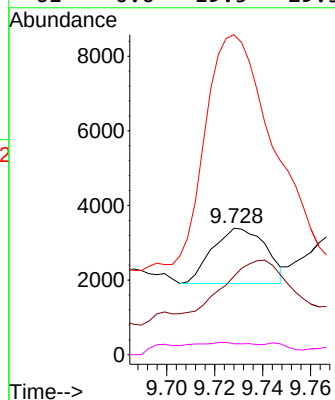
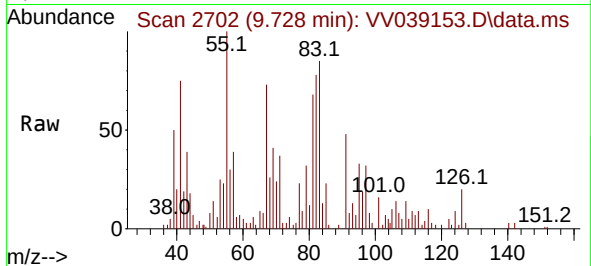




#74
N-amy1 acetate
Concen: 0.249 ug/l
RT: 9.728 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

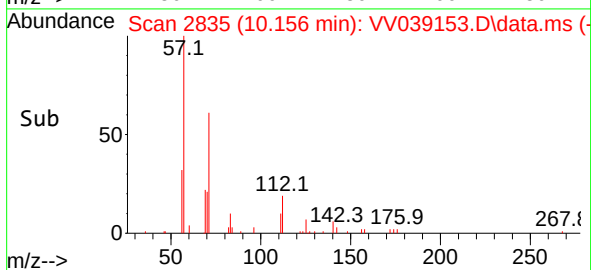
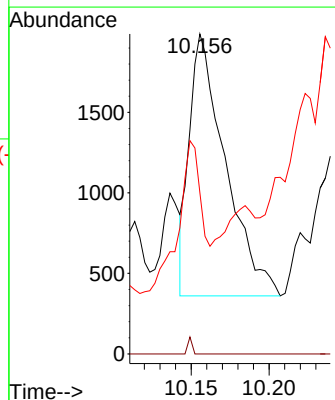
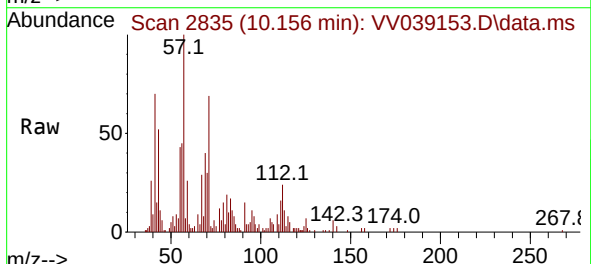
Instrument :
MSVOA_V
ClientSampleId :
MW2

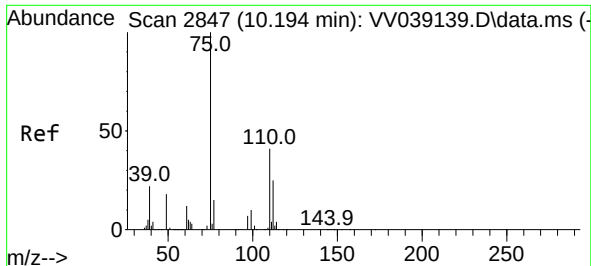
Tgt Ion:	43	Resp:	2296
Ion	Ratio	Lower	Upper
43	100		
70	106.7	35.4	53.0#
55	556.8	20.6	30.8#
61	0.0	19.5	29.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.258 ug/l
RT: 10.156 min Scan# 2835
Delta R.T. -0.010 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:	83	Resp:	2617
Ion	Ratio	Lower	Upper
83	100		
131	0.8	4.5	13.7#
85	0.0	31.9	95.9#

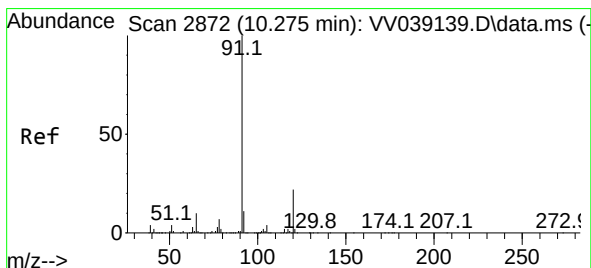
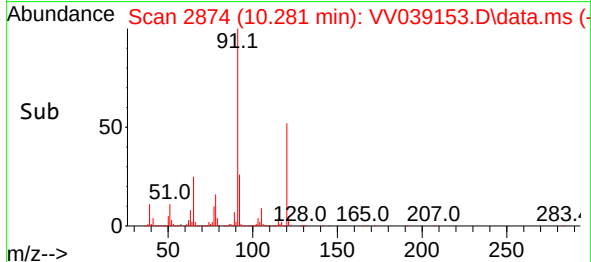
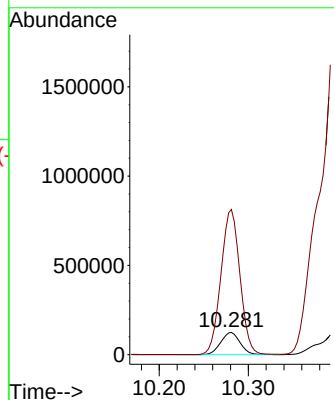
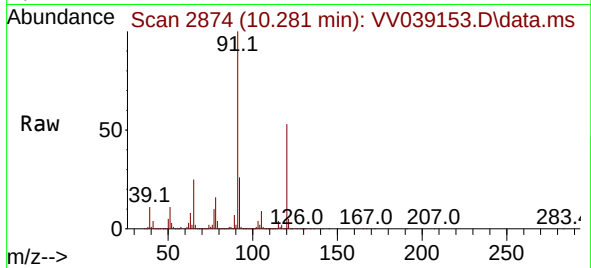




