

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102424\
 Data File : VW030754.D
 Acq On : 24 Oct 2024 19:06
 Operator : SY/MD
 Sample : P4493-02MS
 Misc : 4.80g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4F31MS

Quant Time: Oct 25 01:47:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 25 01:42:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	410706	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	271283	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	79820	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	69349	10.742	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	42.960%
7) Chloroethane-d5	2.899	69	77640	15.888	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.560%
11) 1,1-Dichloroethene-d2	4.021	65	30341	11.300	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	45.200%
21) 2-Butanone-d5	7.075	46	53891	46.387	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.780%
24) Chloroform-d	7.654	84	241032	20.521	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.080%
26) 1,2-Dichloroethane-d4	8.307	65	123156	20.164	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.640%
32) Benzene-d6	8.276	84	348511	22.134	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.520%
36) 1,2-Dichloropropane-d6	9.270	67	127749	27.643	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.560%
41) Toluene-d8	10.325	98	243742	16.958	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	67.840%
43) trans-1,3-Dichloroprop...	10.575	79	43883	22.677	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.720%
47) 2-Hexanone-d5	10.922	63	41714	70.080	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.160%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	97818	28.821	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.280%
66) 1,2-Dichlorobenzene-d4	13.848	152	56852	21.050	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	81704	15.571	ug/L	94
3) Chloromethane	2.222	50	98401	16.135	ug/L	98
5) Vinyl chloride	2.375	62	126997	16.933	ug/L	94
6) Bromomethane	2.796	94	86358	17.494	ug/L	96
8) Chloroethane	2.936	64	84787	18.493	ug/L	98
9) Trichlorofluoromethane	3.271	101	124714	18.584	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	102862	17.037	ug/L	99
12) 1,1-Dichloroethene	4.045	96	94604	17.169	ug/L	89
13) Acetone	4.118	43	31203	18.345	ug/L	99
14) Carbon disulfide	4.387	76	192994	10.726	ug/L	100
15) Methyl Acetate	4.673	43	35411	16.854	ug/L	99
16) Methylene chloride	4.917	84	111296	17.925	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	100649	16.928	ug/L	92
18) Methyl tert-butyl Ether	5.435	73	181487	21.809	ug/L	99
19) 1,1-Dichloroethane	6.222	63	217429	19.675	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	120224	18.957	ug/L	95
22) 2-Butanone	7.173	43	50702	27.654	ug/L	97
23) Bromochloromethane	7.514	128	49069	17.686	ug/L #	81
25) Chloroform	7.673	83	226797	19.205	ug/L	98

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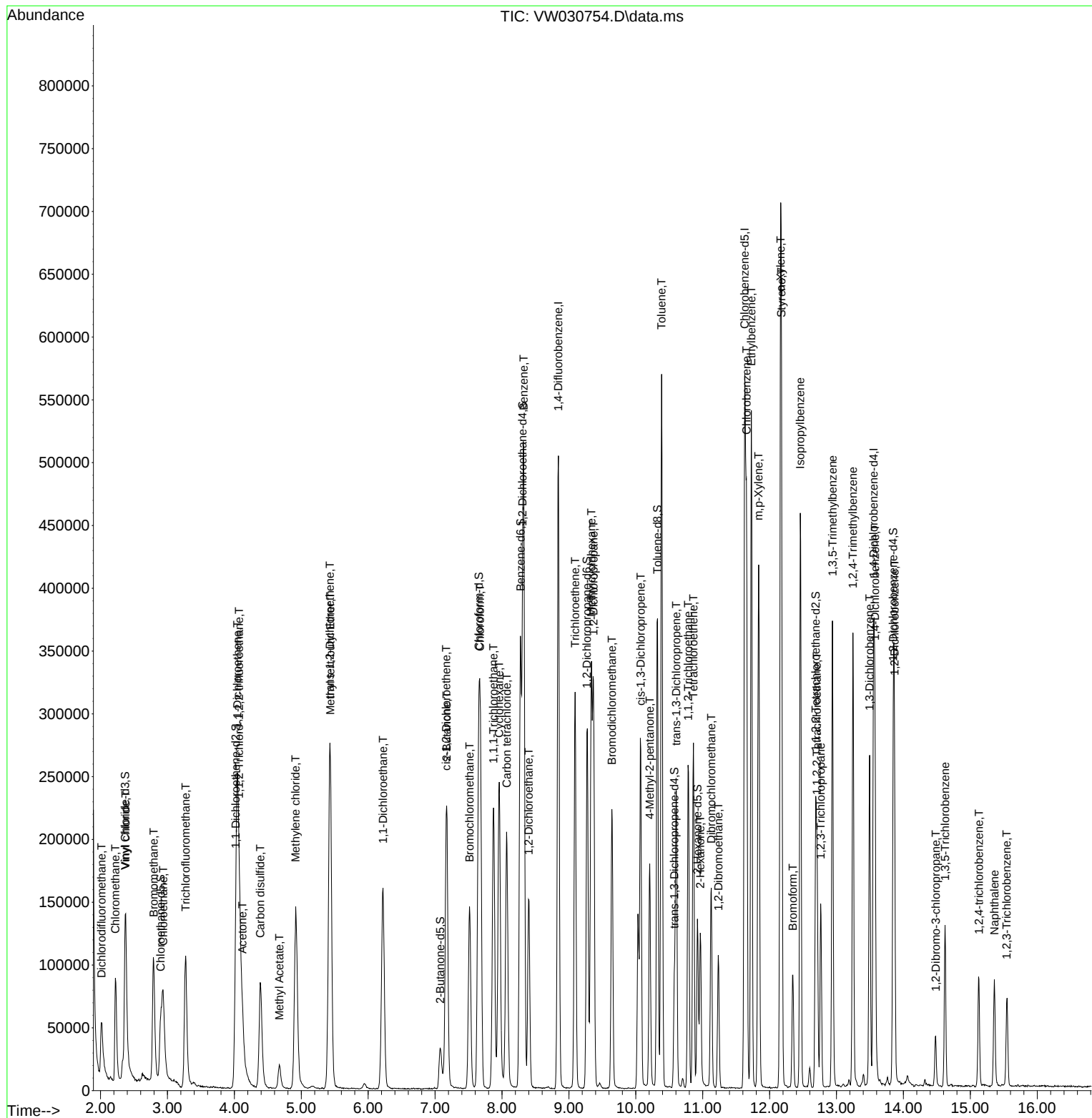
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	137998	17.713	ug/L	100
29) Cyclohexane	7.959	56	132642	20.086	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	180979	25.131	ug/L	98
31) Carbon tetrachloride	8.069	117	146664	22.802	ug/L	98
33) Benzene	8.325	78	435747	24.683	ug/L	100
34) Trichloroethene	9.093	95	107627	21.914	ug/L	98
35) Methylcyclohexane	9.337	83	128282	16.597	ug/L	98
37) 1,2-Dichloropropane	9.368	63	113077	25.646	ug/L	100
38) Bromodichloromethane	9.642	83	145867	24.866	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	153572	23.091	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	113131	53.409	ug/L	99
42) Toluene	10.386	91	412228	21.887	ug/L	95
44) trans-1,3-Dichloropropene	10.605	75	123788	22.150	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	76806	24.103	ug/L	98
46) Tetrachloroethene	10.861	164	57515	15.877	ug/L	94
48) 2-Hexanone	10.965	43	80295	46.354	ug/L	96
49) Dibromochloromethane	11.129	129	80401	22.612	ug/L	96
50) 1,2-Dibromoethane	11.233	107	67229	22.610	ug/L	96
51) Chlorobenzene	11.654	112	219316	18.089	ug/L	98
52) Ethylbenzene	11.727	91	358248	16.670	ug/L	100
53) m,p-Xylene	11.837	106	127640	15.853	ug/L	90
54) o-Xylene	12.166	106	128246	17.229	ug/L	95
55) Styrene	12.178	104	198360	15.588	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	73095	20.341	ug/L	92
59) Bromoform	12.349	173	40402	36.027	ug/L	97
60) Isopropylbenzene	12.458	105	285825	23.123	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	55796	35.923	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	185113	18.982	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	184432	19.316	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	99108	18.420	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	99203	17.856	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	88154	18.619	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	9858	28.464	ug/L	89
69) 1,3,5-Trichlorobenzene	14.623	180	35660	10.051	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	25659	8.983	ug/L	99
71) Naphthalene	15.360	128	67572	13.693	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	21345	8.620	ug/L	97

