

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031841.D
 Acq On : 14 Jul 2025 11:38
 Operator : SY/MD
 Sample : Q2503-04
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

Quant Time: Jul 15 02:41:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	198013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	378189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	323667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	116915	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125286	44.088	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	88.180%
35) Dibromofluoromethane	7.904	113	117378	47.563	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.120%
50) Toluene-d8	10.331	98	472486	51.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	102.900%
62) 4-Bromofluorobenzene	12.617	95	134818	39.891	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	79.780%

Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	842	4.783	ug/l #	69
13) Acrolein	4.149	56	20959	66.237	ug/l #	80
15) Acrylonitrile	5.478	53	94666	130.541	ug/l #	40
16) Acetone	4.161	43	149166	212.371	ug/l #	86
17) Carbon Disulfide	4.429	76	29177	4.621	ug/l	97
25) 2-Butanone	7.197	43	67189	73.529	ug/l #	83
26) 2,2-Dichloropropane	7.014	77	39324	14.724	ug/l #	52
30) Chloroform	7.648	83	53023	10.901	ug/l #	19
31) Cyclohexane	7.978	56	3012131	744.435	ug/l	94
36) 1,1-Dichloropropene	7.959	75	21703	6.077	ug/l #	1
37) Ethyl Acetate	7.197	43	67189	29.826	ug/l #	68
38) Carbon Tetrachloride	7.965	117	23707	6.515	ug/l #	16
39) Methylcyclohexane	9.349	83	7057937	1588.537	ug/l	96
41) Methacrylonitrile	7.539	41	8713	7.220	ug/l #	47
42) 1,2-Dichloroethane	8.447	62	10228	2.865	ug/l #	1
43) Isopropyl Acetate	8.441	43	313112	80.632	ug/l #	54
45) 1,2-Dichloropropane	9.343	63	71529	28.012	ug/l #	1
47) Bromodichloromethane	9.526	83	77750	20.112	ug/l #	25
48) Methyl methacrylate	9.526	41	527290	276.155	ug/l #	53
49) 1,4-Dioxane	9.343	88	176	9.115	ug/l #	1
51) 4-Methyl-2-Pentanone	10.245	43	7298	3.269	ug/l #	55
52) Toluene	10.392	92	58077	8.585	ug/l	100
55) 1,1,2-Trichloroethane	10.764	97	255113	118.136	ug/l #	21
56) Ethyl methacrylate	10.666	69	112435	38.377	ug/l #	21
58) 2-Chloroethyl Vinyl ether	9.916	63	4856	3.010	ug/l #	45
59) 2-Hexanone	11.001	43	2064	1.364	ug/l #	40
67) Ethyl Benzene	11.733	91	153523	12.398	ug/l	95
68) m/p-Xylenes	11.843	106	624353	131.159	ug/l	98
69) o-Xylene	12.166	106	105452	23.926	ug/l	95
73) Isopropylbenzene	12.464	105	521961	58.692	ug/l	99
76) 1,2,3-Trichloropropane	12.800	75	6268	4.149	ug/l #	1
77) Bromobenzene	12.818	156	11867	5.983	ug/l #	29
78) n-propylbenzene	12.800	91	978725	91.904	ug/l	97
79) 2-Chlorotoluene	12.897	91	81447	12.701	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.940	105	903463	122.731	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	6414	9.888	ug/l #	65

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QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

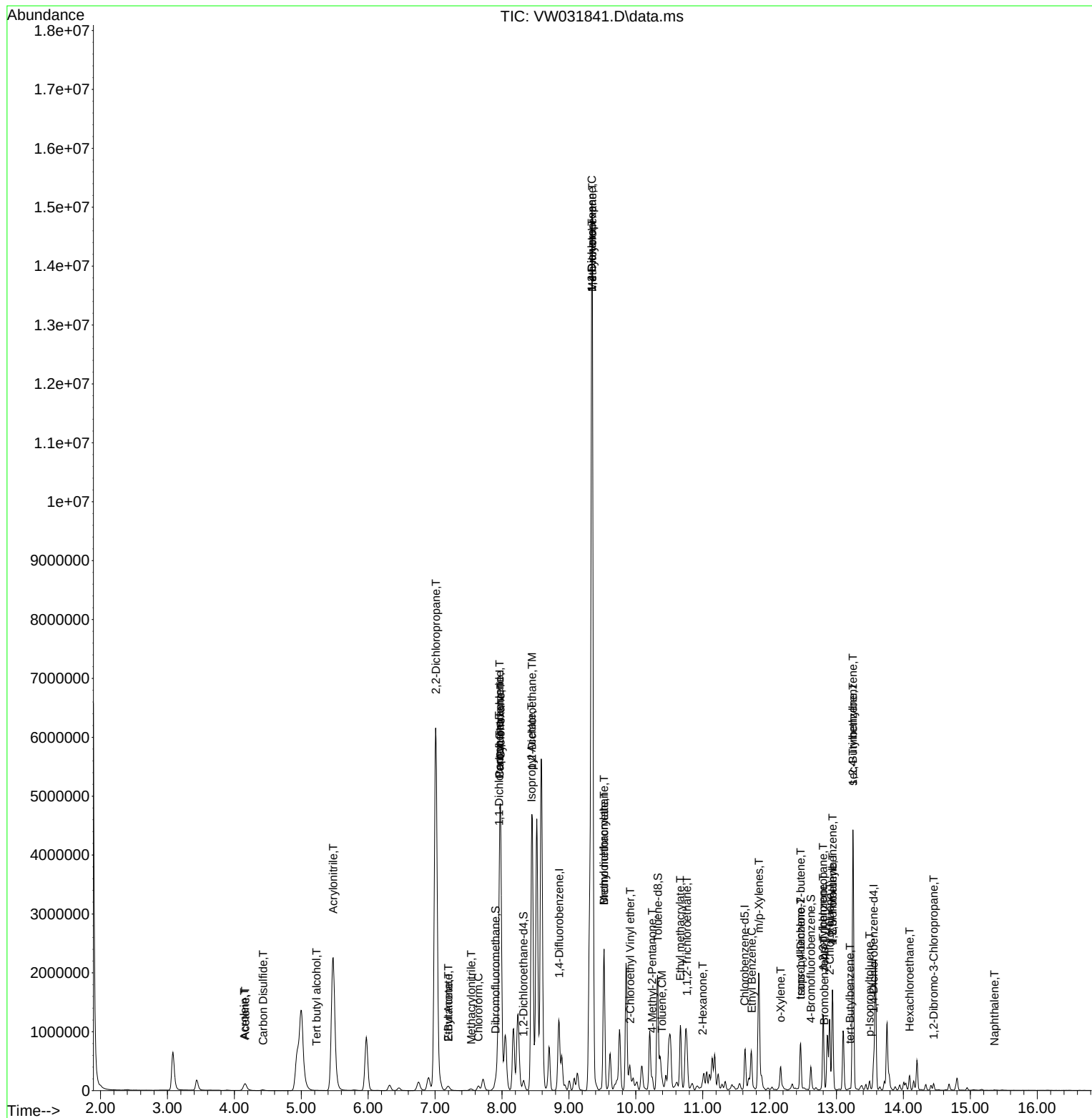
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.940	91	98741	14.666	ug/l #	43
83) tert-Butylbenzene	13.202	119	12216	1.937	ug/l	92
84) 1,2,4-Trimethylbenzene	13.245	105	2453174	328.905	ug/l	98
85) sec-Butylbenzene	13.245	105	2453174	259.194	ug/l #	58
86) p-Isopropyltoluene	13.495	119	80598	10.333	ug/l	99
90) Hexachloroethane	14.092	117	12808	9.102	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.452	75	622	1.613	ug/l #	13
95) Naphthalene	15.360	128	7035	1.280	ug/l #	93

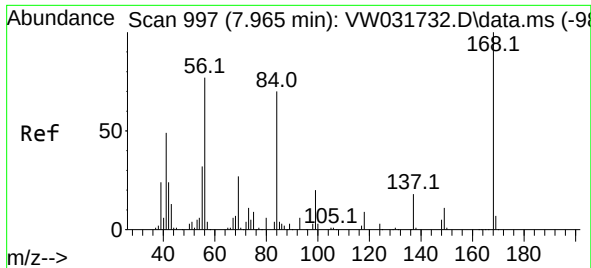
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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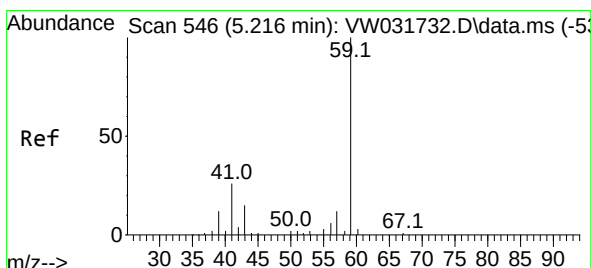
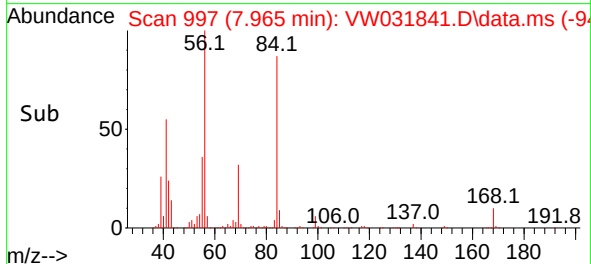
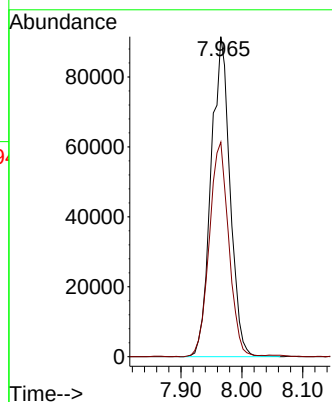
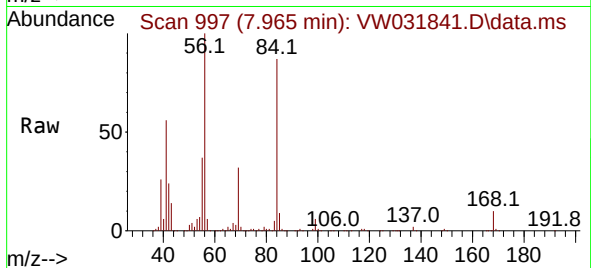




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

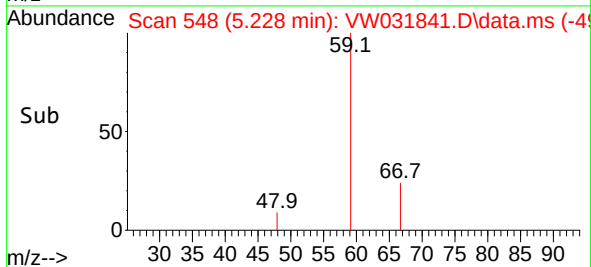
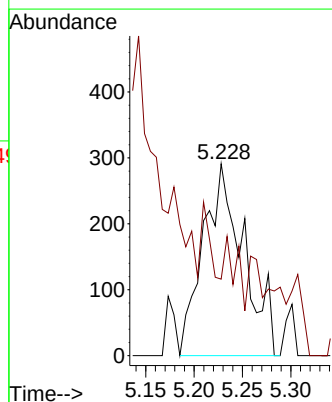
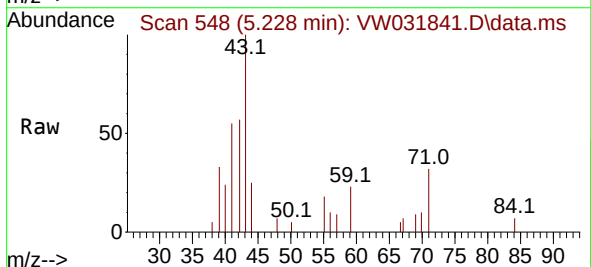
Instrument :
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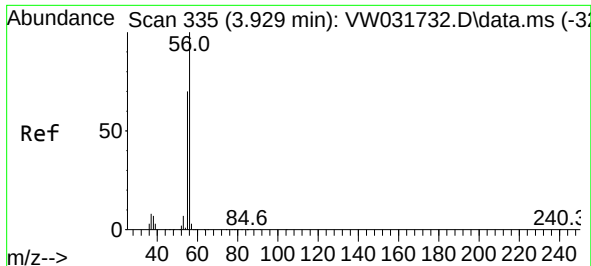
Tgt Ion:168 Resp: 198013
Ion Ratio Lower Upper
168 100
99 67.0 49.4 74.2



#11
Tert butyl alcohol
Concen: 4.783 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 59 Resp: 842
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#

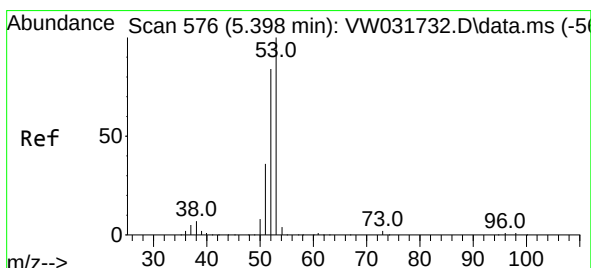
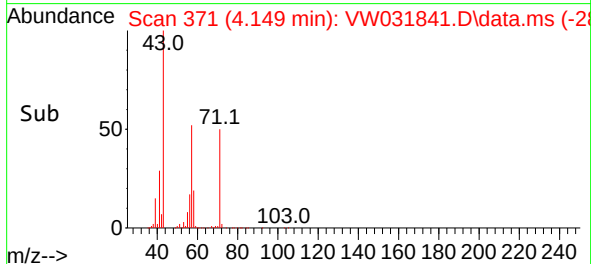
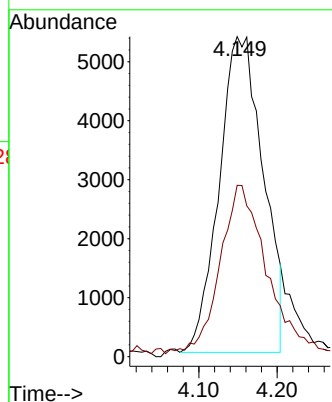
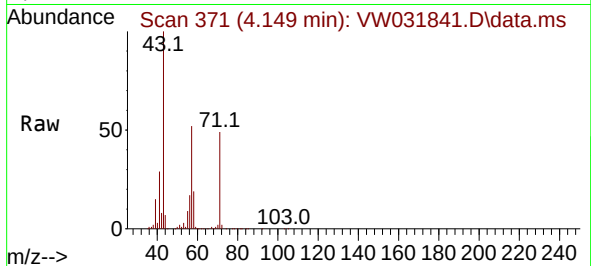




#13
Acrolein
Concen: 66.237 ug/l
RT: 4.149 min Scan# 31
Delta R.T. 0.220 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

