

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101724\
 Data File : VW030649.D
 Acq On : 17 Oct 2024 19:23
 Operator : SY/MD
 Sample : P4414-20
 Misc : 5.08g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 18 01:44:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 18 01:38:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	4059	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.623	117	4023	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	1442	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.350	65	675	10.580	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	42.320%
7) Chloroethane-d5	2.905	69	837	17.331	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.320%
11) 1,1-Dichloroethene-d2	4.027	65	327	12.323	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.280%
21) 2-Butanone-d5	7.063	46	68	5.922	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.840%#
24) Chloroform-d	7.648	84	2876	24.776	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.120%
26) 1,2-Dichloroethane-d4	8.362	65	64	1.060	ug/L	0.05
Spiked Amount	25.000	Range	70 - 130	Recovery	=	4.240%#
32) Benzene-d6	8.276	84	3327	14.249	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	57.000%
36) 1,2-Dichloropropane-d6	9.264	67	1611	23.507	ug/L	-0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.040%
41) Toluene-d8	10.325	98	2369	11.114	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	44.440%
43) trans-1,3-Dichloroprop...	10.593	79	246	8.572	ug/L	0.02
Spiked Amount	25.000	Range				

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Quant Title : SFAM01.0
QLast Update : Fri Oct 18 01:38:16 2024
Response via : Initial Calibration

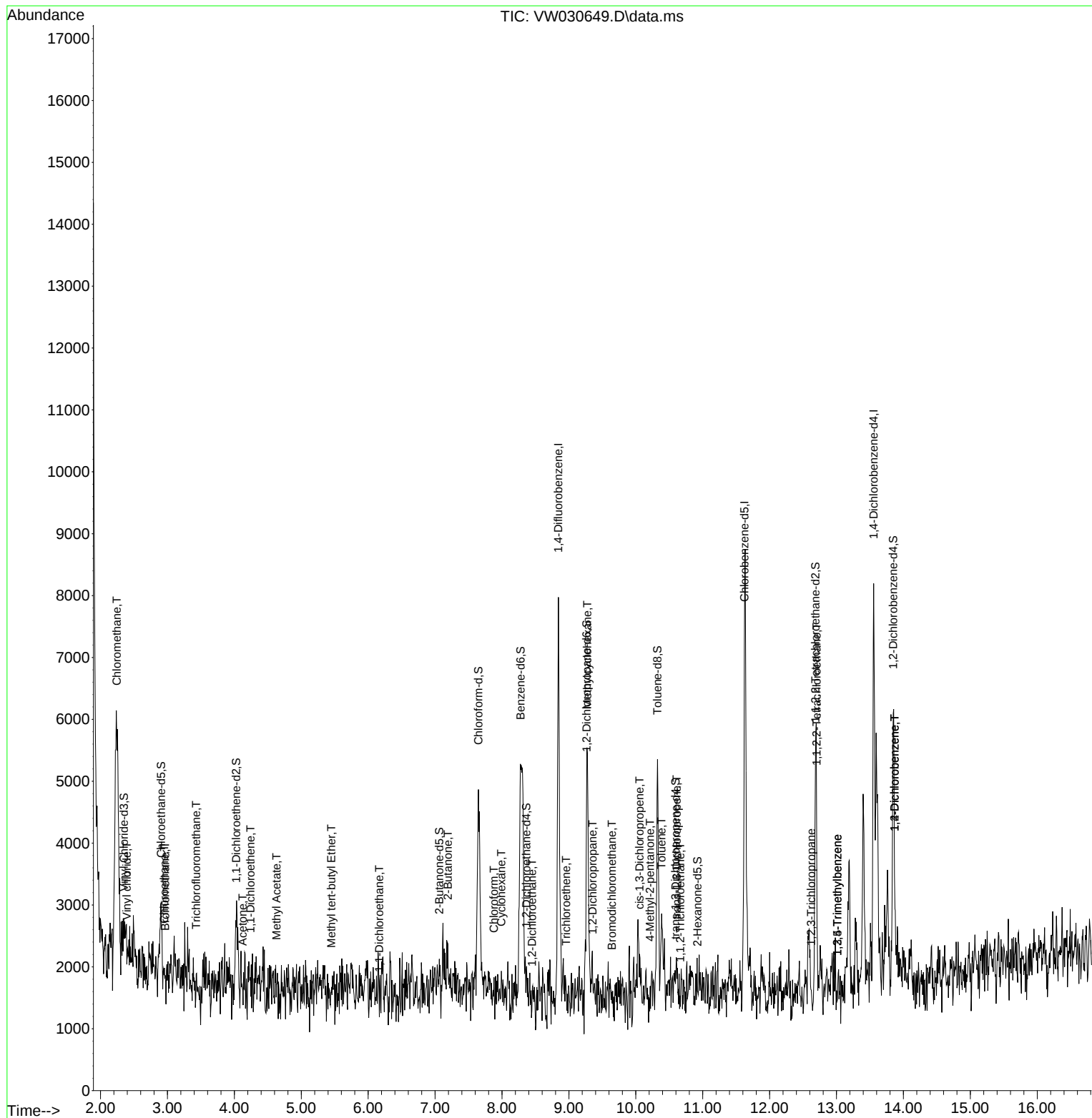
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 4-Methyl-2-pentanone	10.215	43	112	3.566	ug/L #	43
42) Toluene	10.386	91	572	2.048	ug/L	97
44) trans-1,3-Dichloropropene	10.611	75	84	1.014	ug/L #	44
45) 1,1,2-Trichloroethane	10.666	97	40	0.846	ug/L #	16
57) 1,1,2,2-Tetrachloroethane	12.702	83	77	1.445	ug/L #	29
61) 1,2,3-Trichloropropane	12.623	75	46	1.639	ug/L #	13
62) 1,3,5-Trimethylbenzene	13.013	105	67	0.380	ug/L #	29
63) 1,2,4-Trimethylbenzene	13.013	105	67	0.388	ug/L #	31
65) 1,4-Dichlorobenzene	13.867	146	46	0.458	ug/L #	28
67) 1,2-Dichlorobenzene	13.867	146	46	0.538	ug/L #	23

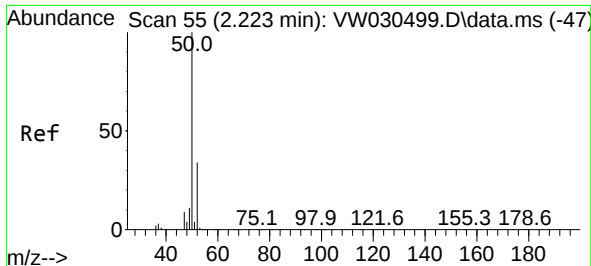
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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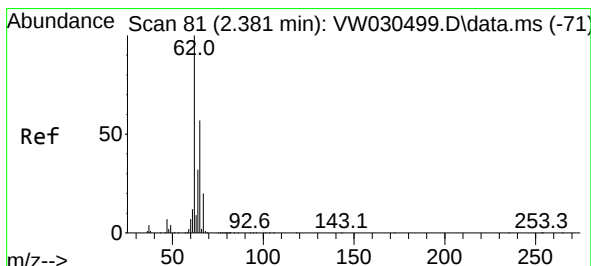
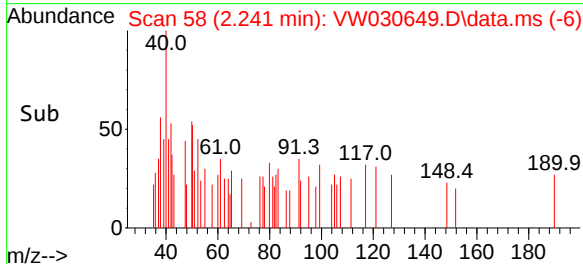
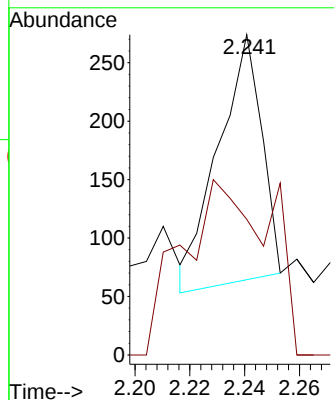
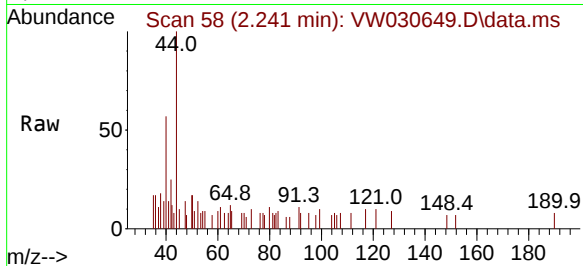




#3
Chloromethane
Concen: 3.866 ug/L
RT: 2.241 min Scan# 51
Delta R.T. 0.018 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