#76
1,2,3-Trichloropropane
Concen: 25.652 ug/l
RT: 10.281 min Scan# 2910
Delta R.T. 0.087 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

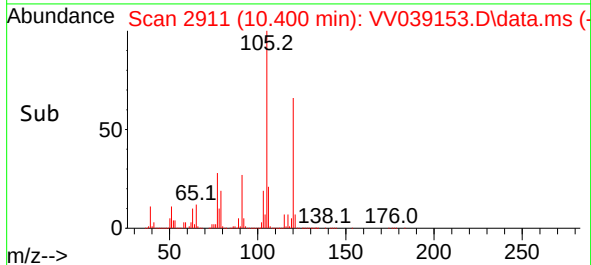
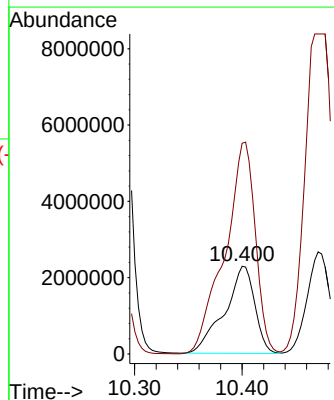
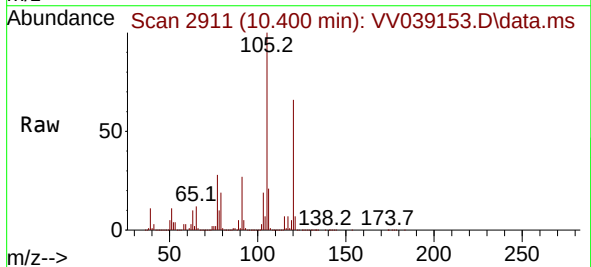
Instrument :
MSVOA_V
ClientSampleId :
MW2

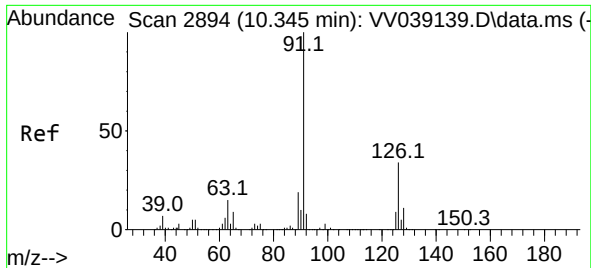
Tgt Ion: 75 Resp: 186265
Ion Ratio Lower Upper
75 100
77 645.9 11.3 33.8#



#78
n-propylbenzene
Concen: 157.923 ug/l
RT: 10.400 min Scan# 2911
Delta R.T. 0.125 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 91 Resp: 4448398
Ion Ratio Lower Upper
91 100
120 247.4 11.1 33.3#

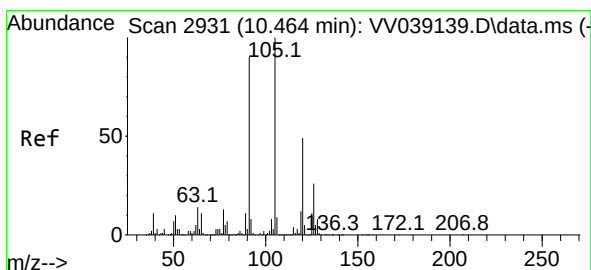
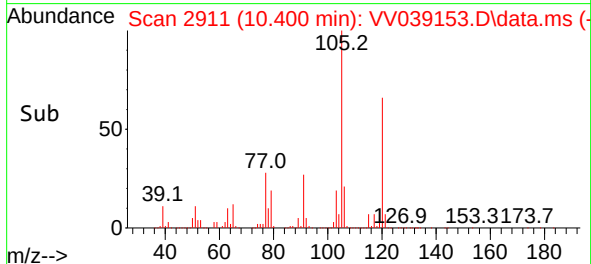
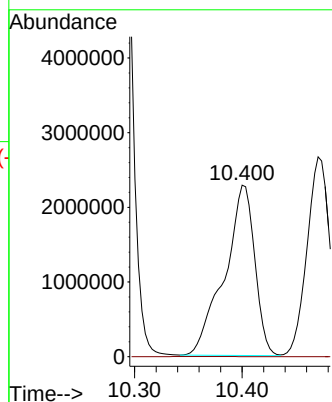
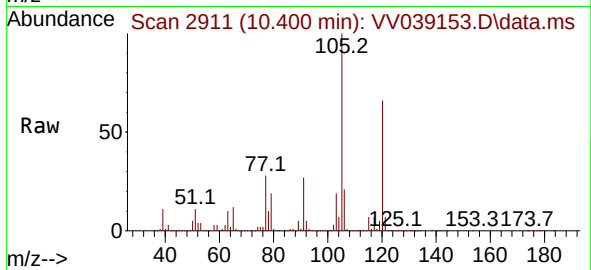




