

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100924\
 Data File : VW030484.D
 Acq On : 09 Oct 2024 19:35
 Operator : SY/MD
 Sample : P4346-10
 Misc : 2.89g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 10 01:31:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 10 01:29:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	5299	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.629	117	5084	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	1705	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	2004	24.060	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.240%
7) Chloroethane-d5	2.899	69	2186	34.672	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	138.680%
11) 1,1-Dichloroethene-d2	4.039	65	962	27.769	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.080%#
21) 2-Butanone-d5	7.222	46	89	5.938	ug/L	0.15
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.880%#
24) Chloroform-d	7.654	84	6129	40.445	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	161.760%#
26) 1,2-Dichloroethane-d4	8.313	65	5801	73.616	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	294.480%#
32) Benzene-d6	8.282	84	9656	32.724	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.880%
36) 1,2-Dichloropropane-d6	9.276	67	4240	48.957	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	195.840%#
41) Toluene-d8	10.325	98	5897	21.892	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.560%
43) trans-1,3-Dichloroprop...	10.581	79	1125	31.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	124.080%
47) 2-Hexanone-d5	10.965	63	165	14.792	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	29.580%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	4644	73.014	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	292.040%#
66) 1,2-Dichlorobenzene-d4	13.855	152	2049	35.517	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	142.080%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.186	85	42	0.620	ug/L	# 45
3) Chloromethane	2.302	50	142	1.805	ug/L	83
10) 1,1,2-Trichloro-1,2,2-...	3.838	101	38	0.488	ug/L	# 21
12) 1,1-Dichloroethene	4.064	96	49	0.689	ug/L	# 1
13) Acetone	4.143	43	235	10.709	ug/L	58
15) Methyl Acetate	4.746	43	160	5.902	ug/L	99
16) Methylene chloride	4.917	84	229	2.859	ug/L	# 58
17) trans-1,2-Dichloroethene	5.198	96	39	0.508	ug/L	# 1
19) 1,1-Dichloroethane	6.332	63	52	0.365	ug/L	# 16
22) 2-Butanone	7.167	43	61	2.579	ug/L	# 46
27) 1,2-Dichloroethane	8.417	62	47	0.468	ug/L	# 76
29) Cyclohexane	7.990	56	45	0.364	ug/L	# 14
34) Trichloroethene	9.172	95	43	0.467	ug/L	# 5
35) Methylcyclohexane	9.282	83	581	4.011	ug/L	# 17
38) Bromodichloromethane	9.611	83	52	0.473	ug/L	# 25
39) cis-1,3-Dichloropropene	10.026	75	52	0.417	ug/L	# 45
40) 4-Methyl-2-pentanone	10.203	43	42	1.058	ug/L	# 43
44) trans-1,3-Dichloropropene	10.617	75	70	0.668	ug/L	# 44
45) 1,1,2-Trichloroethane	10.880	97	38	0.636	ug/L	# 16

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Quant Title : SFAM01.0
QLast Update : Thu Oct 10 01:29:22 2024
Response via : Initial Calibration

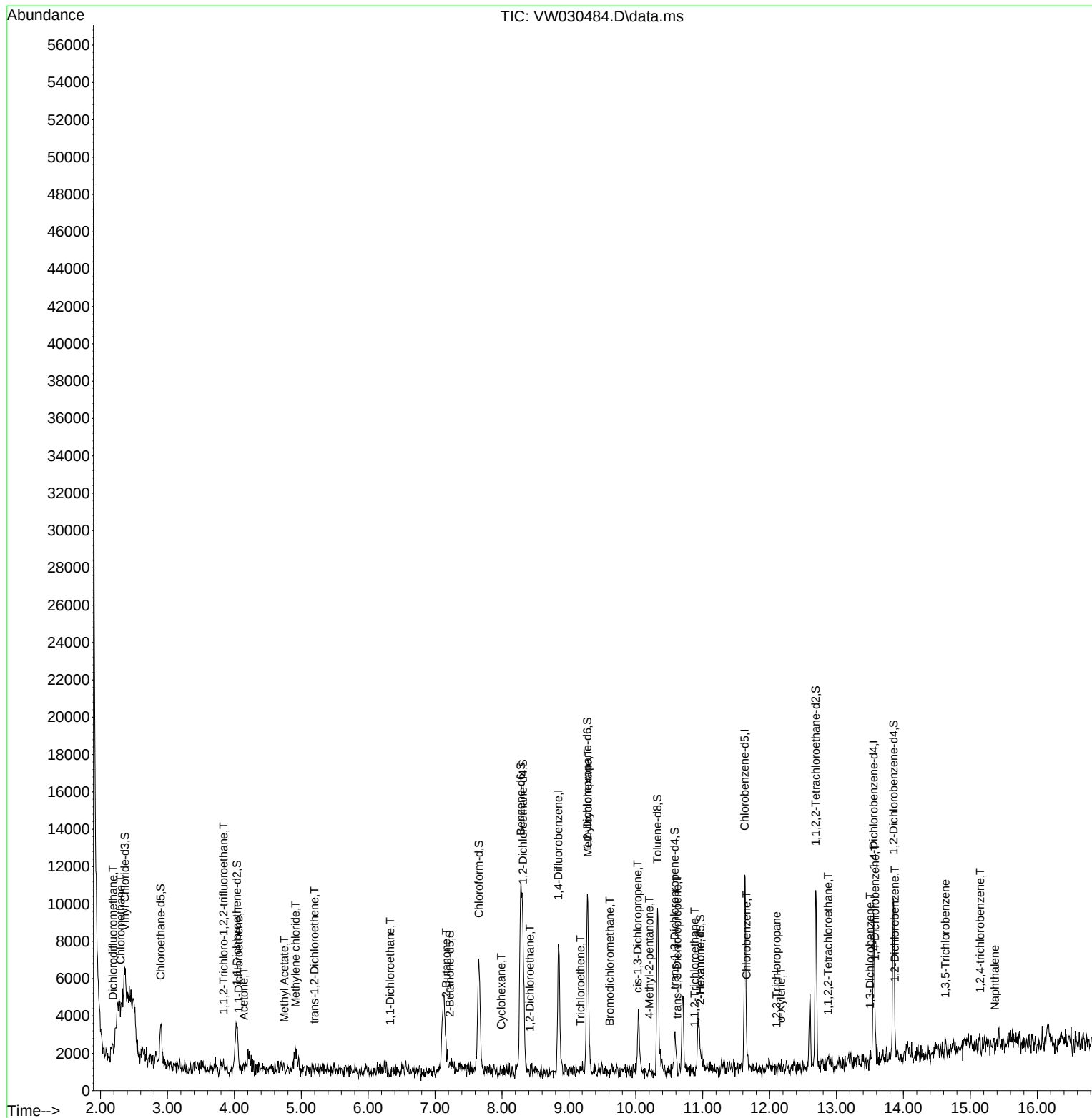
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	10.965	43	301	9.272	ug/L #	40
51) Chlorobenzene	11.654	112	108	0.475	ug/L #	51
54) o-Xylene	12.172	106	44	0.315	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.873	83	38	0.564	ug/L #	27
61) 1,2,3-Trichloropropane	12.105	75	53	1.597	ug/L #	1
64) 1,3-Dichlorobenzene	13.501	146	75	0.653	ug/L #	82
65) 1,4-Dichlorobenzene	13.574	146	308	2.595	ug/L #	48
67) 1,2-Dichlorobenzene	13.873	146	147	1.454	ug/L #	43
69) 1,3,5-Trichlorobenzene	14.629	180	52	0.686	ug/L #	65
70) 1,2,4-trichlorobenzene	15.147	180	75	1.229	ug/L #	73
71) Naphthalene	15.367	128	185	1.755	ug/L #	68

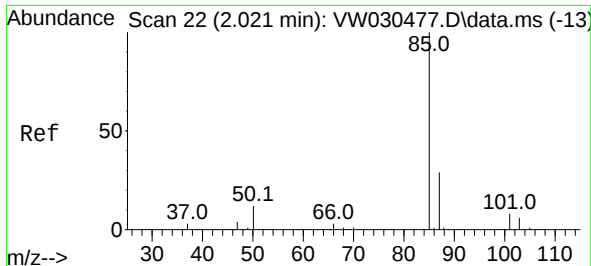
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 10 01:29:22 2024
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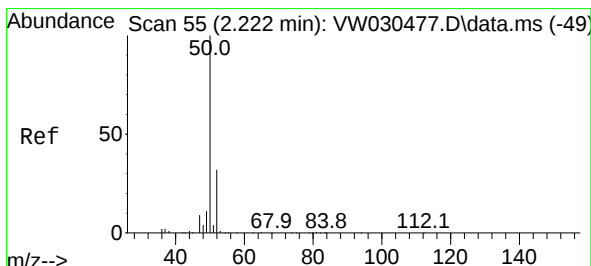
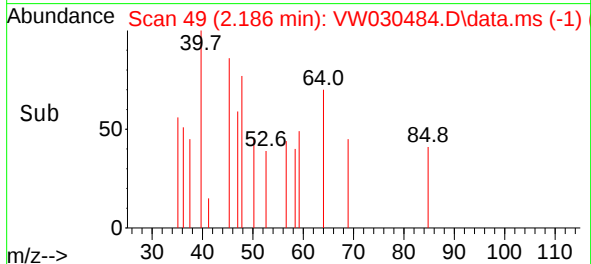
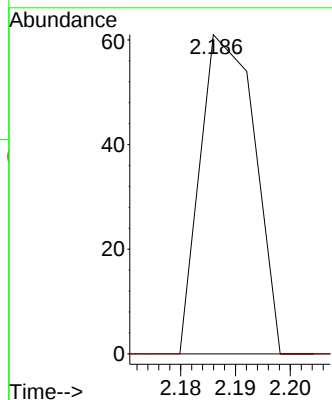
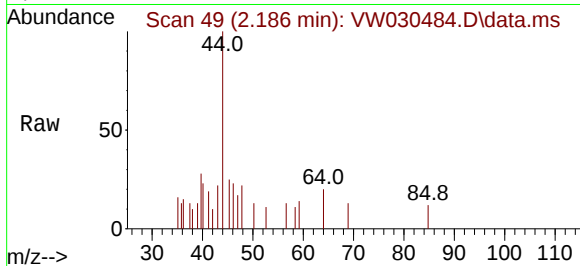