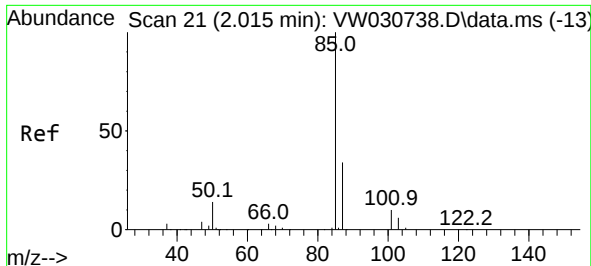
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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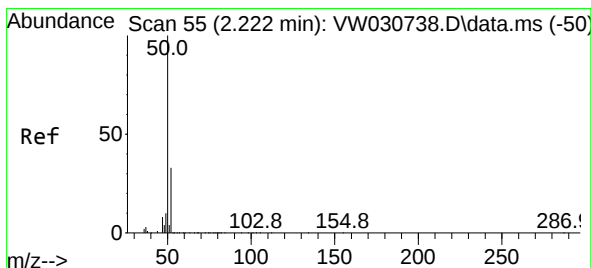
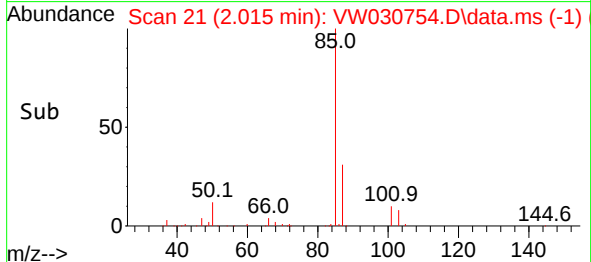
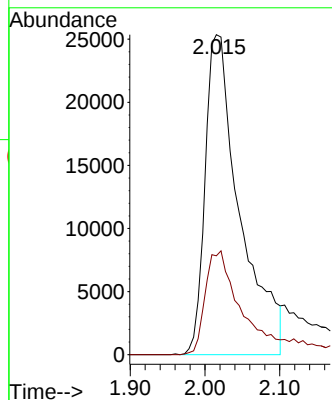
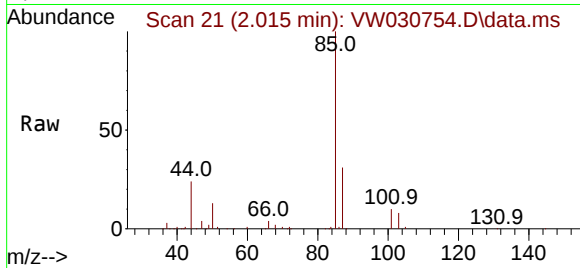




#2
 Dichlorodifluoromethane
 Concen: 15.571 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

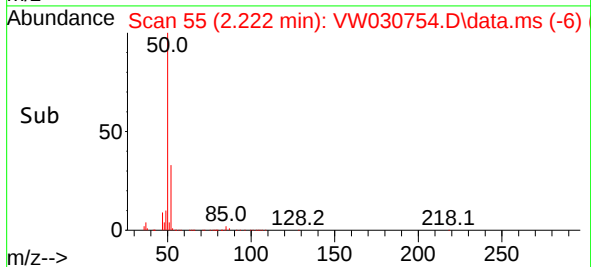
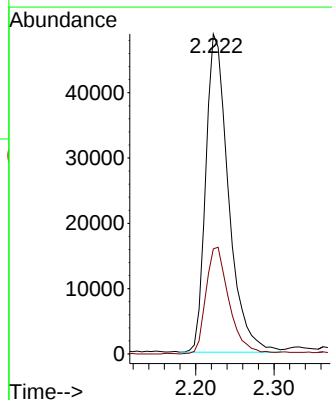
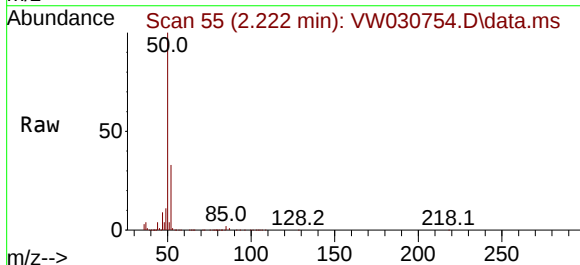
Instrument :
 MSVOA_W
 ClientSampleId :
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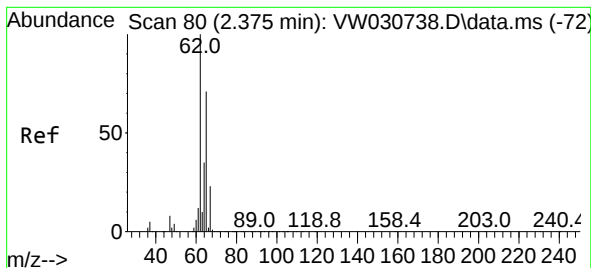
Tgt Ion: 85 Resp: 81704
 Ion Ratio Lower Upper
 85 100
 87 32.9 23.8 35.6



#3
 Chloromethane
 Concen: 16.135 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

Tgt Ion: 50 Resp: 98401
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.7 43.9





#5

Vinyl chloride

Concen: 16.933 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

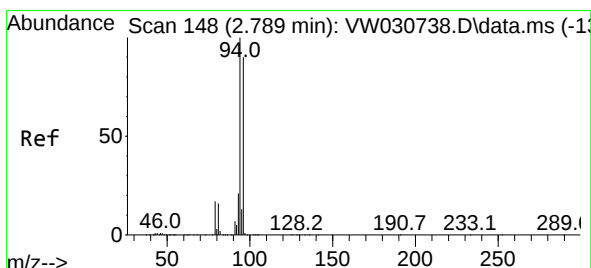
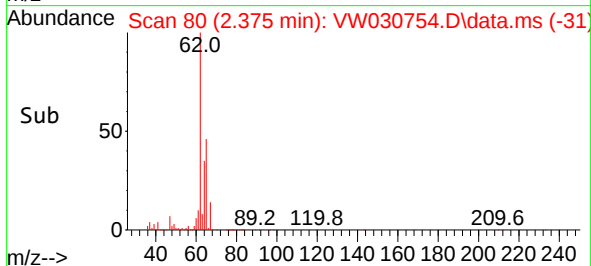
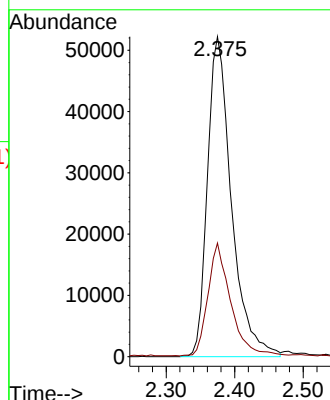
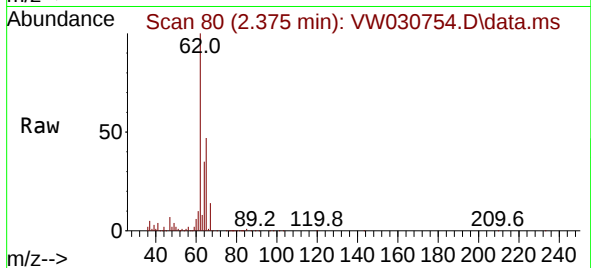
A4F31MS