#79
2-Chlorotoluene
Concen: 263.922 ug/l
RT: 10.400 min Scan# 2911
Delta R.T. 0.054 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

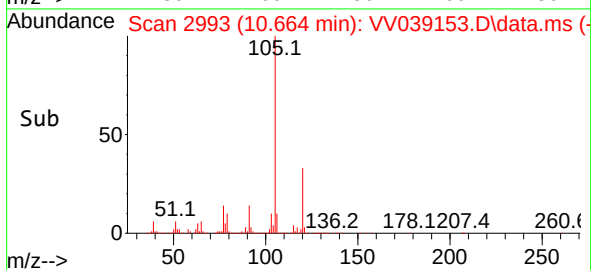
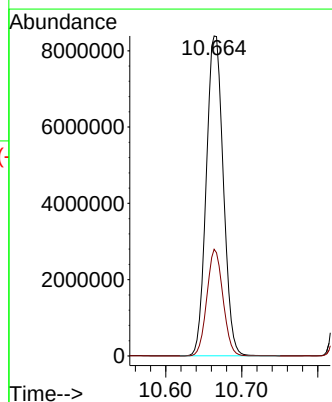
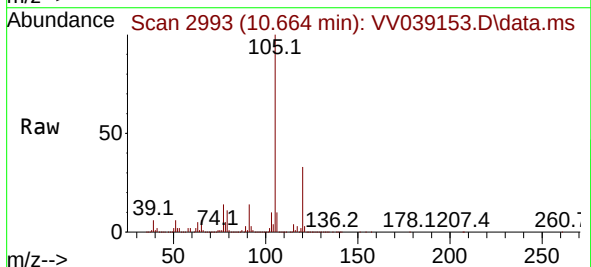
Instrument :
MSVOA_V
ClientSampleId :
MW2

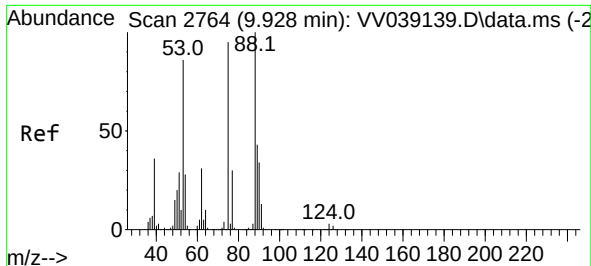
Tgt Ion: 91 Resp: 4448398
Ion Ratio Lower Upper
91 100
126 0.1 16.7 50.0#



#80
1,3,5-Trimethylbenzene
Concen: 676.797 ug/l
RT: 10.664 min Scan# 2993
Delta R.T. 0.199 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 105 Resp: 13012277
Ion Ratio Lower Upper
105 100
120 31.5 24.3 72.8

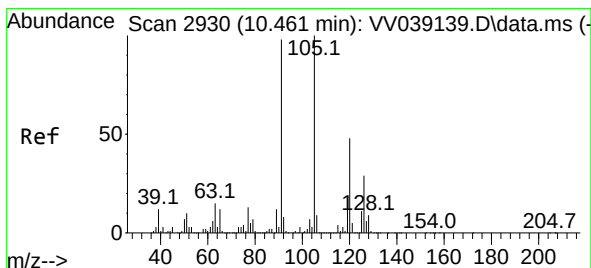
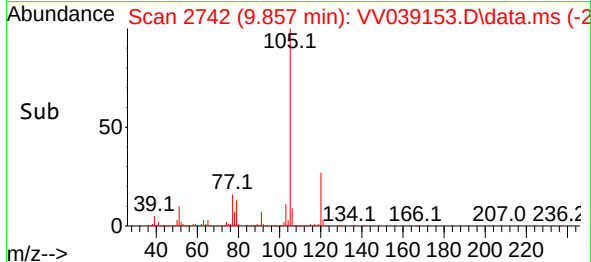
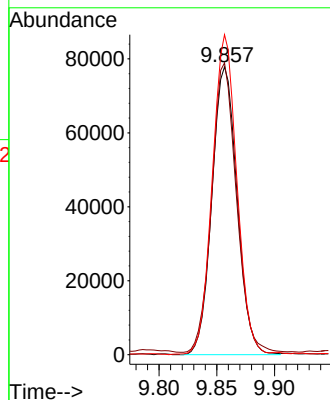
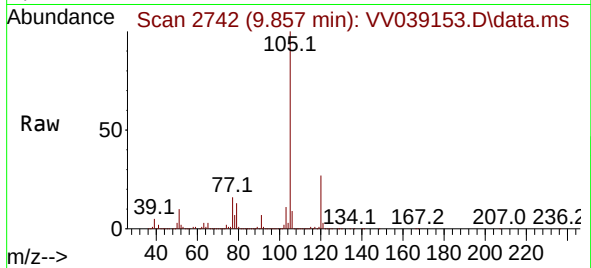




#81
trans-1,4-Dichloro-2-butene
Concen: 39.008 ug/l
RT: 9.857 min Scan# 211
Delta R.T. -0.071 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