#2
 Dichlorodifluoromethane
 Concen: 0.620 ug/L
 RT: 2.186 min Scan# 41
 Delta R.T. 0.165 min
 Lab File: VW030484.D
 Acq: 09 Oct 2024 19:35

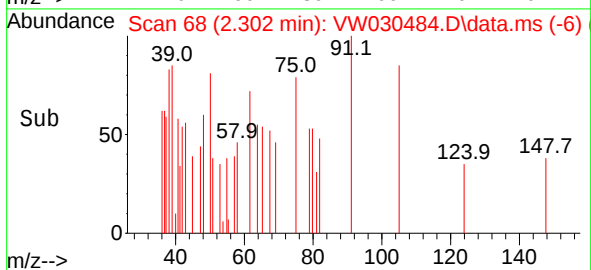
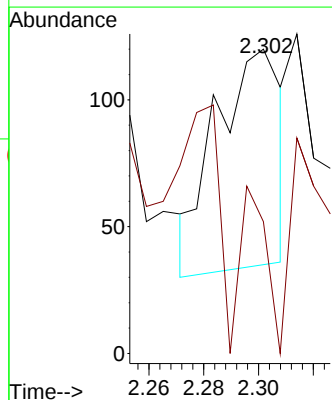
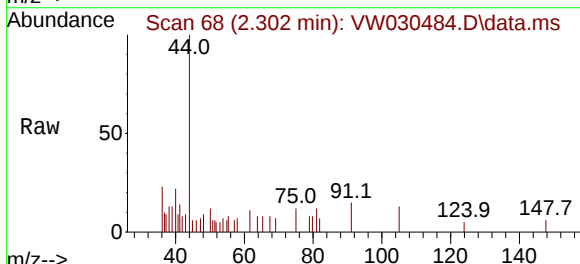
Instrument :
 MSVOA_W
 ClientSampleId :

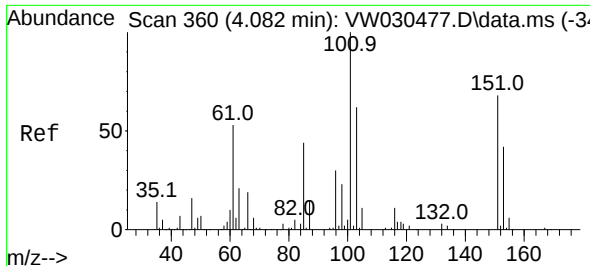
Tgt Ion: 85 Resp: 42
 Ion Ratio Lower Upper
 85 100
 87 0.0 23.8 35.6#



#3
 Chloromethane
 Concen: 1.805 ug/L
 RT: 2.302 min Scan# 68
 Delta R.T. 0.079 min
 Lab File: VW030484.D
 Acq: 09 Oct 2024 19:35

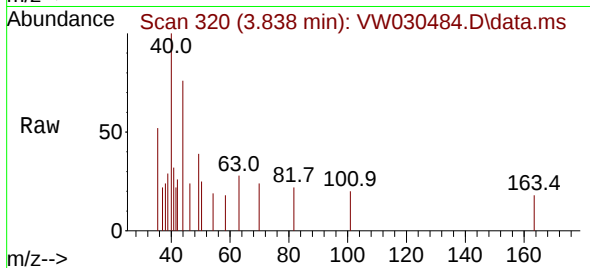
Tgt Ion: 50 Resp: 142
 Ion Ratio Lower Upper
 50 100
 52 43.3 23.7 43.9



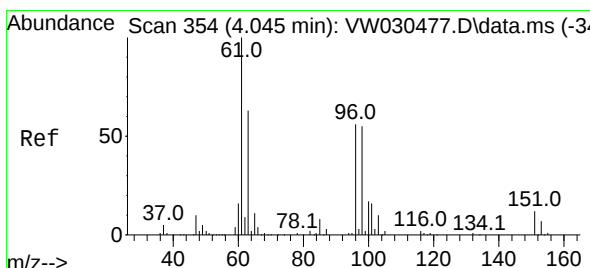
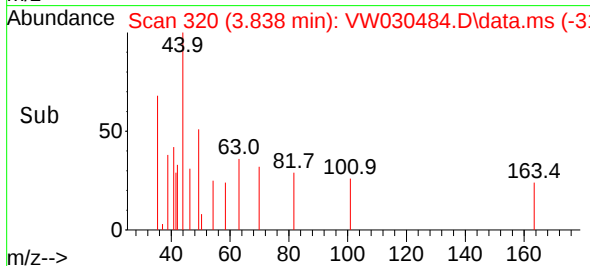
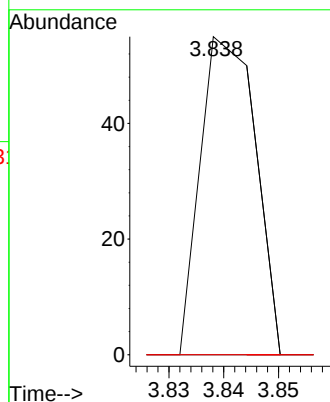


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.488 ug/L
RT: 3.838 min Scan# 31
Delta R.T. -0.244 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

Instrument :
MSVOA_W
ClientSampleId :

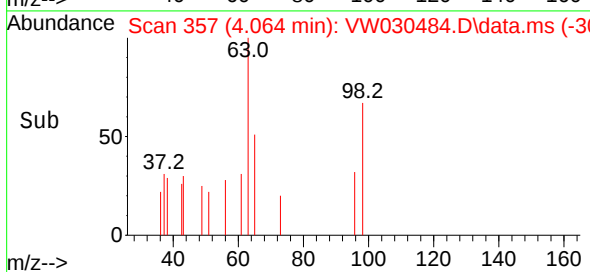
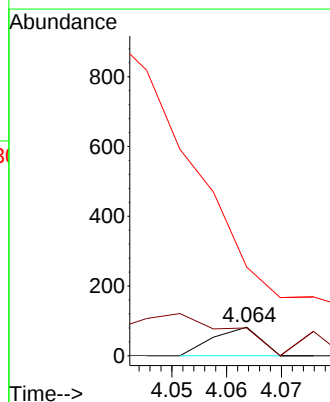
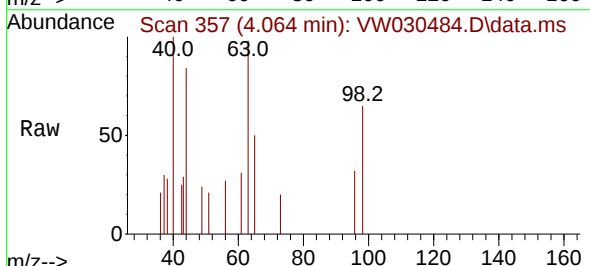


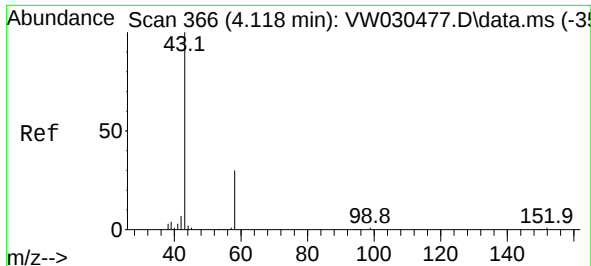
Tgt Ion:101 Resp: 38
Ion Ratio Lower Upper
101 100
85 0.0 35.7 53.5#
151 0.0 56.1 84.1#



#12
1,1-Dichloroethene
Concen: 0.689 ug/L
RT: 4.064 min Scan# 357
Delta R.T. 0.018 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

Tgt Ion: 96 Resp: 49
Ion Ratio Lower Upper
96 100
61 97.6 121.3 225.3#
63 309.8 87.6 162.8#

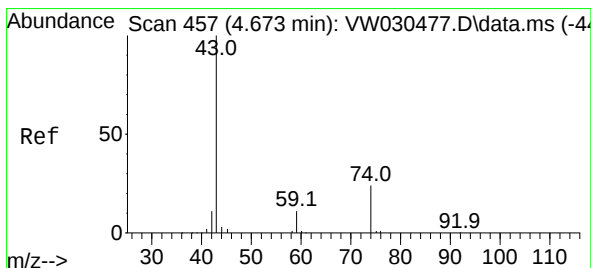
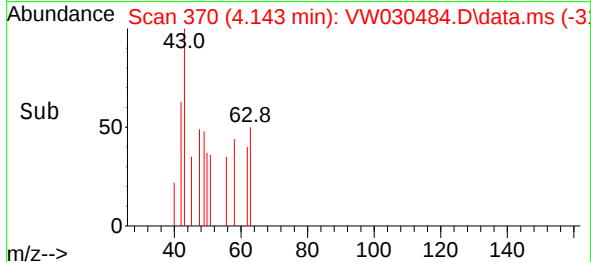
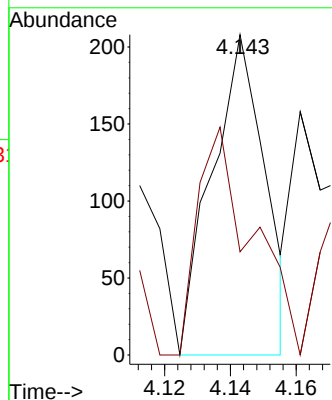
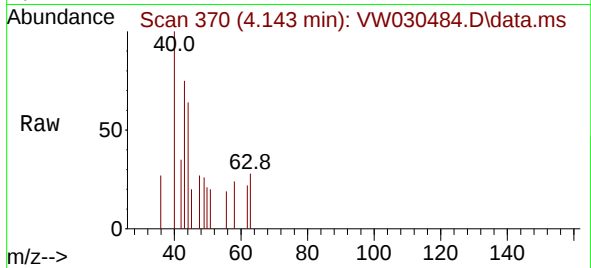




