

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101124\
 Data File : VW030557.D
 Acq On : 11 Oct 2024 18:26
 Operator : SY/MD
 Sample : P4350-06
 Misc : 5.68g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 14 01:44:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Oct 14 01:34:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	3718	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.641	117	2010	25.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	13.568	152	351	25.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	1714	29.329	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 117.320%	
7) Chloroethane-d5	2.905	69	1270	28.709	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	= 114.840%	
11) 1,1-Dichloroethene-d2	4.033	65	807	33.200	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 132.800%#	
21) 2-Butanone-d5	7.063	46	94	8.938	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 17.880%#	
24) Chloroform-d	7.660	84	2514	23.644	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	= 94.560%	
26) 1,2-Dichloroethane-d4	8.307	65	1180	21.342	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 85.360%	
32) Benzene-d6	8.276	84	5377	46.091	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 184.360%#	
36) 1,2-Dichloropropane-d6	9.276	67	1764	51.517	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 206.080%#	
41) Toluene-d8	10.325	98	4020	37.747	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 151.000%#	
43) trans-1,3-Dichloroprop...	10.538	79	68	4.743	ug/L	-0.04
Spiked Amount	25.000	Range	30 - 135	Recovery	= 18.960%#	
47) 2-Hexanone-d5	10.953	63	22	4.988	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	= 9.980%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	556	22.111	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 88.440%	
66) 1,2-Dichlorobenzene-d4	13.848	152	345	29.049	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 116.200%	
Target Compounds						Qvalue
3) Chloromethane	2.222	50	102	1.848	ug/L	# 41
8) Chloroethane	2.985	64	49	1.181	ug/L	# 8
10) 1,1,2-Trichloro-1,2,2-...	3.887	101	48	0.878	ug/L	# 21
12) 1,1-Dichloroethene	4.210	96	46	0.922	ug/L	# 1
13) Acetone	4.137	43	213	13.833	ug/L	# 81
15) Methyl Acetate	4.704	43	95	4.995	ug/L	# 51
19) 1,1-Dichloroethane	6.277	63	91	0.910	ug/L	# 49
20) cis-1,2-Dichloroethene	7.087	96	45	0.784	ug/L	# 67
22) 2-Butanone	7.179	43	45	2.711	ug/L	# 46
27) 1,2-Dichloroethane	8.282	62	79	1.120	ug/L	# 76
29) Cyclohexane	8.002	56	19	0.388	ug/L	# 1
34) Trichloroethene	8.849	95	70	1.924	ug/L	# 5
35) Methylcyclohexane	9.270	83	355	6.199	ug/L	# 32
37) 1,2-Dichloropropane	9.288	63	104	3.184	ug/L	# 86
39) cis-1,3-Dichloropropene	10.044	75	19	0.386	ug/L	# 45
40) 4-Methyl-2-pentanone	10.227	43	44	2.804	ug/L	# 43
42) Toluene	10.550	91	47	0.337	ug/L	# 22
44) trans-1,3-Dichloropropene	10.684	75	42	1.014	ug/L	# 44
45) 1,1,2-Trichloroethane	10.758	97	51	2.160	ug/L	# 16

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Response via : Initial Calibration

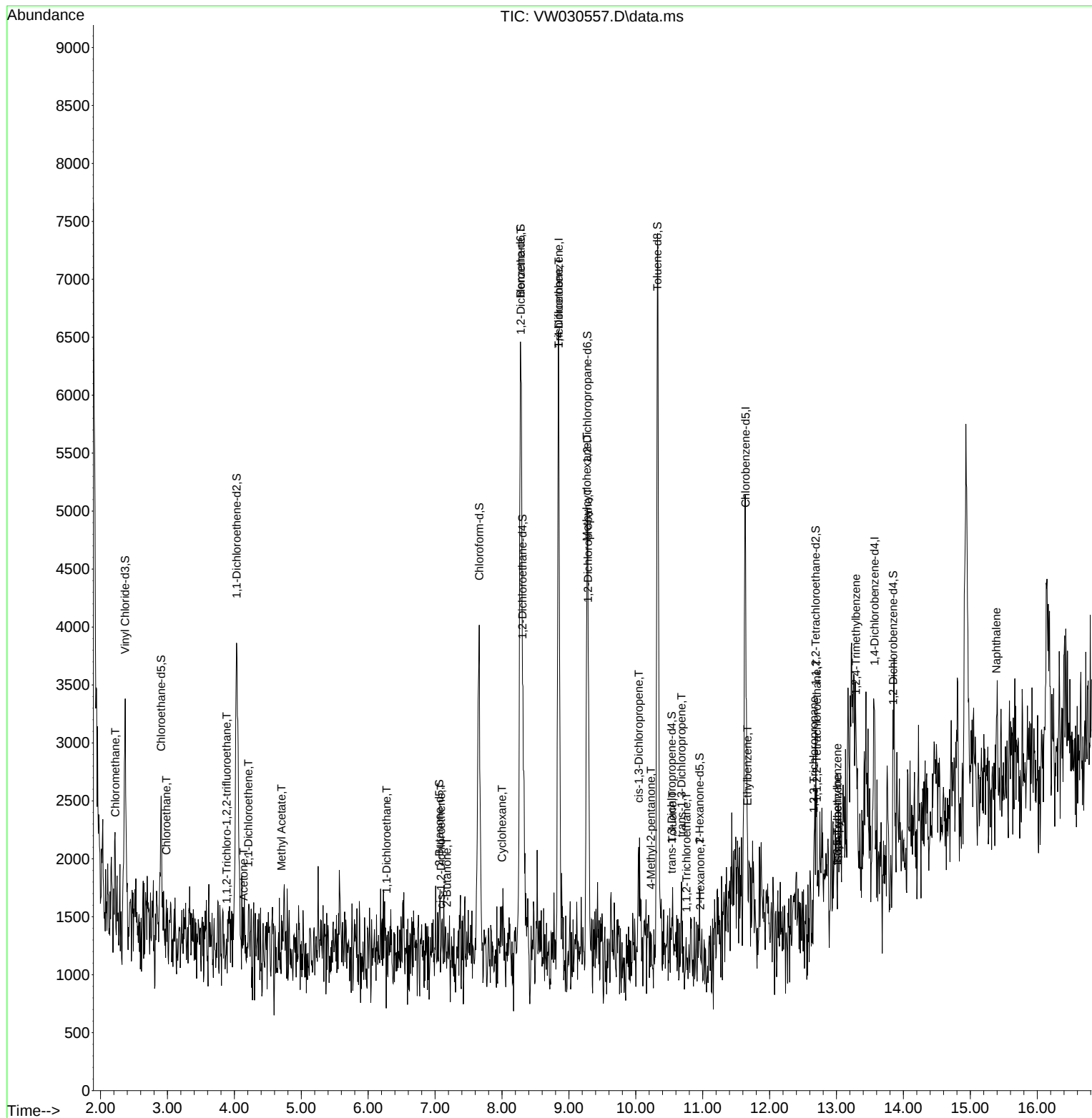
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	10.965	43	62	4.831	ug/L #	37
52) Ethylbenzene	11.672	91	59	0.371	ug/L #	45
57) 1,1,2,2-Tetrachloroethane	12.708	83	176	6.610	ug/L #	27
60) Isopropylbenzene	13.013	105	19	0.350	ug/L #	1
61) 1,2,3-Trichloropropane	12.660	75	55	8.053	ug/L #	6
62) 1,3,5-Trimethylbenzene	13.013	105	19	0.443	ug/L #	29
63) 1,2,4-Trimethylbenzene	13.294	105	43	1.024	ug/L #	31
71) Naphthalene	15.391	128	61	2.811	ug/L #	1