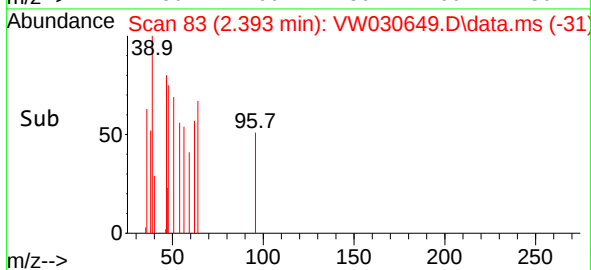
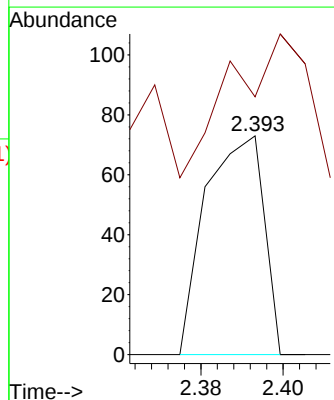
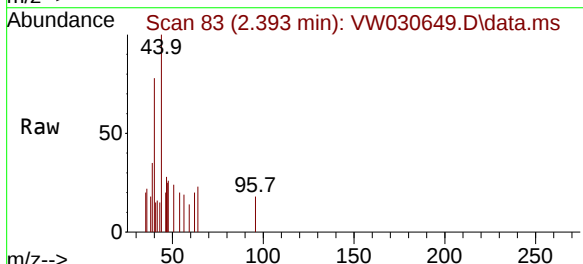
Instrument :
MSVOA_W
ClientSampleId :

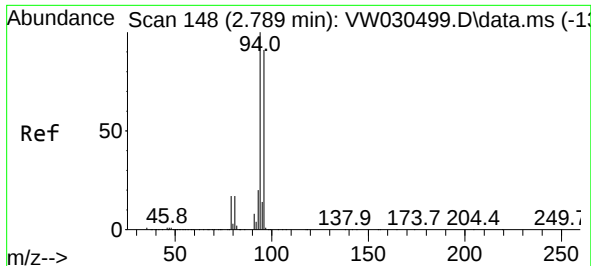
Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 42.3 23.7 43.9



#5
Vinyl chloride
Concen: 0.971 ug/L
RT: 2.393 min Scan# 83
Delta R.T. 0.018 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

Tgt Ion: 62 Resp: 72
Ion Ratio Lower Upper
62 100
64 117.8 22.6 42.0#

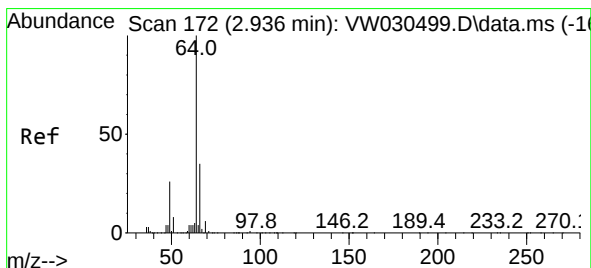
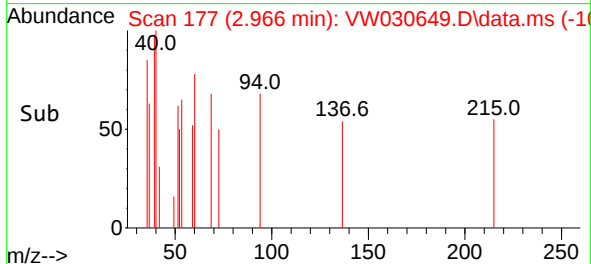
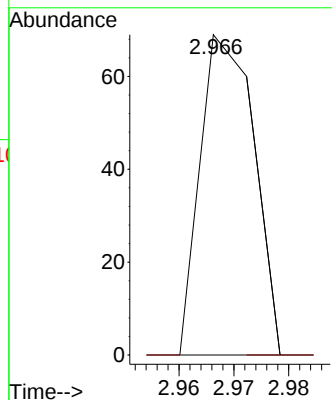
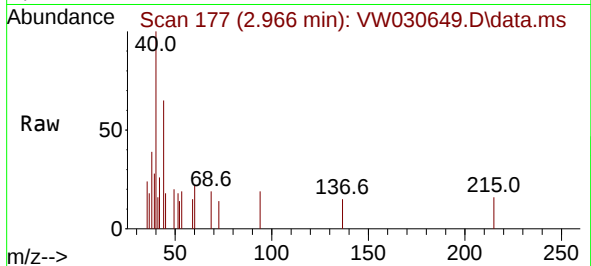




#6
Bromomethane
Concen: 0.963 ug/L
RT: 2.966 min Scan# 11
Delta R.T. 0.171 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

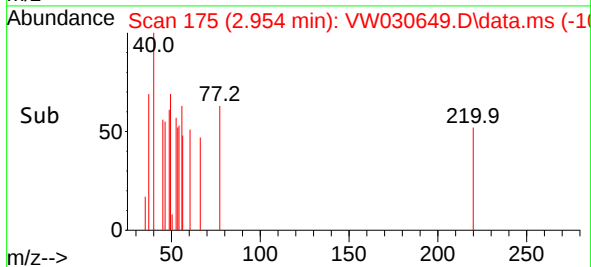
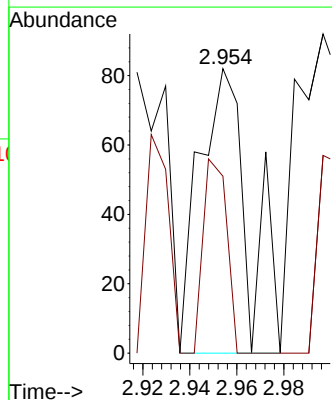
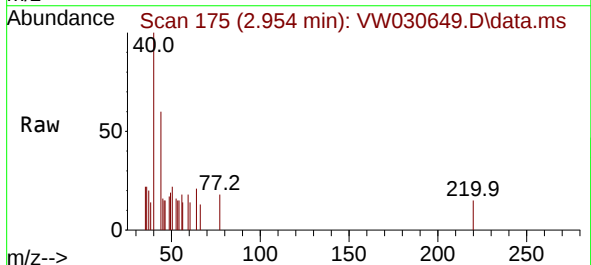
Instrument :
MSVOA_W
ClientSampleId :

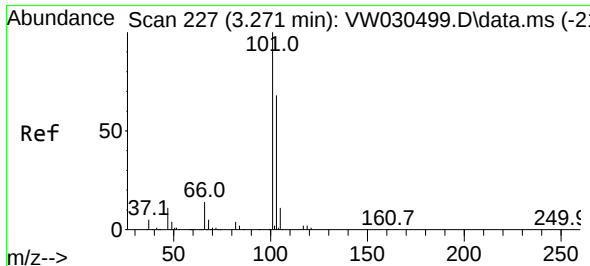
Tgt Ion: 94 Resp: 47
Ion Ratio Lower Upper
94 100
96 0.0 62.6 116.2#



#8
Chloroethane
Concen: 2.648 ug/L
RT: 2.954 min Scan# 175
Delta R.T. 0.012 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 62.2 22.3 41.5#

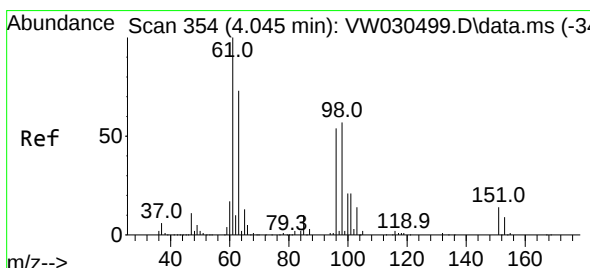
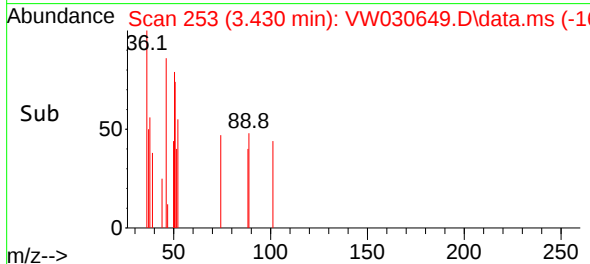
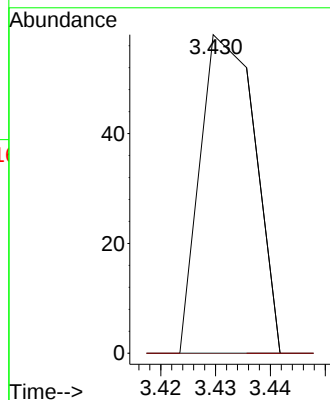
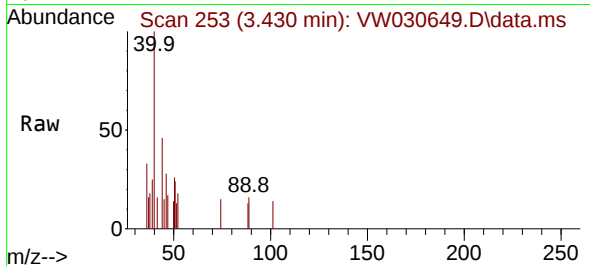