#13
Acetone
Concen: 10.709 ug/L
RT: 4.143 min Scan# 31
Delta R.T. 0.025 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

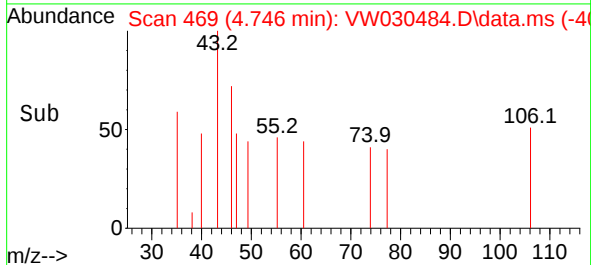
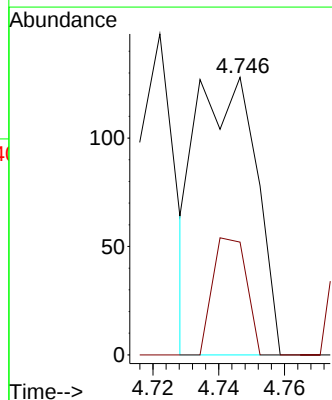
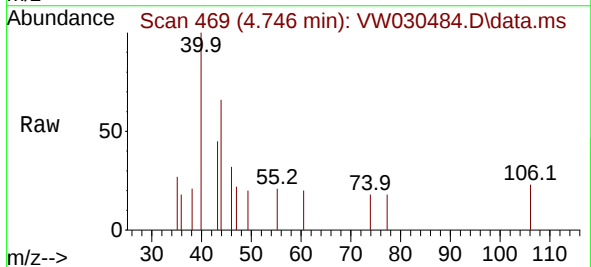
Instrument :
MSVOA_W
ClientSampleId :

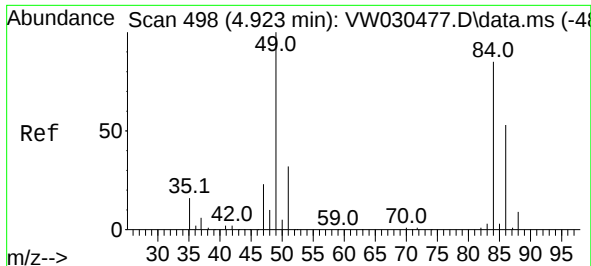
Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
58 51.1 0.0 57.6



#15
Methyl Acetate
Concen: 5.902 ug/L
RT: 4.746 min Scan# 469
Delta R.T. 0.073 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

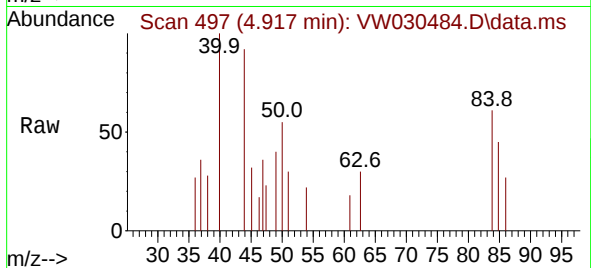
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



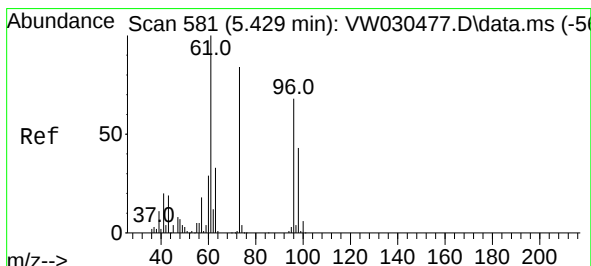
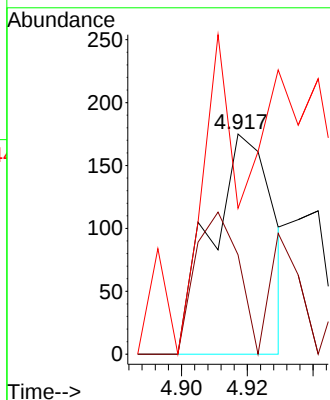
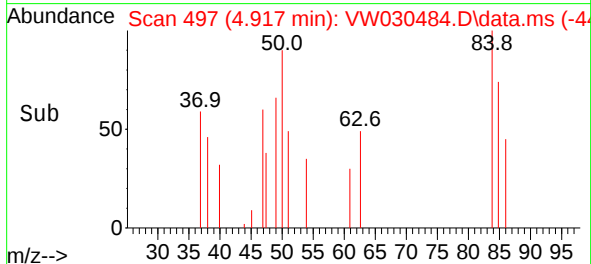


#16
Methylene chloride
Concen: 2.859 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

Instrument :
MSVOA_W
ClientSampleId :

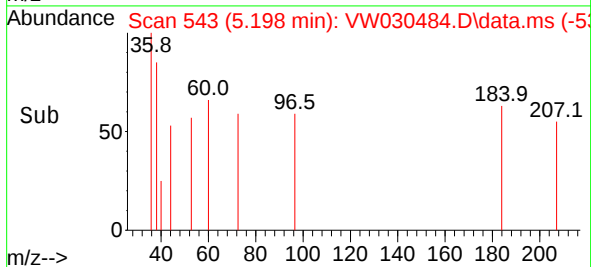
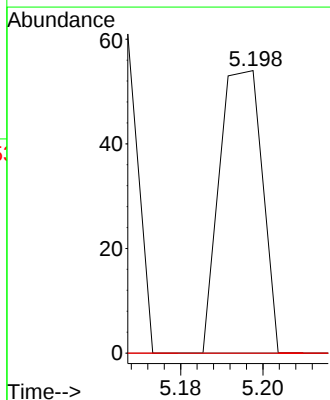
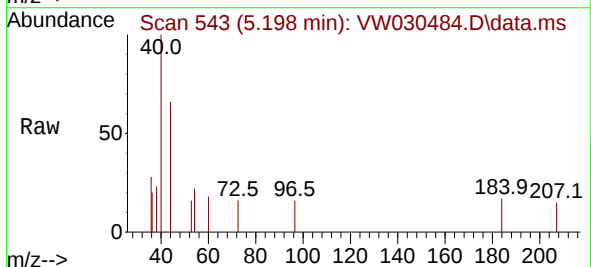


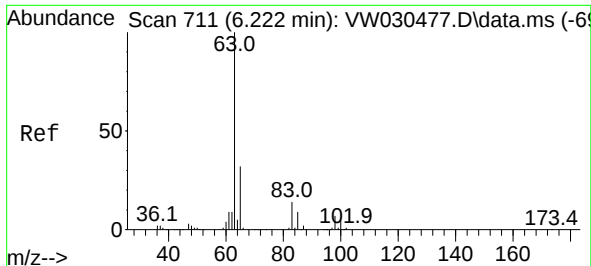
Tgt Ion:	84	Resp:	229
Ion	Ratio	Lower	Upper
84	100		
86	45.1	43.8	81.3
49	66.3	88.3	164.1#



#17
trans-1,2-Dichloroethene
Concen: 0.508 ug/L
RT: 5.198 min Scan# 543
Delta R.T. -0.231 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

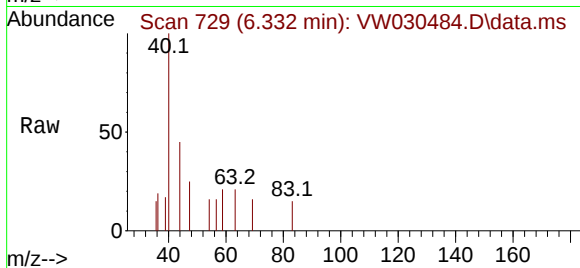
Tgt Ion:	96	Resp:	39
Ion	Ratio	Lower	Upper
96	100		
61	0.0	96.9	179.9#
98	0.0	42.2	78.4#





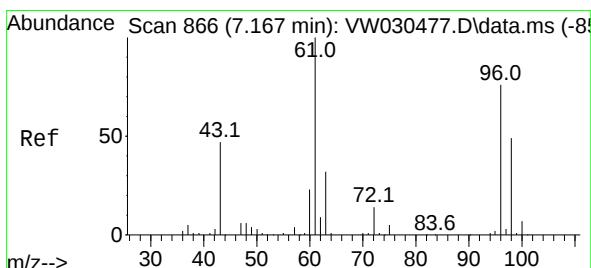
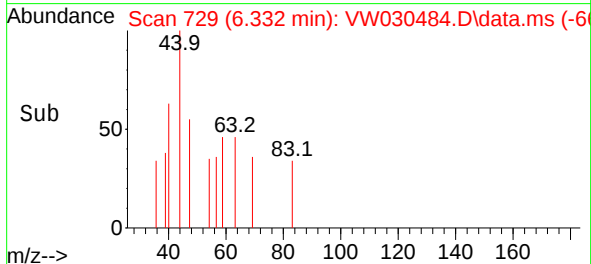
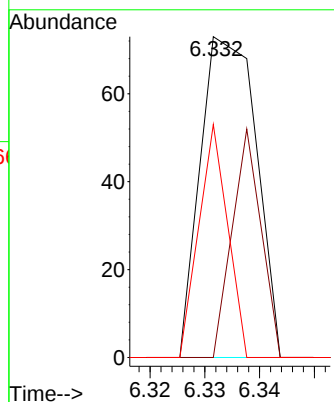
#19
1,1-Dichloroethane
Concen: 0.365 ug/L
RT: 6.332 min Scan# 711
Delta R.T. 0.110 min
Lab File: VW030484.D
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Instrument :
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Tgt Ion: 63 Resp: 52