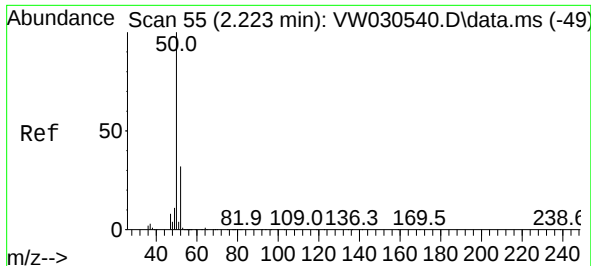
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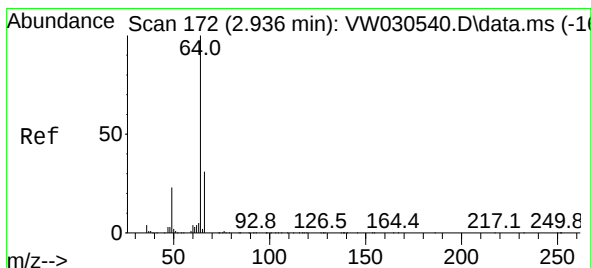
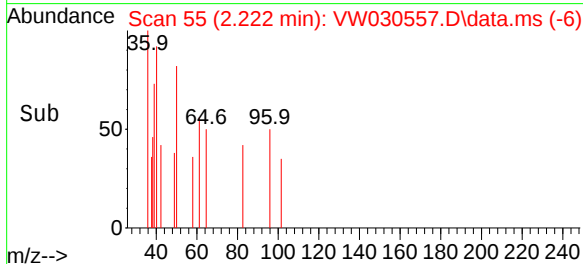
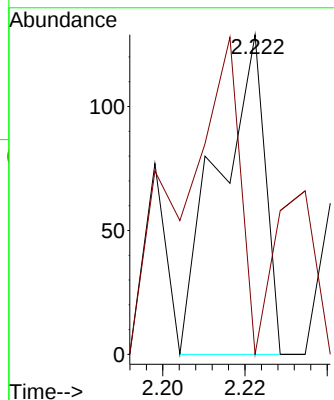
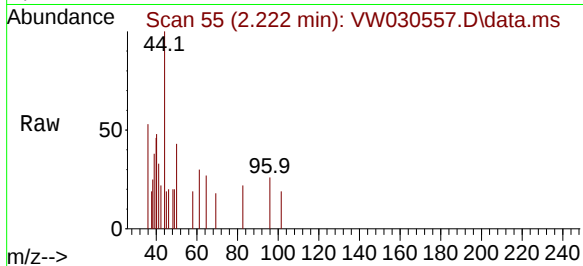




#3
Chloromethane
Concen: 1.848 ug/L
RT: 2.222 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

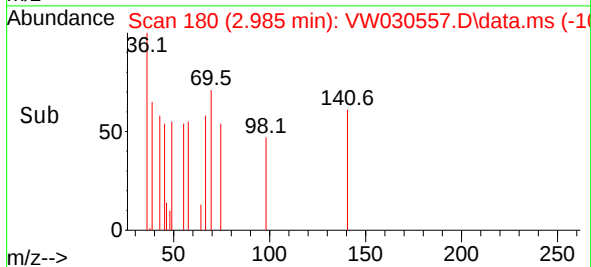
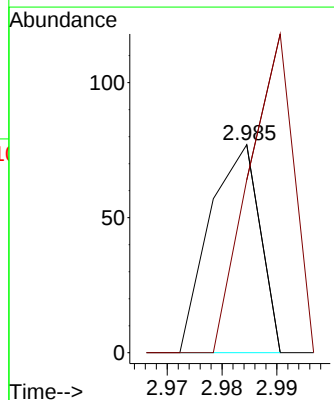
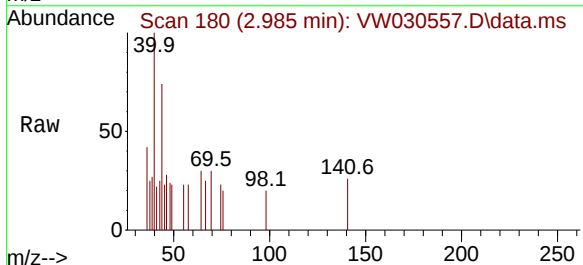
Instrument :
MSVOA_W
ClientSampleId :

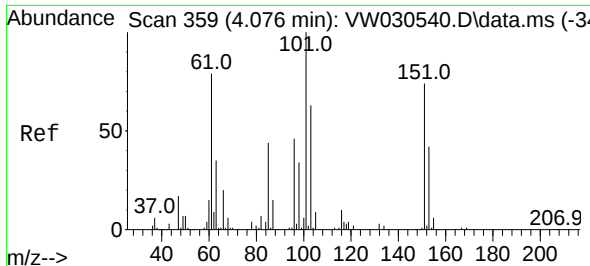
Tgt Ion: 50 Resp: 102
Ion Ratio Lower Upper
50 100
52 0.0 23.7 43.9#



#8
Chloroethane
Concen: 1.181 ug/L
RT: 2.985 min Scan# 180
Delta R.T. 0.049 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 83.1 22.3 41.5#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.878 ug/L

RT: 3.887 min Scan# 31

Delta R.T. -0.189 min

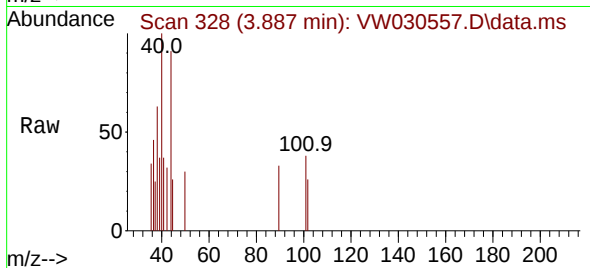
Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Instrument :

MSVOA_W

ClientSampleId :



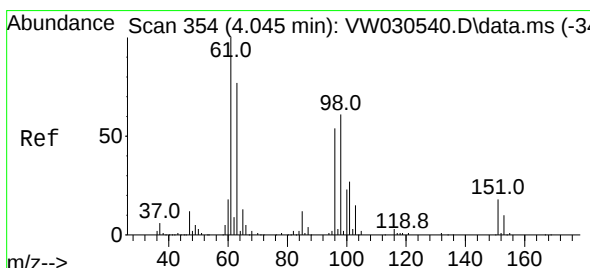
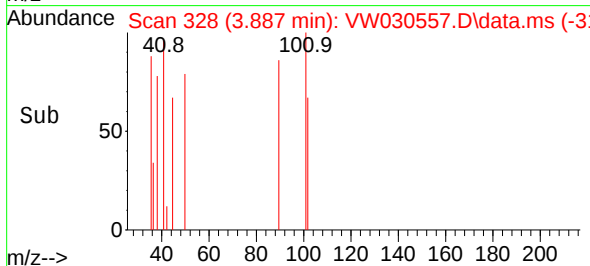
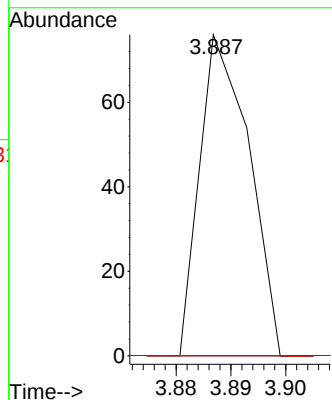
Tgt Ion:101 Resp: 48

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 0.922 ug/L

RT: 4.210 min Scan# 381

Delta R.T. 0.165 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

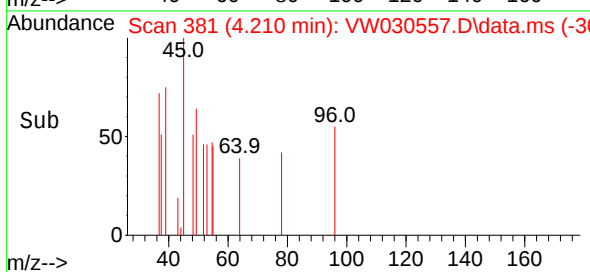
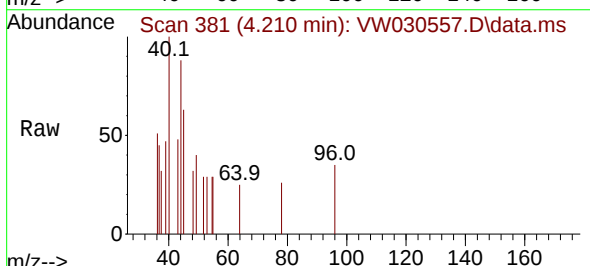
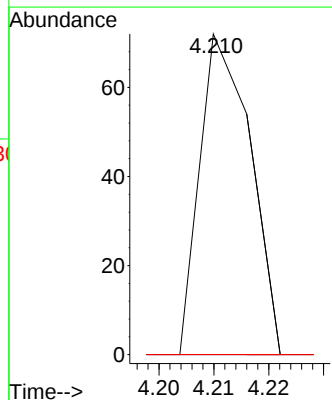
Tgt Ion: 96 Resp: 46