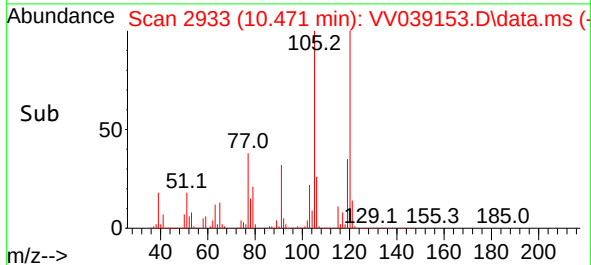
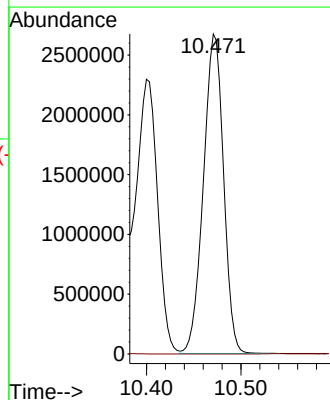
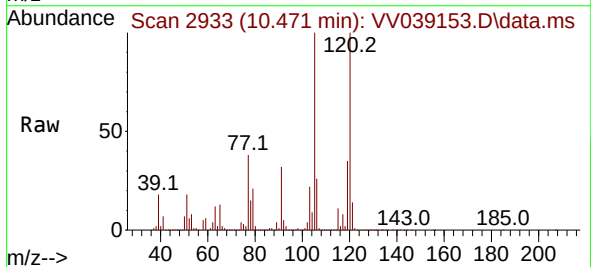
Instrument :
MSVOA_V
ClientSampleId :
MW2

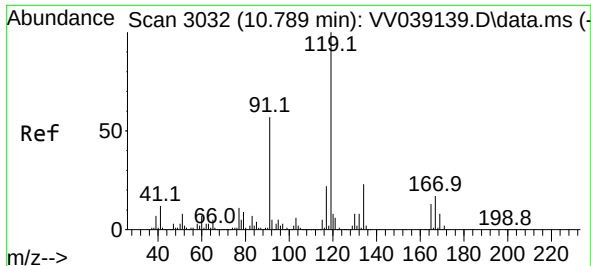
Tgt Ion: 75 Resp: 117984
Ion Ratio Lower Upper
75 100
53 98.3 72.5 108.7
89 108.4 37.2 55.8#



#82
4-Chlorotoluene
Concen: 202.239 ug/l
RT: 10.471 min Scan# 2933
Delta R.T. 0.009 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 91 Resp: 3952653
Ion Ratio Lower Upper
91 100
126 0.0 14.5 43.6#

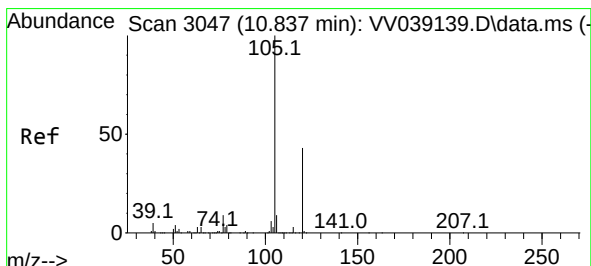
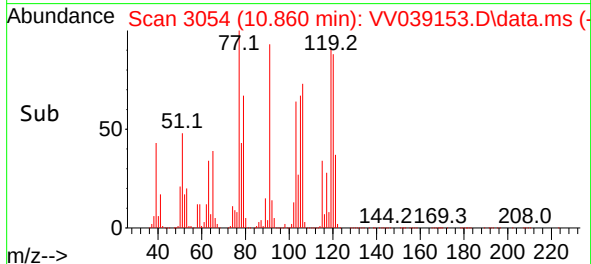
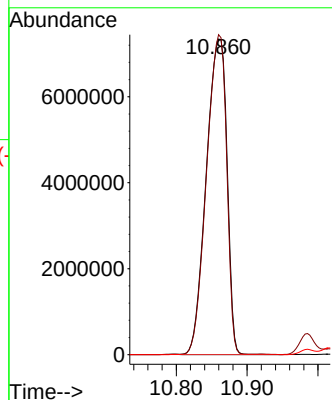
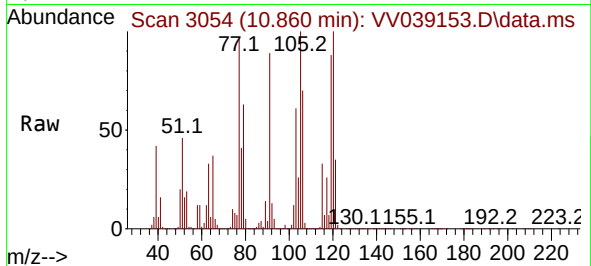




#83
tert-Butylbenzene
Concen: 779.816 ug/l
RT: 10.860 min Scan# 3032
Delta R.T. 0.071 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

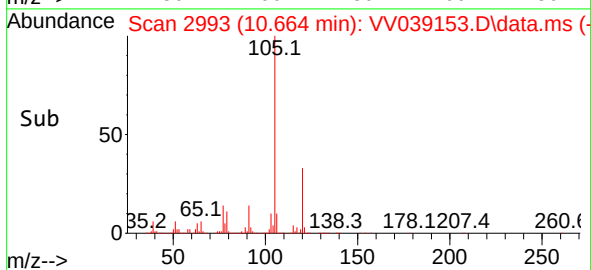
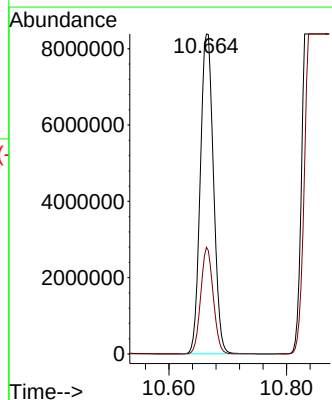
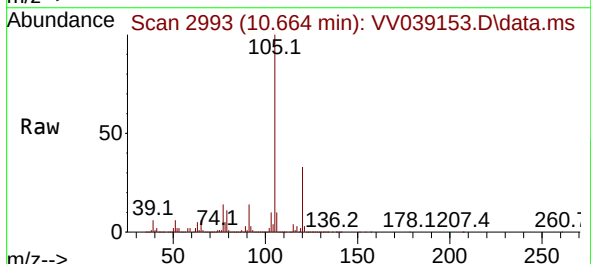
Instrument :
MSVOA_V
ClientSampleId :
MW2