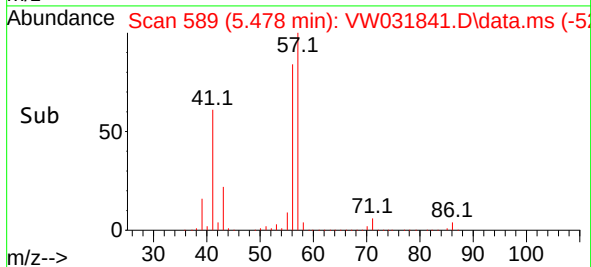
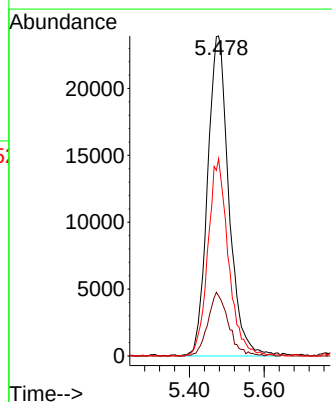
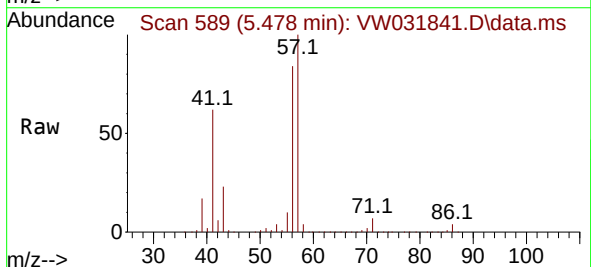
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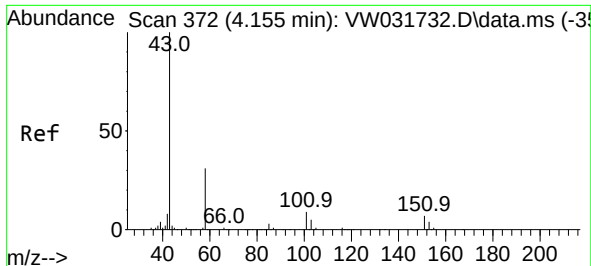
Tgt Ion: 56 Resp: 20959
Ion Ratio Lower Upper
56 100
55 51.8 54.0 81.0#



#15
Acrylonitrile
Concen: 130.541 ug/l
RT: 5.478 min Scan# 589
Delta R.T. 0.080 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 53 Resp: 94666
Ion Ratio Lower Upper
53 100
52 19.2 66.4 99.6#
51 59.3 29.9 44.9#

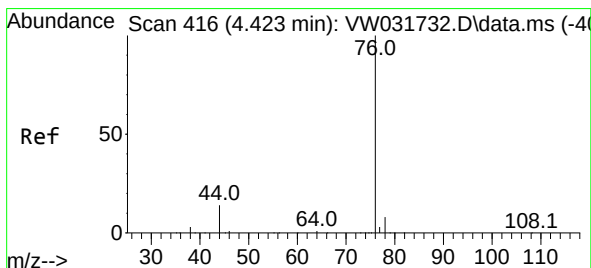
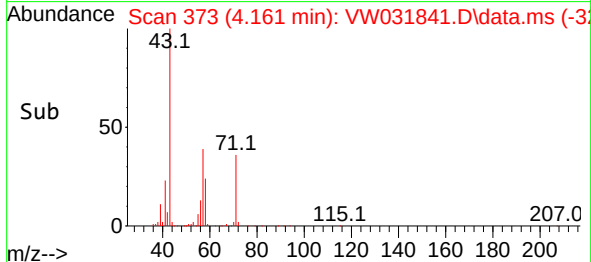
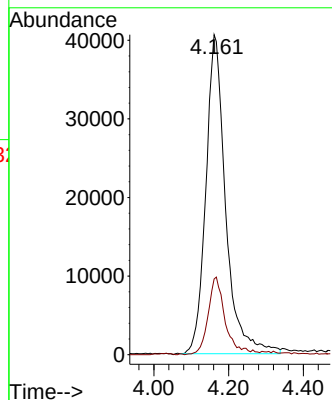
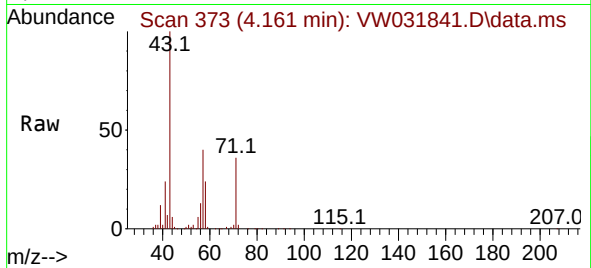




#16
Acetone
Concen: 212.371 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

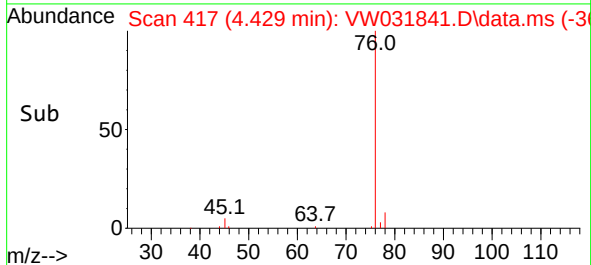
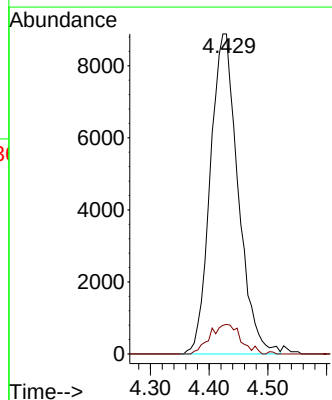
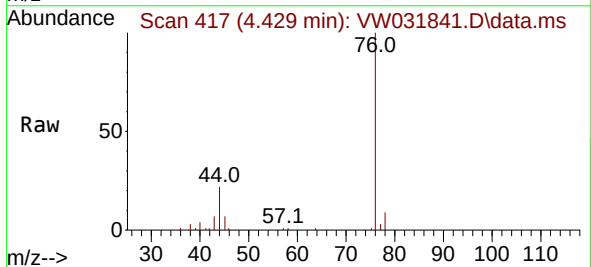
Instrument :
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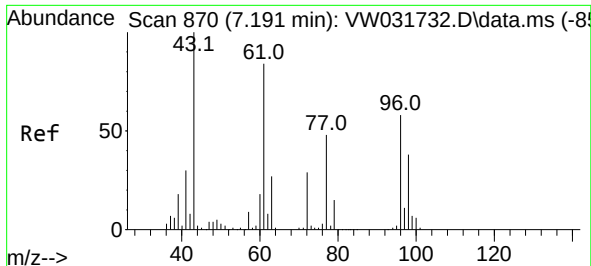
Tgt Ion: 43 Resp: 149166
Ion Ratio Lower Upper
43 100
58 23.5 24.8 37.2#



#17
Carbon Disulfide
Concen: 4.621 ug/l
RT: 4.429 min Scan# 417
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 76 Resp: 29177
Ion Ratio Lower Upper
76 100
78 9.3 6.6 10.0

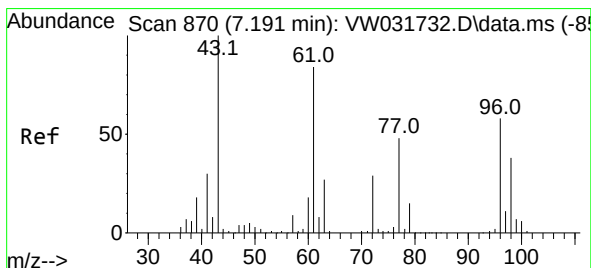
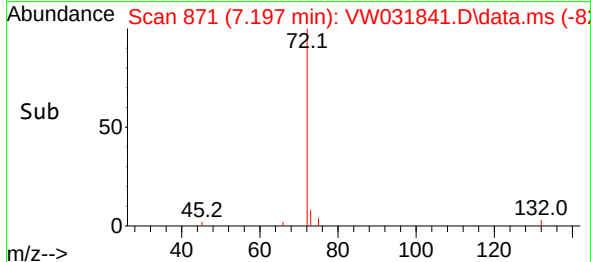
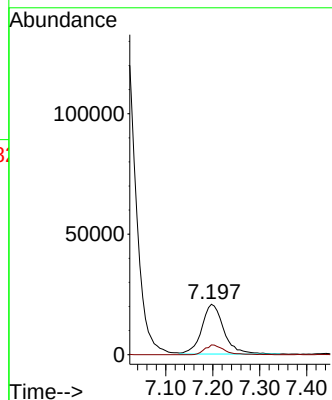
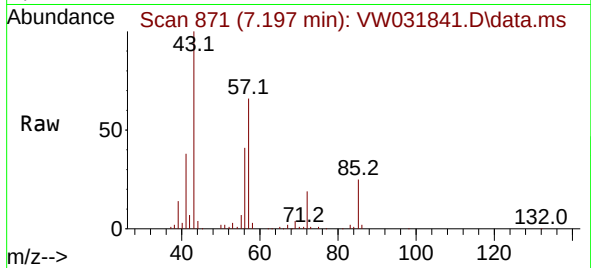




#25
2-Butanone
Concen: 73.529 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

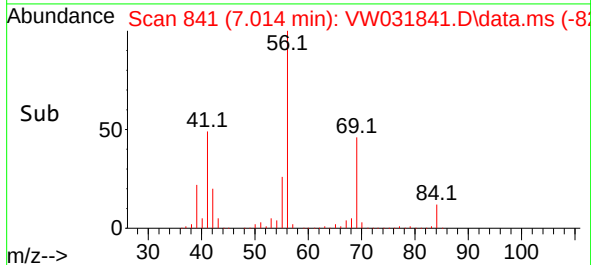
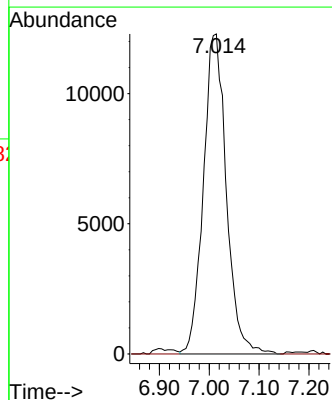
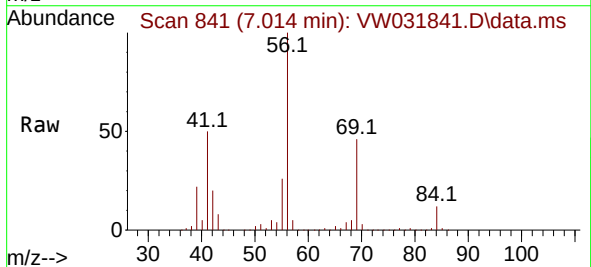
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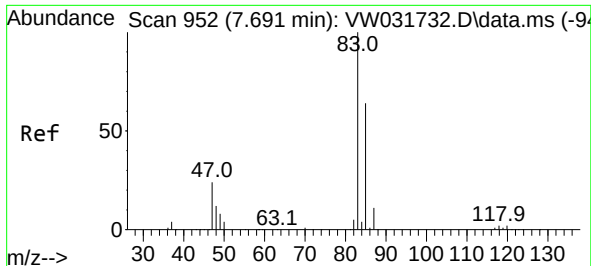
Tgt Ion: 43 Resp: 67189
Ion Ratio Lower Upper
43 100
72 19.7 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 14.724 ug/l
RT: 7.014 min Scan# 841
Delta R.T. -0.177 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 77 Resp: 39324
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.7#

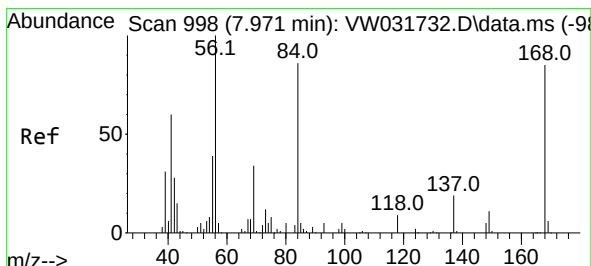
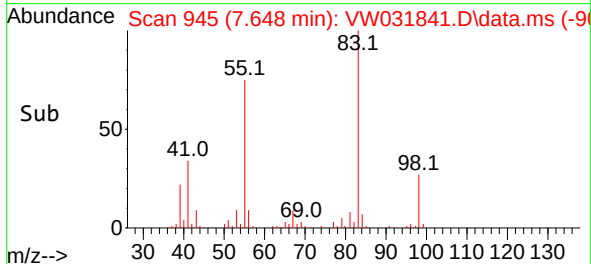
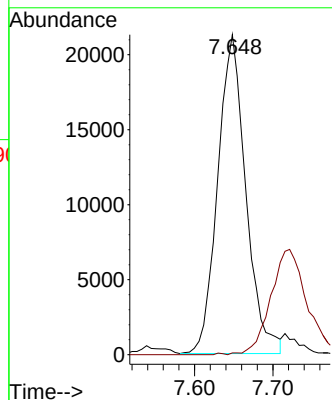
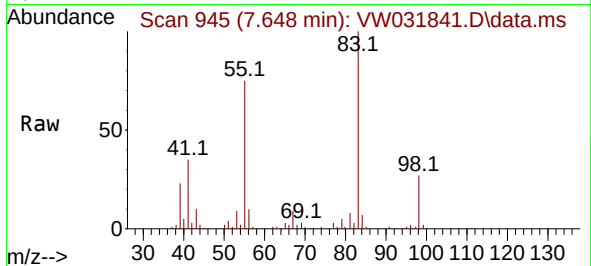




#30
Chloroform
Concen: 10.901 ug/l
RT: 7.648 min Scan# 945
Delta R.T. -0.042 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

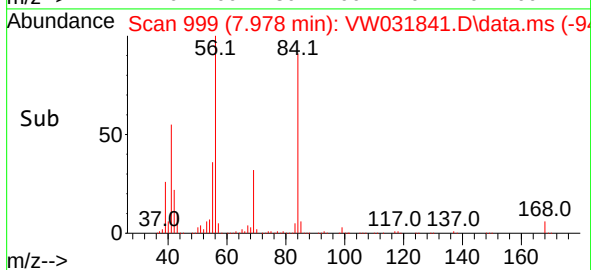
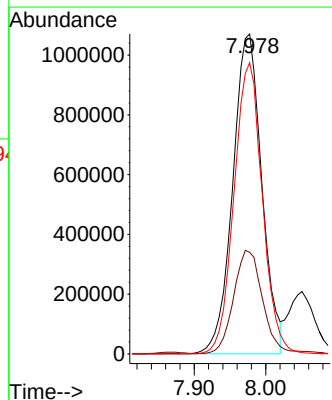
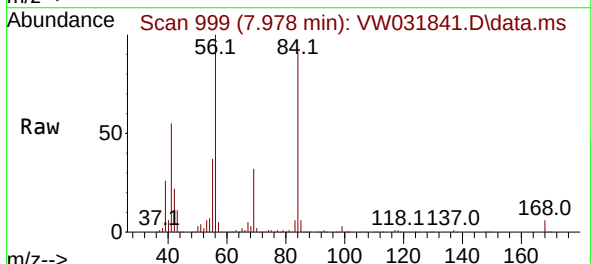
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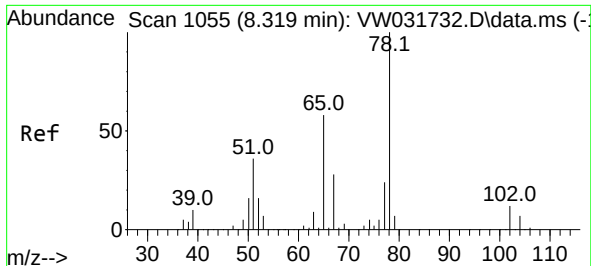
Tgt Ion: 83 Resp: 53023
Ion Ratio Lower Upper
83 100
85 0.6 51.4 77.0#



#31
Cyclohexane
Concen: 744.435 ug/l
RT: 7.978 min Scan# 999
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 56 Resp: 3012131
Ion Ratio Lower Upper
56 100
69 31.4 27.2 40.8
84 91.1 68.5 102.7