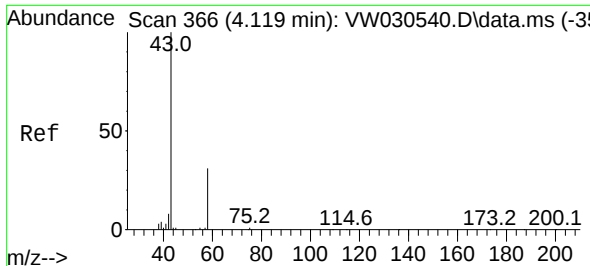
Ion Ratio Lower Upper

96 100

61 0.0 121.3 225.3#

63 0.0 87.6 162.8#

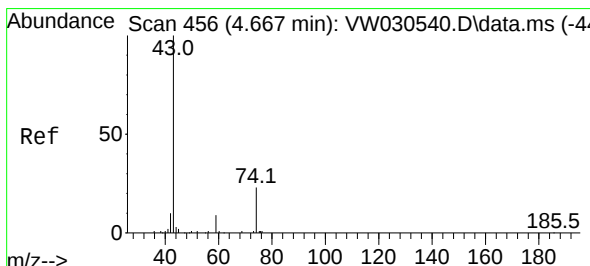
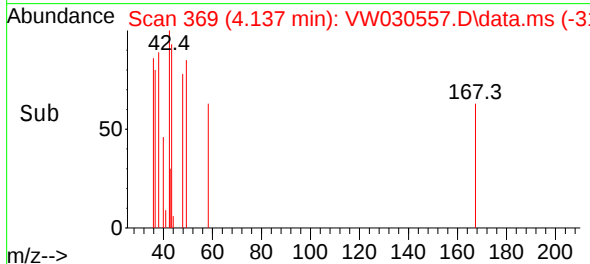
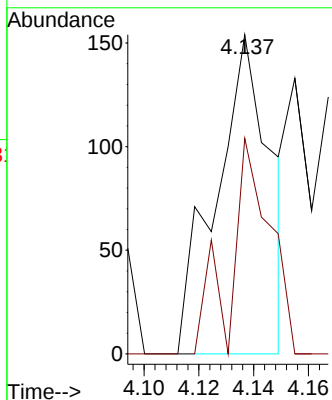
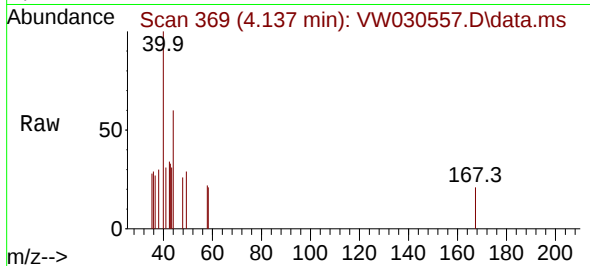




#13
Acetone
Concen: 13.833 ug/L
RT: 4.137 min Scan# 369
Delta R.T. 0.018 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

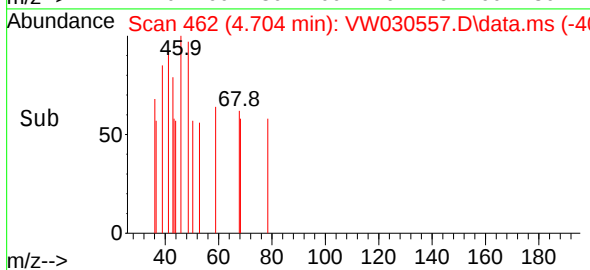
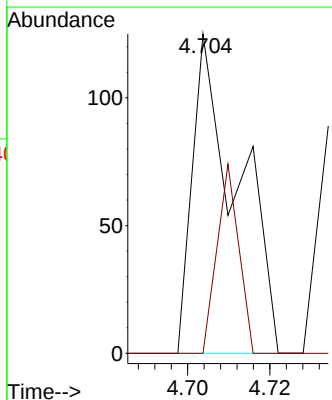
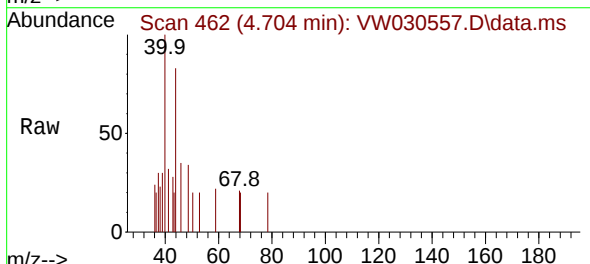
Instrument :
MSVOA_W
ClientSampleId :

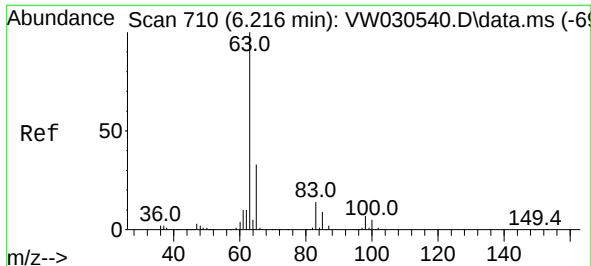
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
58 39.0 0.0 57.6



#15
Methyl Acetate
Concen: 4.995 ug/L
RT: 4.704 min Scan# 462
Delta R.T. 0.037 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

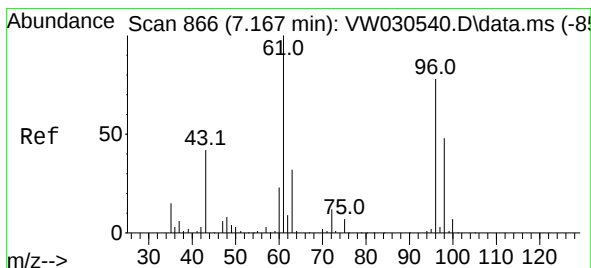
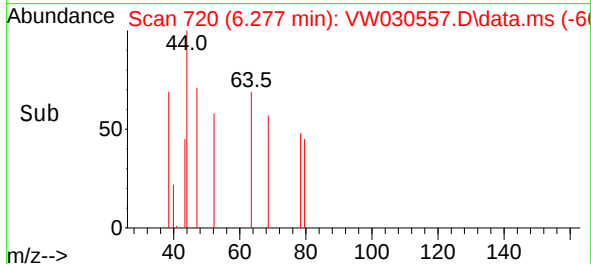
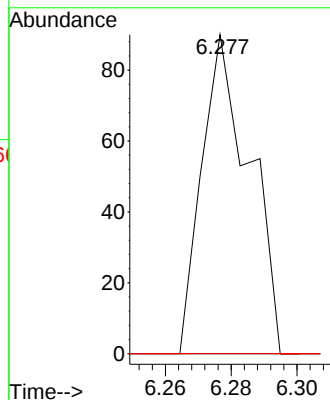
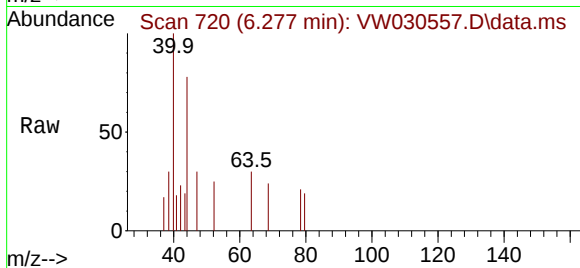




#19
1,1-Dichloroethane
Concen: 0.910 ug/L
RT: 6.277 min Scan# 710
Delta R.T. 0.061 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

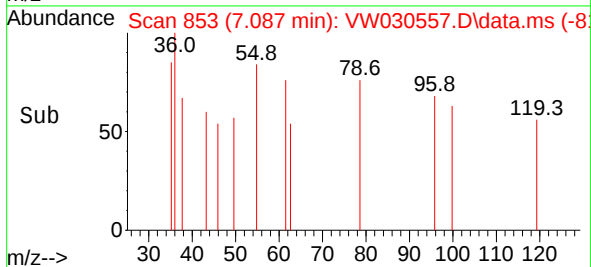
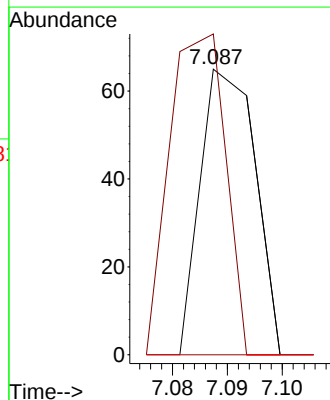
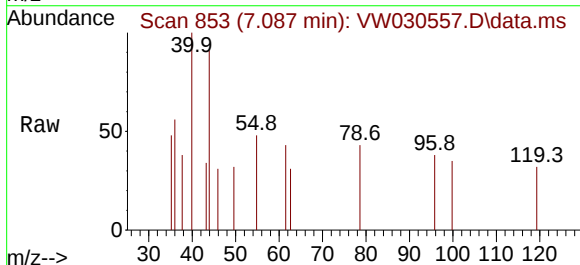
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MSVOA_W
ClientSampleId :

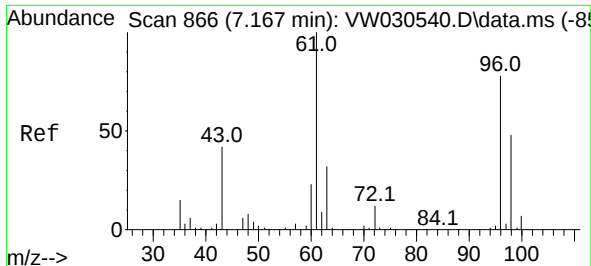
Tgt Ion: 63 Resp: 91
Ion Ratio Lower Upper
63 100
65 0.0 22.5 41.9#
83 0.0 9.8 18.2#



#20
cis-1,2-Dichloroethene
Concen: 0.784 ug/L
RT: 7.087 min Scan# 853
Delta R.T. -0.079 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