Tgt Ion: 62 Resp: 126997

Ion Ratio Lower Upper

62 100

64 35.5 22.6 42.0



#6

Bromomethane

Concen: 17.494 ug/L

RT: 2.796 min Scan# 149

Delta R.T. 0.006 min

Lab File: VW030754.D

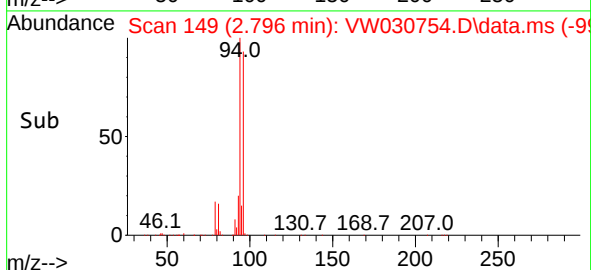
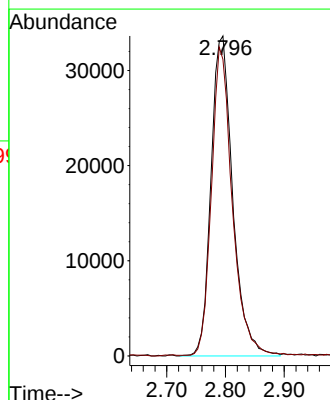
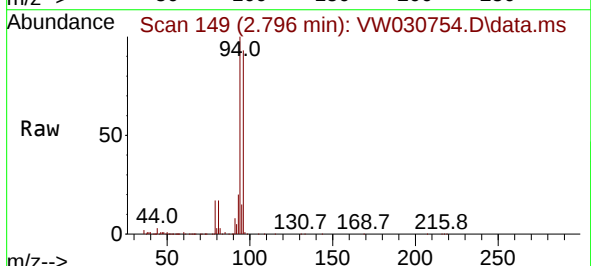
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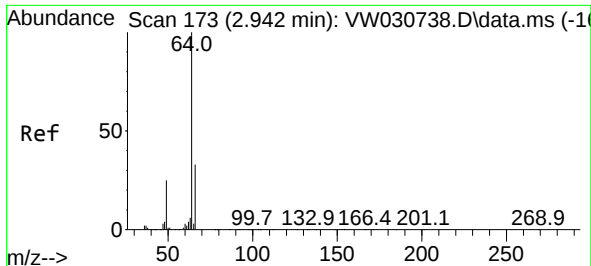
Tgt Ion: 94 Resp: 86358

Ion Ratio Lower Upper

94 100

96 92.7 62.6 116.2

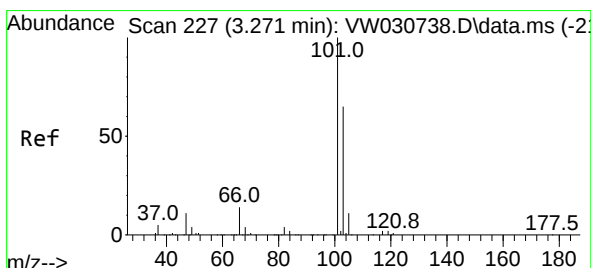
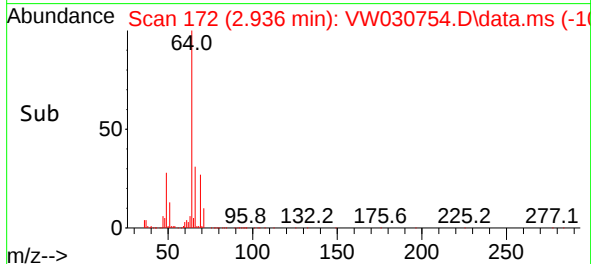
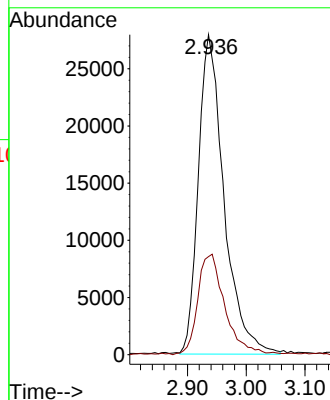
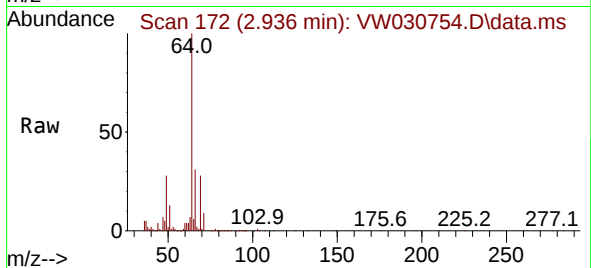




#8
Chloroethane
Concen: 18.493 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

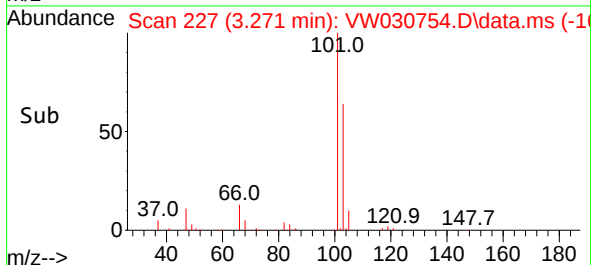
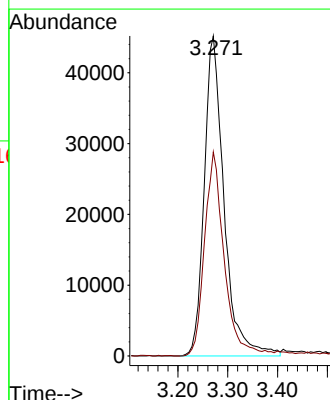
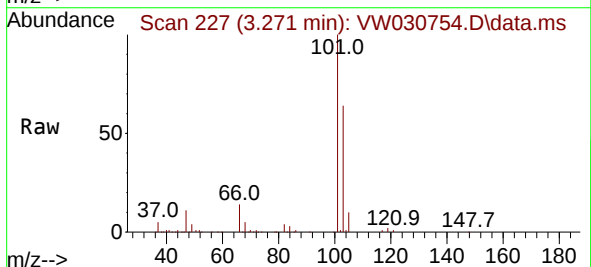
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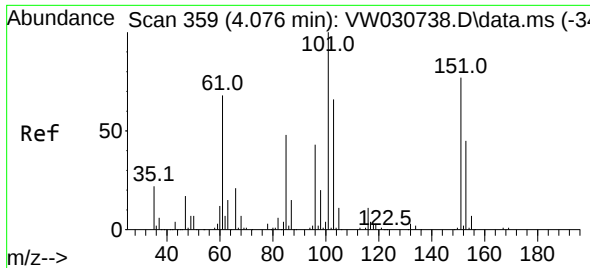
Tgt Ion: 64 Resp: 84787
Ion Ratio Lower Upper
64 100
66 30.7 22.3 41.5



#9
Trichlorofluoromethane
Concen: 18.584 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion: 101 Resp: 124714
Ion Ratio Lower Upper
101 100
103 62.8 51.1 76.7

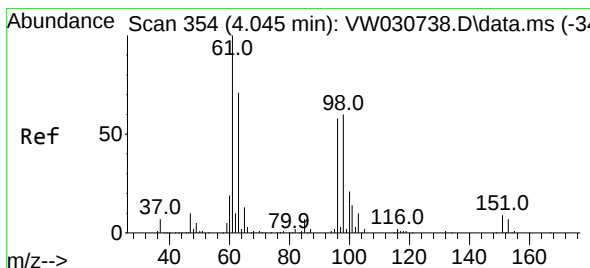
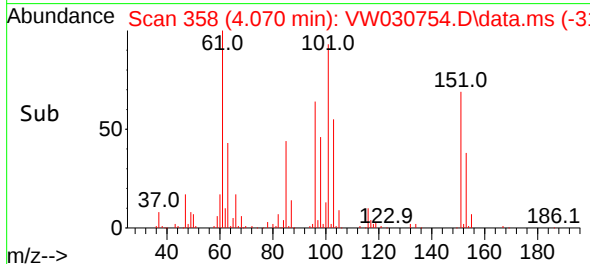
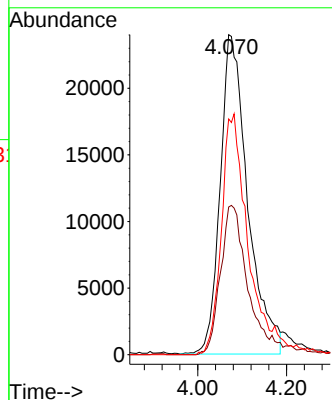
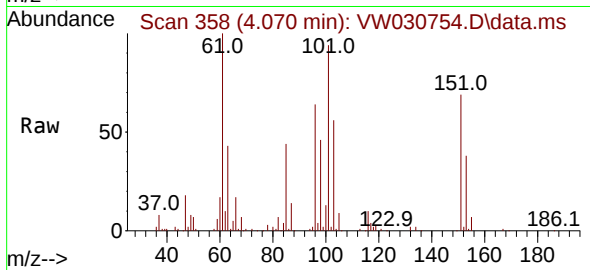