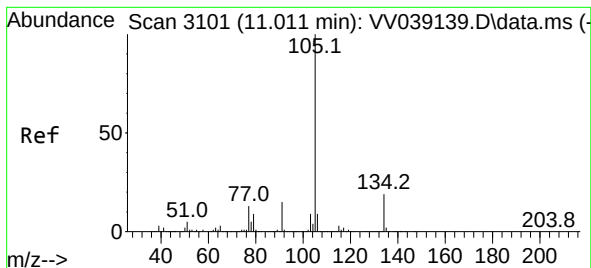
Tgt Ion:119 Resp:14950304
Ion Ratio Lower Upper
119 100
91 97.5 28.5 85.6#
134 0.0 11.5 34.4#



#84
1,2,4-Trimethylbenzene
Concen: 697.923 ug/l
RT: 10.664 min Scan# 2993
Delta R.T. -0.174 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:105 Resp:13027196
Ion Ratio Lower Upper
105 100
120 31.5 22.4 67.2





#85

sec-Butylbenzene

Concen: 48.943 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

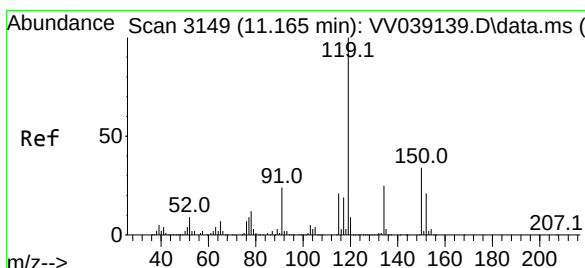
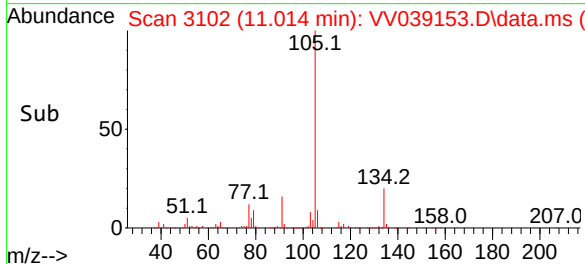
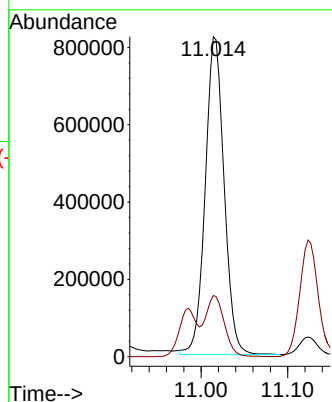
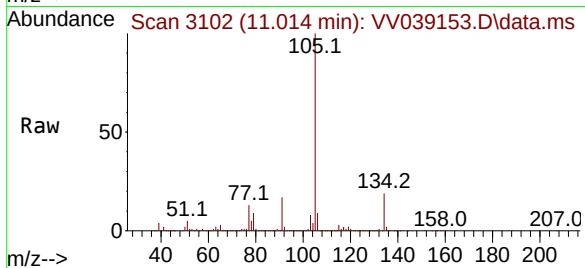
MW2

Tgt Ion:105 Resp: 1244555

Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.8



#86

p-Isopropyltoluene

Concen: 77.448 ug/l

RT: 11.123 min Scan# 3136

Delta R.T. -0.042 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

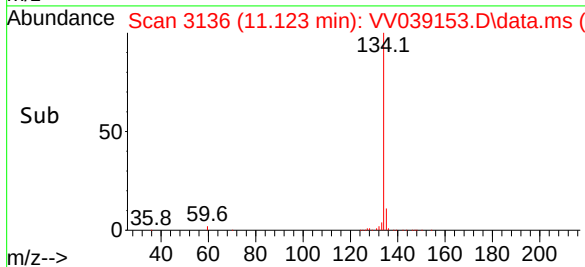
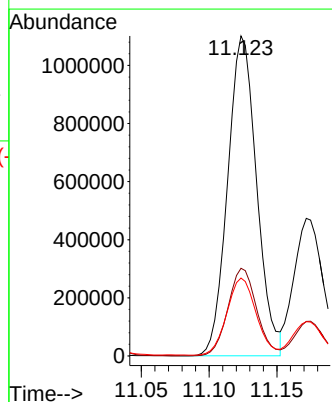
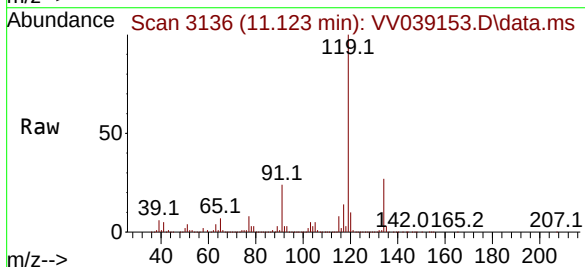
Tgt Ion:119 Resp: 1639149