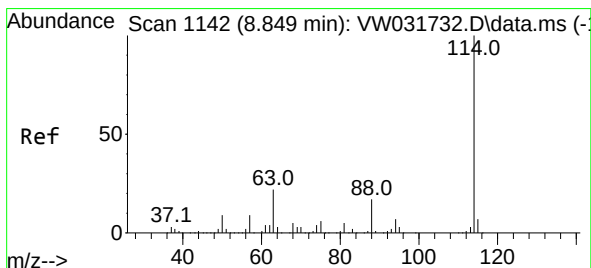
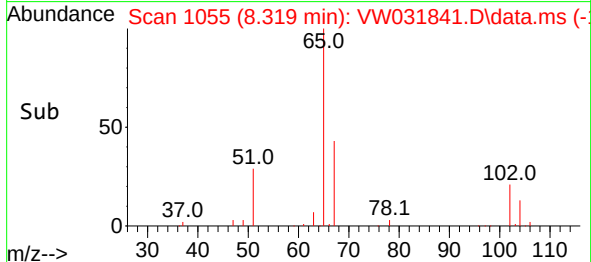
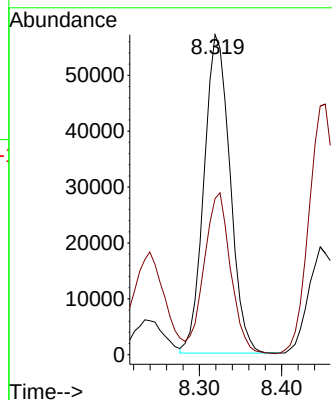
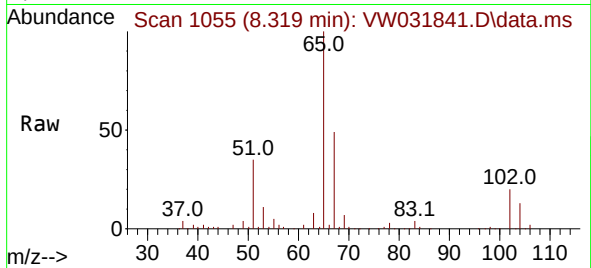




#33
 1,2-Dichloroethane-d4
 Concen: 44.088 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

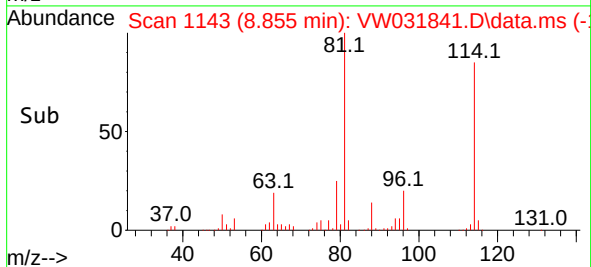
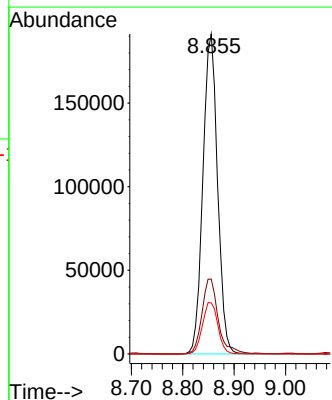
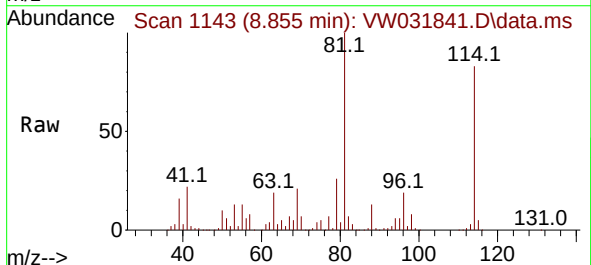
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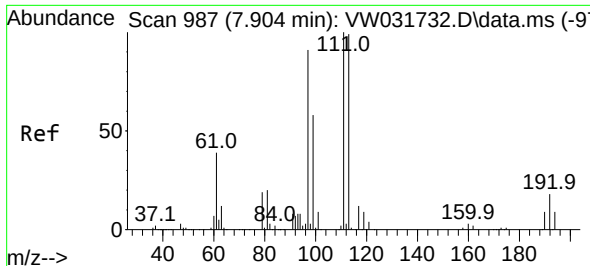
Tgt Ion: 65 Resp: 125286
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

Tgt Ion: 114 Resp: 378189
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 43.6
 88 16.0 0.0 34.2

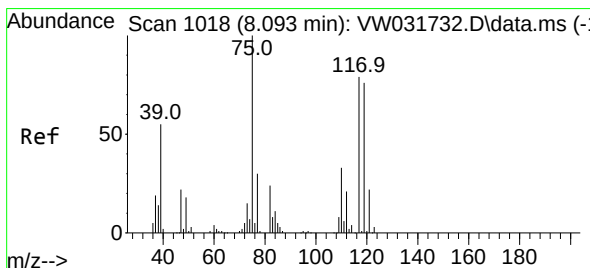
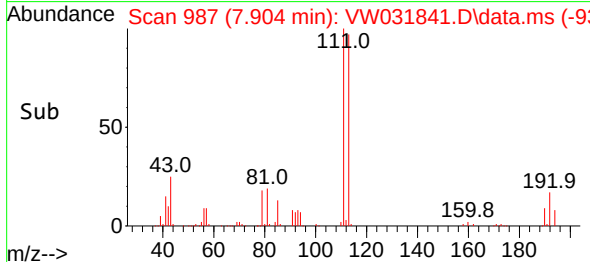
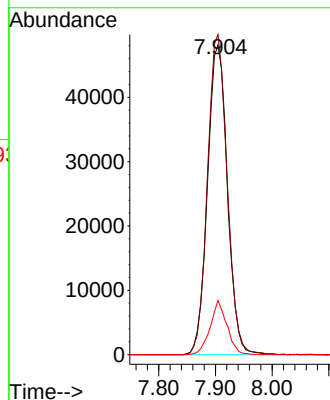
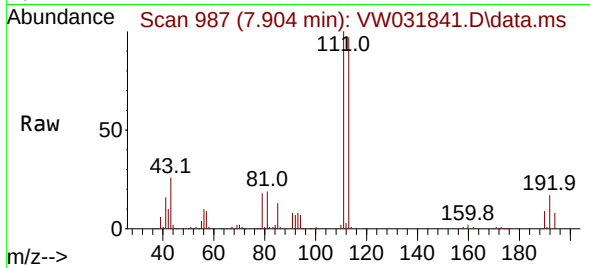




#35
 Dibromofluoromethane
 Concen: 47.563 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

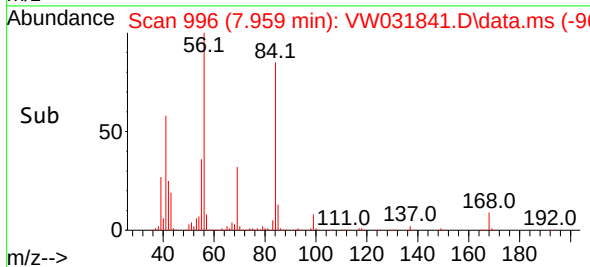
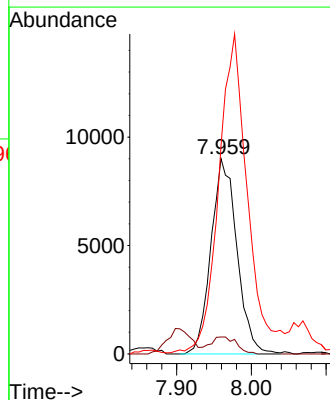
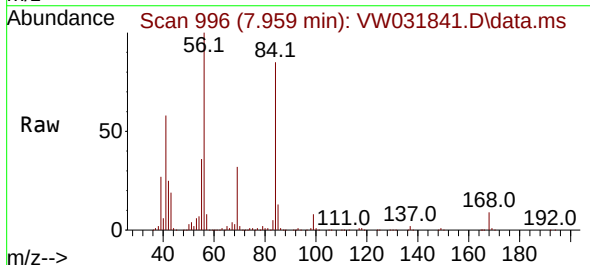
Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

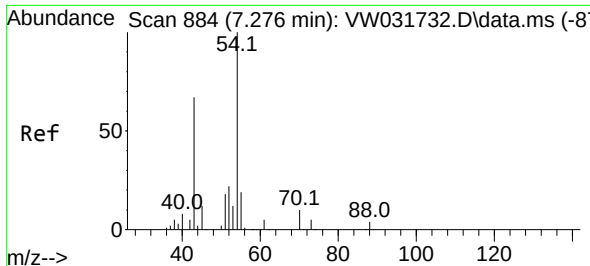
Tgt Ion:113 Resp: 117378
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.1 123.1
 192 14.8 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 6.077 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

Tgt Ion: 75 Resp: 21703
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.8 50.4#
 77 181.1 25.0 37.6#





#37

Ethyl Acetate

Concen: 29.826 ug/l

RT: 7.197 min Scan# 81

Delta R.T. -0.079 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

GCAP3

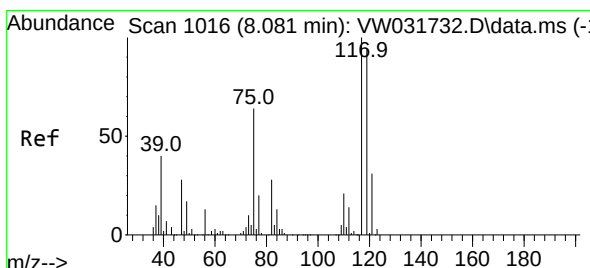
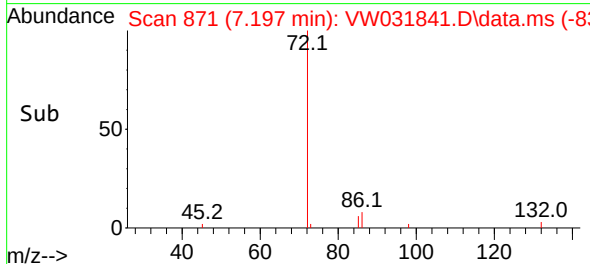
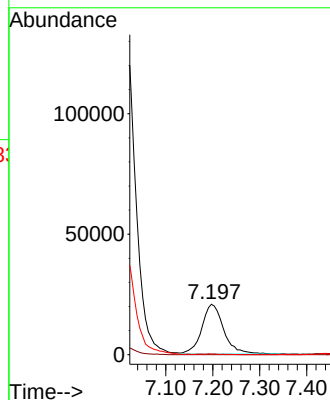
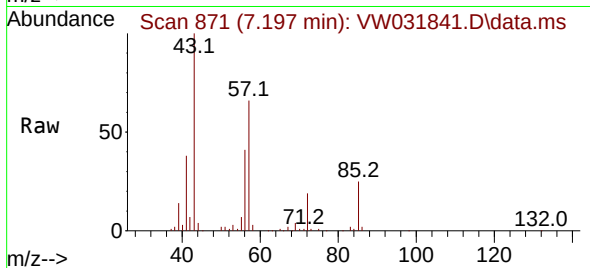
Tgt Ion: 43 Resp: 67189

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 6.515 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

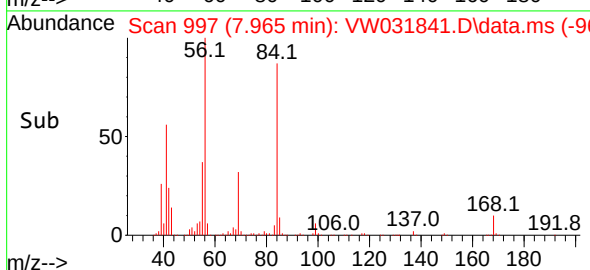
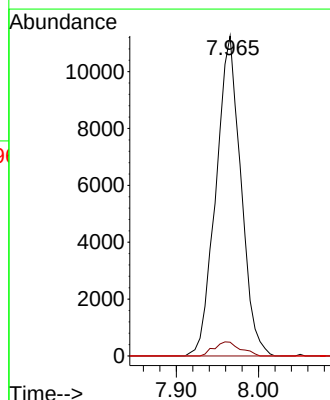
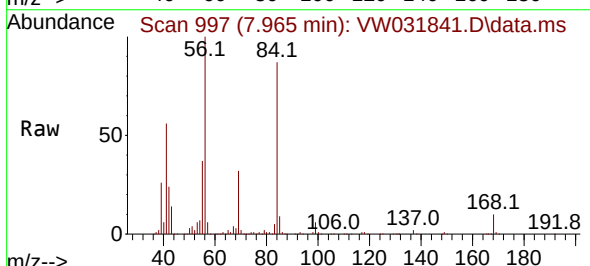
Tgt Ion: 117 Resp: 23707

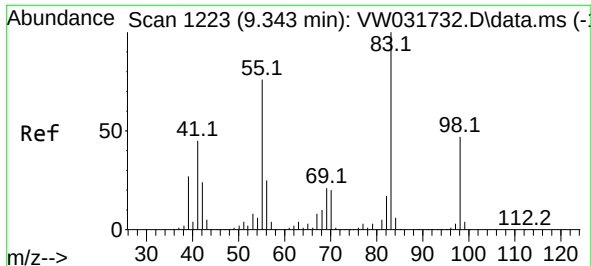
Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 1588.537 ug/l

RT: 9.349 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

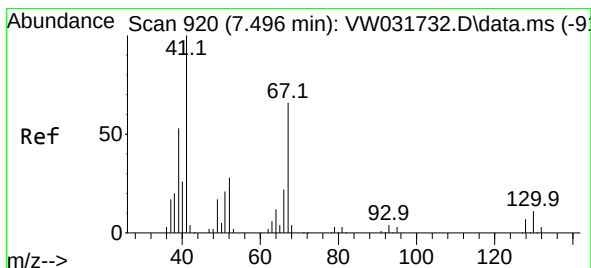
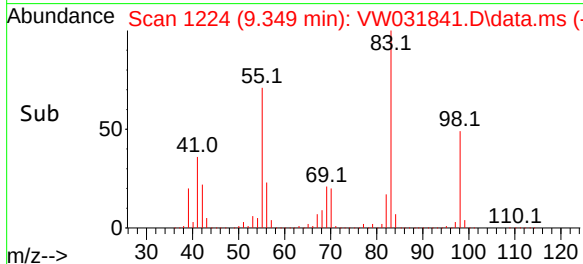
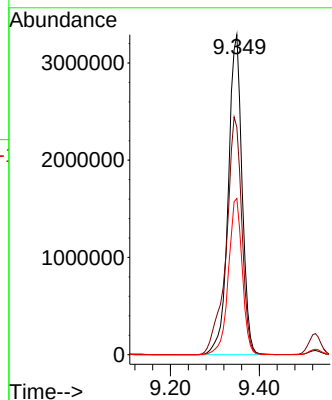
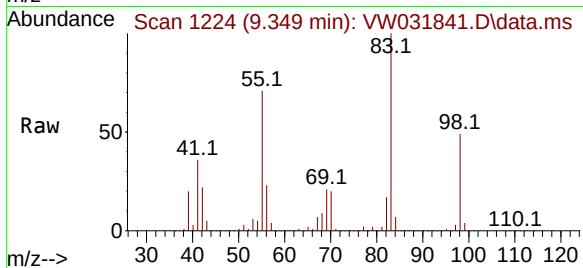
MSVOA_W

ClientSampleId :