Tgt Ion: 96 Resp: 45
Ion Ratio Lower Upper
96 100
61 112.3 88.3 163.9
98 0.0 41.3 76.7#





#22

2-Butanone

Concen: 2.711 ug/L

RT: 7.179 min Scan# 8

Delta R.T. 0.012 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Instrument :

MSVOA_W

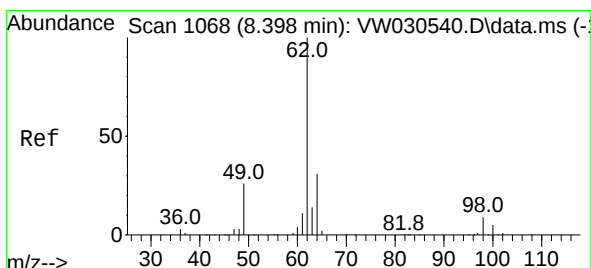
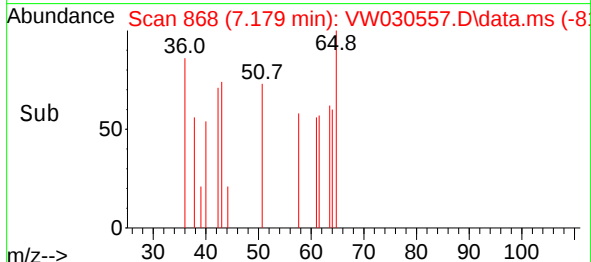
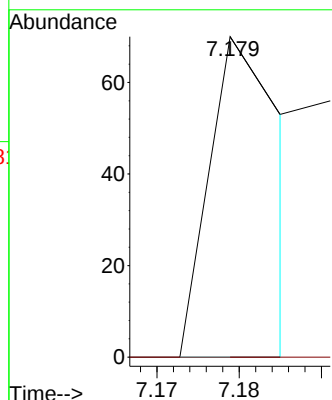
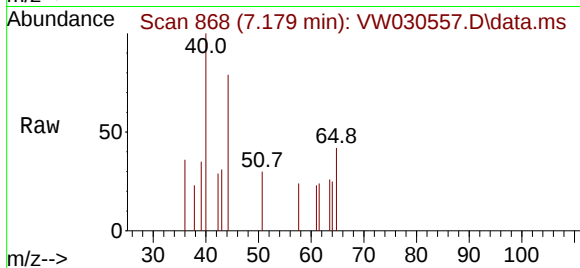
ClientSampleId :

Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

72 0.0 14.4 43.0#



#27

1,2-Dichloroethane

Concen: 1.120 ug/L

RT: 8.282 min Scan# 1049

Delta R.T. -0.116 min

Lab File: VW030557.D

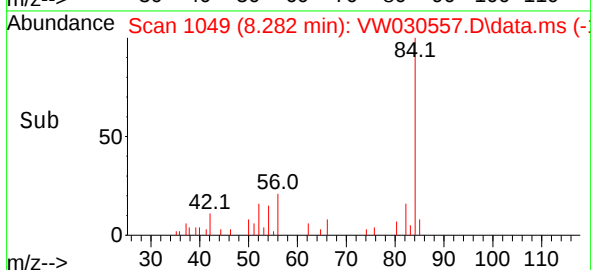
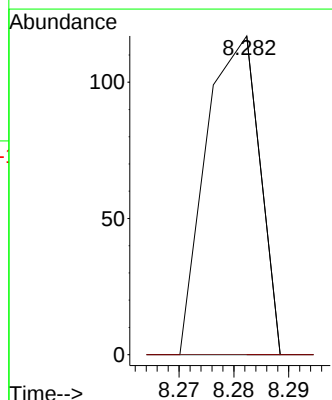
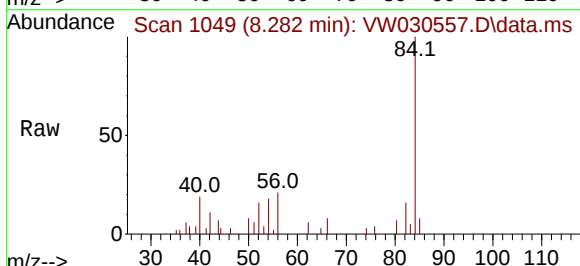
Acq: 11 Oct 2024 18:26

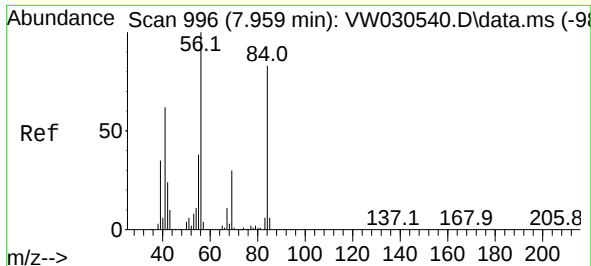
Tgt Ion: 62 Resp: 79

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#





#29

Cyclohexane

Concen: 0.388 ug/L

RT: 8.002 min Scan# 1100

Delta R.T. 0.043 min

Lab File: VW030557.D

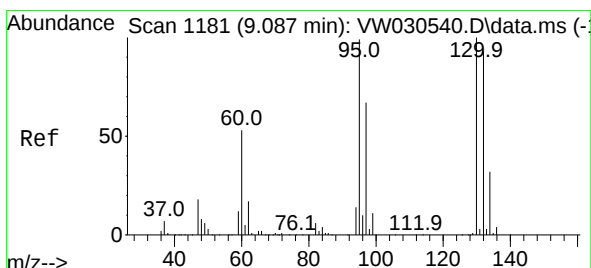
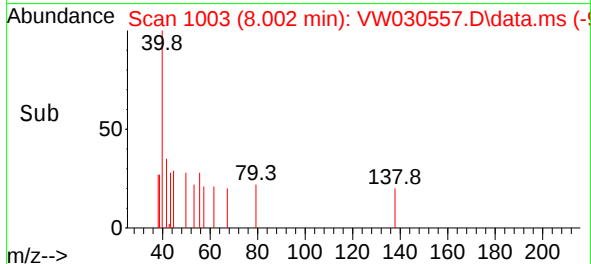
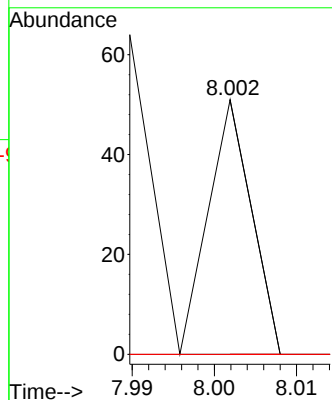
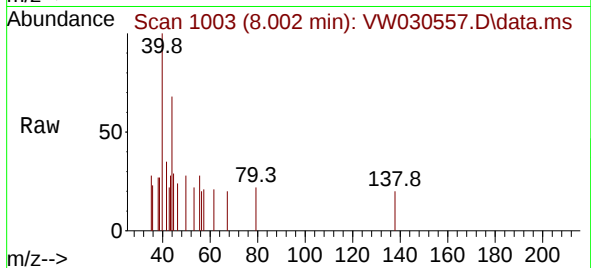
Acq: 11 Oct 2024 18:26

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 56	Resp: 19
Ion Ratio	Lower Upper
56	100
69	236.8 25.4 38.0#
84	0.0 72.3 108.5#



#34

Trichloroethene

Concen: 1.924 ug/L

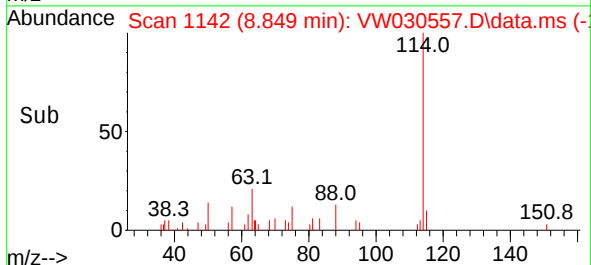
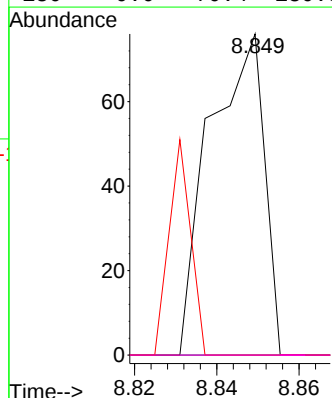
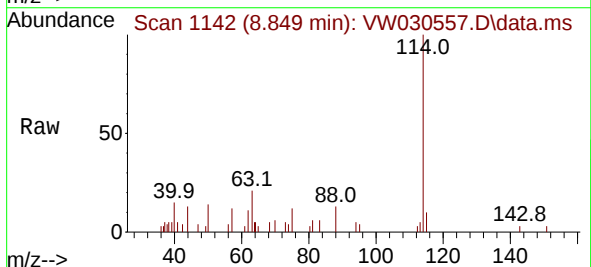
RT: 8.849 min Scan# 1142