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 17.037 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

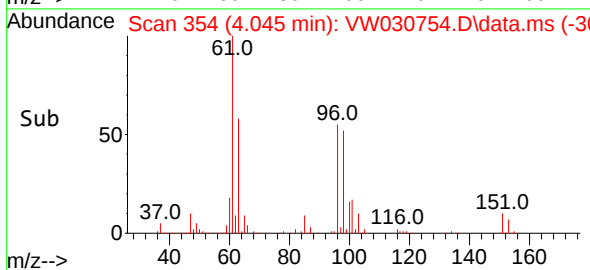
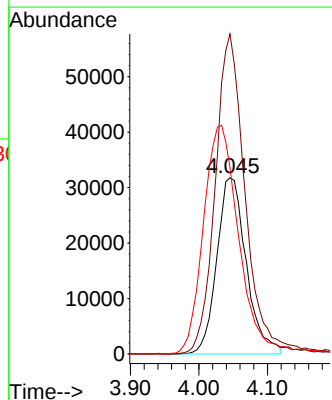
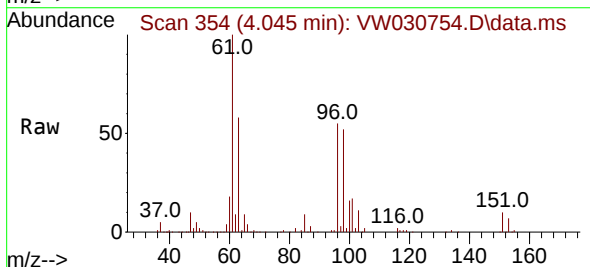
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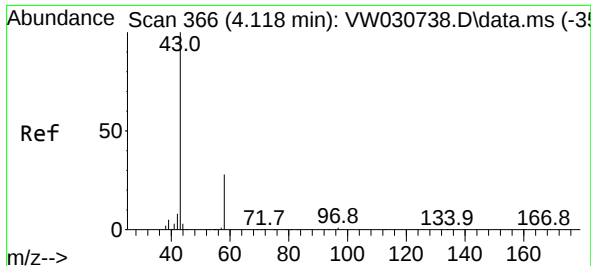
Tgt Ion:101 Resp: 102862
 Ion Ratio Lower Upper
 101 100
 85 44.8 35.7 53.5
 151 69.3 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 17.169 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

Tgt Ion: 96 Resp: 94604
 Ion Ratio Lower Upper
 96 100
 61 181.6 121.3 225.3
 63 106.0 87.6 162.8

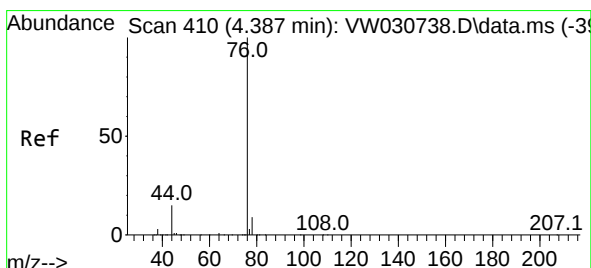
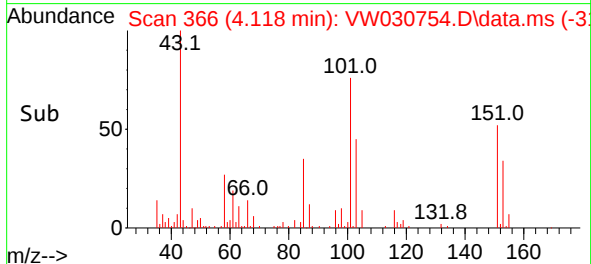
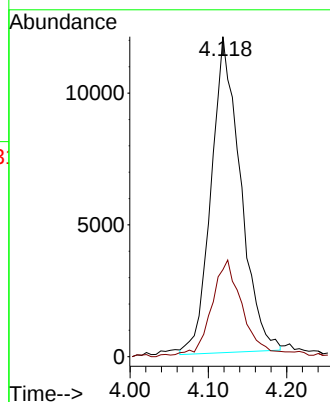
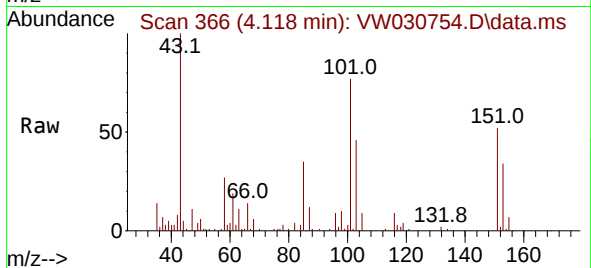




#13
Acetone
Concen: 18.345 ug/L
RT: 4.118 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW030754.D
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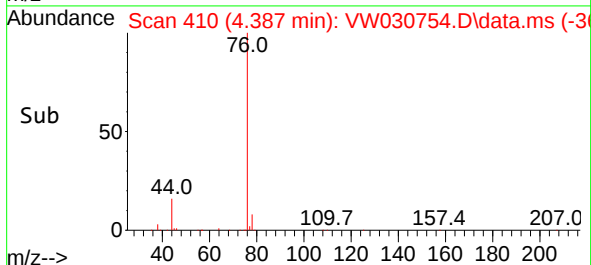
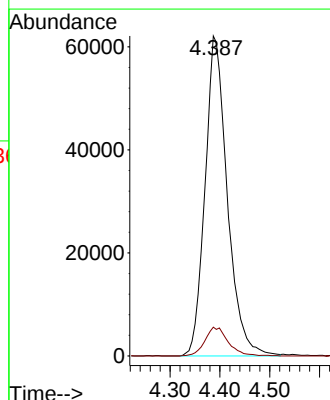
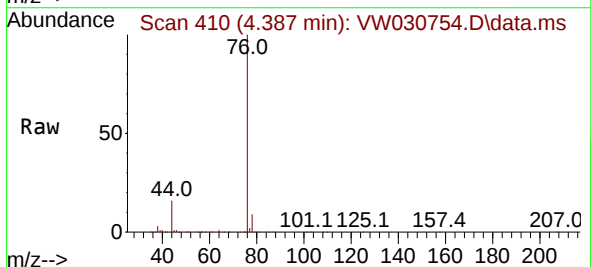
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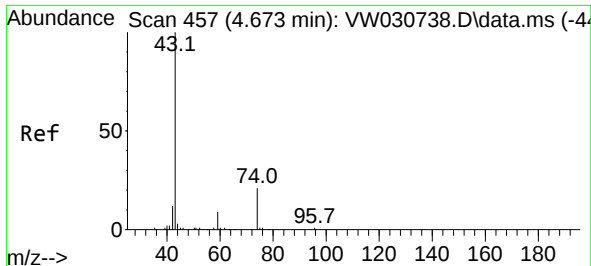
Tgt Ion: 43 Resp: 31203
Ion Ratio Lower Upper
43 100
58 28.2 0.0 57.6