GCAP3

Tgt Ion: 83 Resp: 7057937

Ion	Ratio	Lower	Upper
83	100		
55	71.1	61.0	91.4
98	48.8	37.9	56.9



#41

Methacrylonitrile

Concen: 7.220 ug/l

RT: 7.539 min Scan# 927

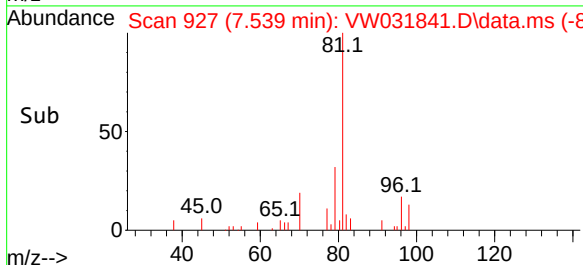
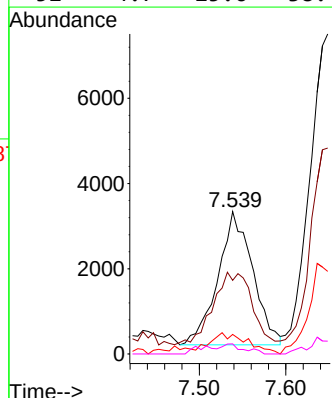
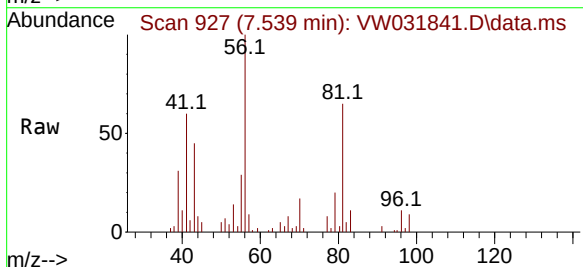
Delta R.T. 0.043 min

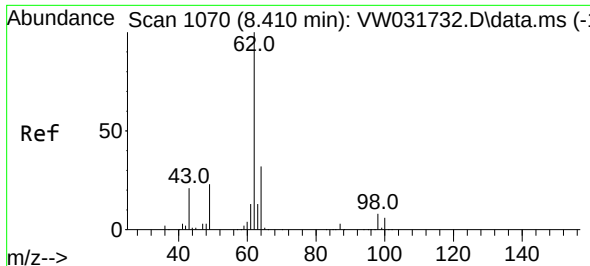
Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Tgt Ion: 41 Resp: 8713

Ion	Ratio	Lower	Upper
41	100		
39	60.9	43.2	64.8
67	0.0	58.1	87.1#
52	4.7	25.6	38.4#





#42

1,2-Dichloroethane

Concen: 2.865 ug/l

RT: 8.447 min Scan# 1076

Delta R.T. 0.037 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

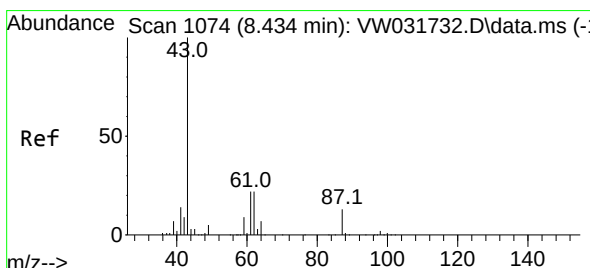
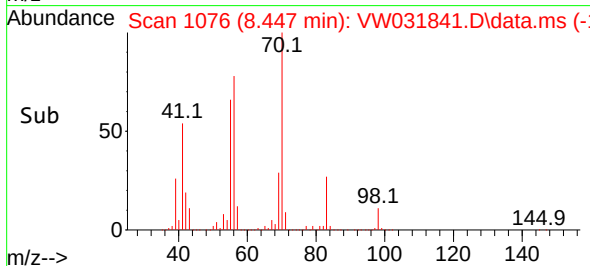
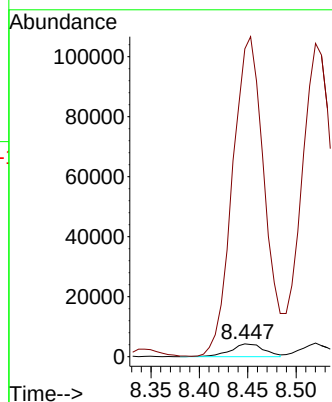
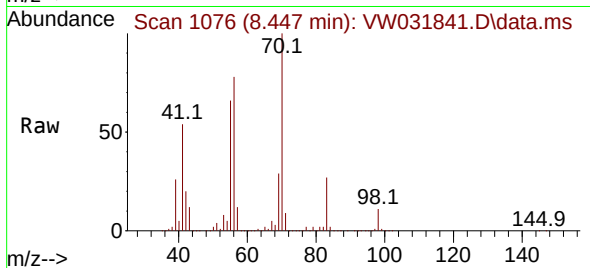
GCAP3

Tgt Ion: 62 Resp: 10228

Ion Ratio Lower Upper

62 100

98 2360.6 0.0 17.2#



#43

Isopropyl Acetate

Concen: 80.632 ug/l

RT: 8.441 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

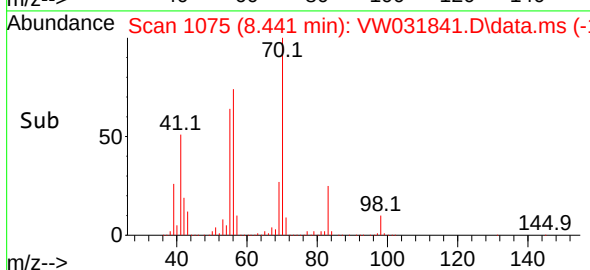
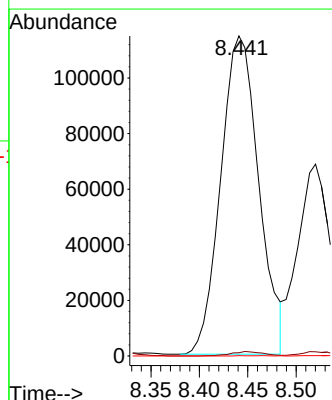
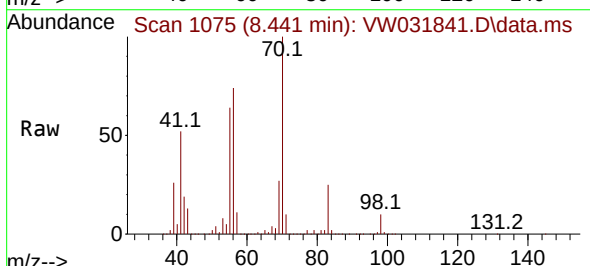
Tgt Ion: 43 Resp: 313112

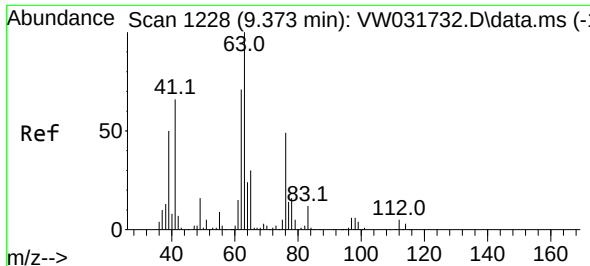
Ion Ratio Lower Upper

43 100

61 1.2 23.1 34.7#

87 0.0 10.8 16.2#

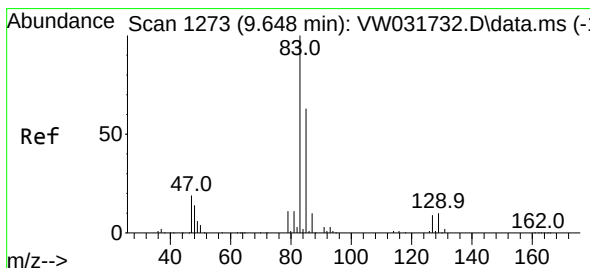
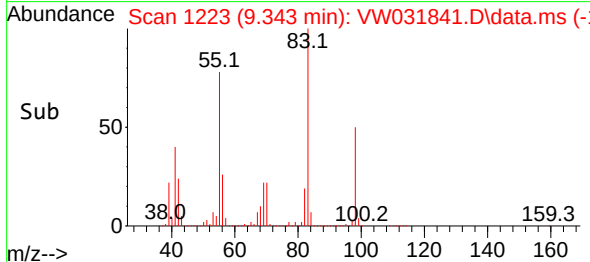
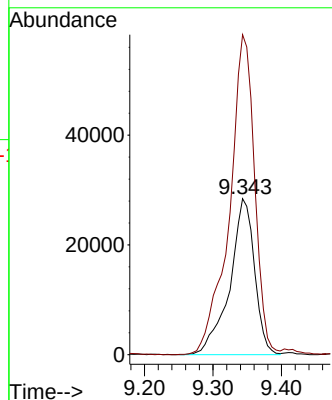
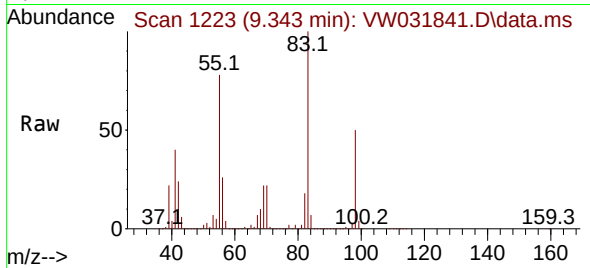




#45
1,2-Dichloropropane
Concen: 28.012 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.030 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

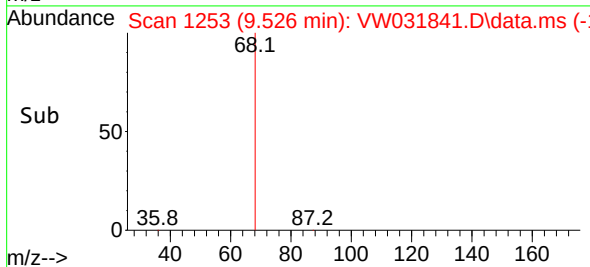
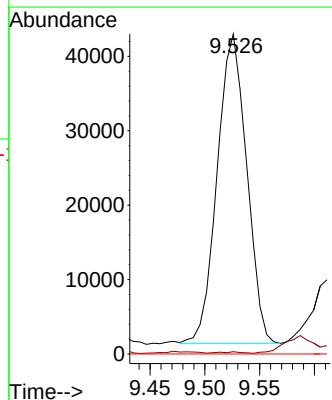
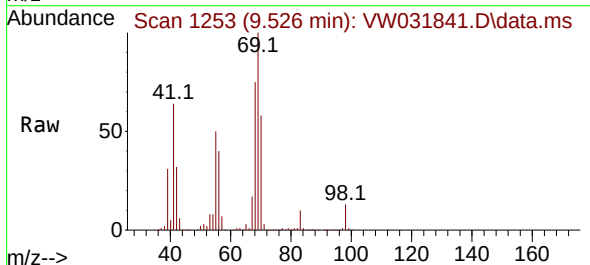
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

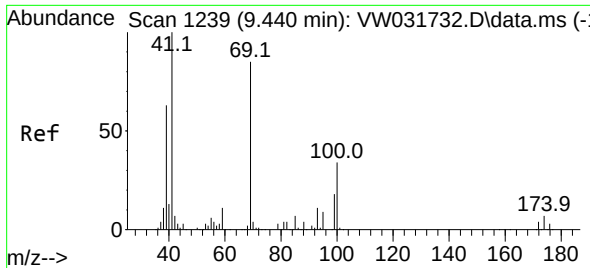
Tgt Ion: 63 Resp: 71529
Ion Ratio Lower Upper
63 100
65 204.8 24.2 36.4#



#47
Bromodichloromethane
Concen: 20.112 ug/l
RT: 9.526 min Scan# 1253
Delta R.T. -0.122 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 83 Resp: 77750
Ion Ratio Lower Upper
83 100
85 0.1 50.8 76.2#
127 0.0 6.8 10.2#

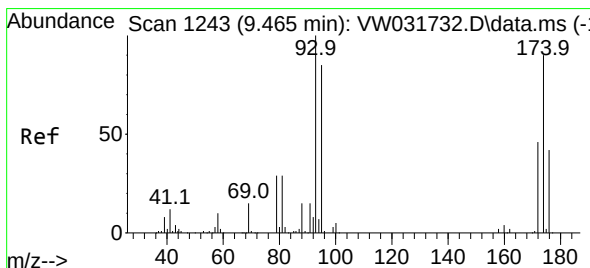
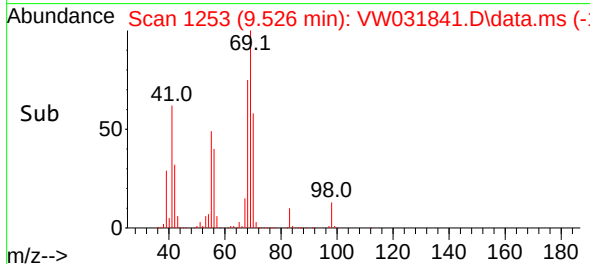
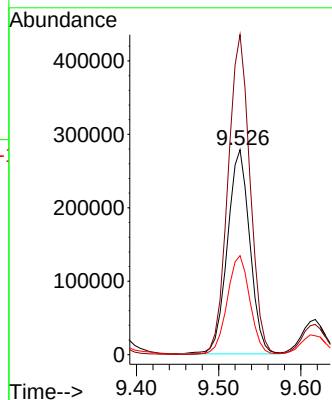
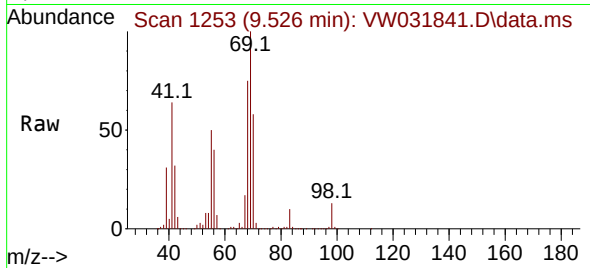




#48
Methyl methacrylate
Concen: 276.155 ug/l
RT: 9.526 min Scan# 11
Delta R.T. 0.086 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

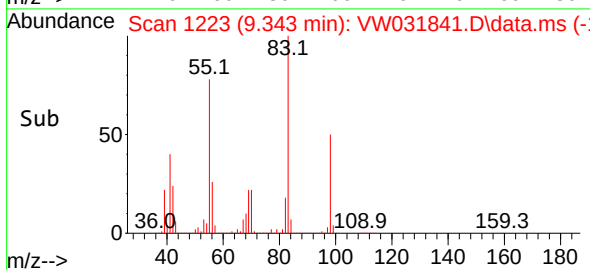
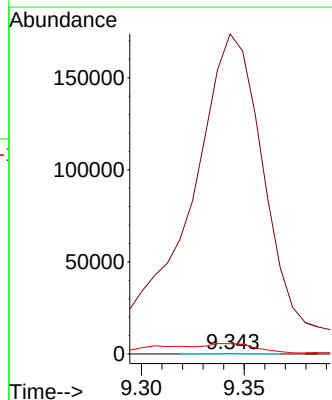
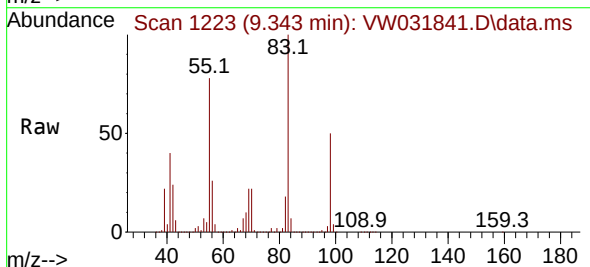
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

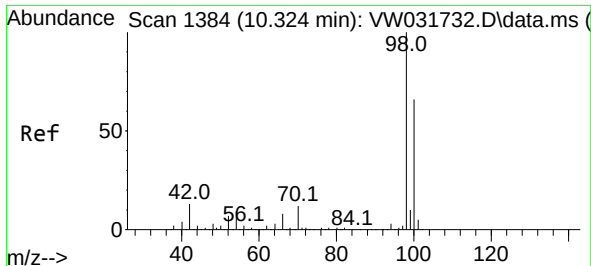
Tgt Ion: 41 Resp: 527290
Ion Ratio Lower Upper
41 100
69 153.6 71.6 107.4#
39 48.9 49.5 74.3#