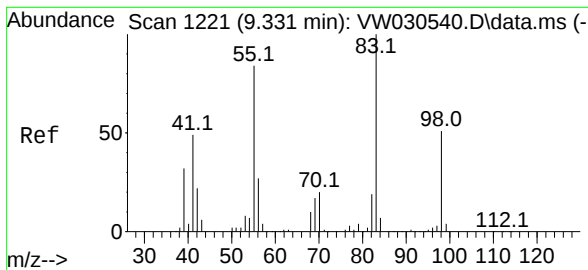
Delta R.T. -0.238 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Tgt Ion: 95	Resp: 70
Ion Ratio	Lower Upper
95	100
97	0.0 45.9 85.3#
132	0.0 66.4 123.2#
130	0.0 70.4 130.8#





#35

Methylcyclohexane

Concen: 6.199 ug/L

RT: 9.270 min Scan# 1211

Delta R.T. -0.061 min

Lab File: VW030557.D

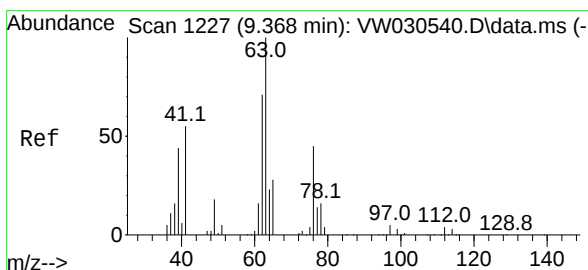
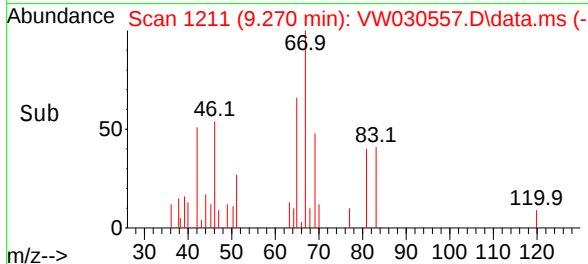
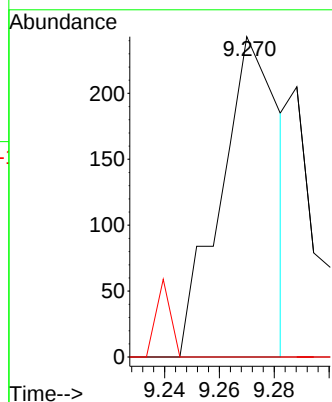
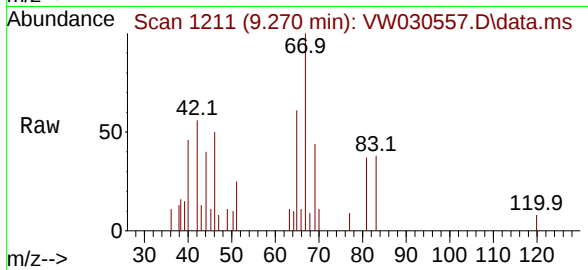
Acq: 11 Oct 2024 18:26

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp:	355
Ion Ratio	Lower	Upper
83	100	
55	21.1	61.8 92.8#
98	0.0	39.3 58.9#



#37

1,2-Dichloropropane

Concen: 3.184 ug/L

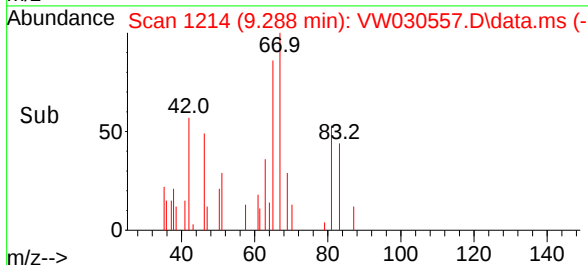
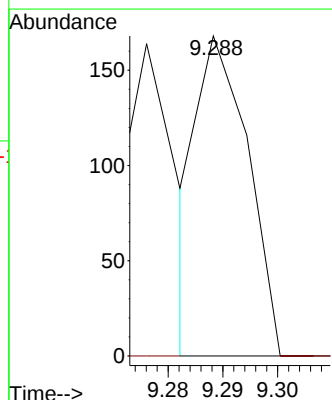
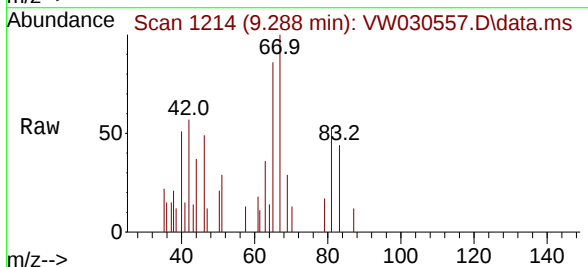
RT: 9.288 min Scan# 1214

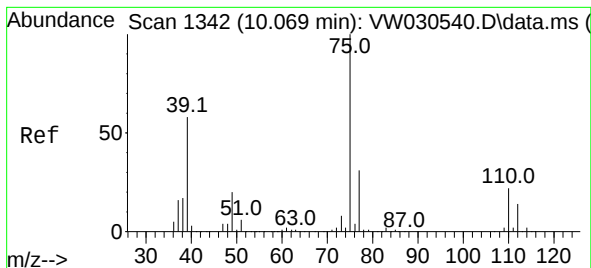
Delta R.T. -0.079 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Tgt Ion: 63	Resp:	104
Ion Ratio	Lower	Upper
63	100	
112	0.0	3.7 5.5#

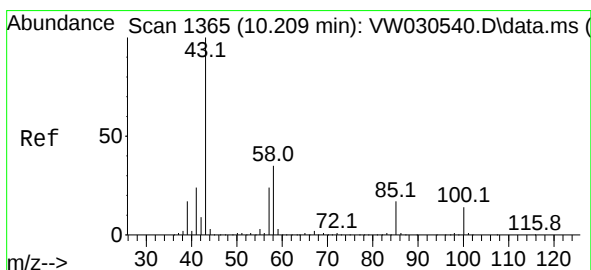
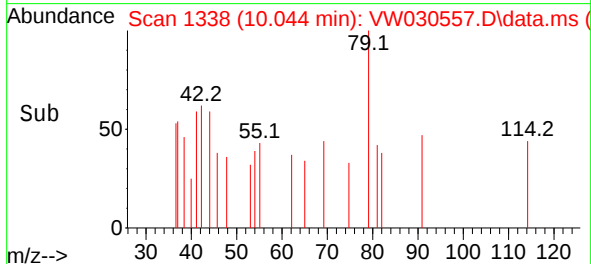
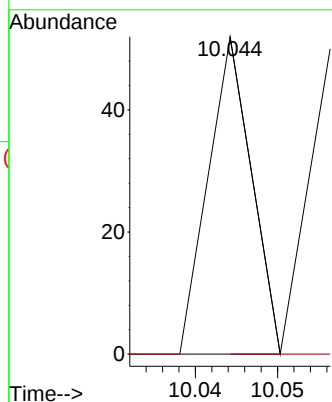
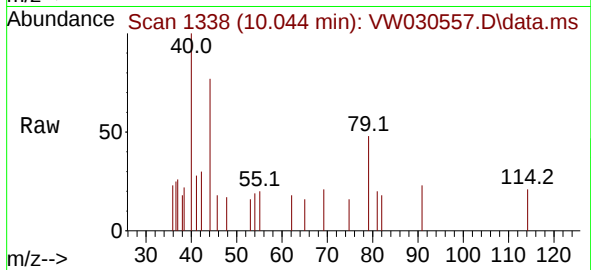




#39
 cis-1,3-Dichloropropene
 Concen: 0.386 ug/L
 RT: 10.044 min Scan# 1338
 Delta R.T. -0.024 min
 Lab File: VW030557.D
 Acq: 11 Oct 2024 18:26

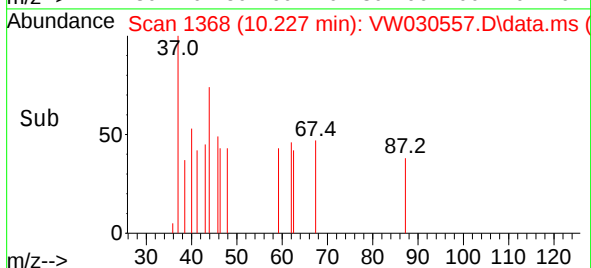
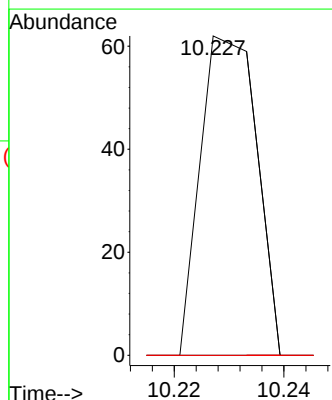
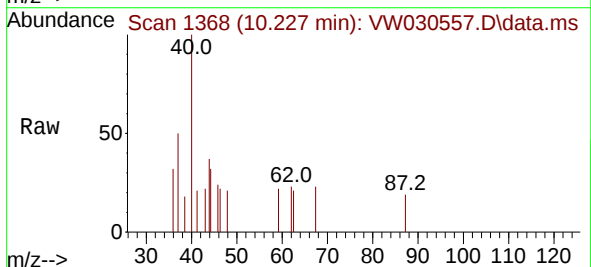
Instrument :
 MSVOA_W
 ClientSampleId :