#14
Carbon disulfide
Concen: 10.726 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 192994
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

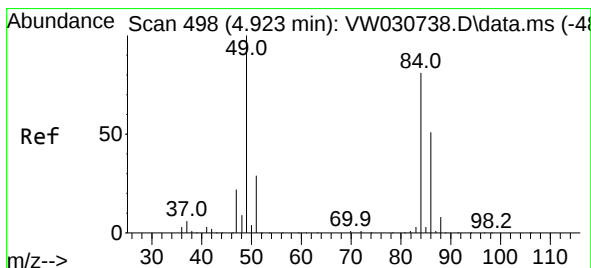
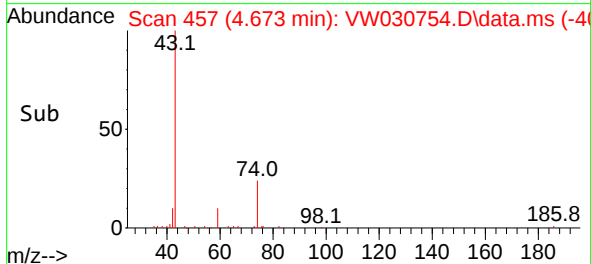
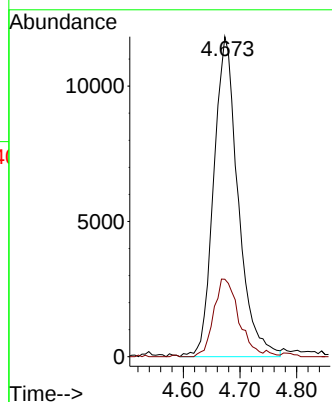
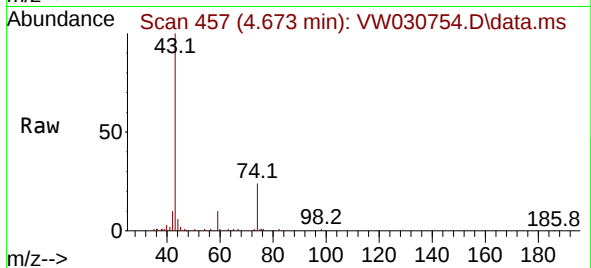




#15
Methyl Acetate
Concen: 16.854 ug/L
RT: 4.673 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

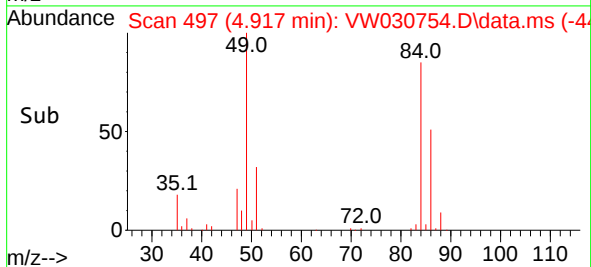
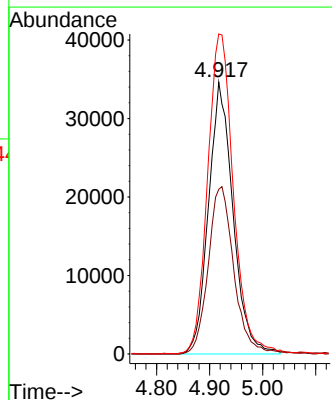
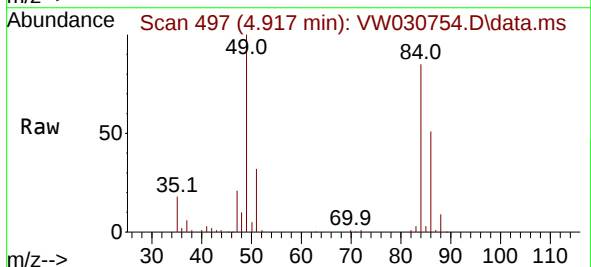
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

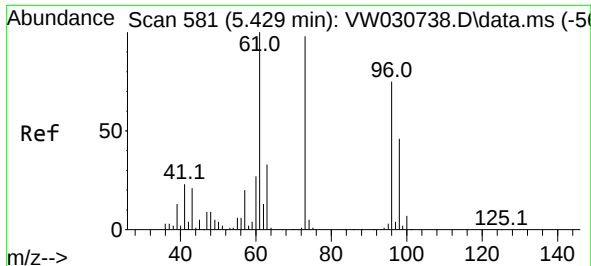
Tgt Ion: 43 Resp: 35411
Ion Ratio Lower Upper
43 100
74 24.7 19.3 28.9



#16
Methylene chloride
Concen: 17.925 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion: 84 Resp: 111296
Ion Ratio Lower Upper
84 100
86 60.6 43.8 81.3
49 117.7 88.3 164.1

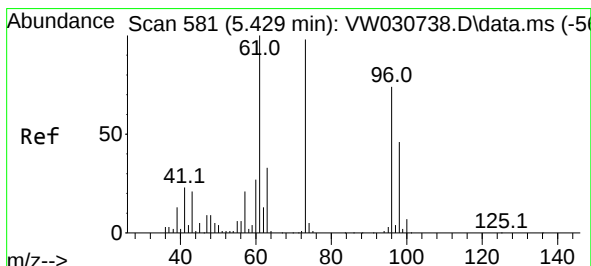
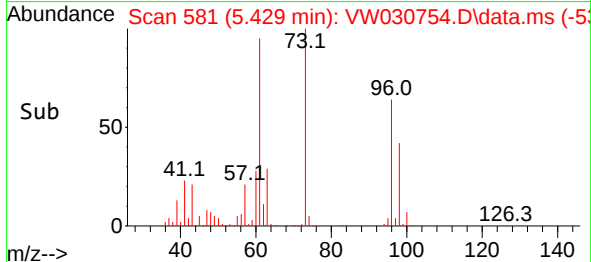
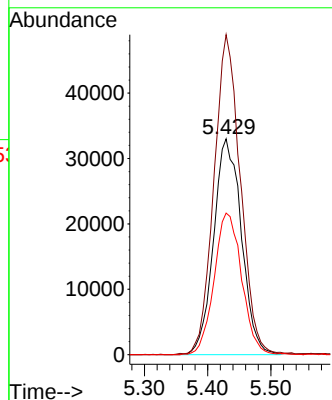
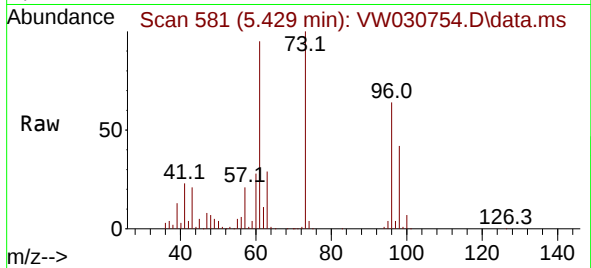




#17
trans-1,2-Dichloroethene
Concen: 16.928 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

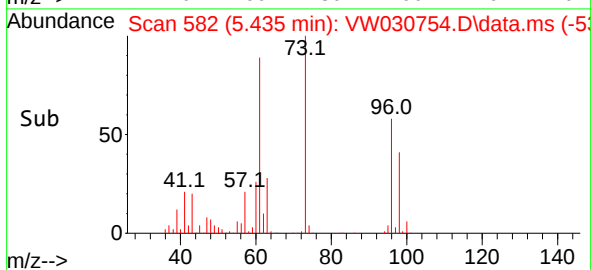
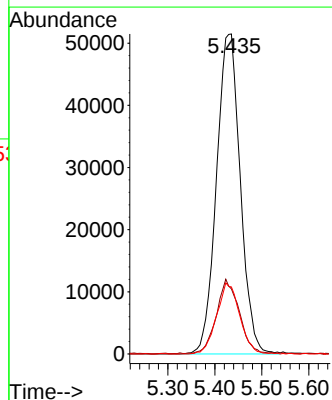
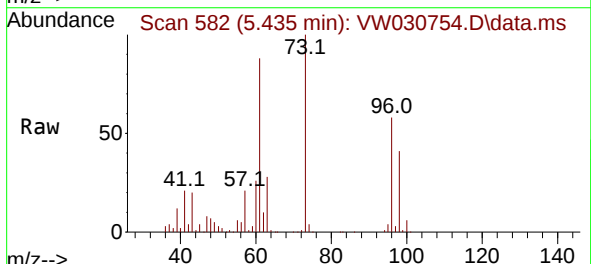
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