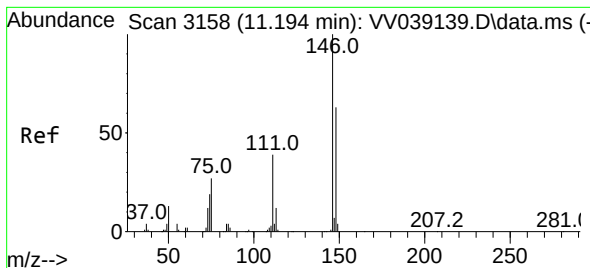
Ion Ratio Lower Upper

119 100

134 27.1 12.7 38.0

91 24.3 12.0 36.1





#88

1,4-Dichlorobenzene

Concen: 0.212 ug/l

RT: 11.201 min Scan# 3158

Delta R.T. 0.006 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

Instrument :

MSVOA_V

ClientSampleId :

MW2

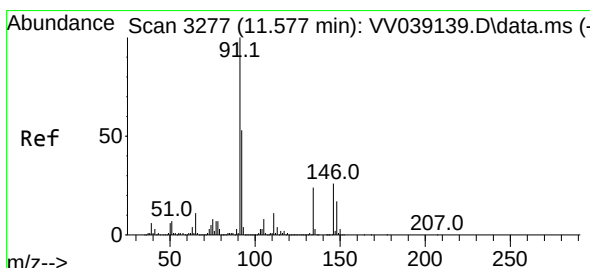
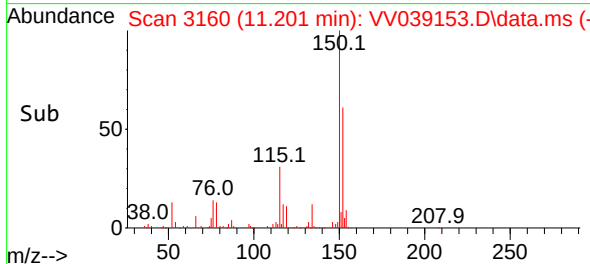
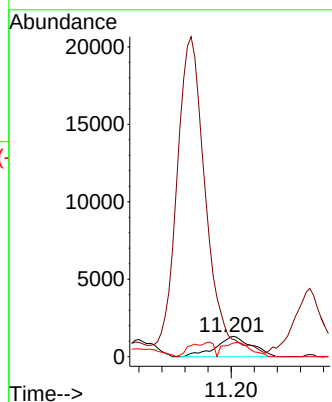
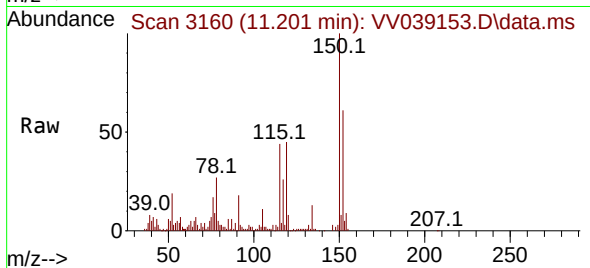
Tgt Ion:146 Resp: 2830

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.8#

148 52.0 31.4 94.2



#89

n-Butylbenzene

Concen: 184.023 ug/l

RT: 11.574 min Scan# 3276

Delta R.T. -0.003 min

Lab File: VV039153.D

Acq: 24 Sep 2025 15:31

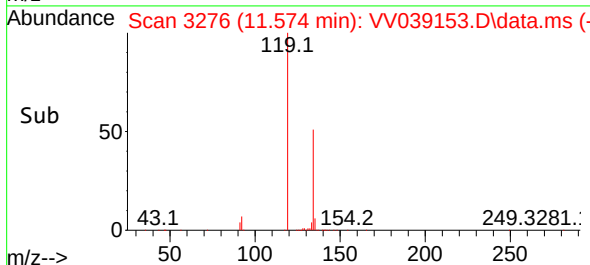
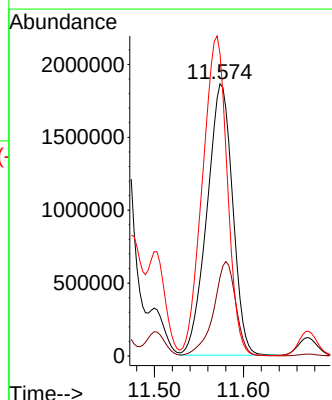
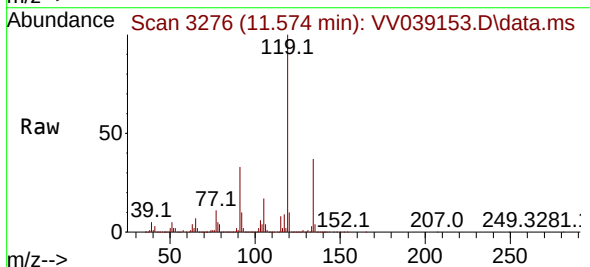
Tgt Ion: 91 Resp: 3719647