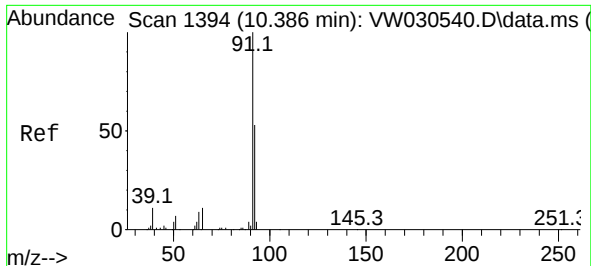
Tgt Ion: 75 Resp: 19
 Ion Ratio Lower Upper
 75 100
 77 0.0 21.1 39.1#



#40
 4-Methyl-2-pentanone
 Concen: 2.804 ug/L
 RT: 10.227 min Scan# 1368
 Delta R.T. 0.018 min
 Lab File: VW030557.D
 Acq: 11 Oct 2024 18:26

Tgt Ion: 43 Resp: 44
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.4 47.2#
 100 0.0 13.1 19.7#





#42

Toluene

Concen: 0.337 ug/L

RT: 10.550 min Scan# 1421

Delta R.T. 0.165 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Instrument :

MSVOA_W

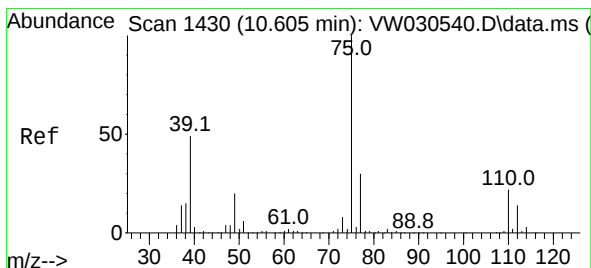
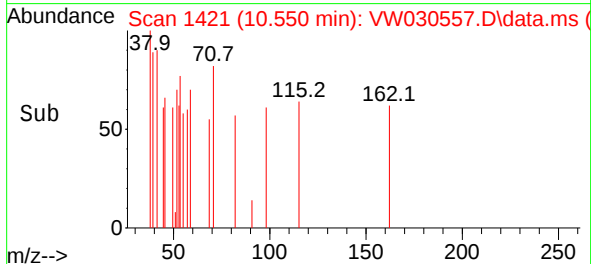
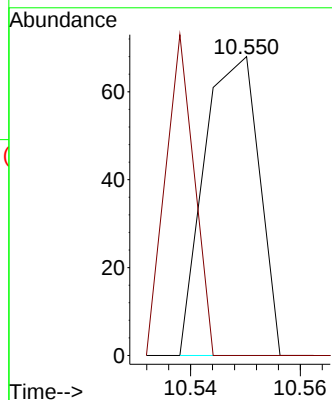
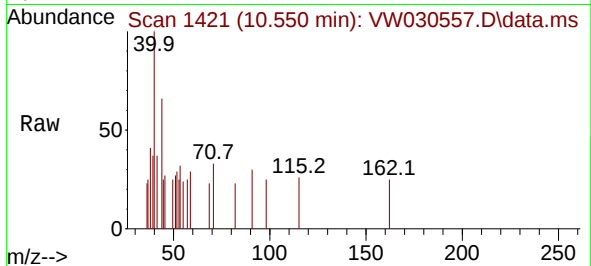
ClientSampleId :

Tgt Ion: 91 Resp: 47

Ion Ratio Lower Upper

91 100

92 0.0 40.3 74.8#



#44

trans-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 10.684 min Scan# 1443

Delta R.T. 0.079 min

Lab File: VW030557.D

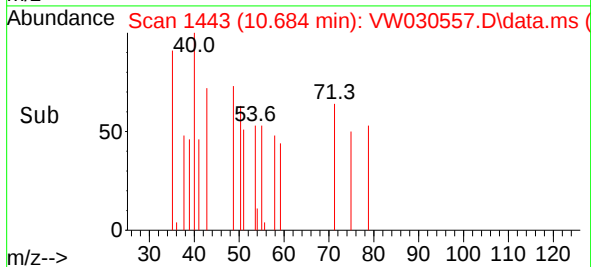
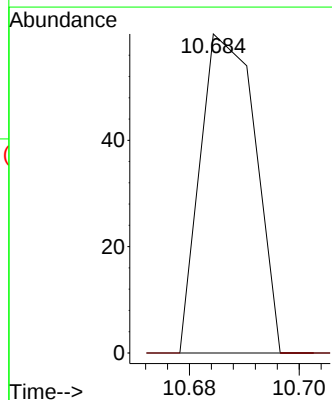
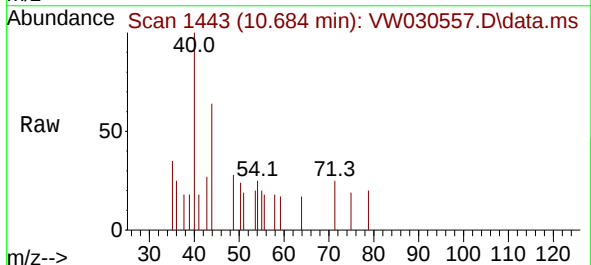
Acq: 11 Oct 2024 18:26

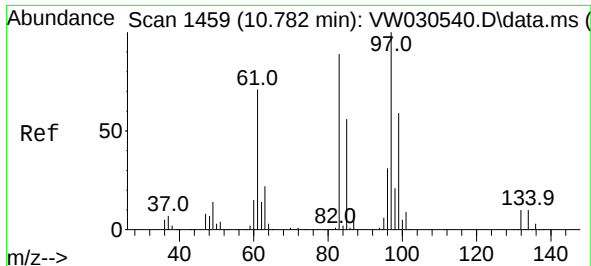
Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

77 0.0 21.6 40.2#





#45

1,1,2-Trichloroethane

Concen: 2.160 ug/L

RT: 10.758 min Scan# 1455

Delta R.T. -0.024 min

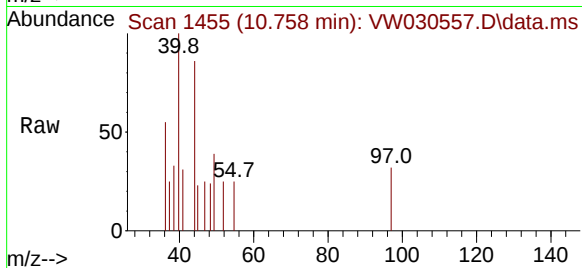
Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

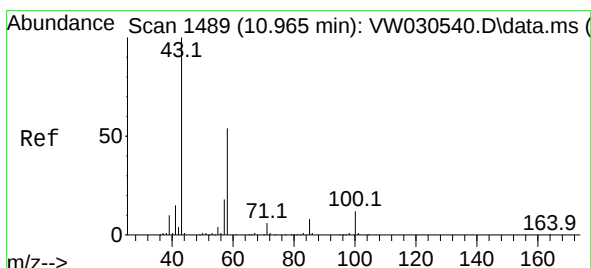
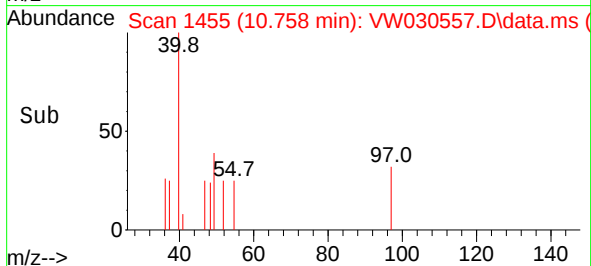
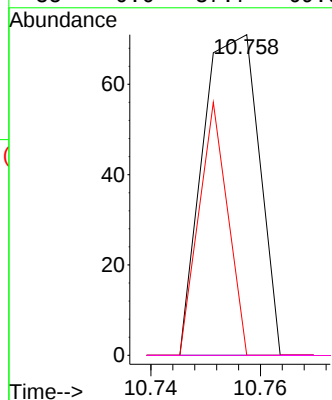
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97	Resp: 51
Ion Ratio	Lower Upper
97	100
99	0.0 41.2 76.6#
83	0.0 59.6 110.6#
85	0.0 37.7 69.9#