#9
 Trichlorofluoromethane
 Concen: 0.603 ug/L
 RT: 3.430 min Scan# 21
 Delta R.T. 0.159 min
 Lab File: VW030649.D
 Acq: 17 Oct 2024 19:23

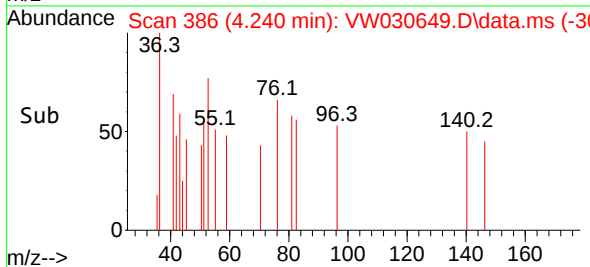
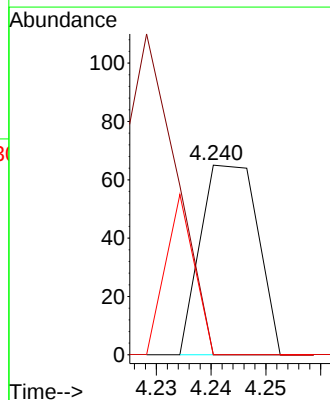
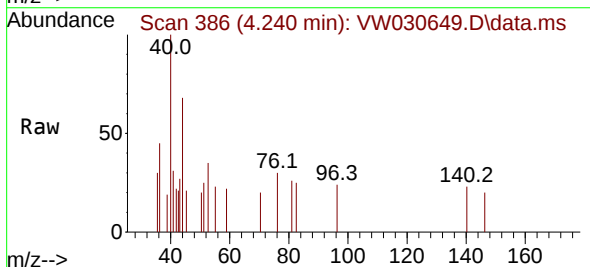
Instrument :
 MSVOA_W
 ClientSampleId :

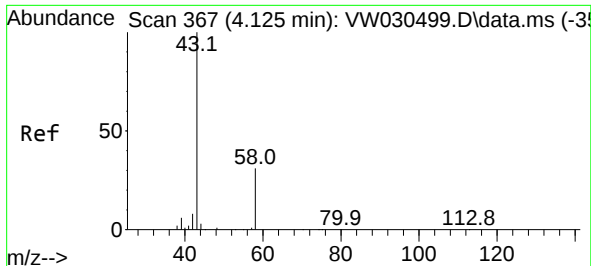
Tgt Ion:101 Resp: 40
 Ion Ratio Lower Upper
 101 100
 103 0.0 51.1 76.7#



#12
 1,1-Dichloroethene
 Concen: 0.863 ug/L
 RT: 4.240 min Scan# 386
 Delta R.T. 0.195 min
 Lab File: VW030649.D
 Acq: 17 Oct 2024 19:23

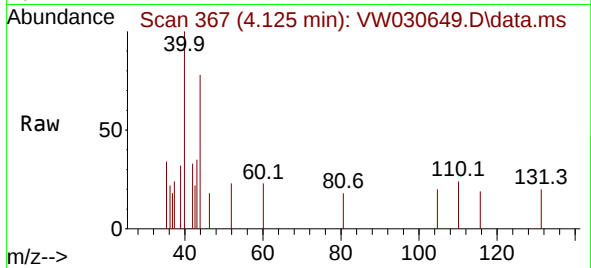
Tgt Ion: 96 Resp: 47
 Ion Ratio Lower Upper
 96 100
 61 0.0 121.3 225.3#
 63 0.0 87.6 162.8#



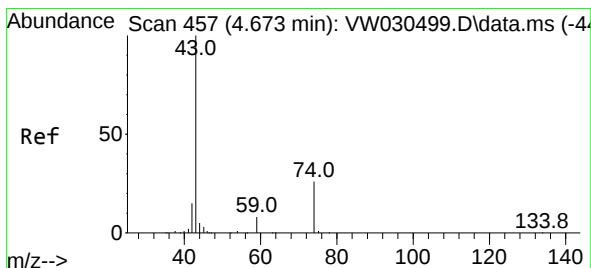
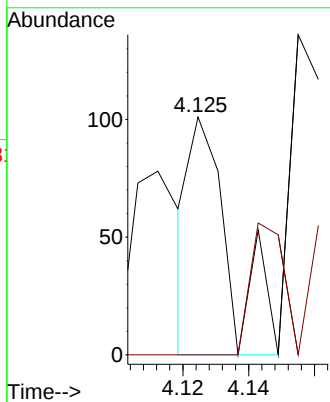
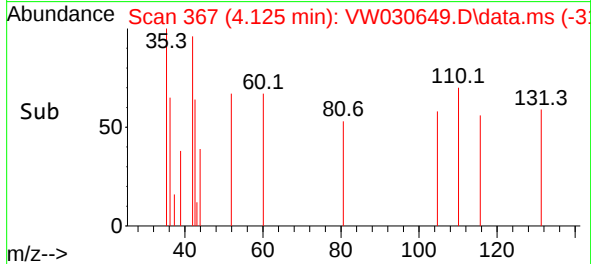


#13
Acetone
Concen: 5.057 ug/L
RT: 4.125 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

Instrument :
MSVOA_W
ClientSampleId :

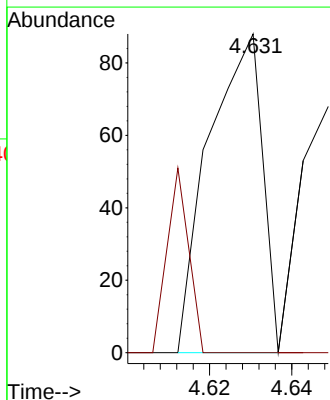
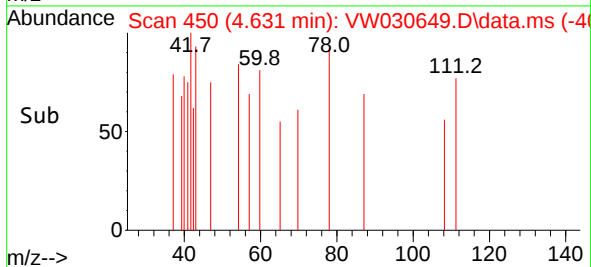
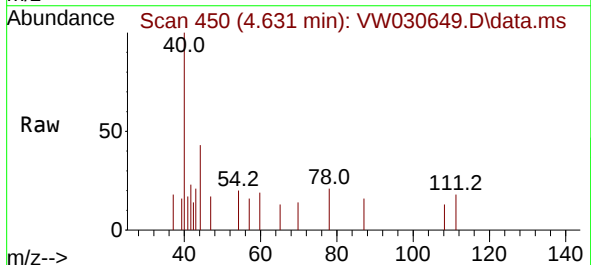


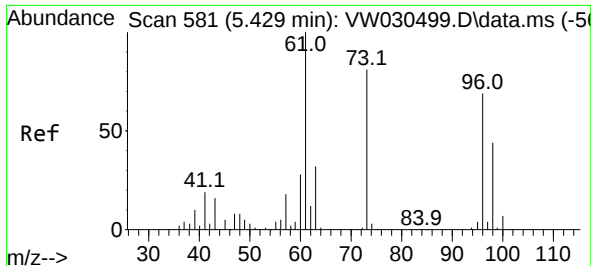
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 45.9 0.0 57.6



#15
Methyl Acetate
Concen: 3.805 ug/L
RT: 4.631 min Scan# 450
Delta R.T. -0.049 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

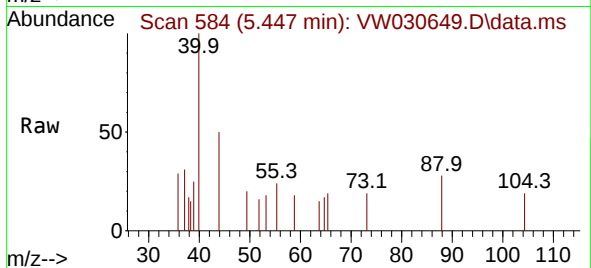
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



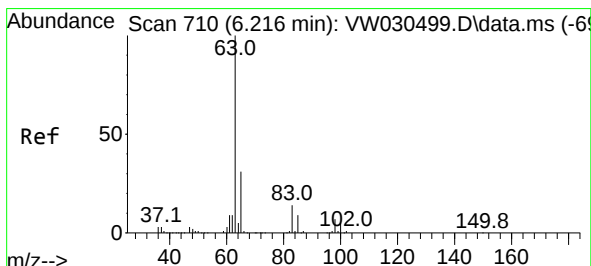
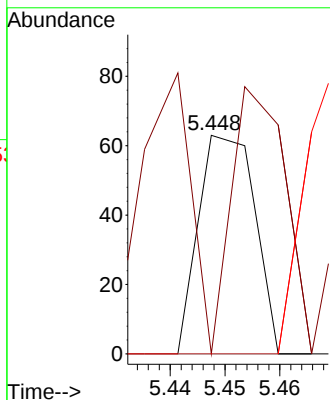
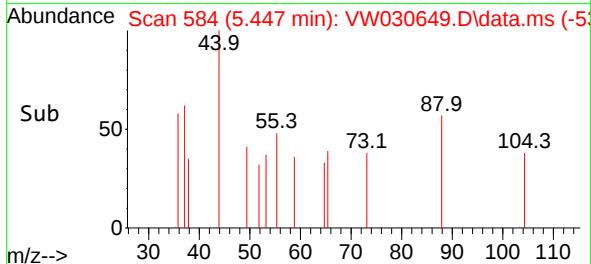