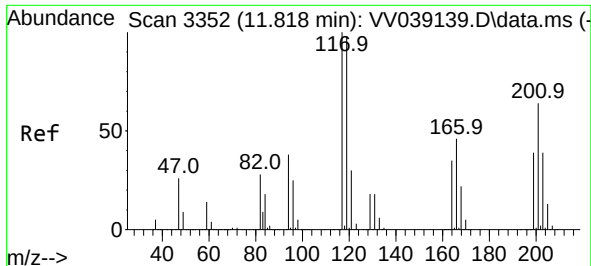
Ion Ratio Lower Upper

91 100

92 30.2 26.6 79.8

134 113.7 12.1 36.3#

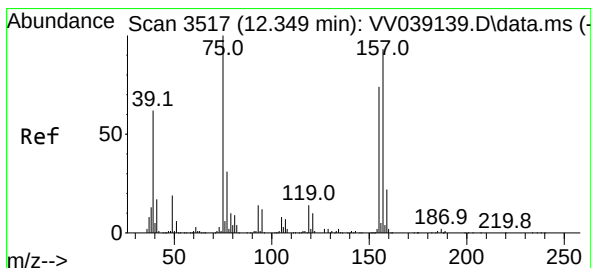
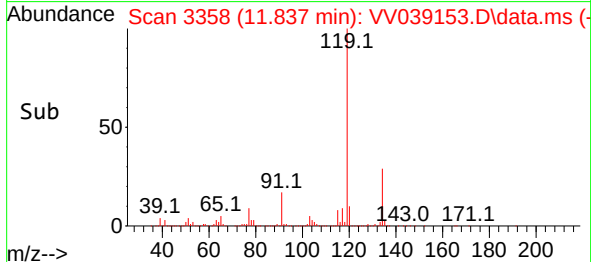
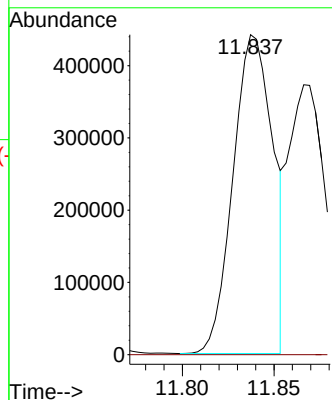
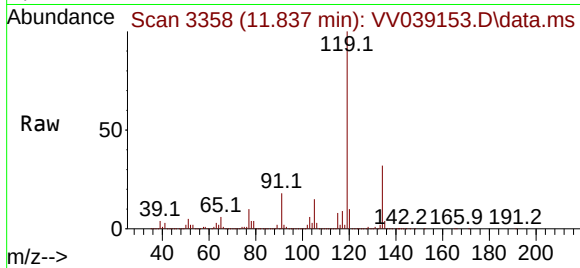




#90
Hexachloroethane
Concen: 127.869 ug/l
RT: 11.837 min Scan# 311
Delta R.T. 0.019 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

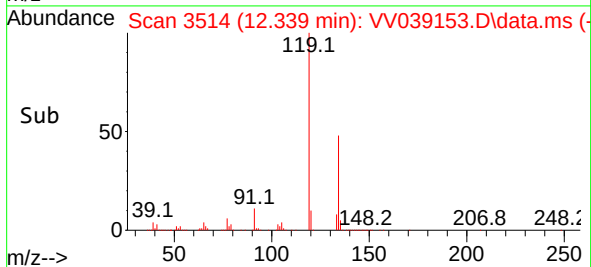
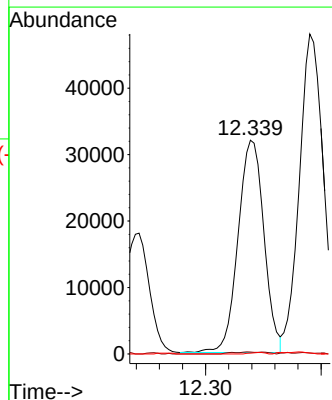
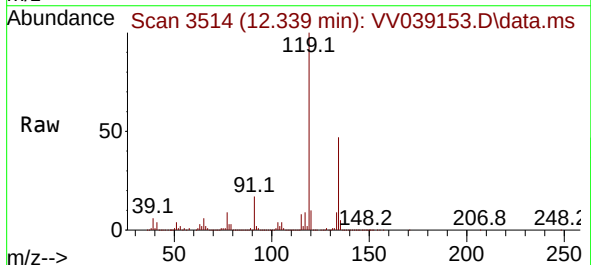
Instrument :
MSVOA_V
ClientSampleId :
MW2

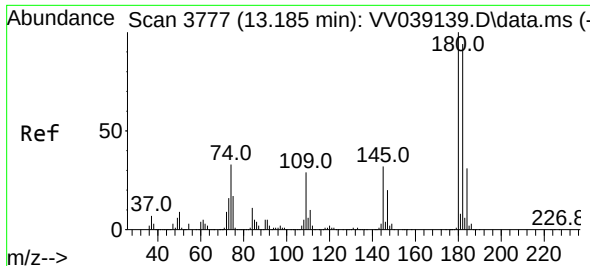
Tgt Ion:117 Resp: 666428
Ion Ratio Lower Upper
117 100
201 0.0 32.3 96.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 27.649 ug/l
RT: 12.339 min Scan# 3514
Delta R.T. -0.010 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion: 75 Resp: 49733
Ion Ratio Lower Upper
75 100
155 0.2 38.6 115.8#
157 0.4 49.5 148.3#