#49
1,4-Dioxane
Concen: 9.115 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.122 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 269326.7 0.0 0.0#
58 5240.9 58.3 87.5#

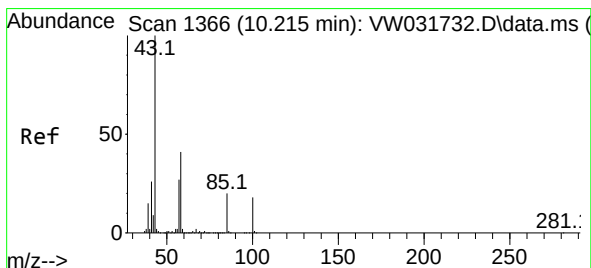
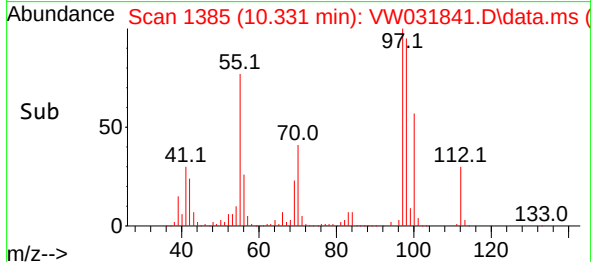
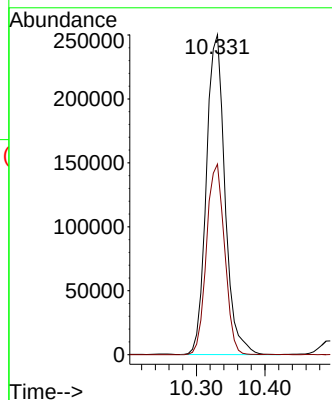
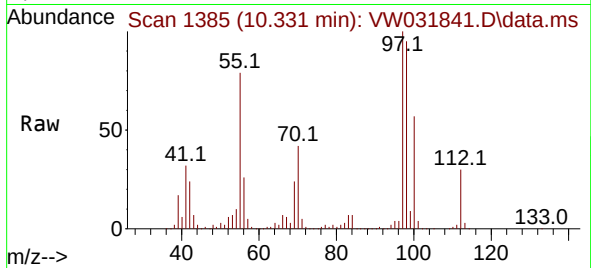




#50
Toluene-d8
Concen: 51.448 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

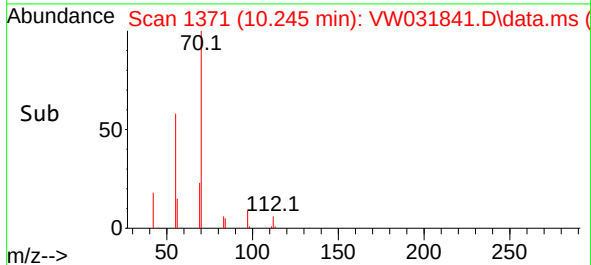
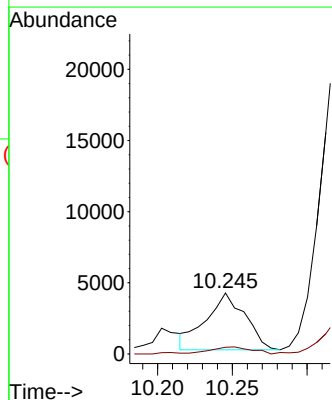
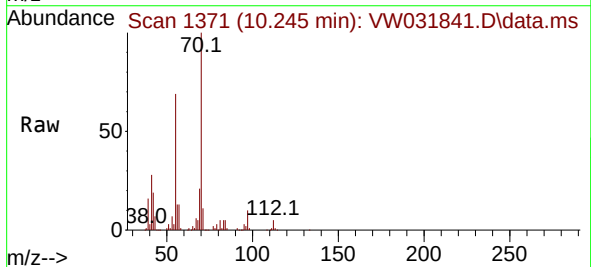
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

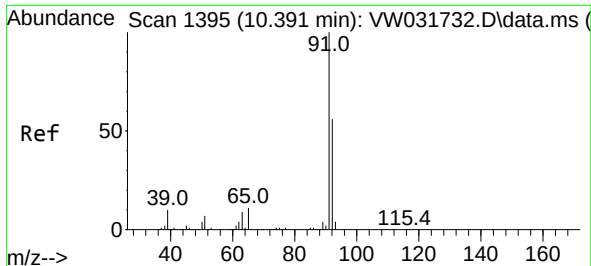
Tgt Ion: 98 Resp: 472486
Ion Ratio Lower Upper
98 100
100 57.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 3.269 ug/l
RT: 10.245 min Scan# 1371
Delta R.T. 0.031 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 43 Resp: 7298
Ion Ratio Lower Upper
43 100
58 12.1 32.2 48.2#

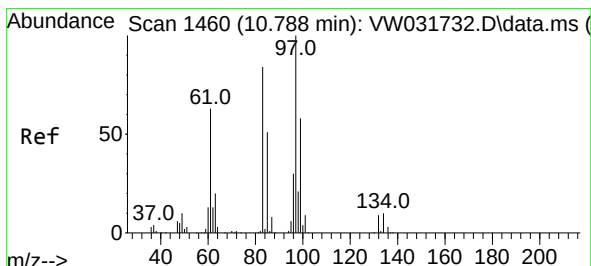
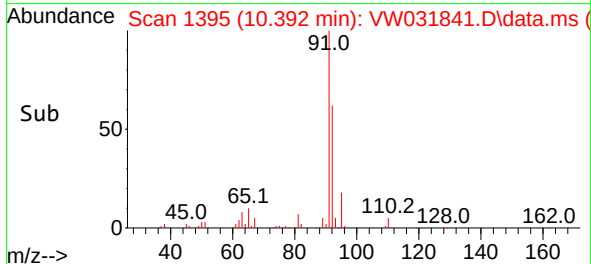
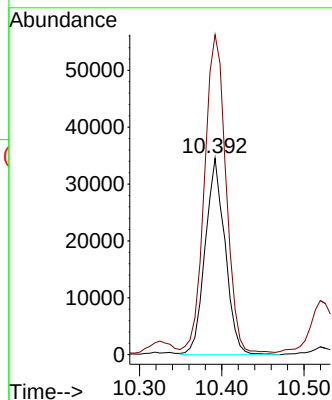
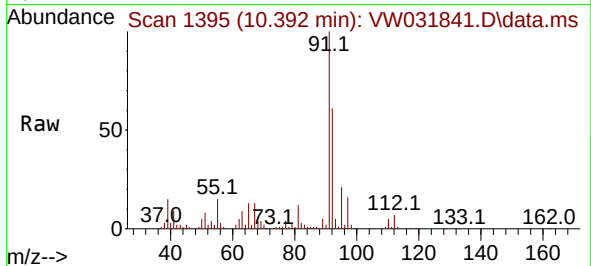




#52
Toluene
Concen: 8.585 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

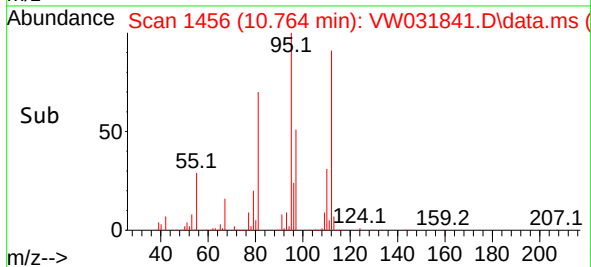
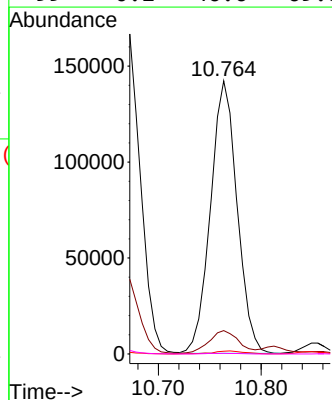
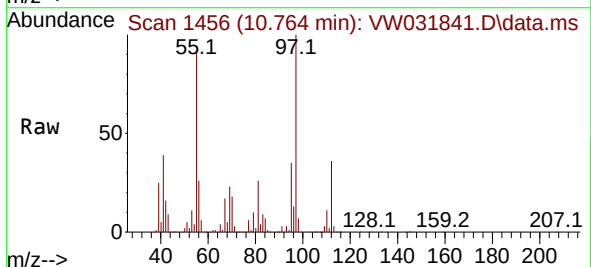
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

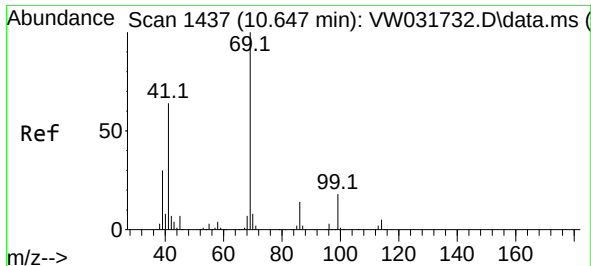
Tgt Ion: 92 Resp: 58077
Ion Ratio Lower Upper
92 100
91 174.4 139.5 209.3



#55
1,1,2-Trichloroethane
Concen: 118.136 ug/l
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 97 Resp: 255113
Ion Ratio Lower Upper
97 100
83 8.3 66.9 100.3#
85 1.0 41.1 61.7#
99 0.2 46.6 69.8#

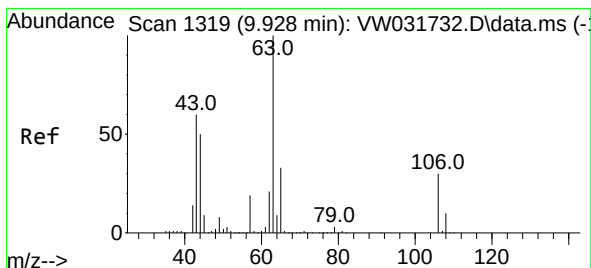
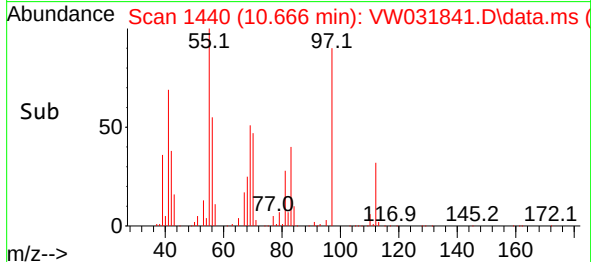
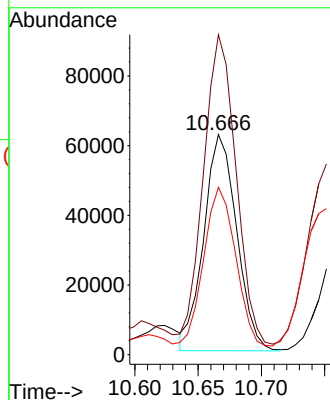
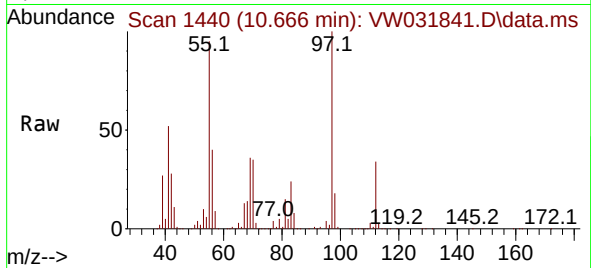




#56
Ethyl methacrylate
Concen: 38.377 ug/l
RT: 10.666 min Scan# 1437
Delta R.T. 0.019 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

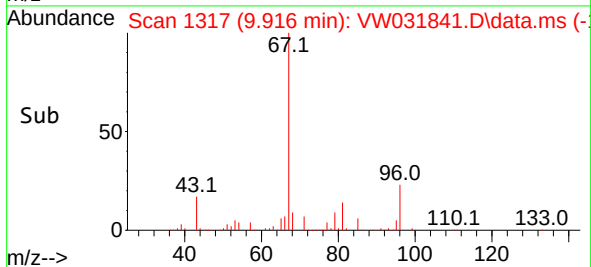
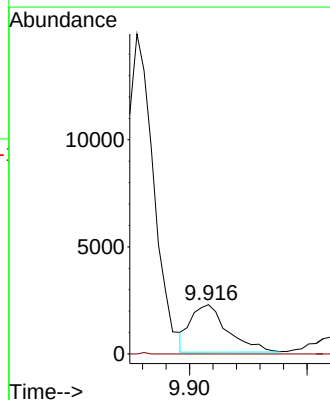
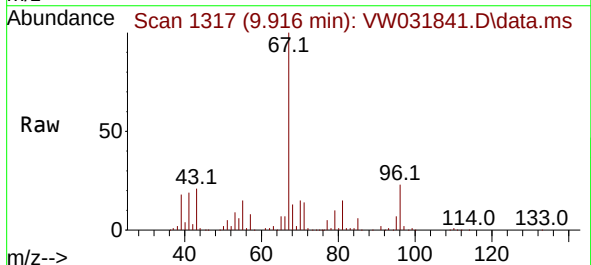
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

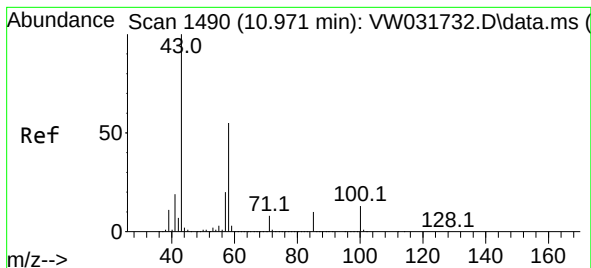
Tgt Ion: 69 Resp: 112435
Ion Ratio Lower Upper
69 100
41 141.0 53.3 79.9#
39 70.8 30.2 45.2#



#58
2-Chloroethyl Vinyl ether
Concen: 3.010 ug/l
RT: 9.916 min Scan# 1317
Delta R.T. -0.012 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 63 Resp: 4856
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#





#59

2-Hexanone

Concen: 1.364 ug/l

RT: 11.001 min Scan# 1495

Delta R.T. 0.031 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

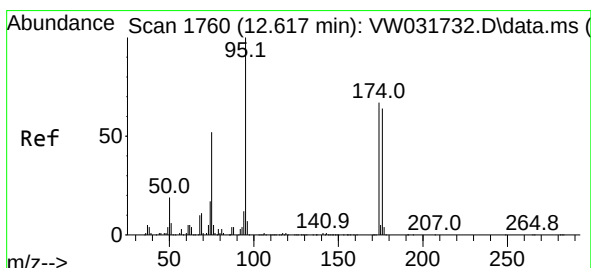
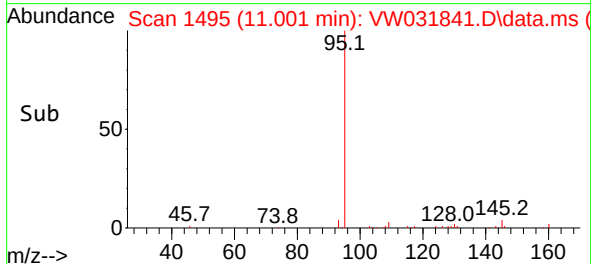
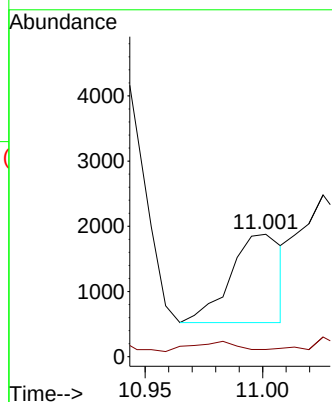
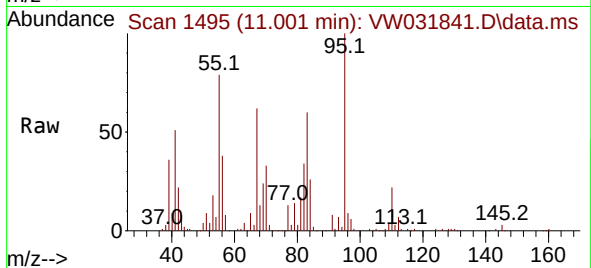
GCAP3