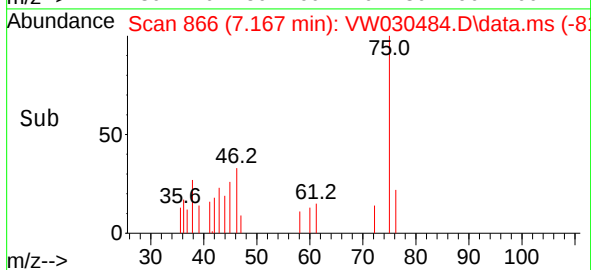
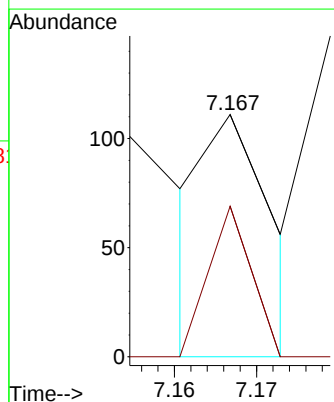
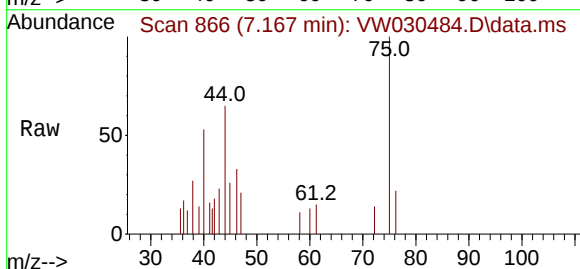
Ion	Ratio	Lower	Upper
63	100		
65	0.0	22.5	41.9#
83	72.6	9.8	18.2#

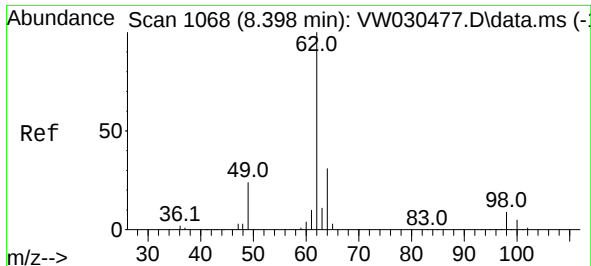


#22
2-Butanone
Concen: 2.579 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

Tgt Ion: 43 Resp: 61

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.4	43.0#





#27

1,2-Dichloroethane

Concen: 0.468 ug/L

RT: 8.417 min Scan# 1071

Delta R.T. 0.018 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Instrument :

MSVOA_W

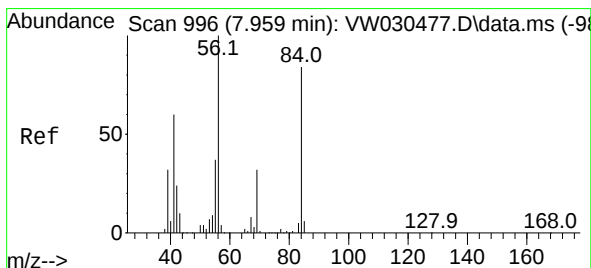
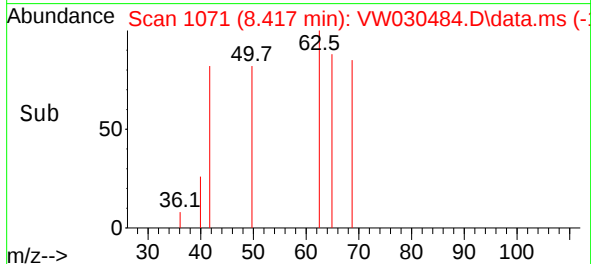
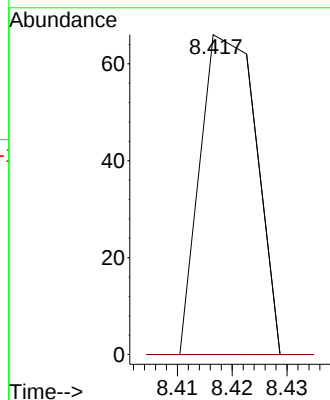
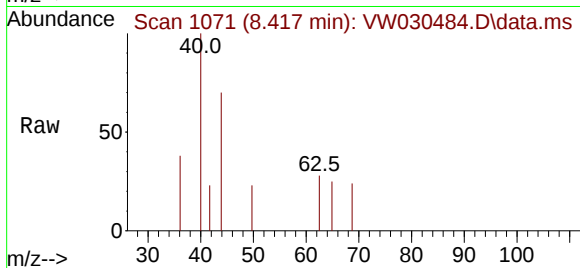
ClientSampleId :

Tgt Ion: 62 Resp: 47

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



#29

Cyclohexane

Concen: 0.364 ug/L

RT: 7.990 min Scan# 1001

Delta R.T. 0.031 min

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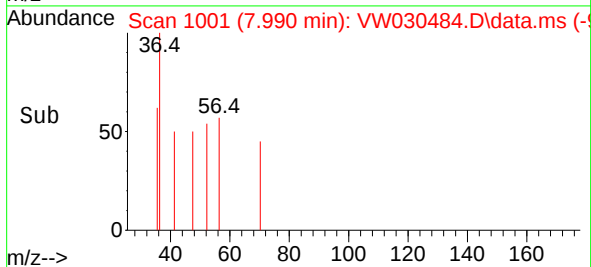
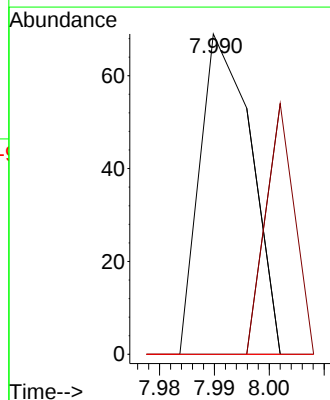
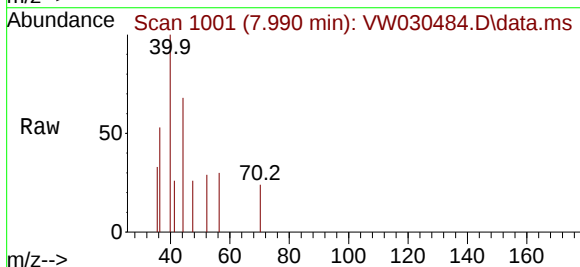
Tgt Ion: 56 Resp: 45

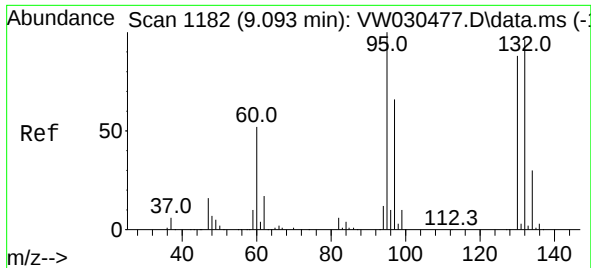
Ion Ratio Lower Upper

56 100

69 0.0 25.4 38.0#

84 0.0 72.3 108.5#





#34

Trichloroethene

Concen: 0.467 ug/L

RT: 9.172 min Scan# 1182

Delta R.T. 0.079 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 43

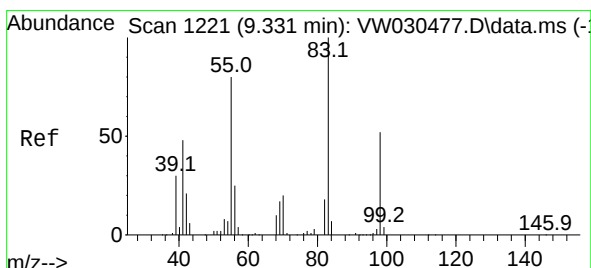
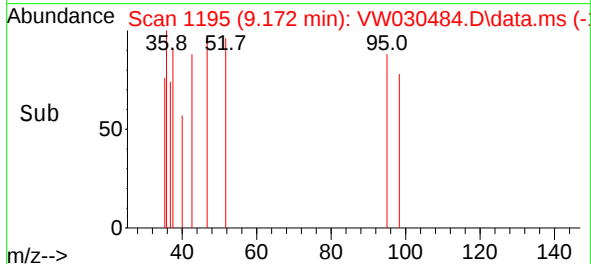
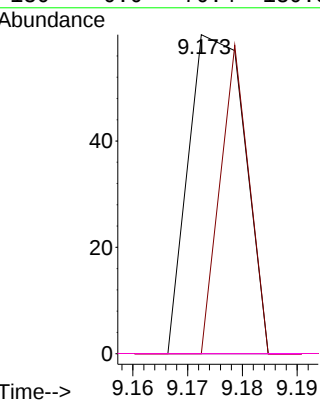
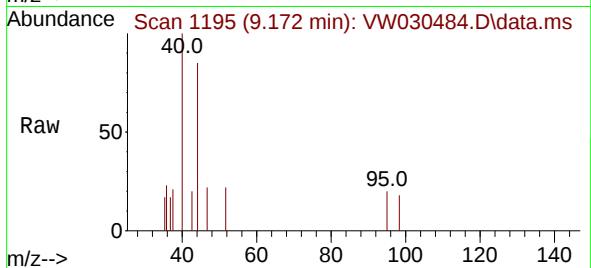
Ion Ratio Lower Upper