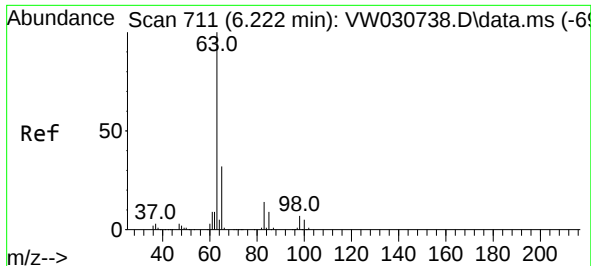
Tgt Ion: 96 Resp: 100649
Ion Ratio Lower Upper
96 100
61 148.3 96.9 179.9
98 65.6 42.2 78.4



#18
Methyl tert-butyl Ether
Concen: 21.809 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion: 73 Resp: 181487
Ion Ratio Lower Upper
73 100
43 22.1 18.1 27.1
57 21.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 19.675 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

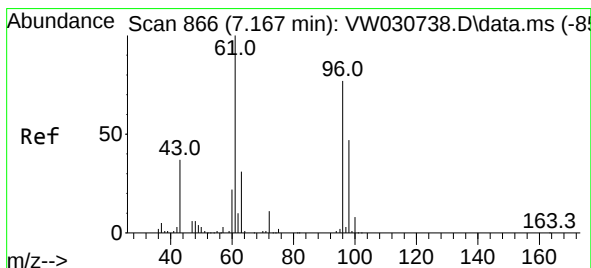
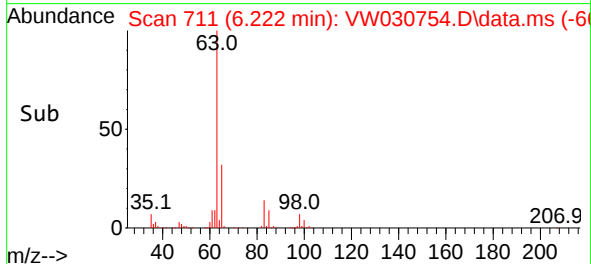
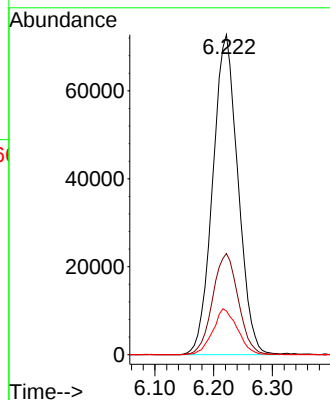
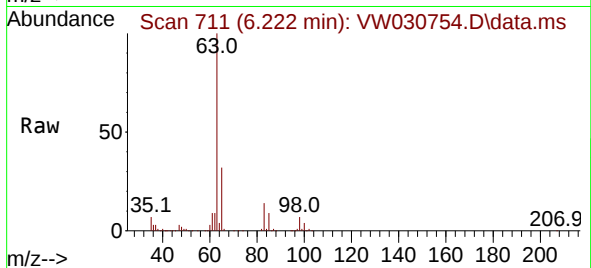
Tgt Ion: 63 Resp: 217429

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.9

83 13.6 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 18.957 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

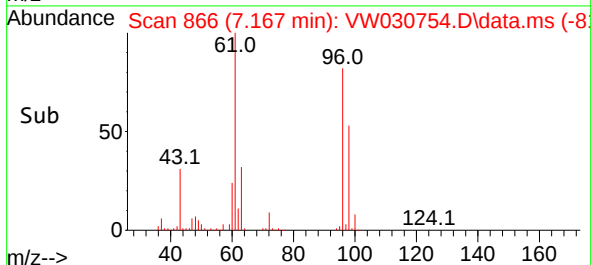
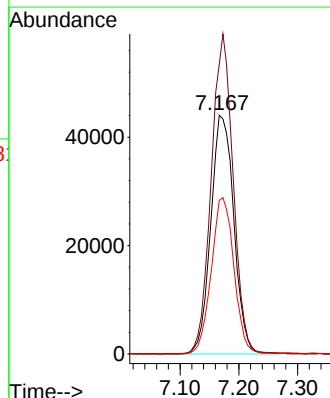
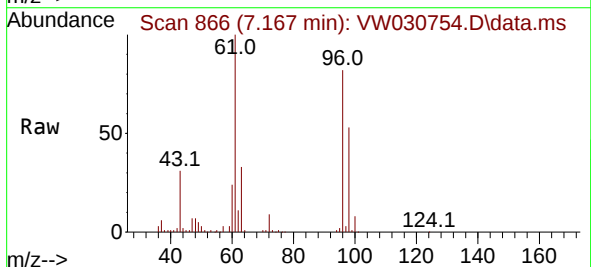
Tgt Ion: 96 Resp: 120224

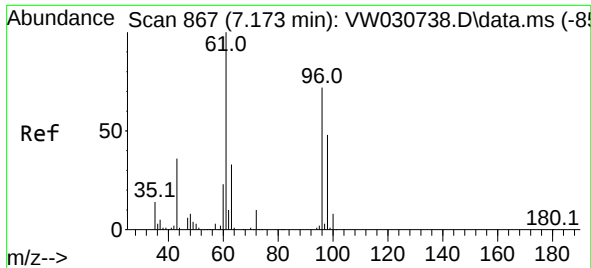
Ion Ratio Lower Upper

96 100

61 121.2 88.3 163.9

98 64.3 41.3 76.7

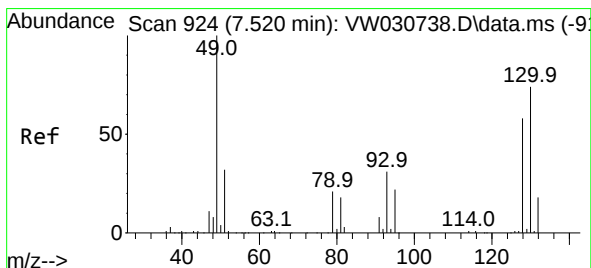
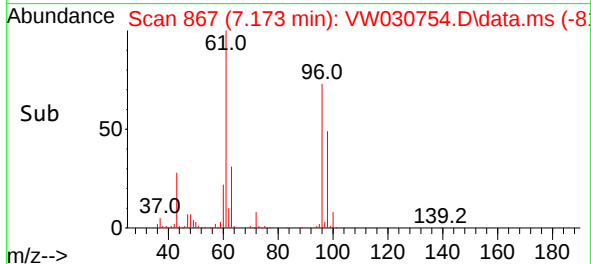
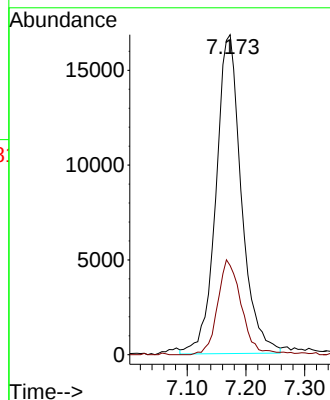
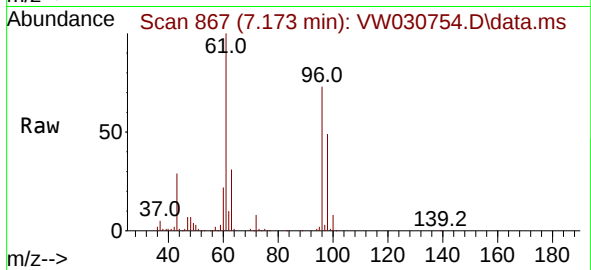




#22
2-Butanone
Concen: 27.654 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