#18
Methyl tert-butyl Ether
Concen: 0.547 ug/L
RT: 5.447 min Scan# 51
Delta R.T. 0.018 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

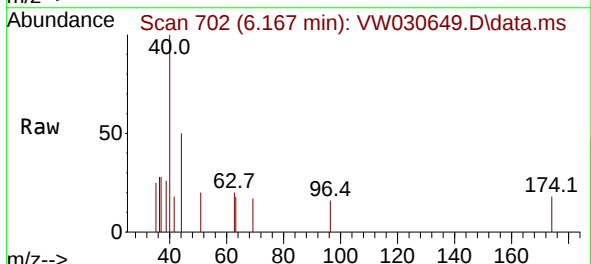
Instrument :
MSVOA_W
ClientSampleId :



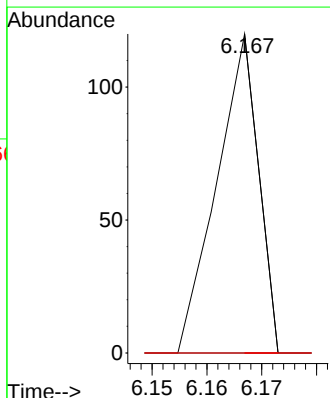
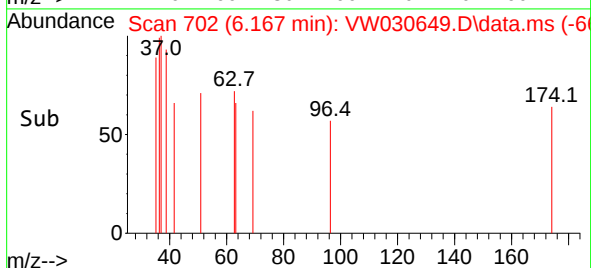
Tgt Ion: 73 Resp: 45
Ion Ratio Lower Upper
73 100
43 115.6 18.1 27.1#
57 0.0 17.7 26.5#

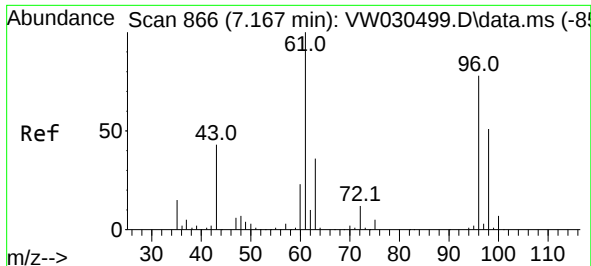


#19
1,1-Dichloroethane
Concen: 0.577 ug/L
RT: 6.167 min Scan# 702
Delta R.T. -0.055 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23



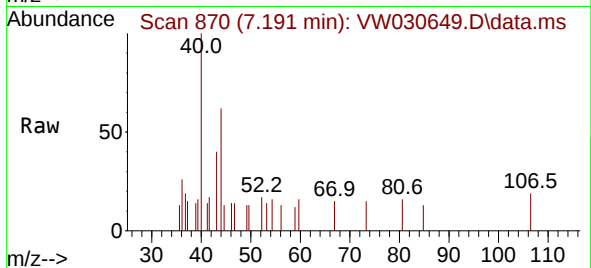
Tgt Ion: 63 Resp: 63
Ion Ratio Lower Upper
63 100
65 0.0 22.5 41.9#
83 0.0 9.8 18.2#



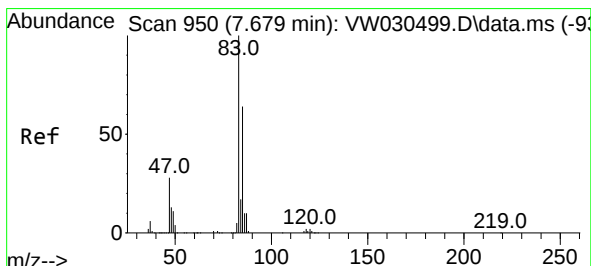
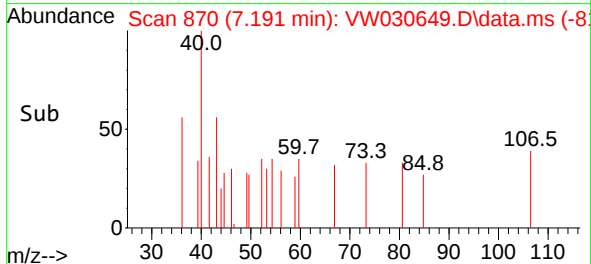
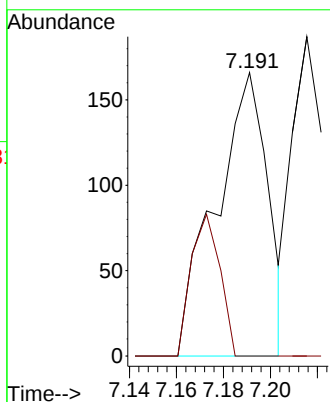


#22
2-Butanone
Concen: 14.184 ug/L
RT: 7.191 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

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ClientSampleId :

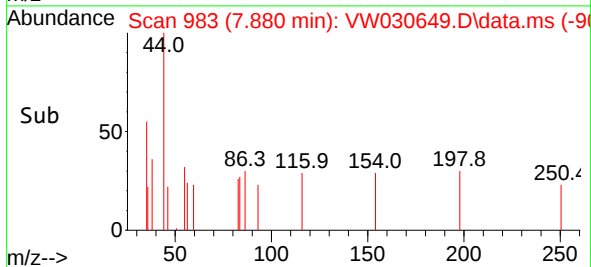
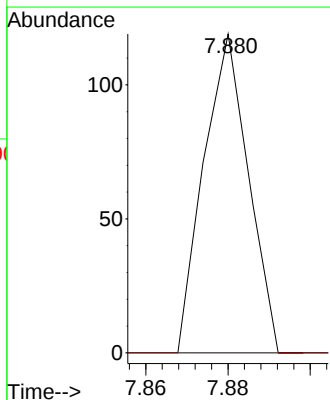
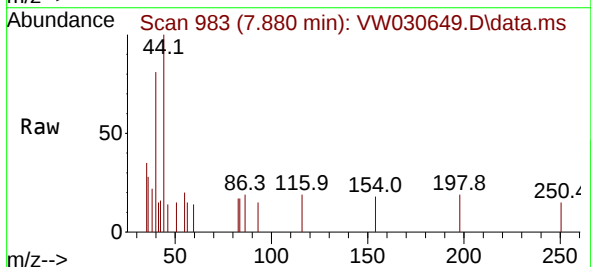


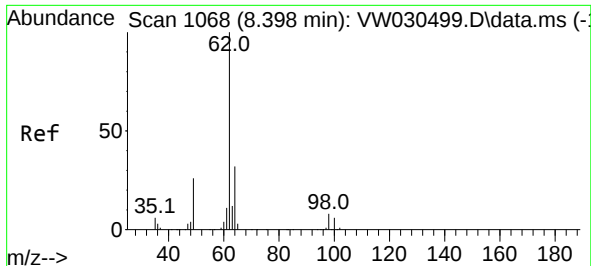
Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
72 27.6 14.4 43.0



#25
Chloroform
Concen: 0.771 ug/L
RT: 7.880 min Scan# 983
Delta R.T. 0.201 min
Lab File: VW030649.D
Acq: 17 Oct 2024 19:23

Tgt Ion: 83 Resp: 90
Ion Ratio Lower Upper
83 100
85 0.0 45.1 83.7#





#27

1,2-Dichloroethane

Concen: 0.623 ug/L

RT: 8.447 min Scan# 1076

Delta R.T. 0.049 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

Instrument :