#48

2-Hexanone

Concen: 4.831 ug/L

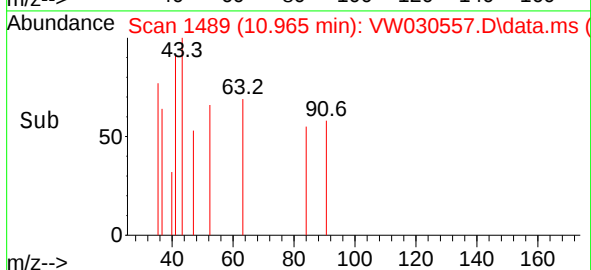
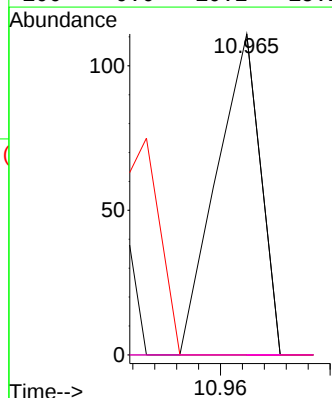
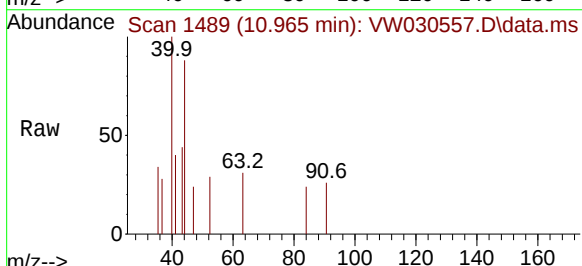
RT: 10.965 min Scan# 1489

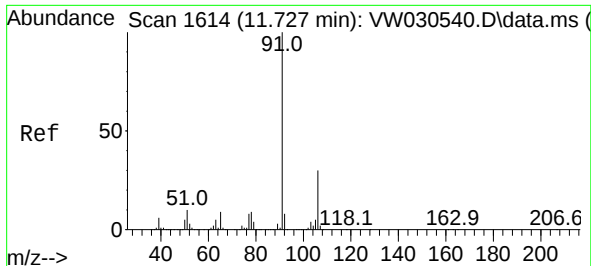
Delta R.T. -0.000 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Tgt Ion: 43	Resp: 62
Ion Ratio	Lower Upper
43	100
58	0.0 44.6 67.0#
57	0.0 15.8 23.8#
100	0.0 10.2 15.2#





#52

Ethylbenzene

Concen: 0.371 ug/L

RT: 11.672 min Scan# 1

Delta R.T. -0.055 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Instrument :

MSVOA_W

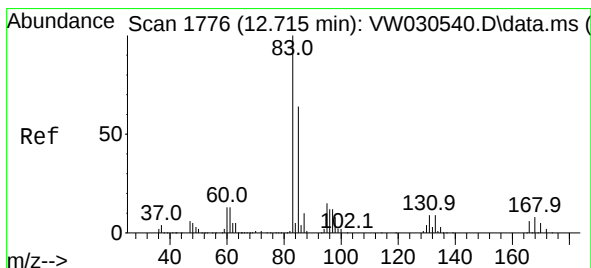
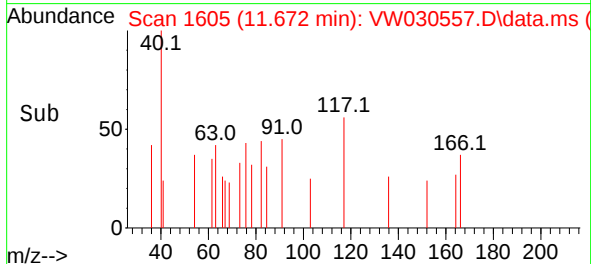
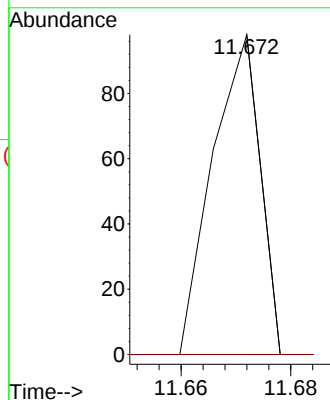
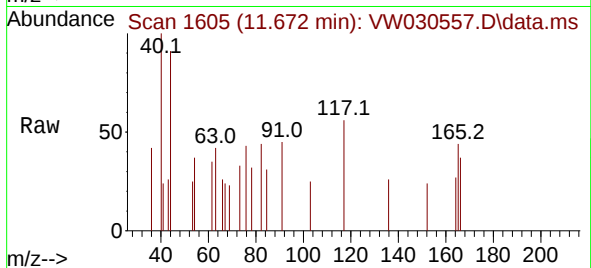
ClientSampleId :

Tgt Ion: 91 Resp: 59

Ion Ratio Lower Upper

91 100

106 0.0 21.1 39.1#



#57

1,1,2,2-Tetrachloroethane

Concen: 6.610 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

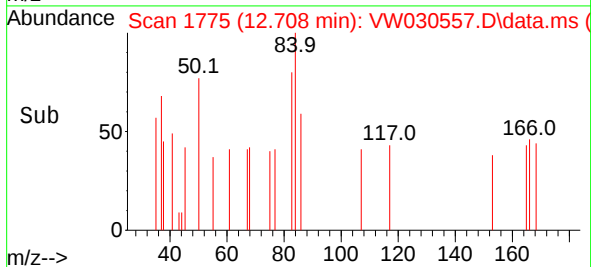
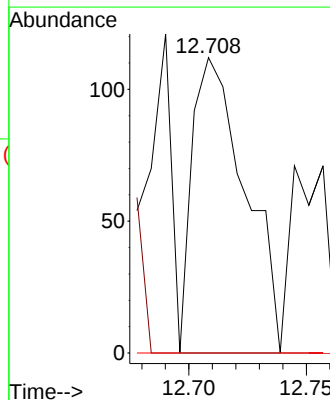
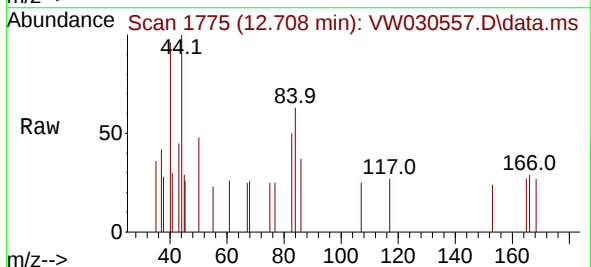
Tgt Ion: 83 Resp: 176

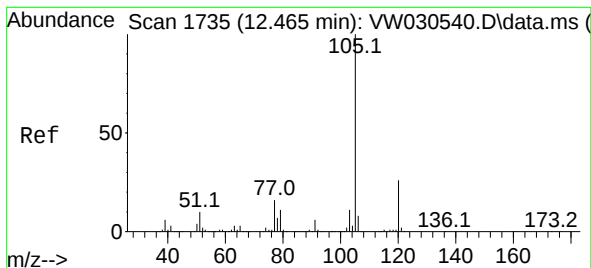
Ion Ratio Lower Upper

83 100

85 0.0 42.6 79.2#

131 0.0 7.4 11.0#





#60

Isopropylbenzene

Concen: 0.350 ug/L

RT: 13.013 min Scan# 11

Delta R.T. 0.549 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

Instrument :

MSVOA_W

ClientSampleId :

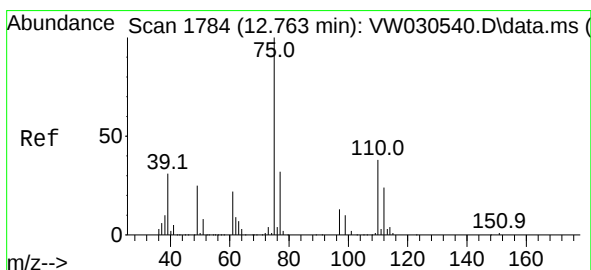
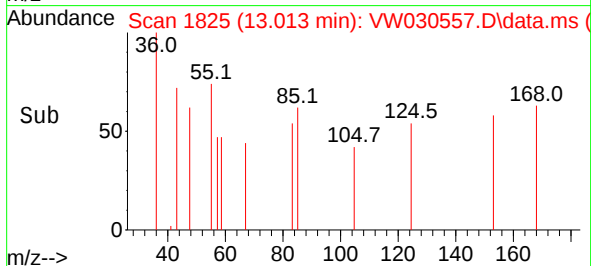
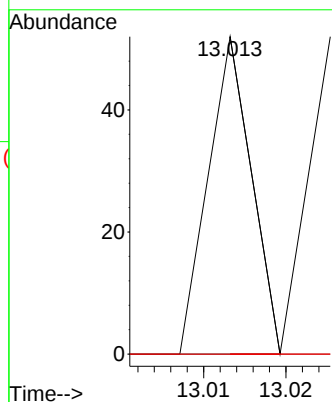
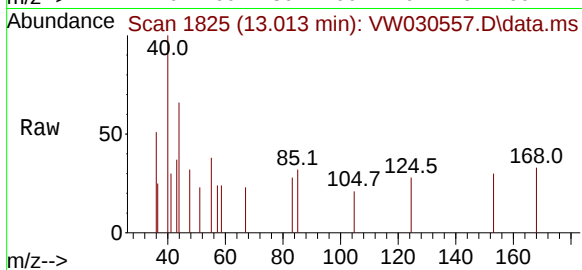
Tgt Ion:105 Resp: 19