Tgt Ion: 43 Resp: 2064

Ion Ratio Lower Upper

43 100

58 12.1 27.9 83.6#



#62

4-Bromofluorobenzene

Concen: 39.891 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

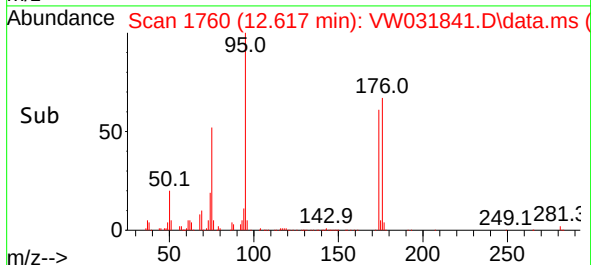
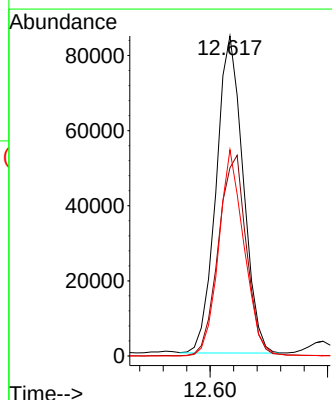
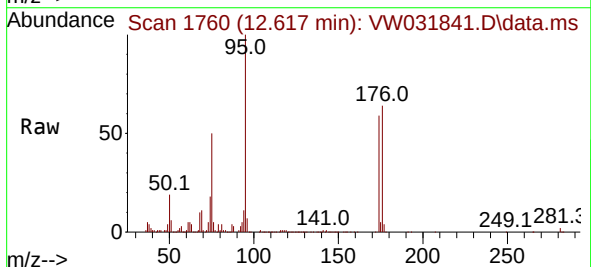
Tgt Ion: 95 Resp: 134818

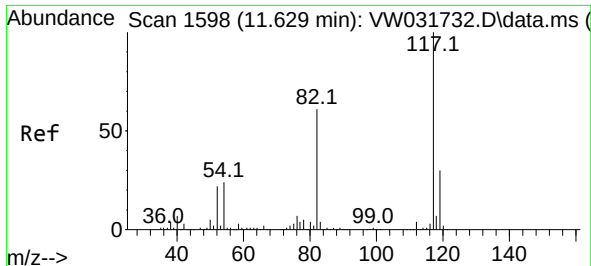
Ion Ratio Lower Upper

95 100

174 66.0 0.0 133.8

176 61.4 0.0 126.0

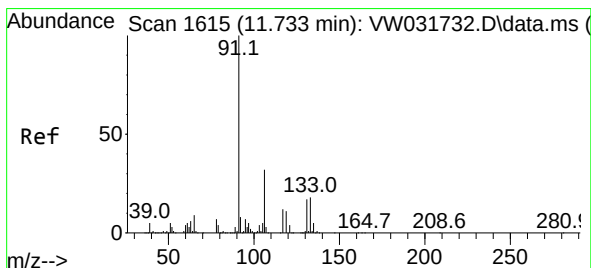
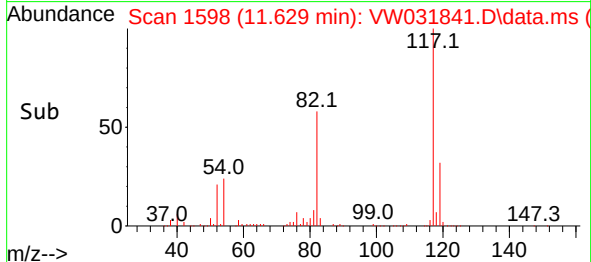
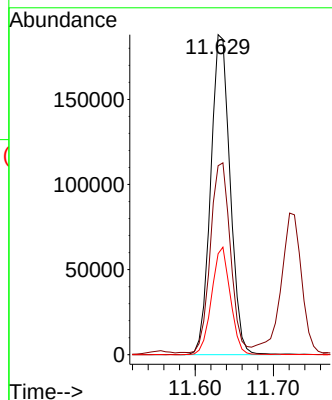
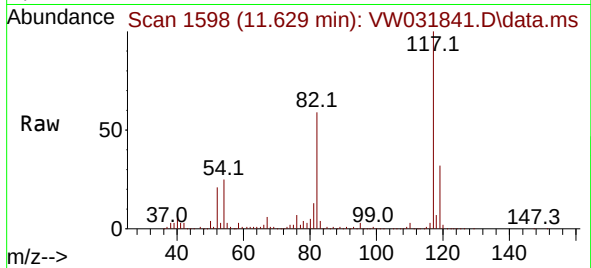




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

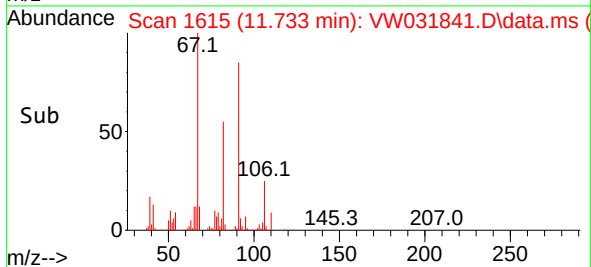
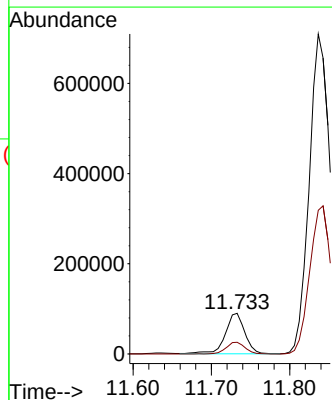
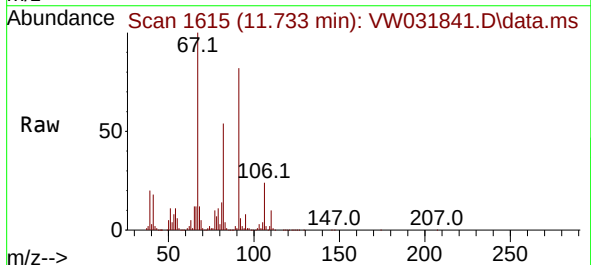
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

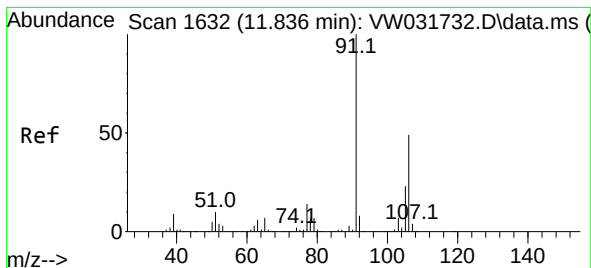
Tgt Ion:117 Resp: 323667
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 31.6 23.9 35.9



#67
Ethyl Benzene
Concen: 12.398 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 91 Resp: 153523
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.2

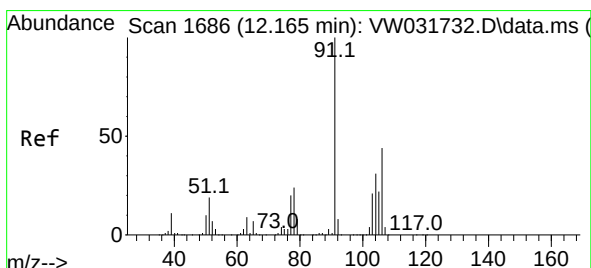
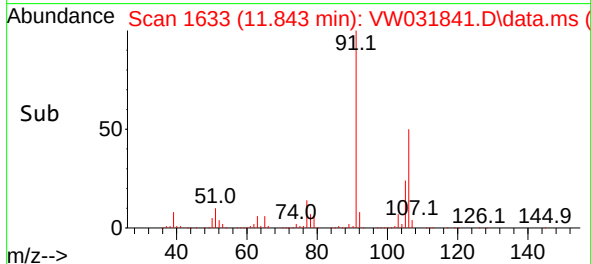
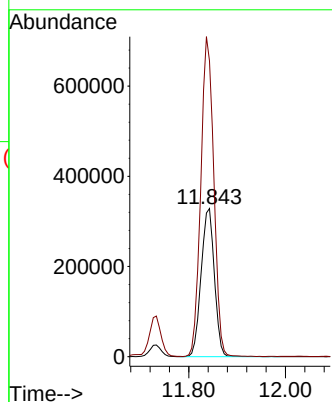
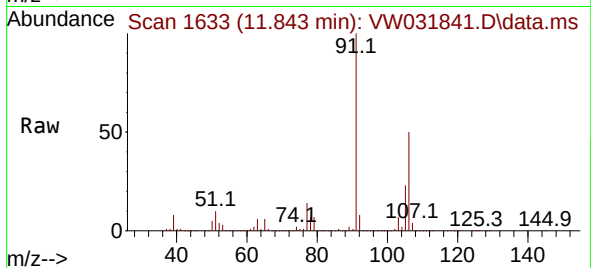




#68
m/p-Xylenes
Concen: 131.159 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

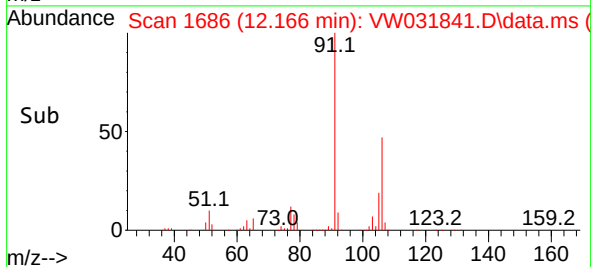
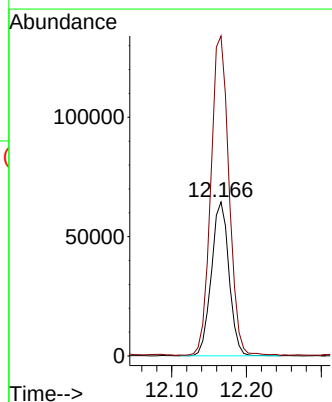
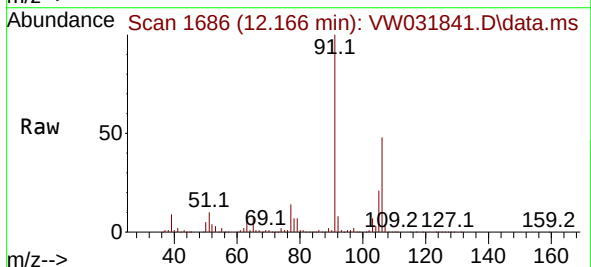
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

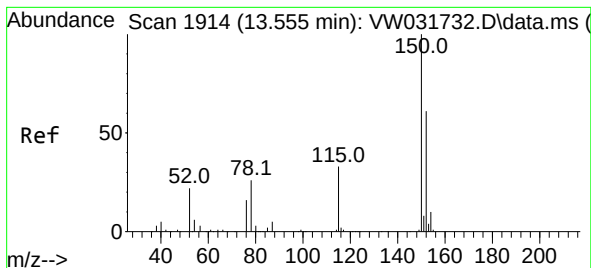
Tgt Ion:106 Resp: 624353
Ion Ratio Lower Upper
106 100
91 211.6 166.4 249.6



#69
o-Xylene
Concen: 23.926 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:106 Resp: 105452
Ion Ratio Lower Upper
106 100
91 214.3 111.5 334.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

GCAP3

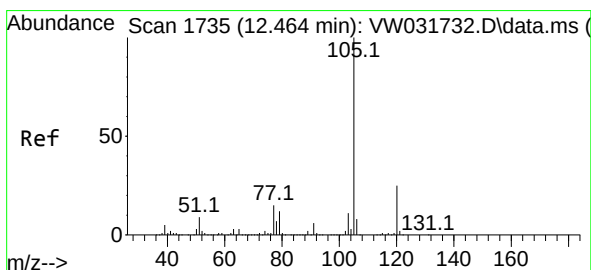
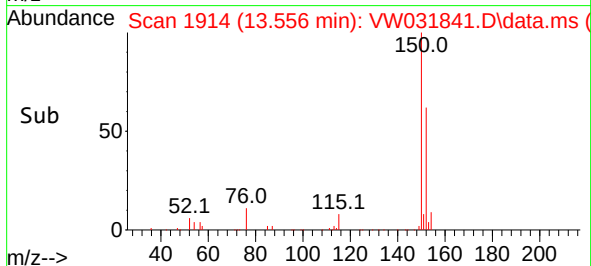
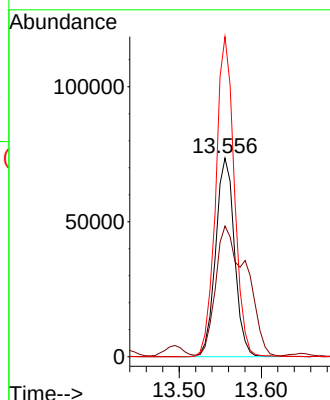
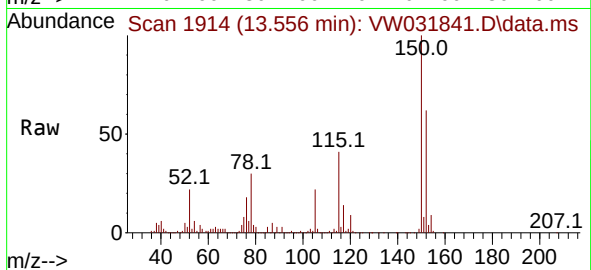
Tgt Ion:152 Resp: 116915

Ion Ratio Lower Upper

152 100

115 106.1 31.9 95.7#

150 158.6 0.0 356.4



#73

Isopropylbenzene

Concen: 58.692 ug/l

RT: 12.464 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VW031841.D

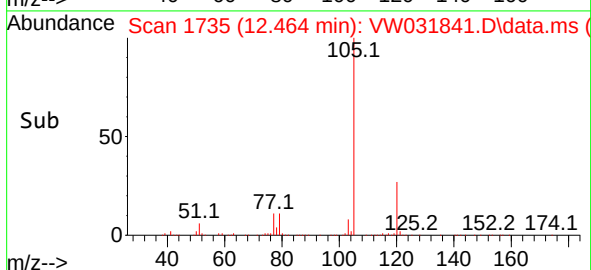
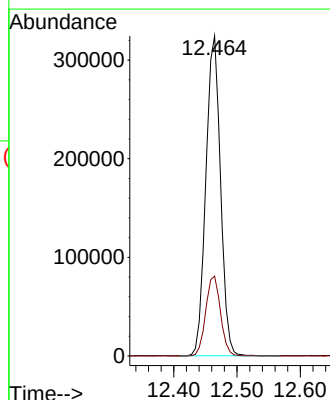
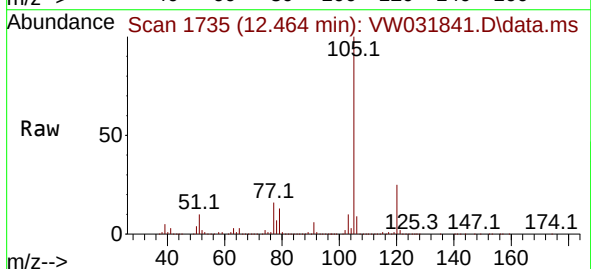
Acq: 14 Jul 2025 11:38