MSVOA_W

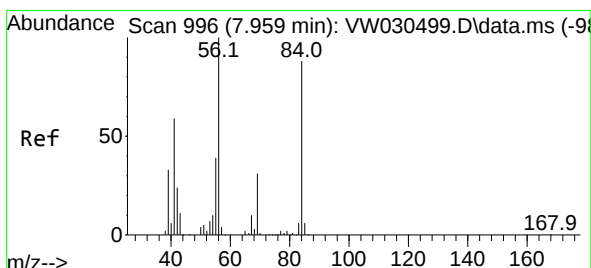
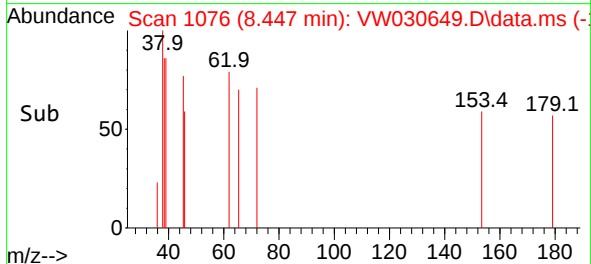
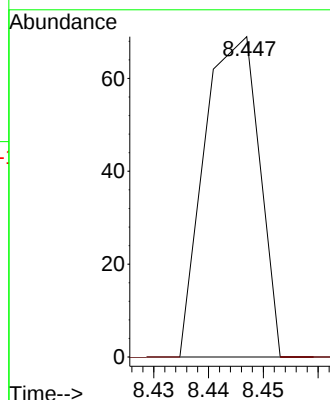
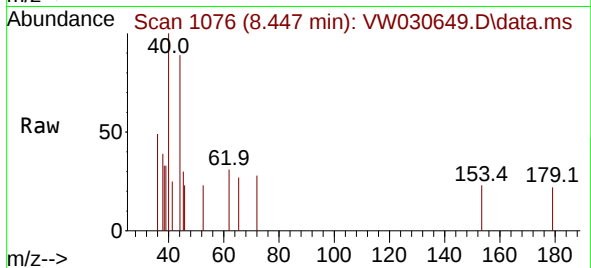
ClientSampleId :

Tgt Ion: 62 Resp: 48

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



#29

Cyclohexane

Concen: 0.388 ug/L

RT: 7.990 min Scan# 1001

Delta R.T. 0.037 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

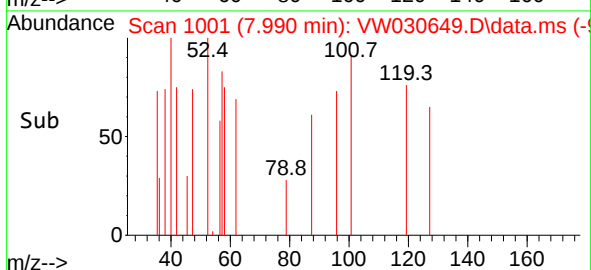
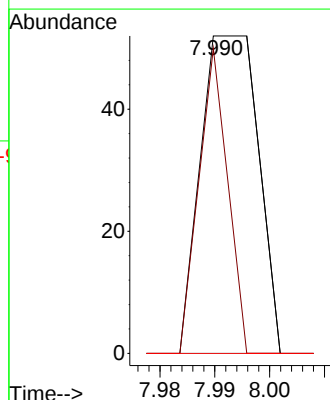
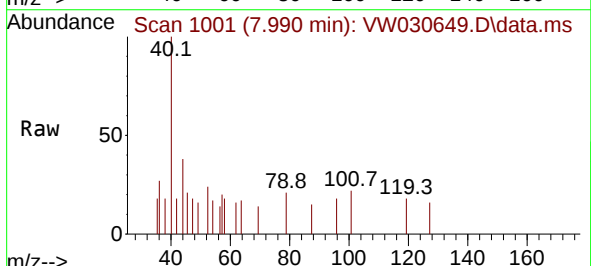
Tgt Ion: 56 Resp: 38

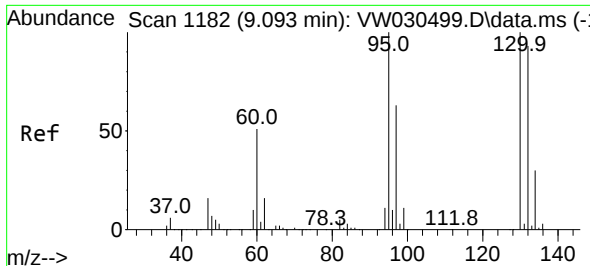
Ion Ratio Lower Upper

56 100

69 110.5 25.4 38.0#

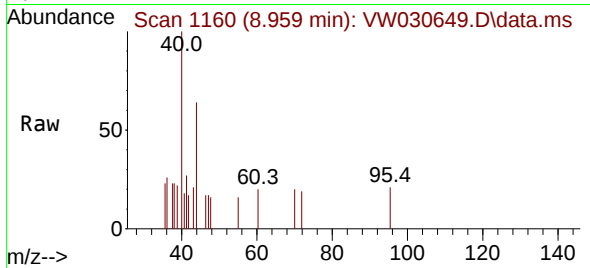
84 113.2 72.3 108.5#



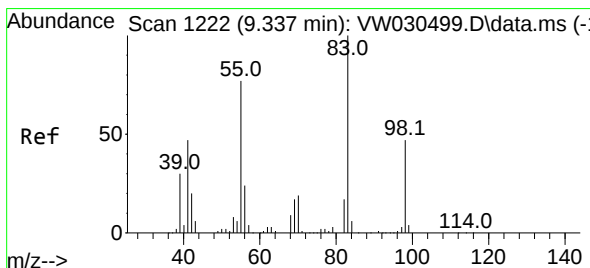
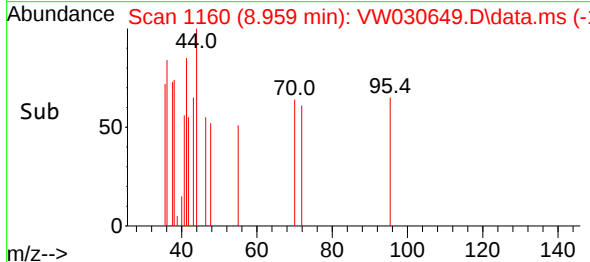
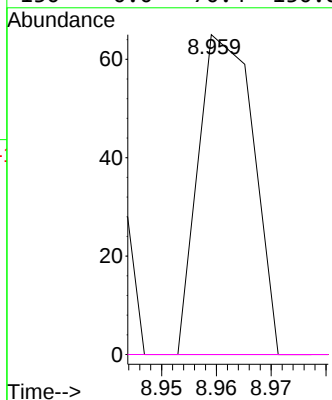


#34
 Trichloroethene
 Concen: 0.618 ug/L
 RT: 8.959 min Scan# 1182
 Delta R.T. -0.134 min
 Lab File: VW030649.D
 Acq: 17 Oct 2024 19:23

Instrument :
 MSVOA_W
 ClientSampleId :

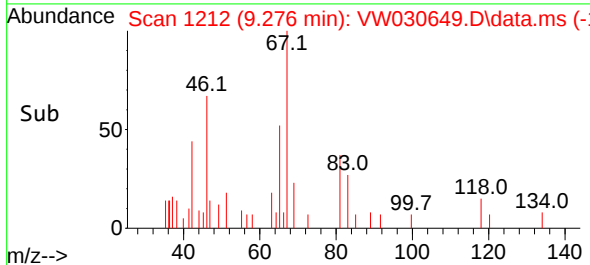
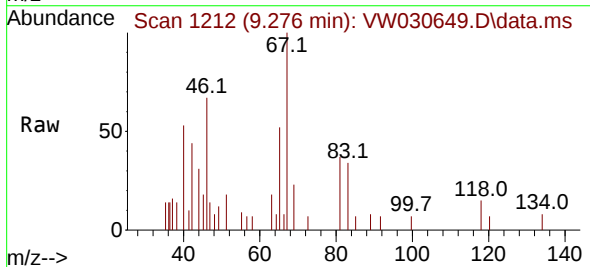
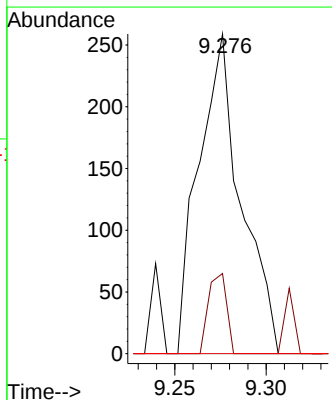


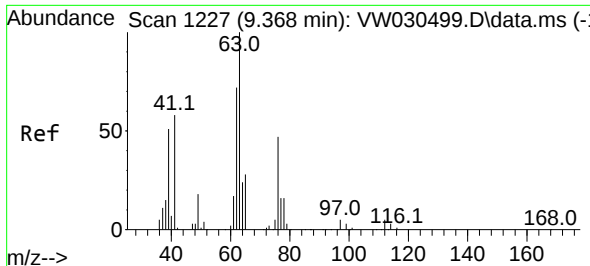
Tgt Ion:	95	Resp:	45
Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.9	85.3#
132	0.0	66.4	123.2#
130	0.0	70.4	130.8#



#35
 Methylcyclohexane
 Concen: 3.638 ug/L
 RT: 9.276 min Scan# 1212
 Delta R.T. -0.055 min
 Lab File: VW030649.D
 Acq: 17 Oct 2024 19:23

Tgt Ion:	83	Resp:	417
Ion	Ratio	Lower	Upper
83	100		
55	10.8	61.8	92.8#
98	0.0	39.3	58.9#





#37

1,2-Dichloropropane

Concen: 0.749 ug/L

RT: 9.355 min Scan# 11

Delta R.T. -0.012 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

Instrument :