Ion Ratio Lower Upper

105 100

120 0.0 20.6 31.0#

77 105.3 13.4 20.0#



#61

1,2,3-Trichloropropane

Concen: 8.053 ug/L

RT: 12.660 min Scan# 1767

Delta R.T. -0.104 min

Lab File: VW030557.D

Acq: 11 Oct 2024 18:26

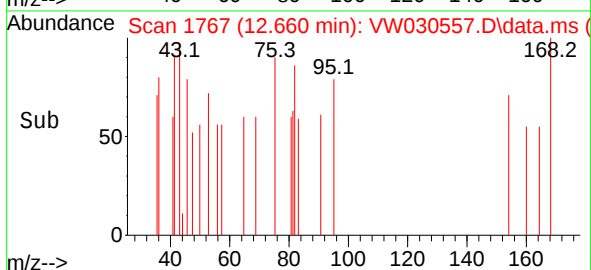
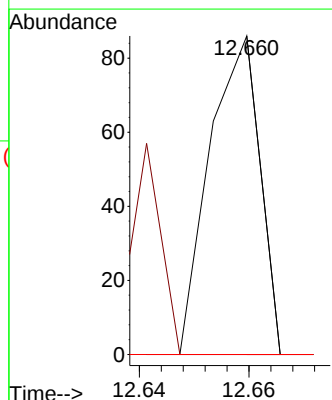
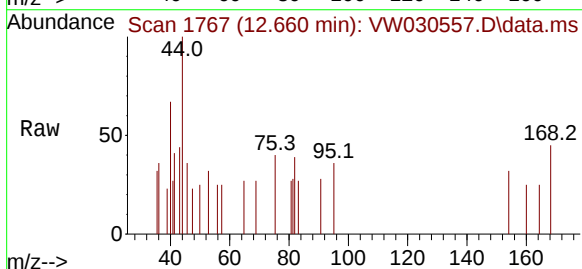
Tgt Ion: 75 Resp: 55

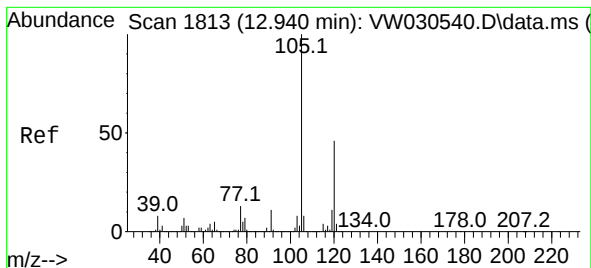
Ion Ratio Lower Upper

75 100

77 105.5 25.7 38.5#

110 0.0 32.3 48.5#

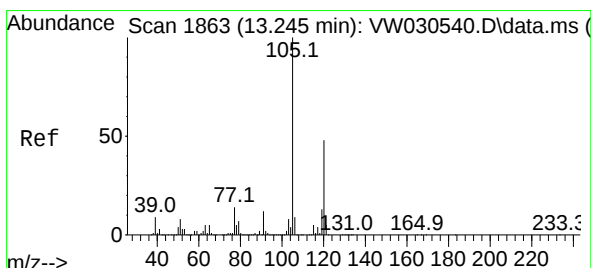
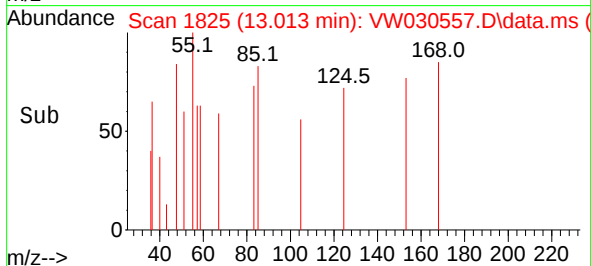
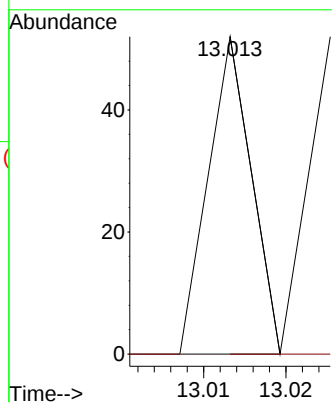
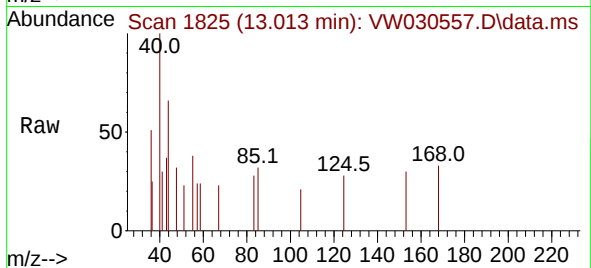




#62
1,3,5-Trimethylbenzene
Concen: 0.443 ug/L
RT: 13.013 min Scan# 1825
Delta R.T. 0.073 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

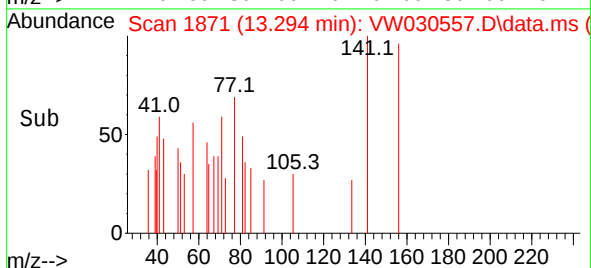
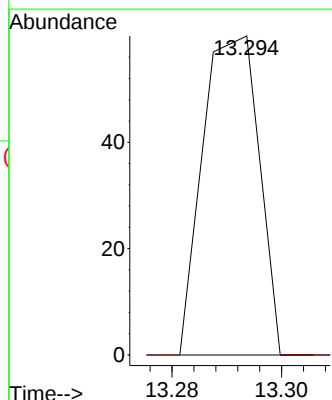
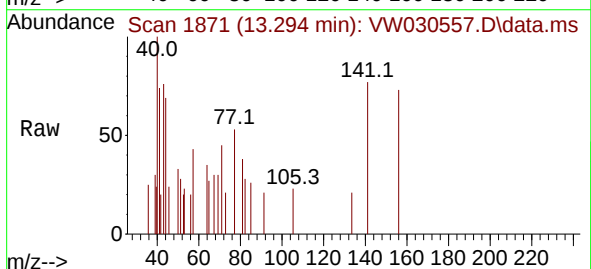
Instrument :
MSVOA_W
ClientSampleId :

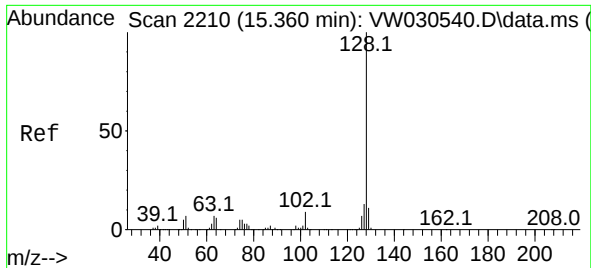
Tgt Ion:105 Resp: 19
Ion Ratio Lower Upper
105 100
120 0.0 38.0 57.0#



#63
1,2,4-Trimethylbenzene
Concen: 1.024 ug/L
RT: 13.294 min Scan# 1871
Delta R.T. 0.049 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

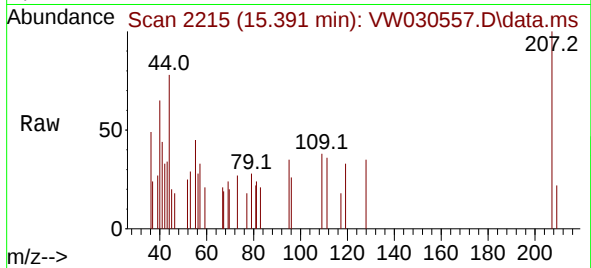
Tgt Ion:105 Resp: 43
Ion Ratio Lower Upper
105 100
120 0.0 35.8 53.6#





#71
Naphthalene
Concen: 2.811 ug/L
RT: 15.391 min Scan# 21
Delta R.T. 0.030 min
Lab File: VW030557.D
Acq: 11 Oct 2024 18:26

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 61
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 88.5 8.8 13.2#