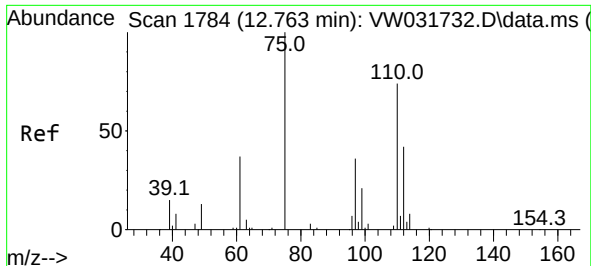
Tgt Ion:105 Resp: 521961

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.4

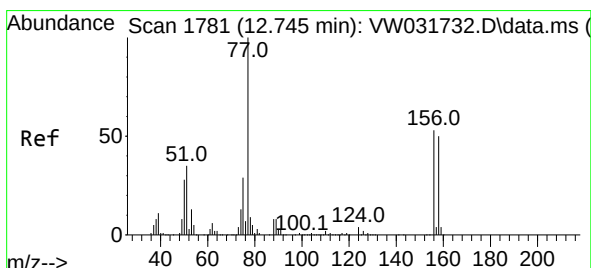
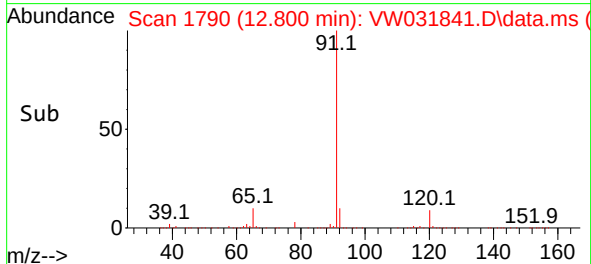
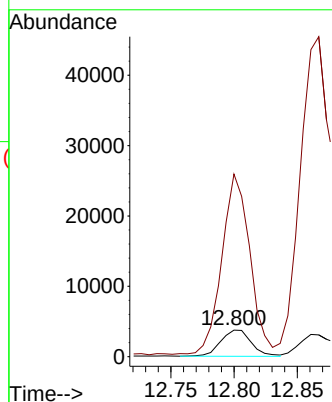
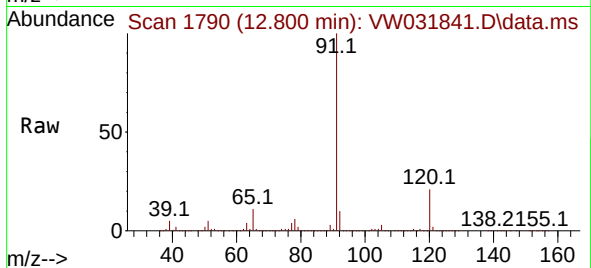




#76
1,2,3-Trichloropropane
Concen: 4.149 ug/l
RT: 12.800 min Scan# 1793
Delta R.T. 0.037 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

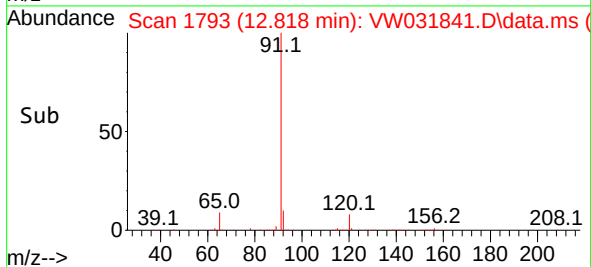
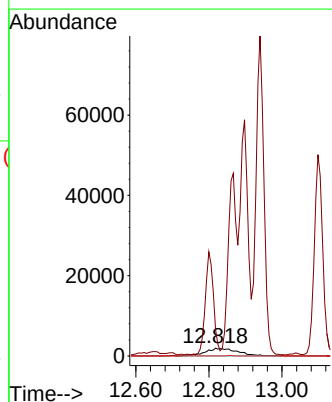
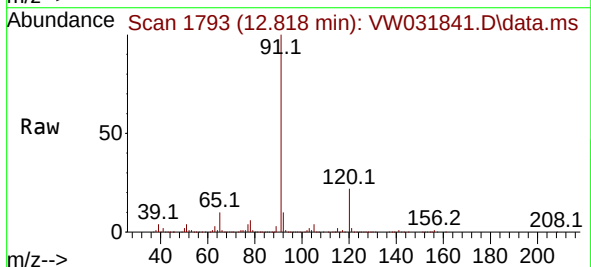
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

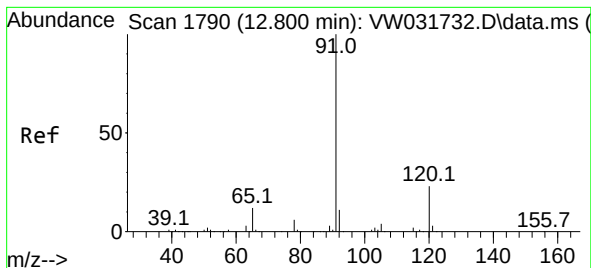
Tgt Ion: 75 Resp: 6268
Ion Ratio Lower Upper
75 100
77 627.7 141.2 423.6#



#77
Bromobenzene
Concen: 5.983 ug/l
RT: 12.818 min Scan# 1793
Delta R.T. 0.073 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:156 Resp: 11867
Ion Ratio Lower Upper
156 100
77 331.5 117.9 353.7
158 0.2 52.6 157.8#





#78

n-propylbenzene

Concen: 91.904 ug/l

RT: 12.800 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

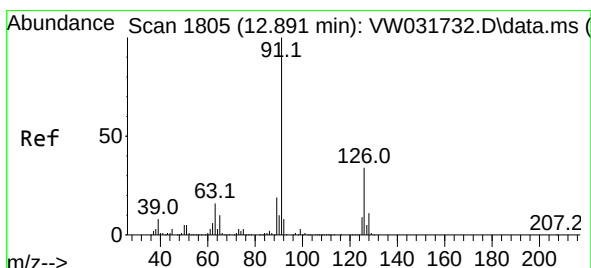
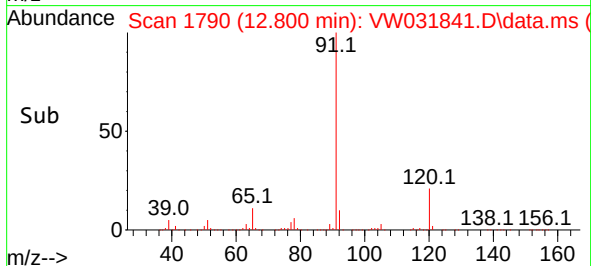
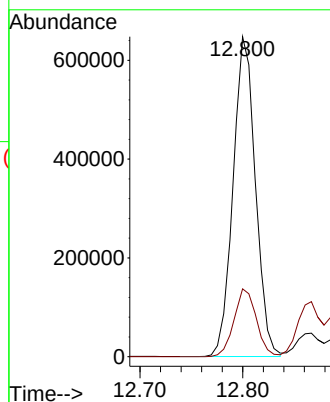
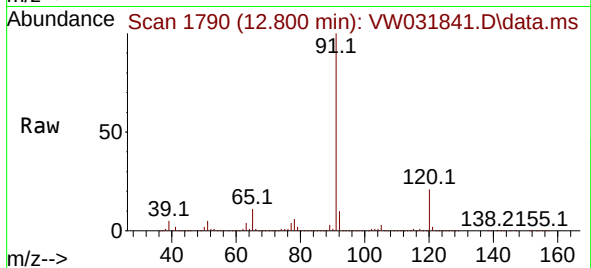
GCAP3

Tgt Ion: 91 Resp: 978725

Ion Ratio Lower Upper

91 100

120 21.3 11.5 34.4



#79

2-Chlorotoluene

Concen: 12.701 ug/l

RT: 12.897 min Scan# 1806

Delta R.T. 0.006 min

Lab File: VW031841.D

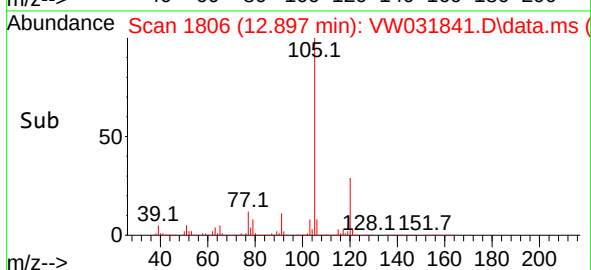
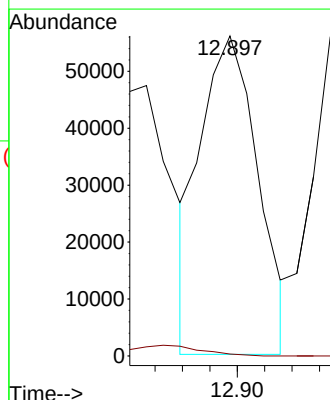
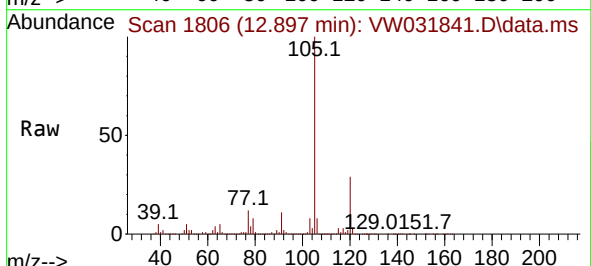
Acq: 14 Jul 2025 11:38

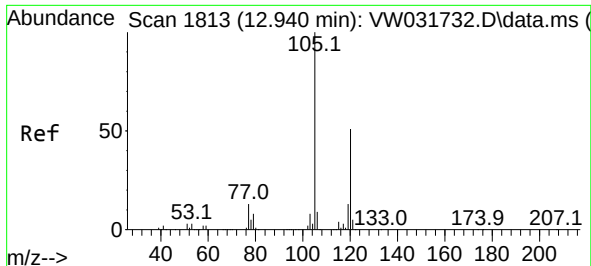
Tgt Ion: 91 Resp: 81447

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.4#

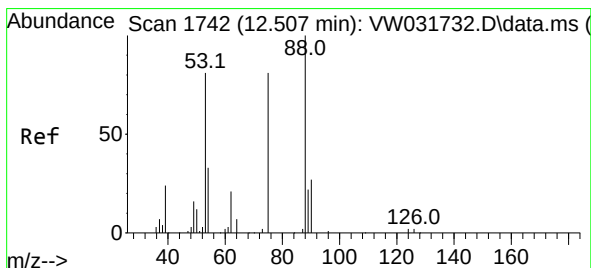
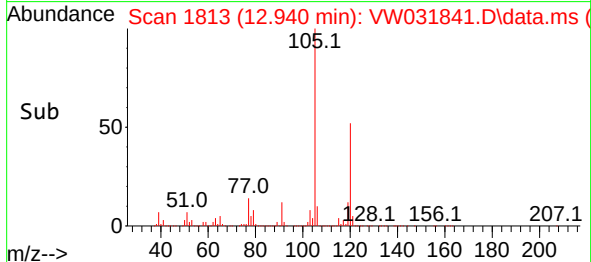
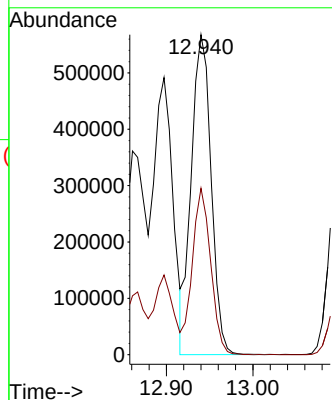
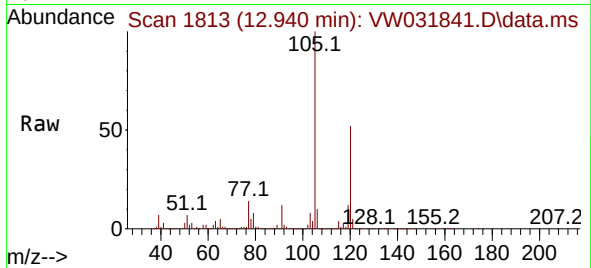




#80
 1,3,5-Trimethylbenzene
 Concen: 122.731 ug/l
 RT: 12.940 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

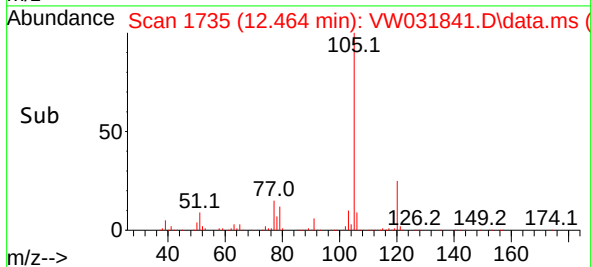
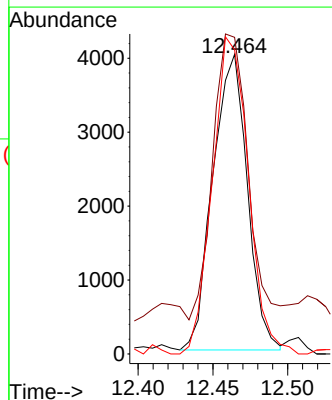
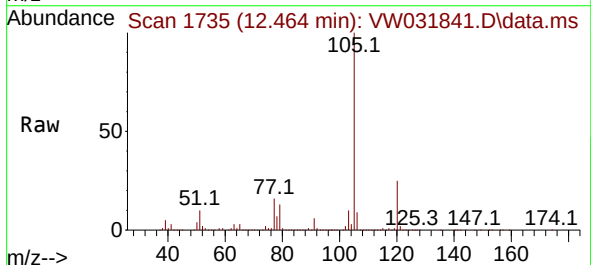
Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

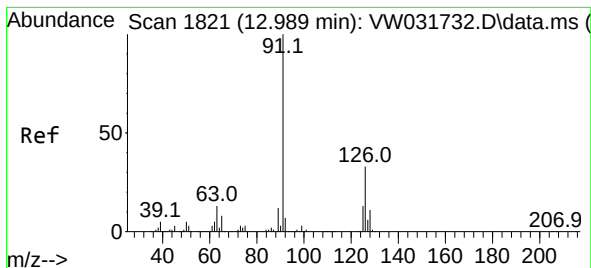
Tgt Ion:105 Resp: 903463
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.888 ug/l
 RT: 12.464 min Scan# 1735
 Delta R.T. -0.042 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

Tgt Ion: 75 Resp: 6414
 Ion Ratio Lower Upper
 75 100
 53 97.1 83.5 125.3
 89 112.1 38.3 57.5#





#82

4-Chlorotoluene

Concen: 14.666 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.049 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