MSVOA_W

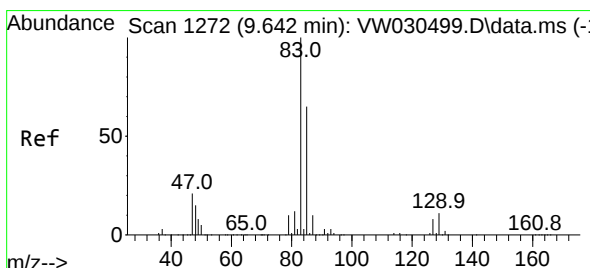
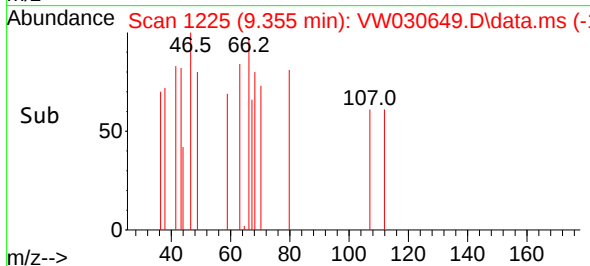
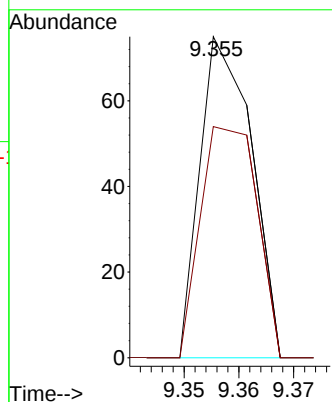
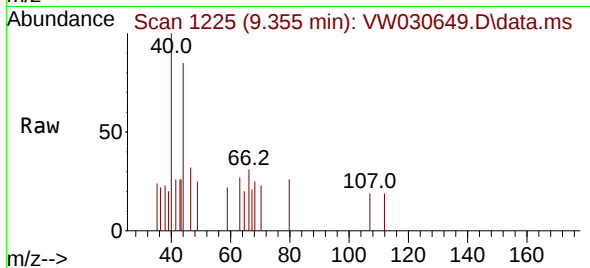
ClientSampleId :

Tgt Ion: 63 Resp: 49

Ion Ratio Lower Upper

63 100

112 79.6 3.7 5.5#



#38

Bromodichloromethane

Concen: 0.506 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

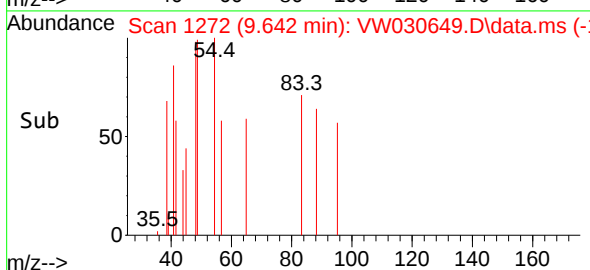
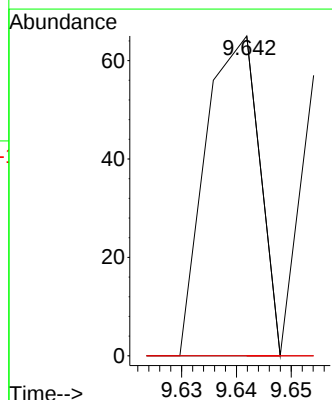
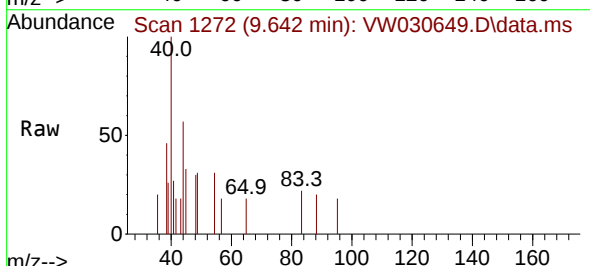
Tgt Ion: 83 Resp: 44

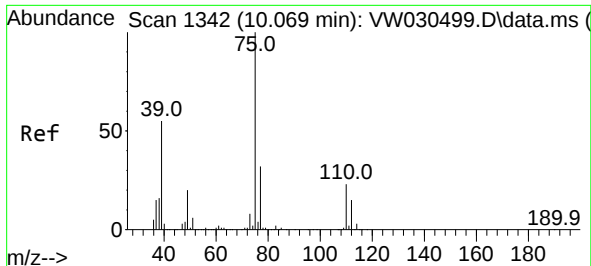
Ion Ratio Lower Upper

83 100

85 0.0 44.2 82.0#

127 0.0 6.2 9.4#





#39

cis-1,3-Dichloropropene

Concen: 0.598 ug/L

RT: 10.056 min Scan# 11

Delta R.T. -0.018 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

Instrument :

MSVOA_W

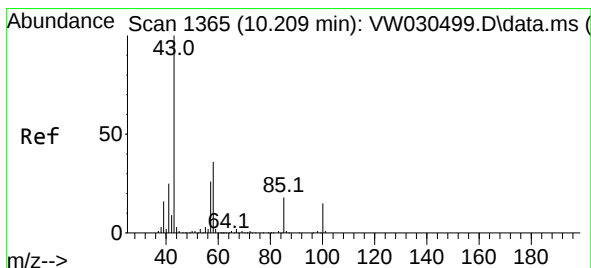
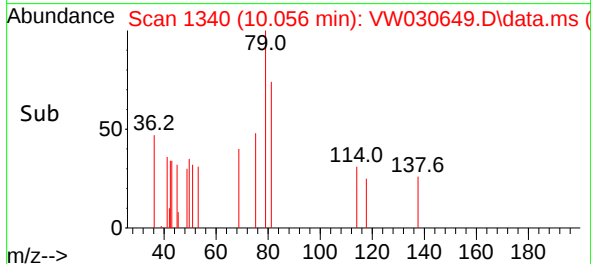
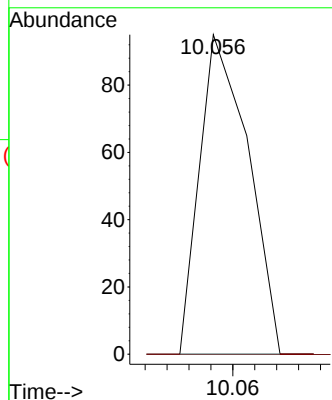
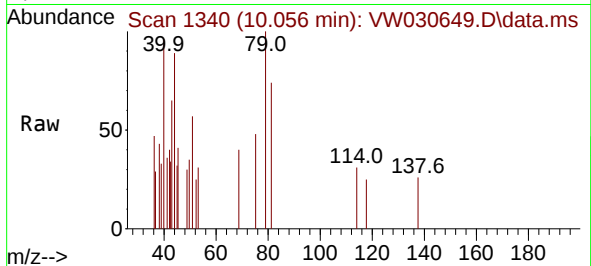
ClientSampleId :

Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

77 0.0 21.1 39.1#



#40

4-Methyl-2-pentanone

Concen: 3.566 ug/L

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

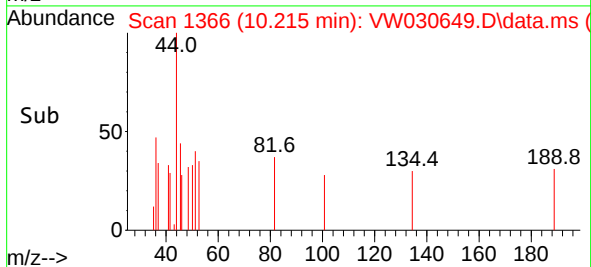
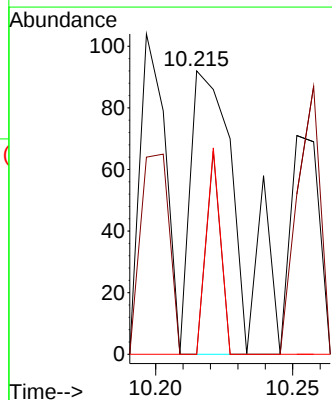
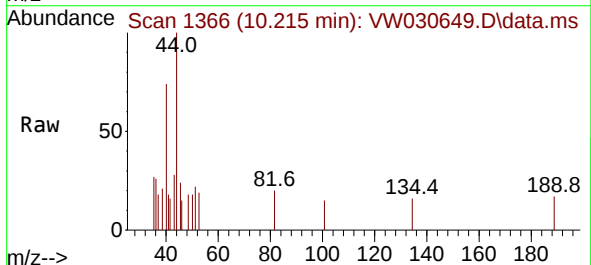
Tgt Ion: 43 Resp: 112

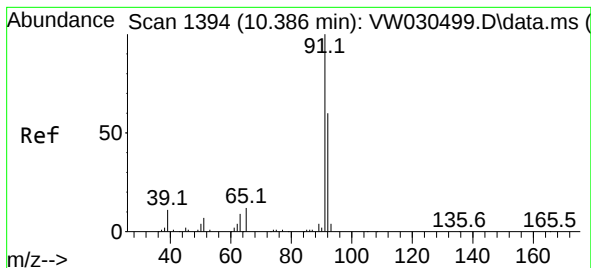
Ion Ratio Lower Upper

43 100

58 0.0 31.4 47.2#

100 0.0 13.1 19.7#





#42

Toluene

Concen: 2.048 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

Instrument :