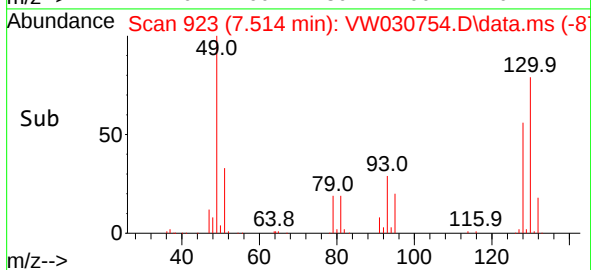
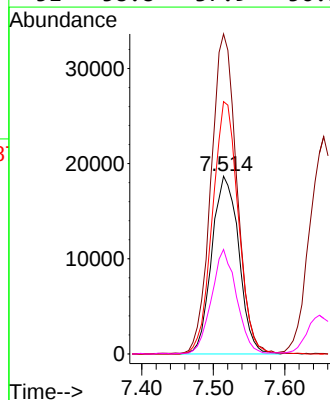
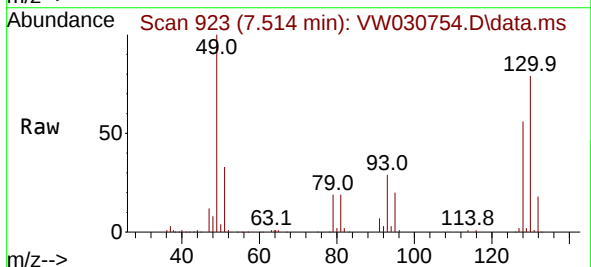
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

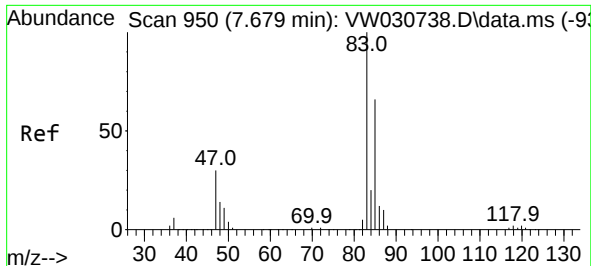
Tgt Ion: 43 Resp: 50702
Ion Ratio Lower Upper
43 100
72 26.9 14.4 43.0



#23
Bromochloromethane
Concen: 17.686 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion: 128 Resp: 49069
Ion Ratio Lower Upper
128 100
49 180.0 110.1 204.5
130 142.0 82.9 153.9
51 58.8 37.9 56.9#

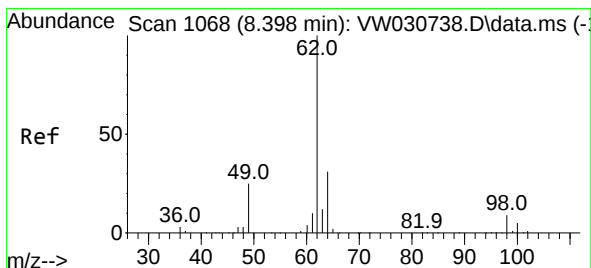
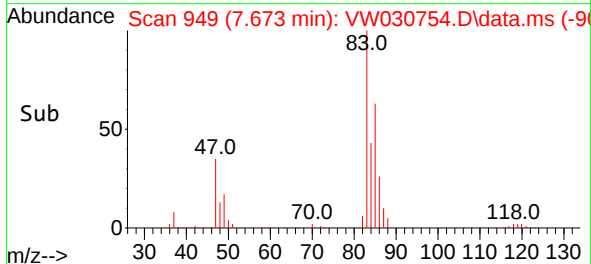
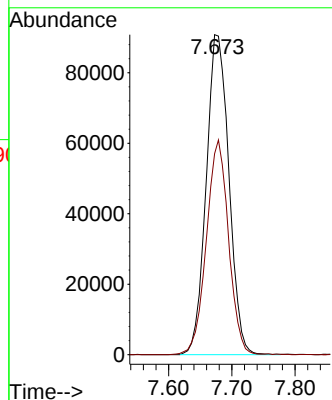
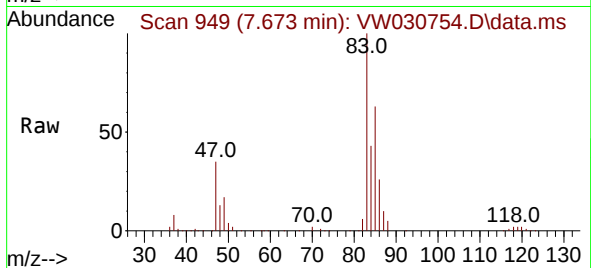




#25
Chloroform
Concen: 19.205 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

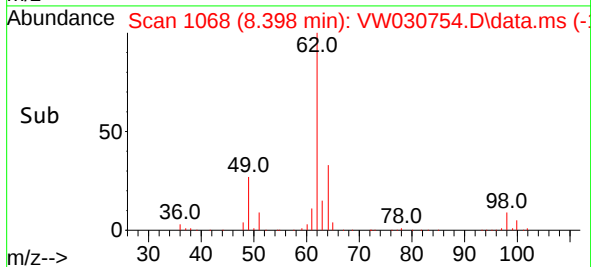
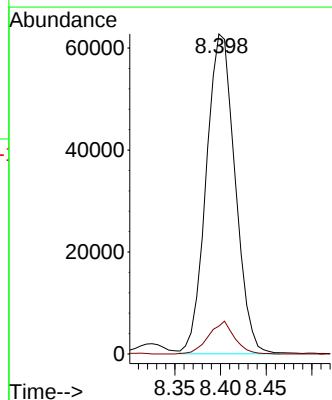
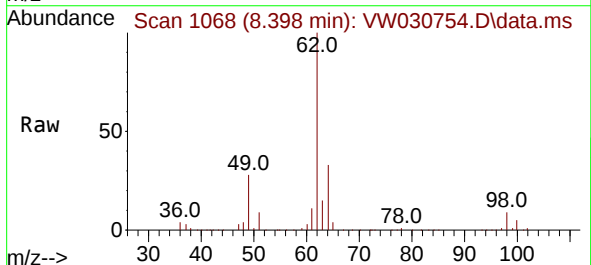
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

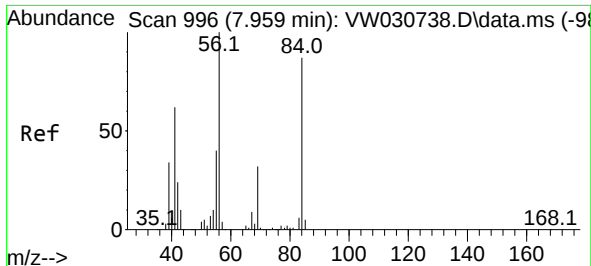
Tgt Ion: 83 Resp: 226797
Ion Ratio Lower Upper
83 100
85 62.8 45.1 83.7



#27
1,2-Dichloroethane
Concen: 17.713 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion: 62 Resp: 137998
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6