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: 4.011 ug/L

RT: 9.282 min Scan# 1213

Delta R.T. -0.049 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

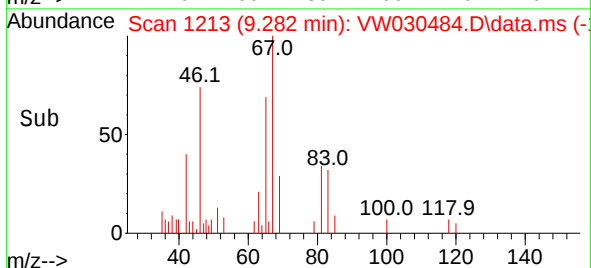
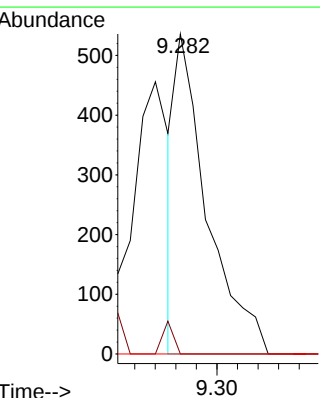
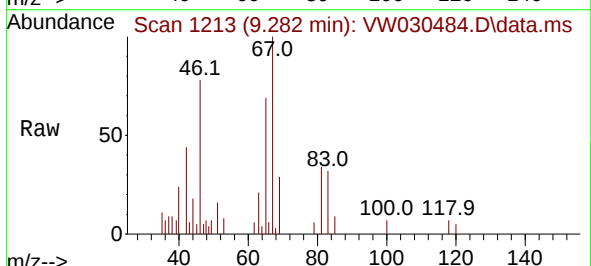
Tgt Ion: 83 Resp: 581

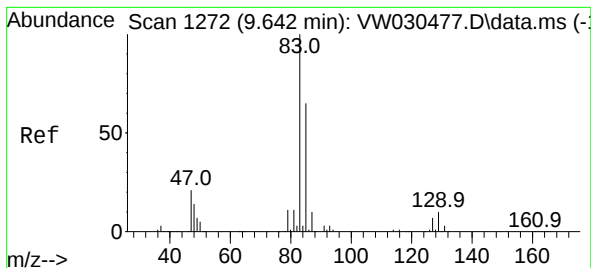
Ion Ratio Lower Upper

83 100

55 0.0 61.8 92.8#

98 0.0 39.3 58.9#





#38

Bromodichloromethane

Concen: 0.473 ug/L

RT: 9.611 min Scan# 1335

Delta R.T. -0.030 min

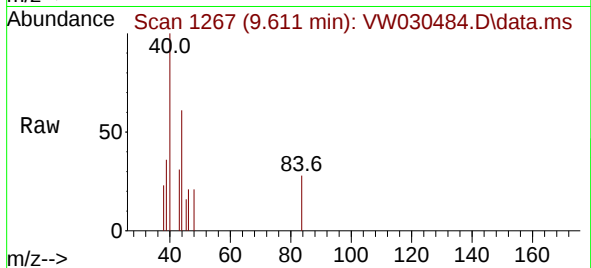
Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

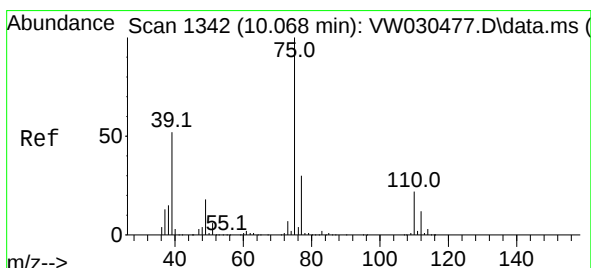
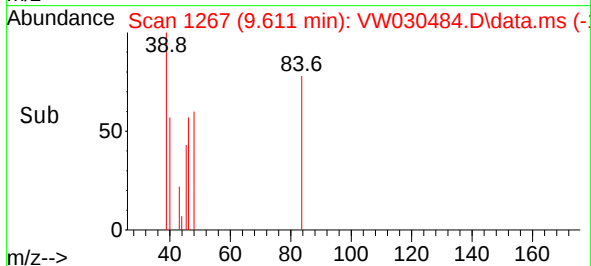
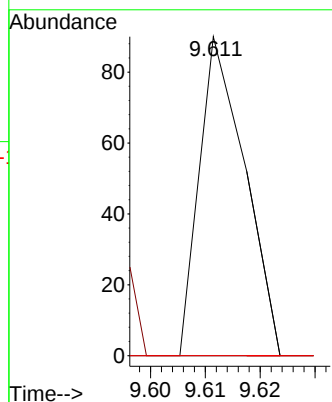
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 83	Resp: 52
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: 0.417 ug/L

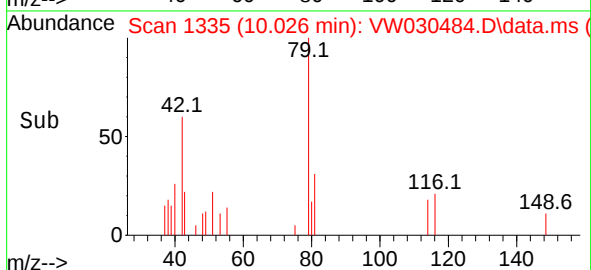
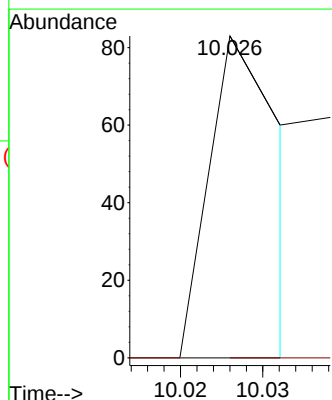
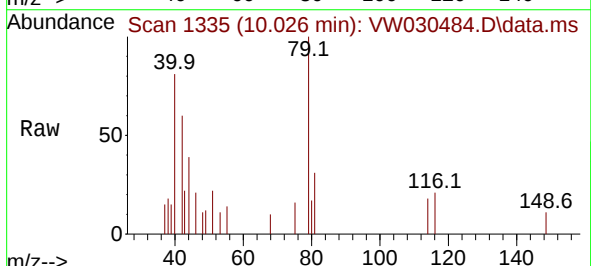
RT: 10.026 min Scan# 1335

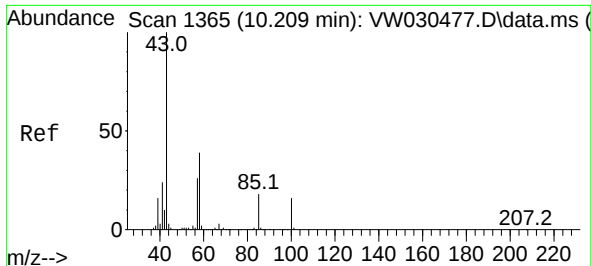
Delta R.T. -0.042 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Tgt Ion: 75	Resp: 52
Ion Ratio	Lower Upper
75	100
77	0.0 21.1 39.1#





#40

4-Methyl-2-pentanone

Concen: 1.058 ug/L

RT: 10.203 min Scan# 1364

Delta R.T. -0.006 min

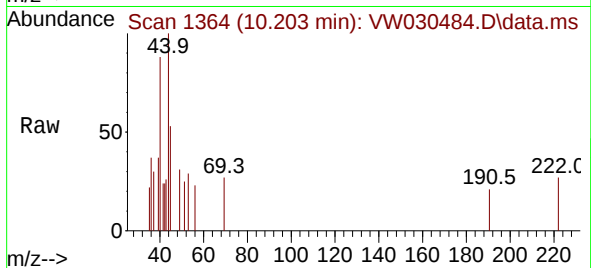
Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

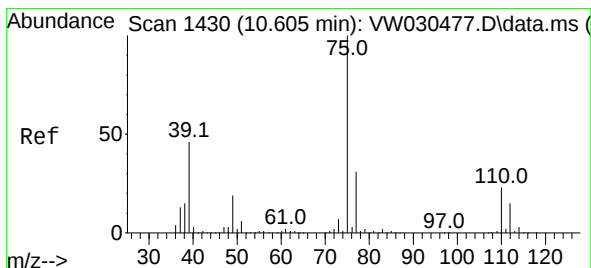
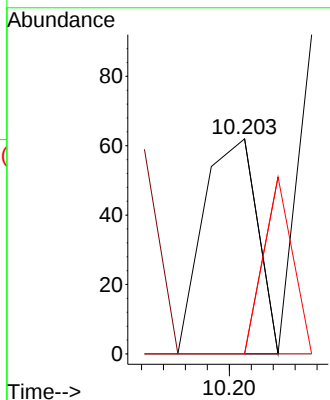
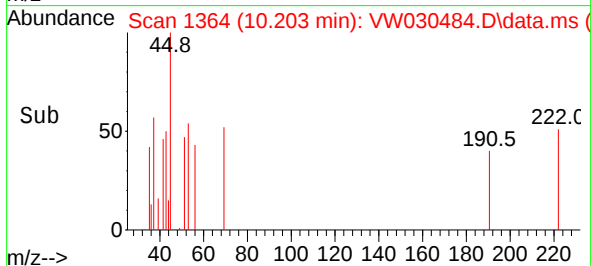
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	43	Resp:	42
Ion Ratio	Lower	Upper	
43	100		
58	0.0	31.4	47.2#
100	0.0	13.1	19.7#