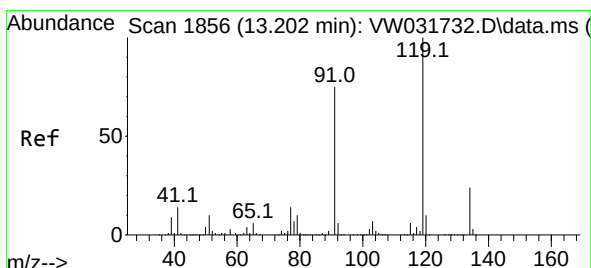
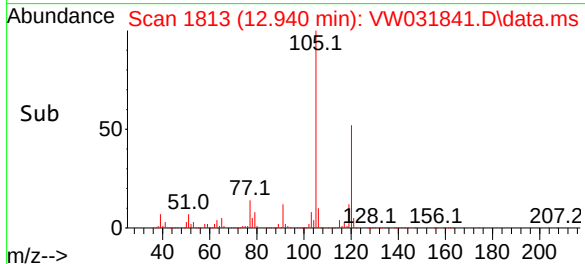
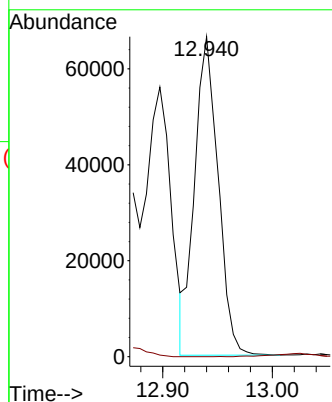
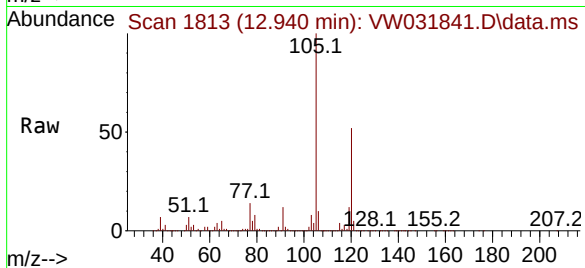
GCAP3

Tgt Ion: 91 Resp: 98741

Ion Ratio Lower Upper

91 100

126 0.0 16.0 47.9#



#83

tert-Butylbenzene

Concen: 1.937 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

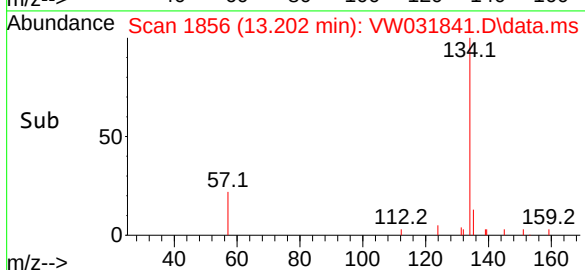
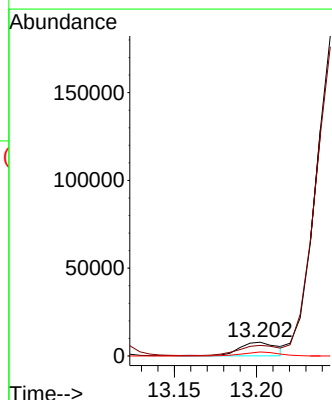
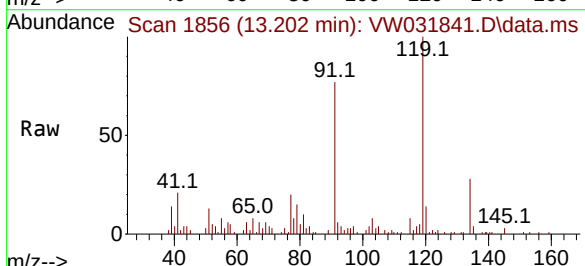
Tgt Ion: 119 Resp: 12216

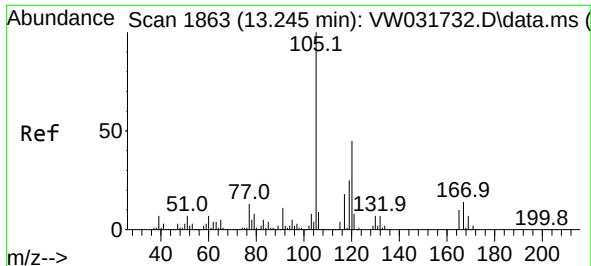
Ion Ratio Lower Upper

119 100

91 79.6 36.0 108.1

134 27.3 12.4 37.2

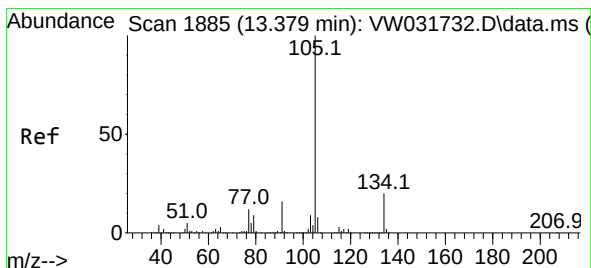
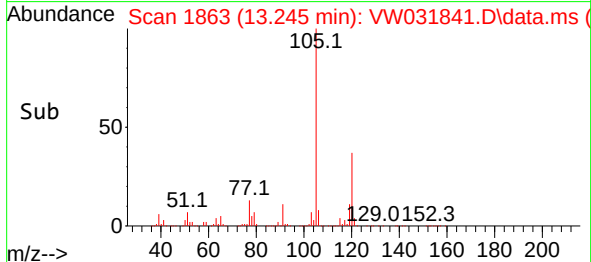
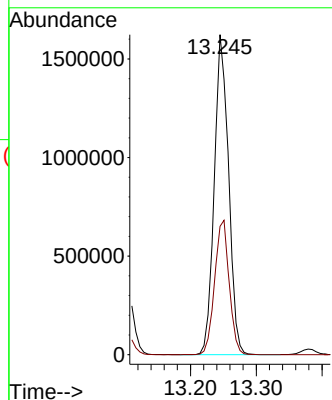
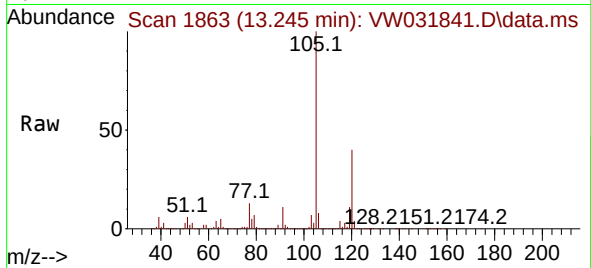




#84
1,2,4-Trimethylbenzene
Concen: 328.905 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

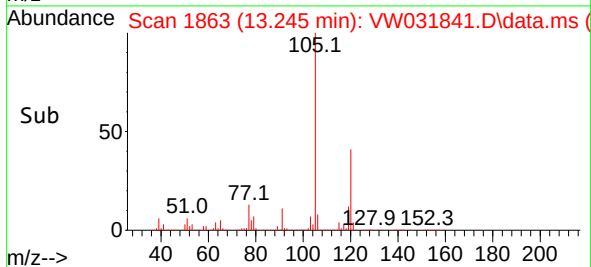
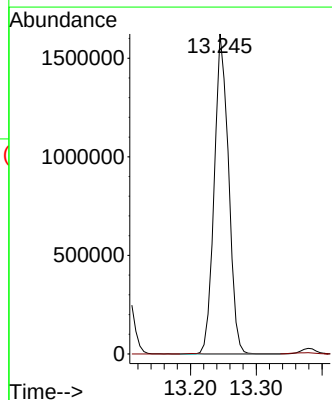
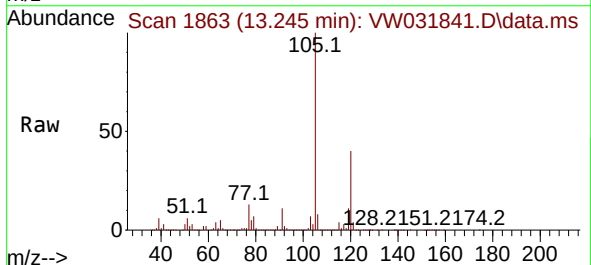
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

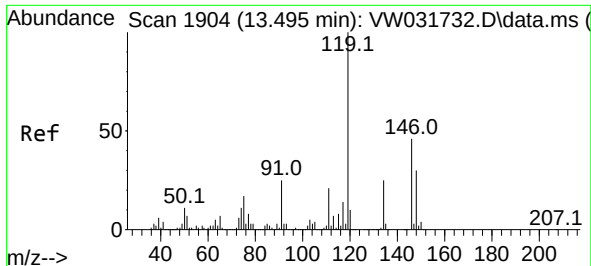
Tgt Ion:105 Resp: 2453174
Ion Ratio Lower Upper
105 100
120 42.8 22.1 66.1



#85
sec-Butylbenzene
Concen: 259.194 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.134 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:105 Resp: 2453174
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.8#

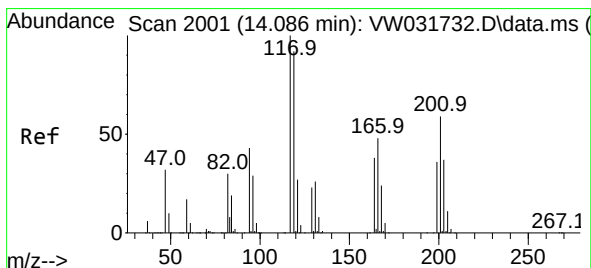
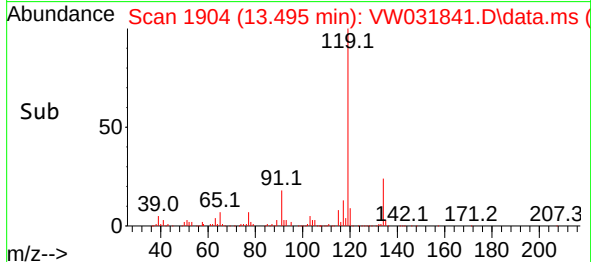
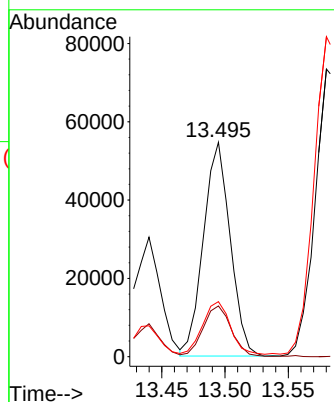
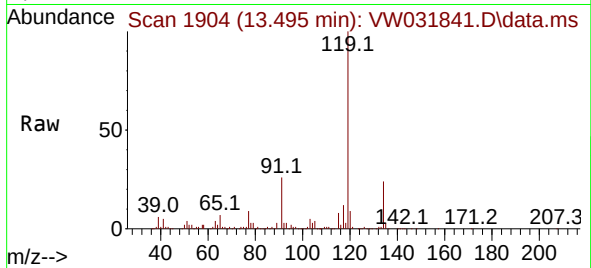




#86
 p-Isopropyltoluene
 Concen: 10.333 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

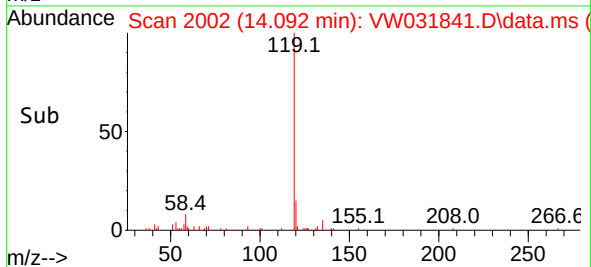
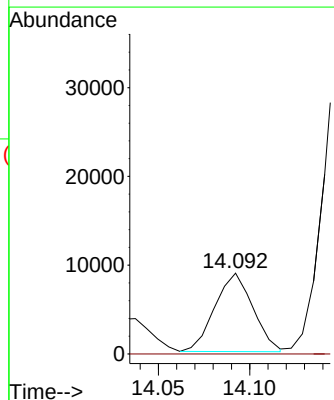
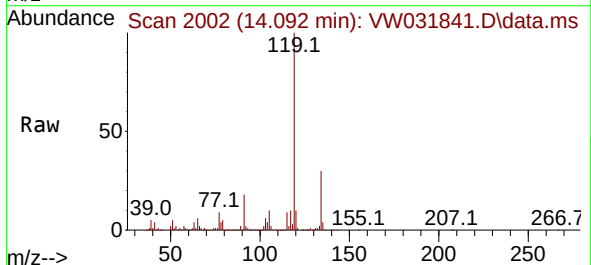
Instrument :
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 ClientSampleId :
 GCAP3

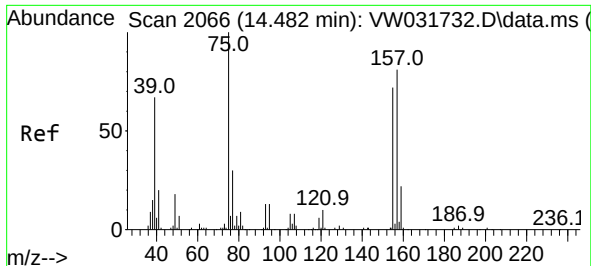
Tgt Ion:119 Resp: 80598
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.7
 91 25.0 12.7 38.0



#90
 Hexachloroethane
 Concen: 9.102 ug/l
 RT: 14.092 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

Tgt Ion:117 Resp: 12808
 Ion Ratio Lower Upper
 117 100
 201 0.0 31.1 93.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.613 ug/l

RT: 14.452 min Scan# 2066

Delta R.T. -0.030 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

GCAP3

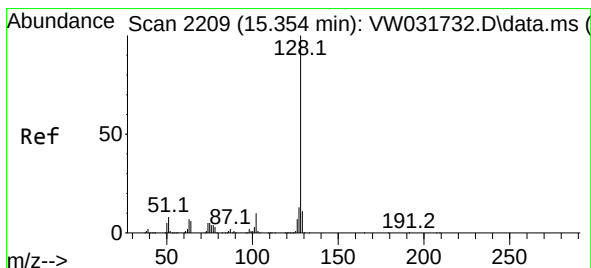
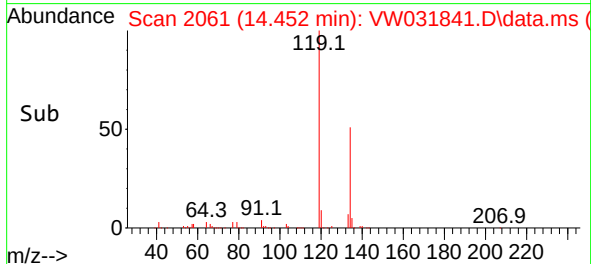
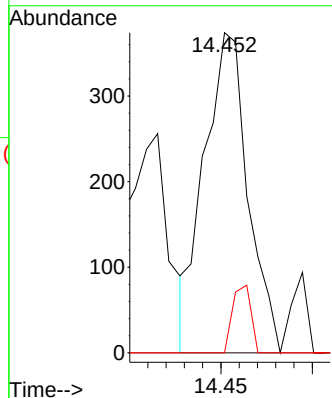
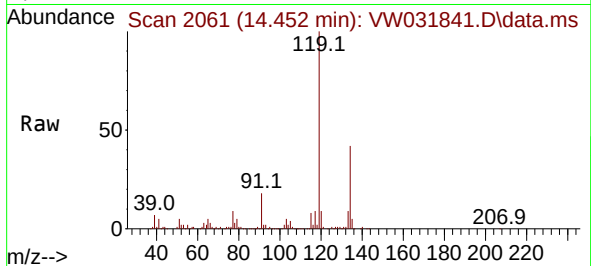
Tgt Ion: 75 Resp: 622

Ion Ratio Lower Upper

75 100

155 0.0 37.2 111.6#

157 8.8 45.6 136.9#



#95

Naphthalene

Concen: 1.280 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Tgt Ion: 128 Resp: 7035

Ion Ratio Lower Upper

128 100

127 16.6 10.8 16.2#

129 13.5 8.7 13.1#