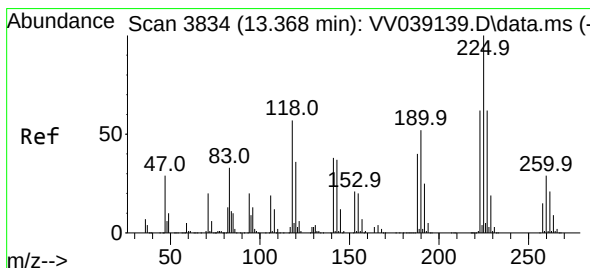
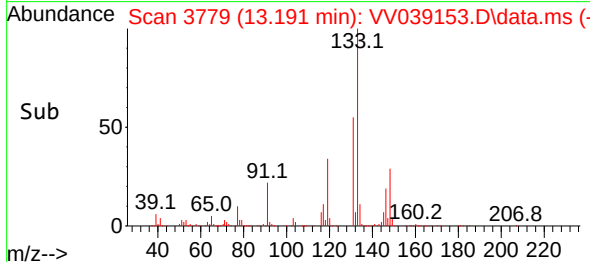
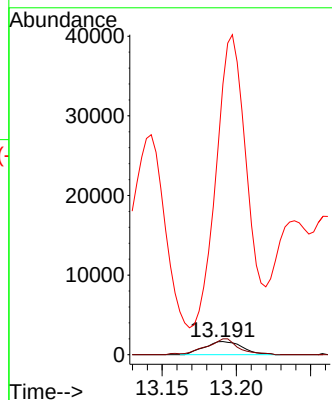
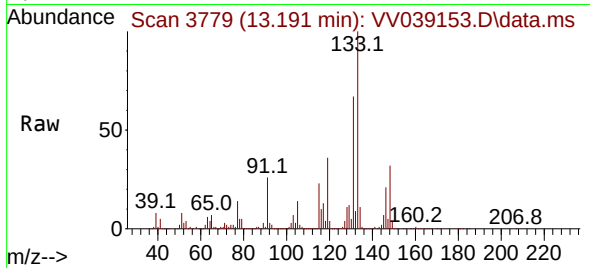




#93
1,2,4-Trichlorobenzene
Concen: 0.451 ug/l
RT: 13.191 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

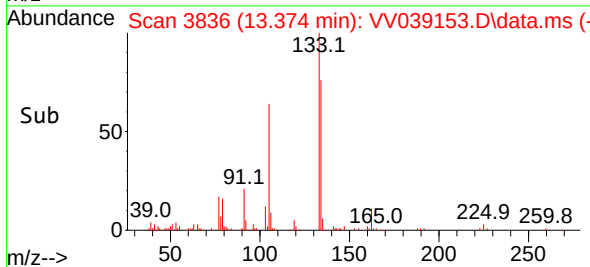
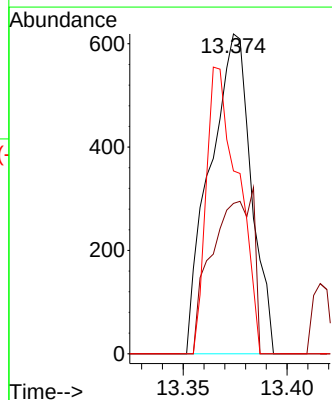
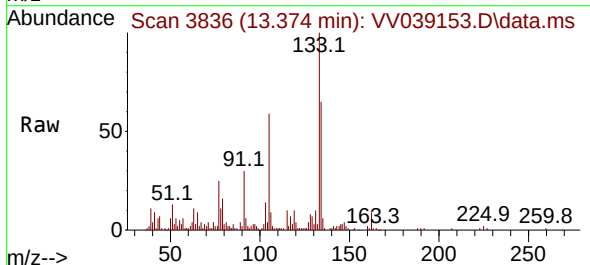
Instrument :
MSVOA_V
ClientSampleId :
MW2

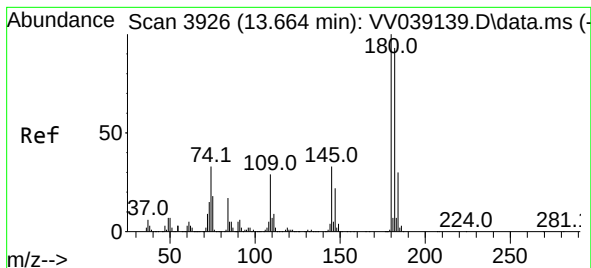
Tgt Ion:180 Resp: 2935
Ion Ratio Lower Upper
180 100
182 102.7 47.1 141.4
145 1776.1 16.3 48.8#



#94
Hexachlorobutadiene
Concen: 0.253 ug/l
RT: 13.374 min Scan# 3836
Delta R.T. 0.006 min
Lab File: VV039153.D
Acq: 24 Sep 2025 15:31

Tgt Ion:225 Resp: 854
Ion Ratio Lower Upper
225 100
223 50.0 31.6 94.7
227 69.3 31.8 95.4





#96
 1,2,3-Trichlorobenzene
 Concen: 0.305 ug/l
 RT: 13.673 min Scan# 3929
 Delta R.T. 0.009 min
 Lab File: VV039153.D
 Acq: 24 Sep 2025 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 MW2

Tgt Ion:180 Resp: 2027
 Ion Ratio Lower Upper
 180 100
 182 106.8 46.9 140.8
 145 0.0 17.0 51.0#