MSVOA_W

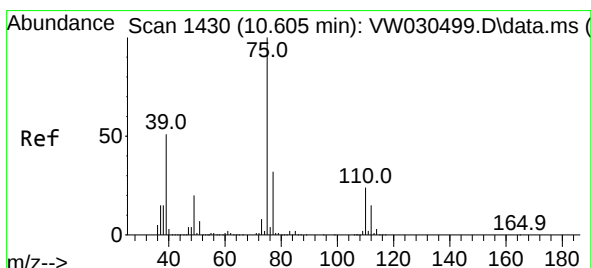
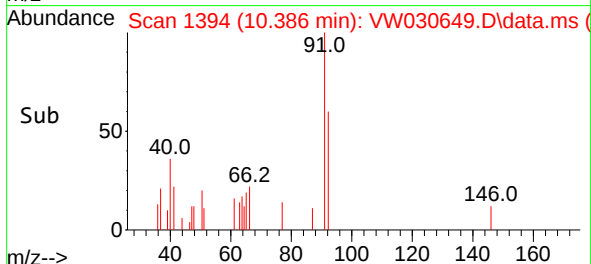
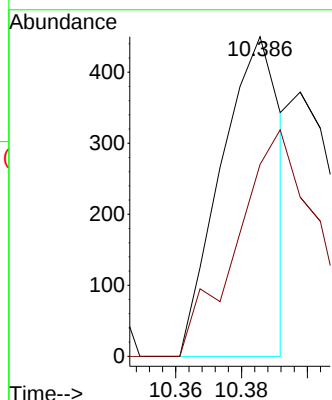
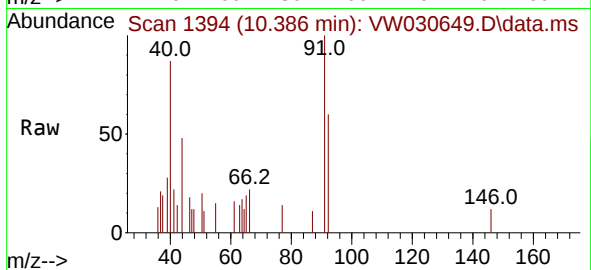
ClientSampleId :

Tgt Ion: 91 Resp: 572

Ion Ratio Lower Upper

91 100

92 60.0 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 10.611 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VW030649.D

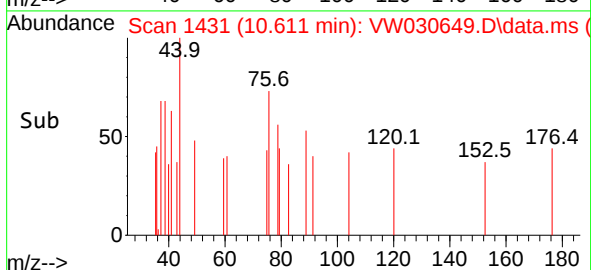
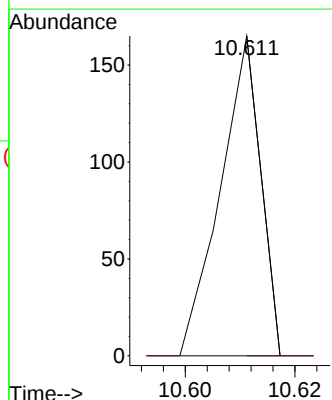
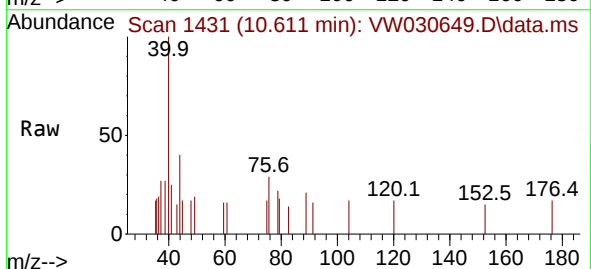
Acq: 17 Oct 2024 19:23

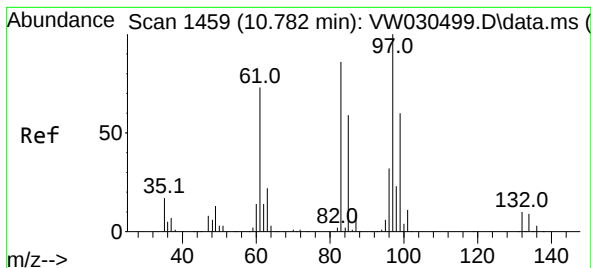
Tgt Ion: 75 Resp: 84

Ion Ratio Lower Upper

75 100

77 0.0 21.6 40.2#





#45

1,1,2-Trichloroethane

Concen: 0.846 ug/L

RT: 10.666 min Scan# 1459

Delta R.T. -0.122 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 40

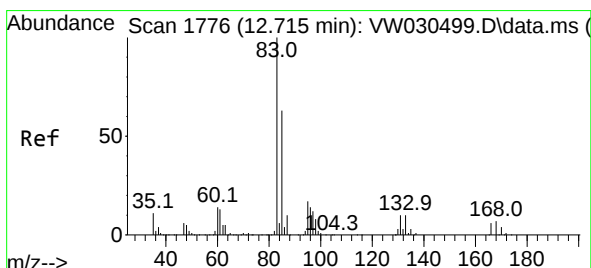
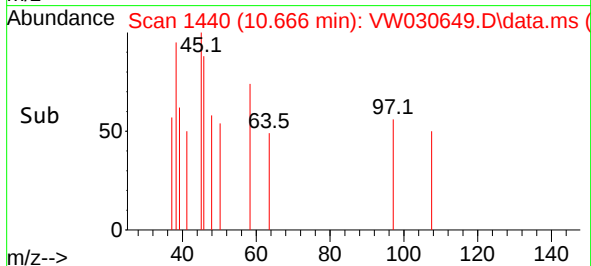
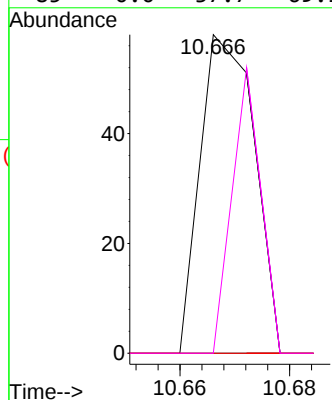
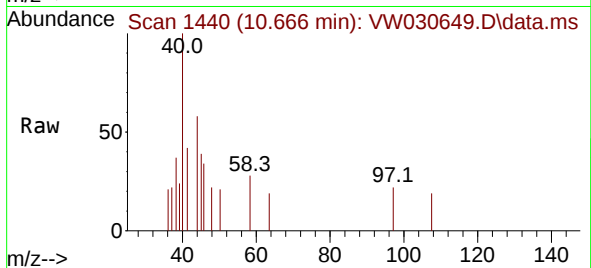
Ion Ratio Lower Upper

97 100

99 0.0 41.2 76.6#

83 0.0 59.6 110.6#

85 0.0 37.7 69.9#



#57

1,1,2,2-Tetrachloroethane

Concen: 1.445 ug/L

RT: 12.702 min Scan# 1774

Delta R.T. -0.012 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

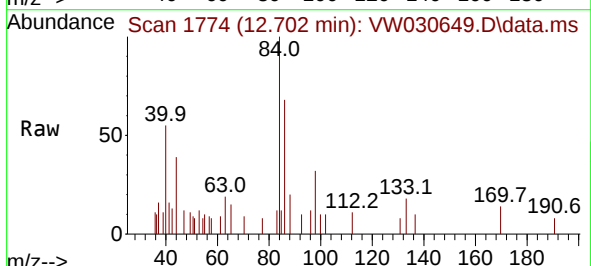
Tgt Ion: 83 Resp: 77

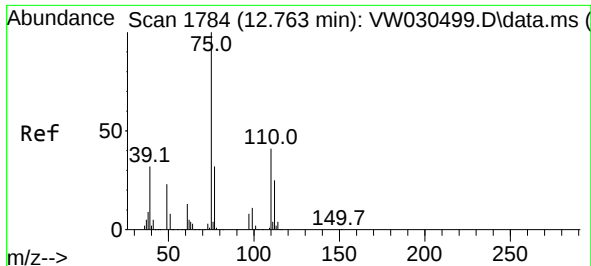
Ion Ratio Lower Upper

83 100

85 103.8 42.6 79.2#

131 70.0 7.4 11.0#





#61

1,2,3-Trichloropropane

Concen: 1.639 ug/L

RT: 12.623 min Scan# 11

Delta R.T. -0.140 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

Instrument :

MSVOA_W

ClientSampleId :