#44

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

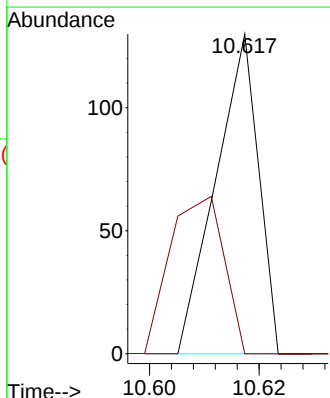
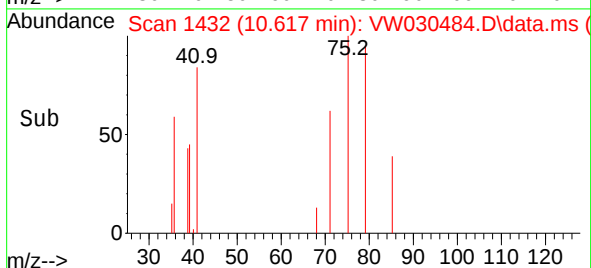
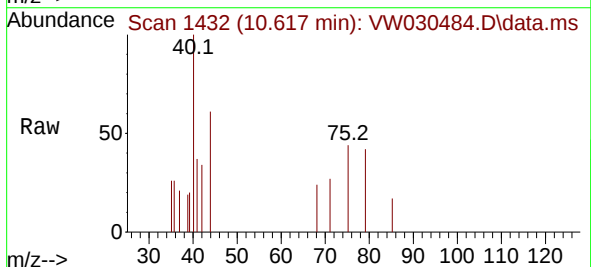
RT: 10.617 min Scan# 1432

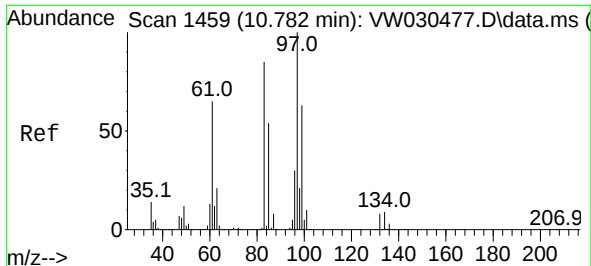
Delta R.T. 0.012 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Tgt Ion:	75	Resp:	70
Ion Ratio	Lower	Upper	
75	100		
77	0.0	21.6	40.2#





#45

1,1,2-Trichloroethane

Concen: 0.636 ug/L

RT: 10.880 min Scan# 1459

Delta R.T. 0.098 min

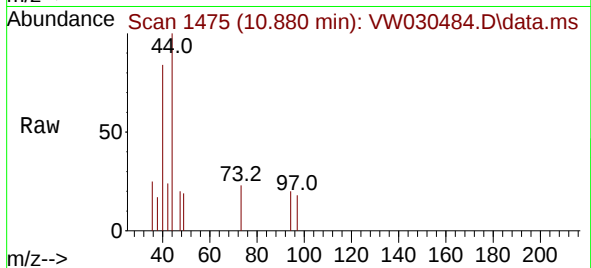
Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 38

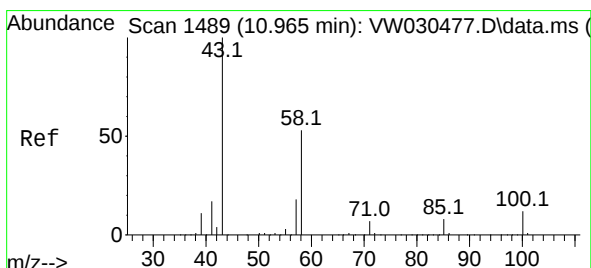
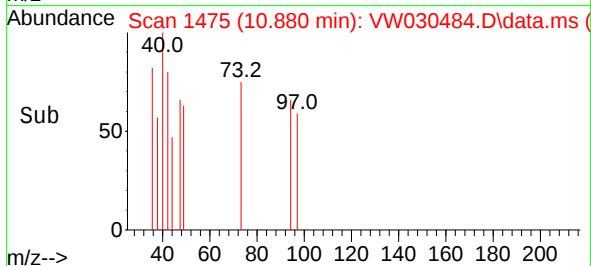
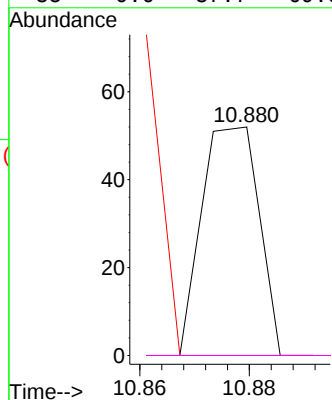
Ion Ratio Lower Upper

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: 9.272 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Tgt Ion: 43 Resp: 301

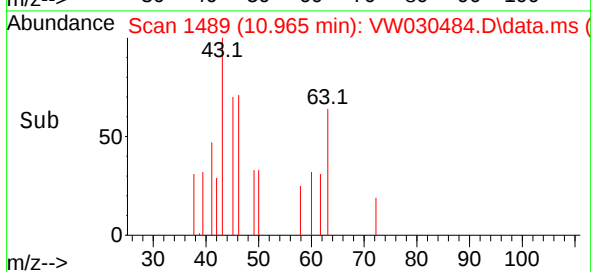
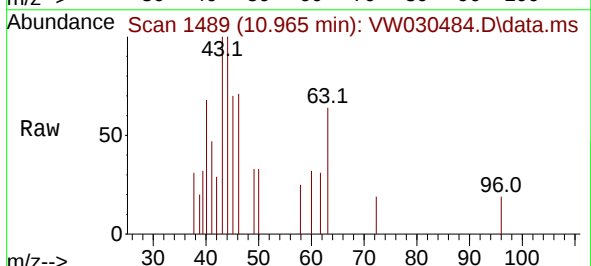
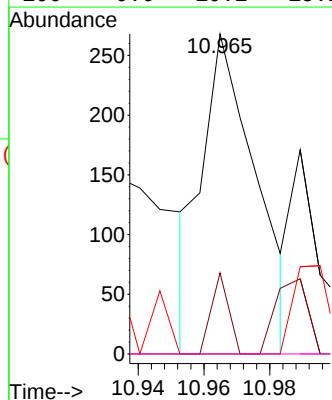
Ion Ratio Lower Upper

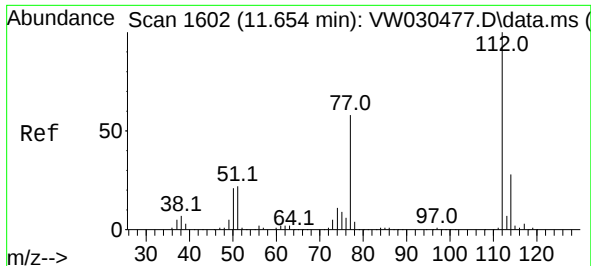
43 100

58 0.0 44.6 67.0#

57 6.3 15.8 23.8#

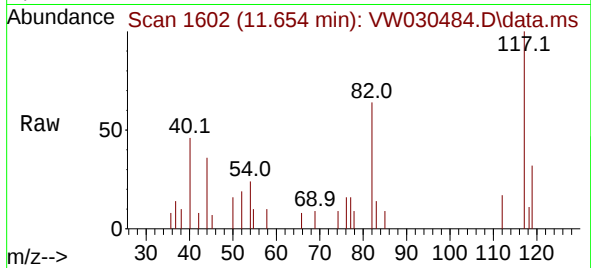
100 0.0 10.2 15.2#



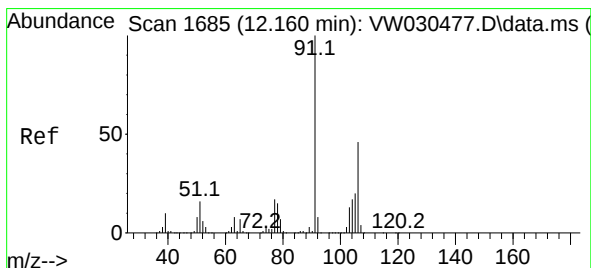
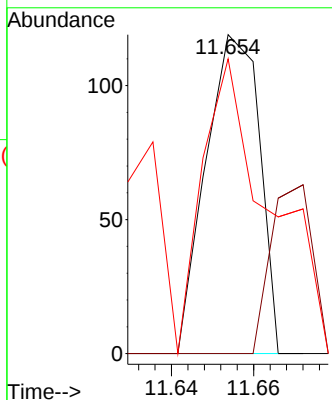
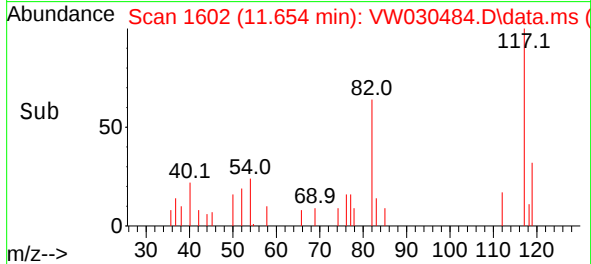


#51
Chlorobenzene
Concen: 0.475 ug/L
RT: 11.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

Instrument :
MSVOA_W
ClientSampleId :