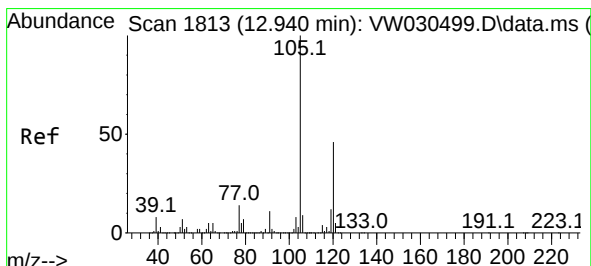
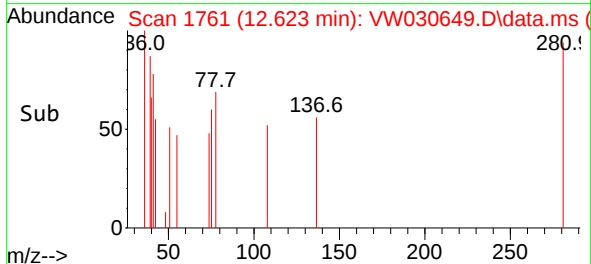
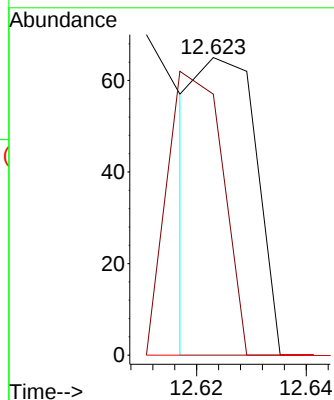
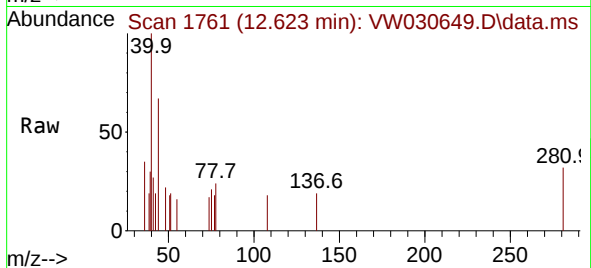
Tgt Ion: 75 Resp: 46

Ion Ratio Lower Upper

75 100

77 95.7 25.7 38.5#

110 0.0 32.3 48.5#



#62

1,3,5-Trimethylbenzene

Concen: 0.380 ug/L

RT: 13.013 min Scan# 1825

Delta R.T. 0.073 min

Lab File: VW030649.D

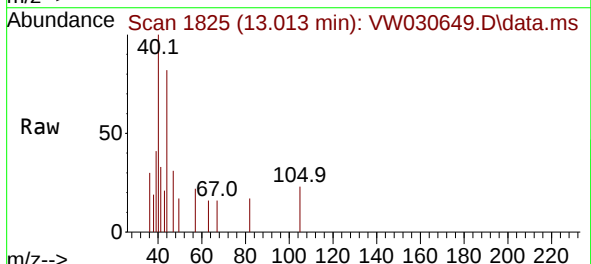
Acq: 17 Oct 2024 19:23

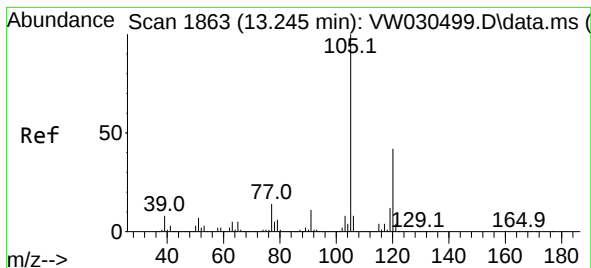
Tgt Ion:105 Resp: 67

Ion Ratio Lower Upper

105 100

120 0.0 38.0 57.0#





#63

1,2,4-Trimethylbenzene

Concen: 0.388 ug/L

RT: 13.013 min Scan# 11

Delta R.T. -0.232 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

Instrument :

MSVOA_W

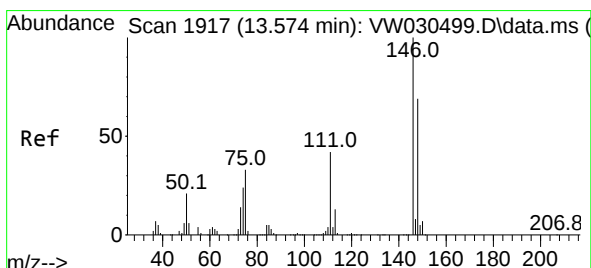
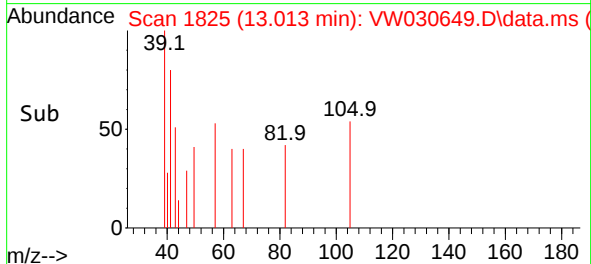
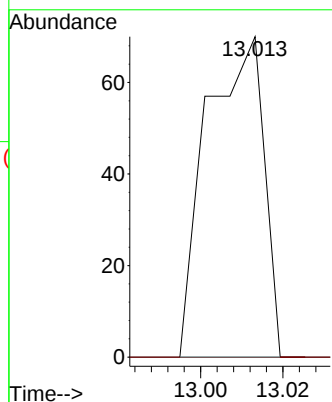
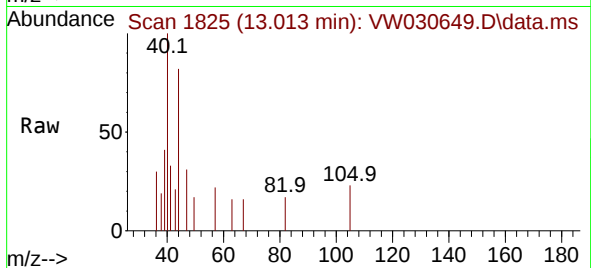
ClientSampleId :

Tgt Ion:105 Resp: 67

Ion Ratio Lower Upper

105 100

120 0.0 35.8 53.6#



#65

1,4-Dichlorobenzene

Concen: 0.458 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.293 min

Lab File: VW030649.D

Acq: 17 Oct 2024 19:23

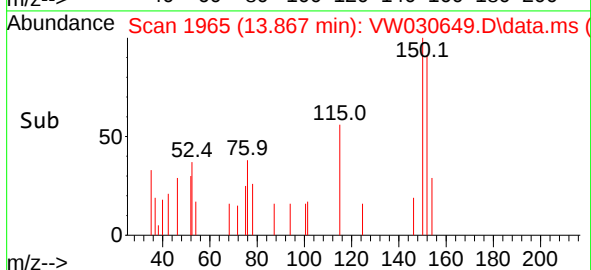
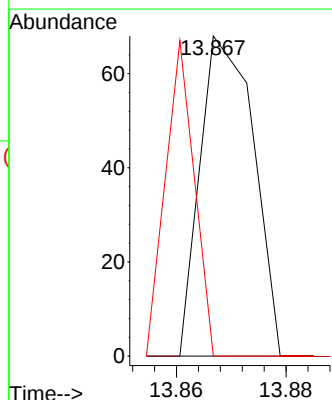
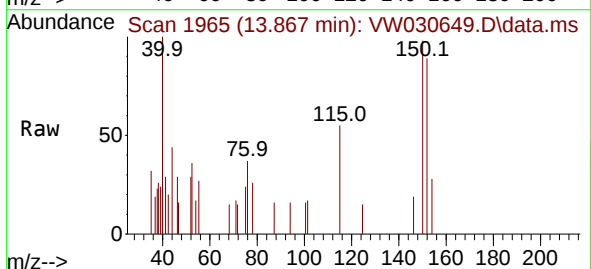
Tgt Ion:146 Resp: 46

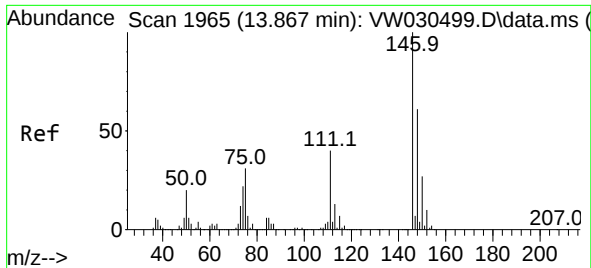
Ion Ratio Lower Upper

146 100

111 0.0 26.8 49.8#

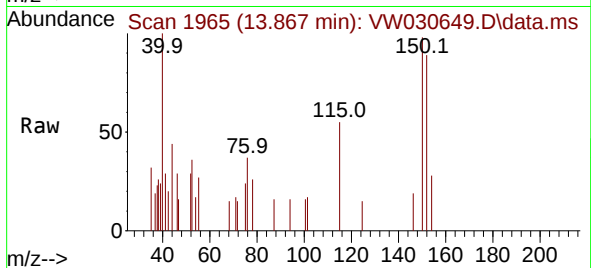
148 0.0 41.0 76.2#





#67
 1,2-Dichlorobenzene
 Concen: 0.538 ug/L
 RT: 13.867 min Scan# 1965
 Delta R.T. 0.000 min
 Lab File: VW030649.D
 Acq: 17 Oct 2024 19:23

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	146	Resp:	46
Ion Ratio	Lower	Upper	
146	100		
111	0.0	34.6	52.0#
148	0.0	53.3	79.9#