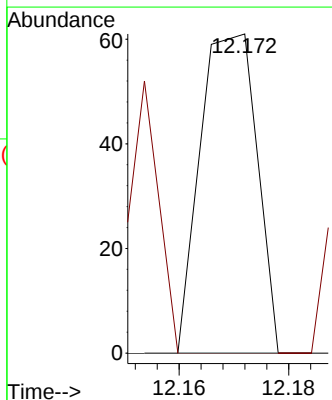
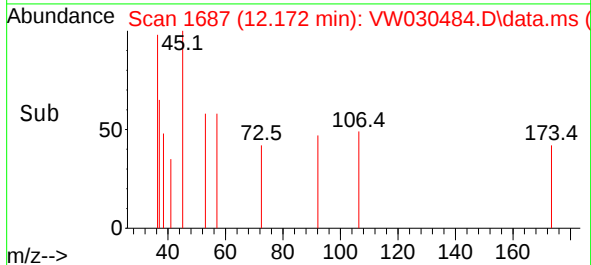
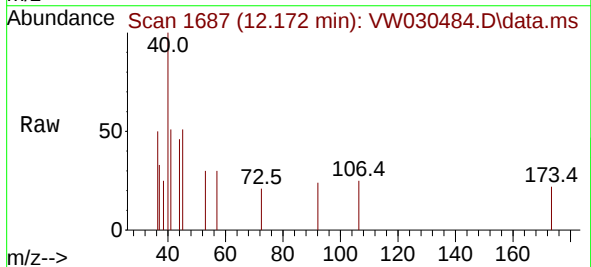


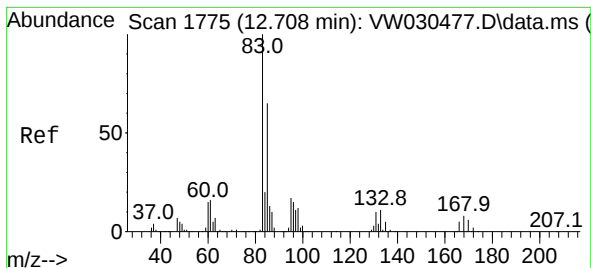
Tgt Ion:112 Resp: 108
Ion Ratio Lower Upper
112 100
114 0.0 22.4 41.6#
77 92.4 47.1 70.7#



#54
o-Xylene
Concen: 0.315 ug/L
RT: 12.172 min Scan# 1687
Delta R.T. 0.012 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

Tgt Ion:106 Resp: 44
Ion Ratio Lower Upper
106 100
91 0.0 144.5 268.4#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.564 ug/L

RT: 12.873 min Scan# 1

Delta R.T. 0.165 min

Lab File: VW030484.D

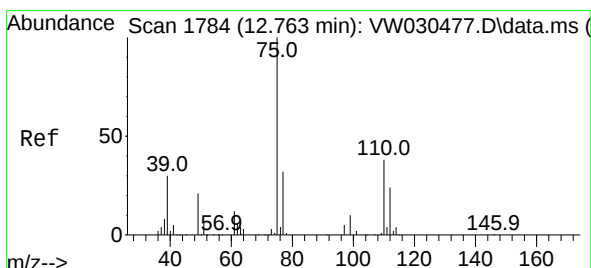
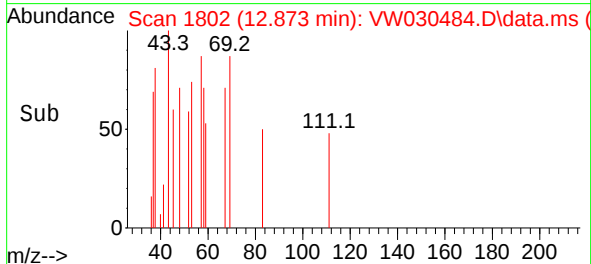
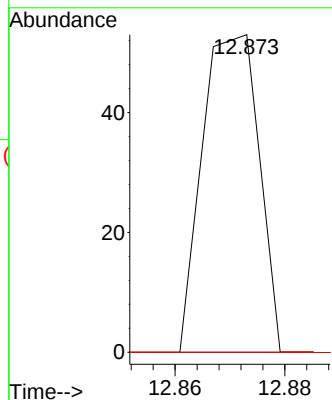
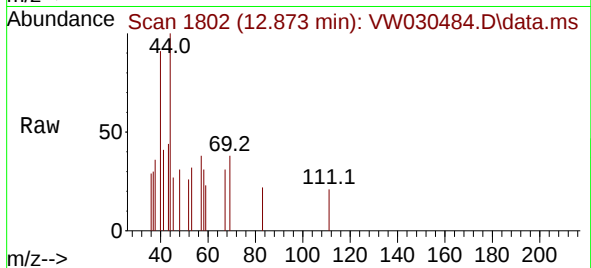
Acq: 09 Oct 2024 19:35

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp:	38
Ion Ratio	Lower	Upper
83	100	
85	0.0	42.6
131	0.0	7.4



#61

1,2,3-Trichloropropane

Concen: 1.597 ug/L

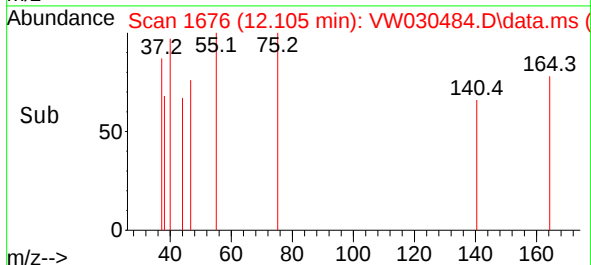
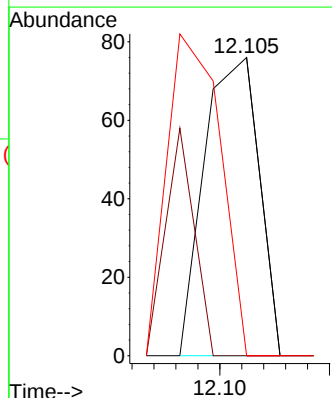
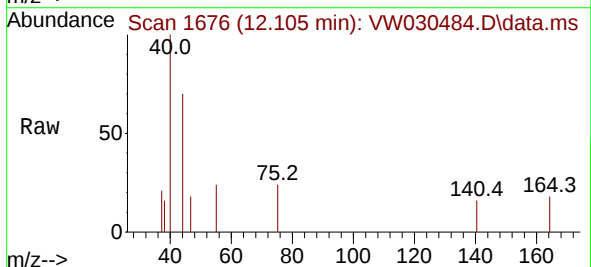
RT: 12.105 min Scan# 1676

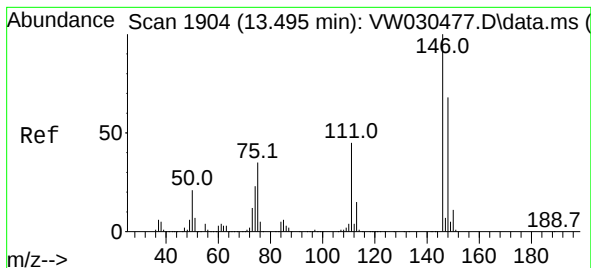
Delta R.T. -0.658 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Tgt Ion: 75	Resp:	53
Ion Ratio	Lower	Upper
75	100	
77	101.9	25.7
110	105.7	32.3





#64

1,3-Dichlorobenzene

Concen: 0.653 ug/L

RT: 13.501 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VW030484.D

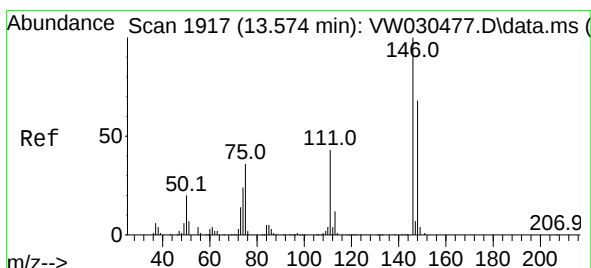
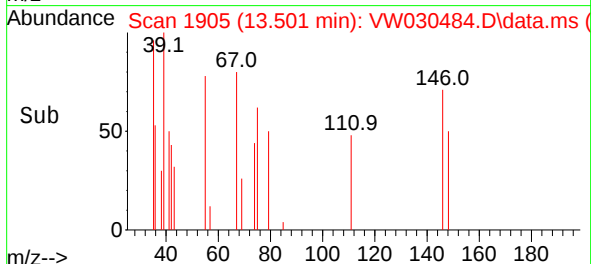
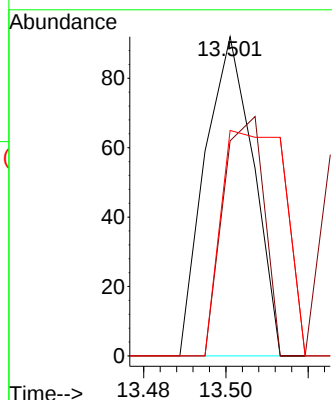
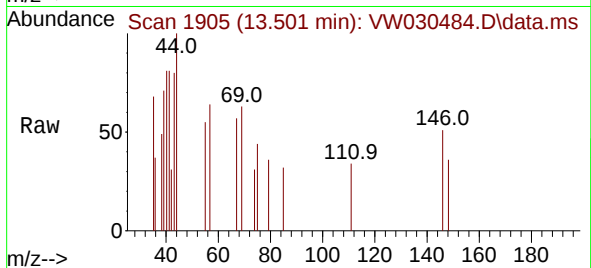
Acq: 09 Oct 2024 19:35

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	75
Ion Ratio	Lower	Upper
146	100	
111	67.4	31.2 58.0#
148	70.7	45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 2.595 ug/L

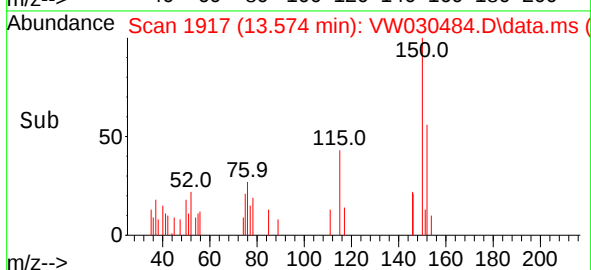
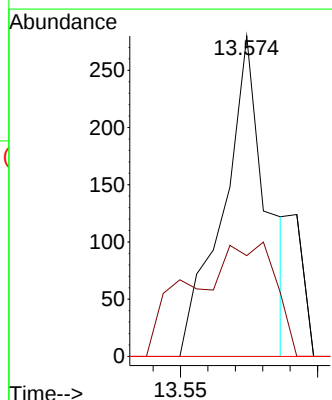
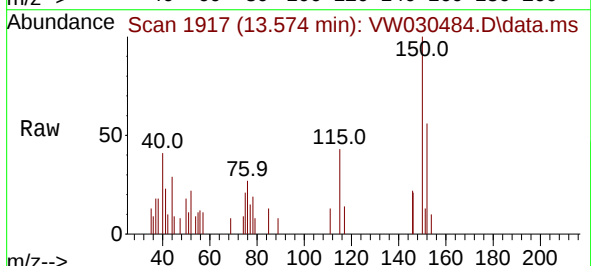
RT: 13.574 min Scan# 1917

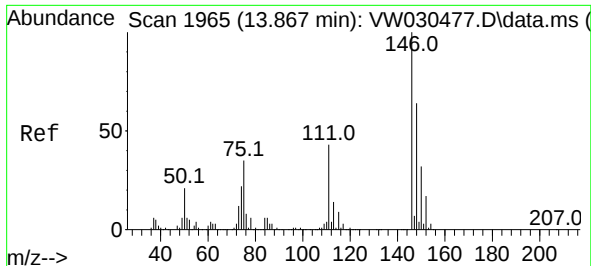
Delta R.T. 0.000 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Tgt Ion:146	Resp:	308
Ion Ratio	Lower	Upper
146	100	
111	31.4	26.8 49.8
148	0.0	41.0 76.2#

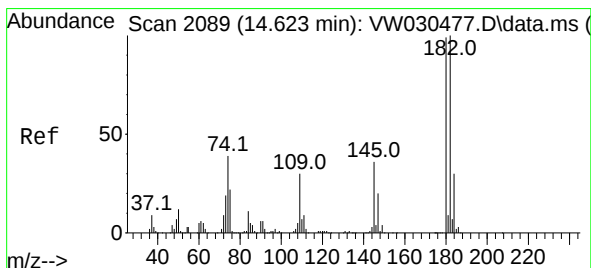
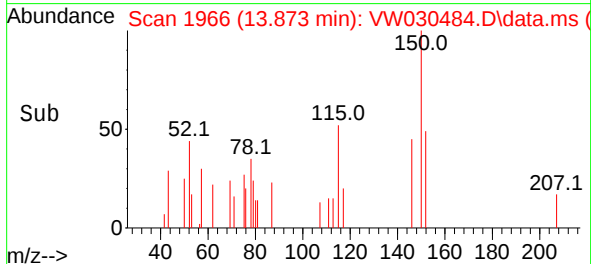
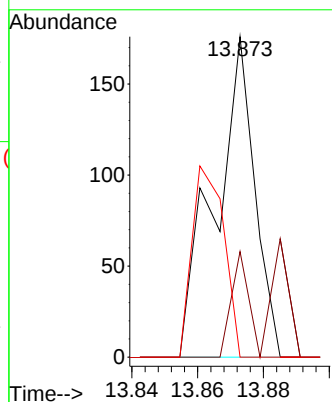
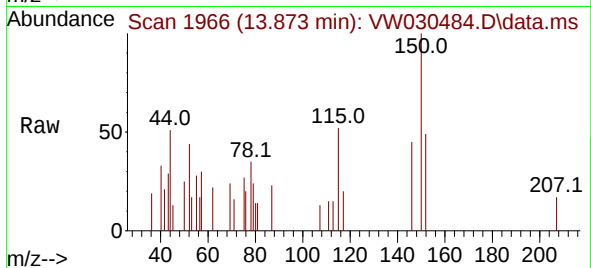




#67
1,2-Dichlorobenzene
Concen: 1.454 ug/L
RT: 13.873 min Scan# 1966
Delta R.T. 0.006 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

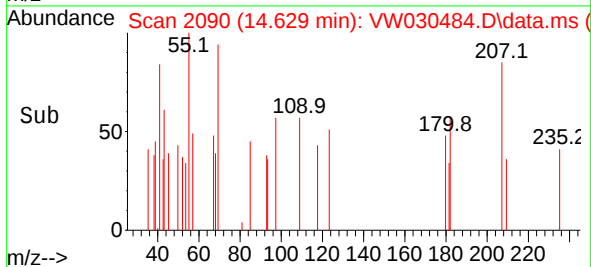
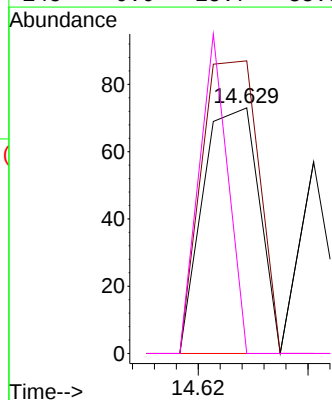
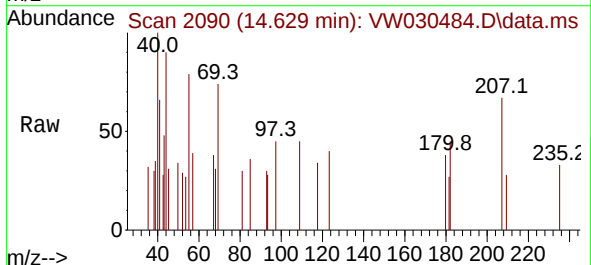
Instrument :
MSVOA_W
ClientSampleId :

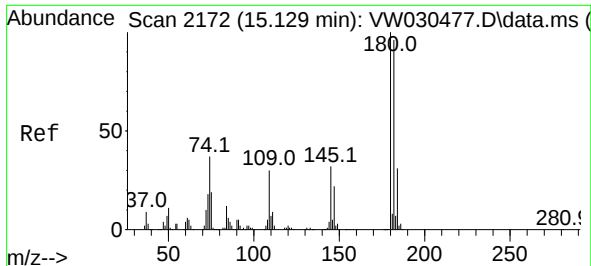
Tgt Ion:146 Resp: 147
Ion Ratio Lower Upper
146 100
111 33.0 34.6 52.0#
148 0.0 53.3 79.9#



#69
1,3,5-Trichlorobenzene
Concen: 0.686 ug/L
RT: 14.629 min Scan# 2090
Delta R.T. 0.006 min
Lab File: VW030484.D
Acq: 09 Oct 2024 19:35

Tgt Ion:180 Resp: 52
Ion Ratio Lower Upper
180 100
182 121.2 79.9 119.9#
184 0.0 25.2 37.8#
145 0.0 25.7 38.5#





#70

1,2,4-trichlorobenzene

Concen: 1.229 ug/L

RT: 15.147 min Scan# 2172

Delta R.T. 0.018 min

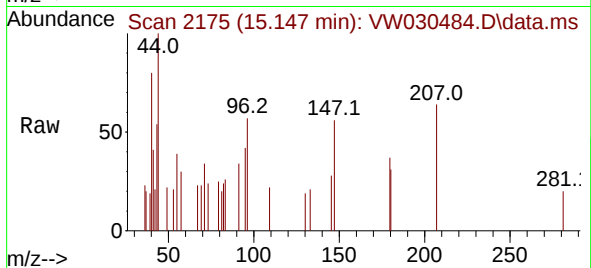
Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Instrument :

MSVOA_W

ClientSampleId :



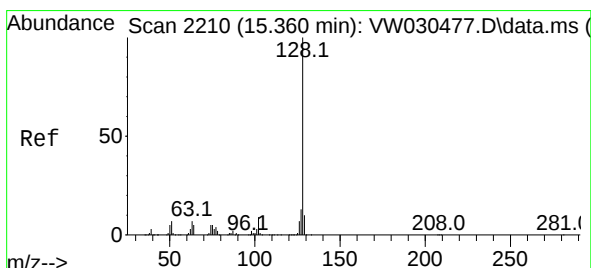
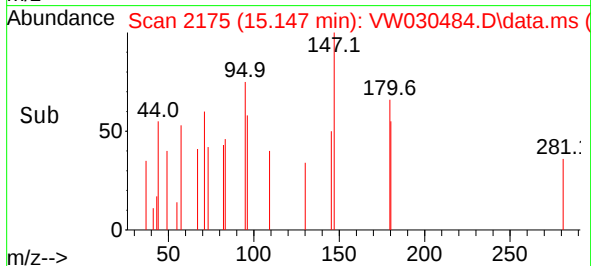
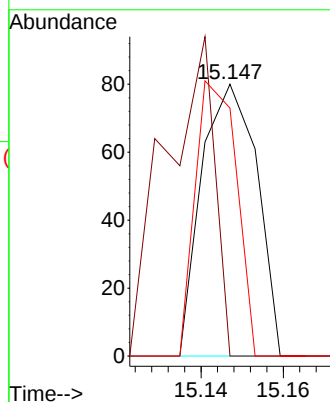
Tgt Ion:180 Resp: 75

Ion Ratio Lower Upper

180 100

182 104.0 75.2 112.8

145 74.7 25.4 38.2#



#71

Naphthalene

Concen: 1.755 ug/L

RT: 15.367 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VW030484.D

Acq: 09 Oct 2024 19:35

Tgt Ion:128 Resp: 185

Ion Ratio Lower Upper

128 100

127 0.0 10.9 16.3#

129 0.0 8.8 13.2#