#29

Cyclohexane

Concen: 20.086 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

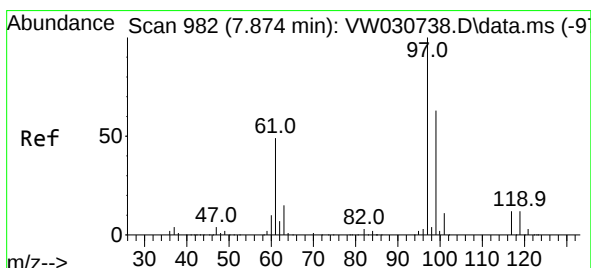
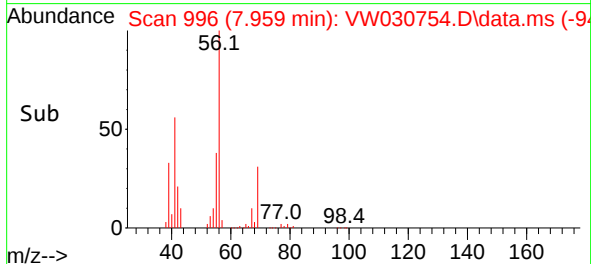
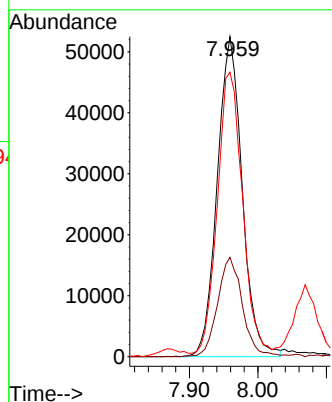
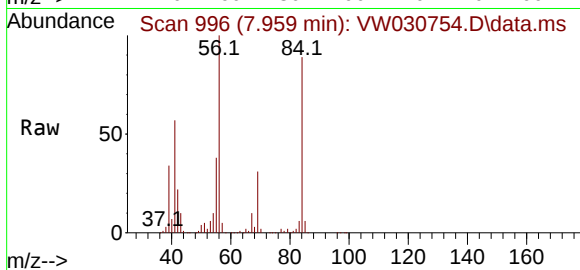
Tgt Ion: 56 Resp: 132642

Ion Ratio Lower Upper

56 100

69 30.8 25.4 38.0

84 89.4 72.3 108.5



#30

1,1,1-Trichloroethane

Concen: 25.131 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

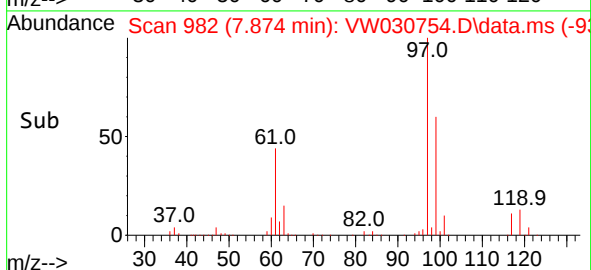
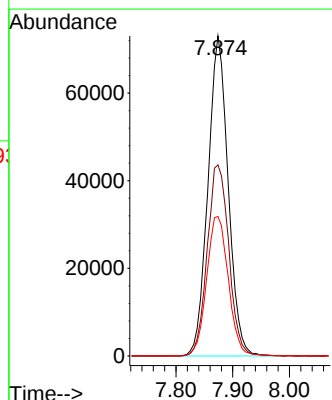
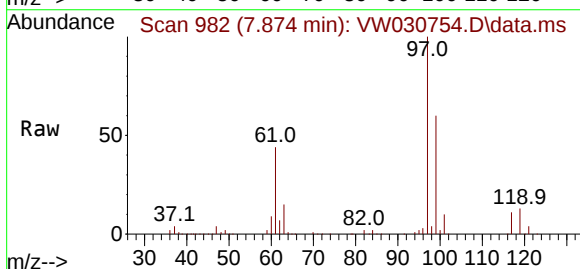
Tgt Ion: 97 Resp: 180979

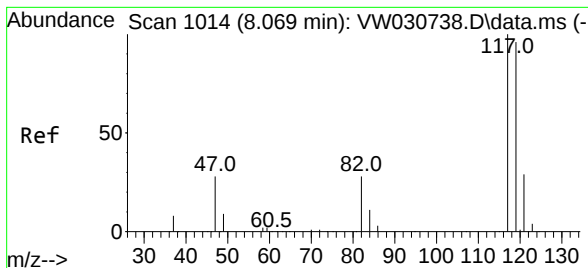
Ion Ratio Lower Upper

97 100

99 63.6 52.3 78.5

61 46.8 38.5 57.7

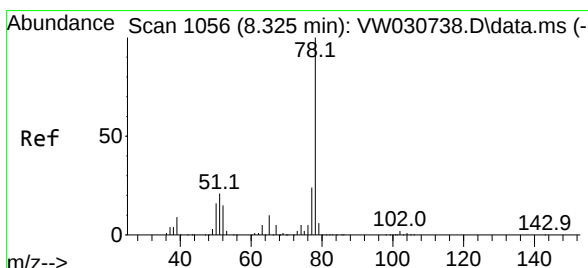
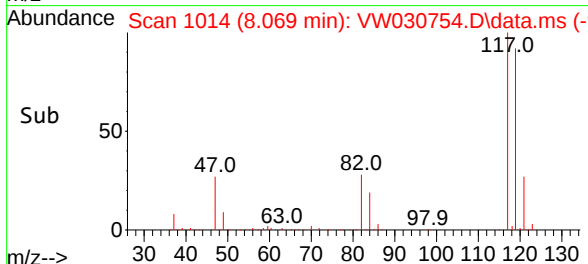
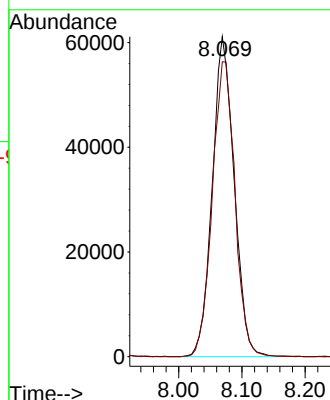
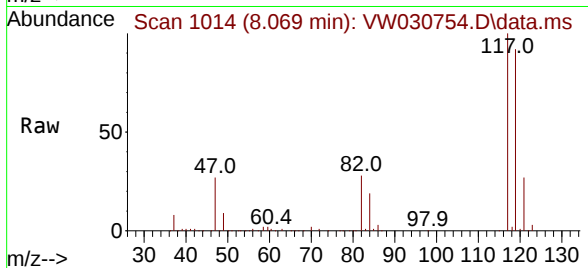




#31
Carbon tetrachloride
Concen: 22.802 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

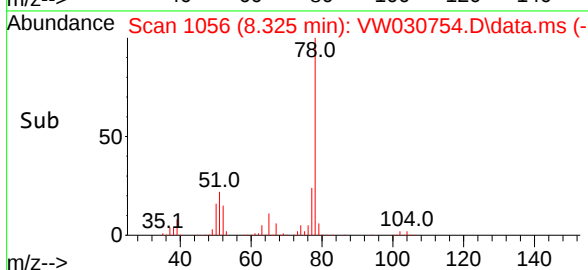
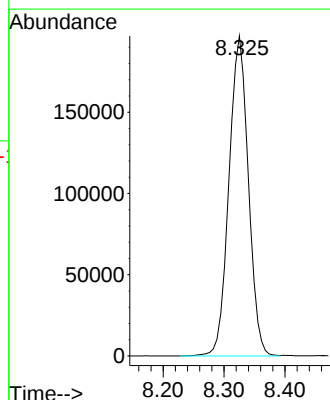
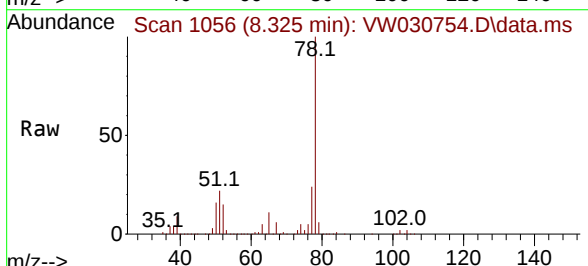
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

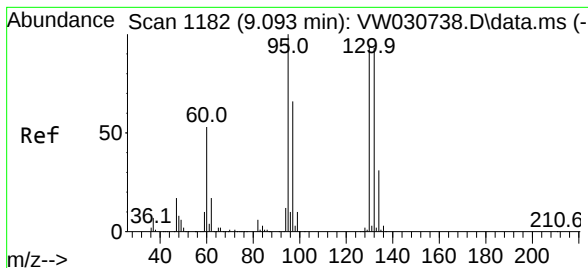
Tgt Ion:117 Resp: 146664
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.8



#33
Benzene
Concen: 24.683 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion: 78 Resp: 435747





#34

Trichloroethene

Concen: 21.914 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

Tgt Ion: 95 Resp: 107627

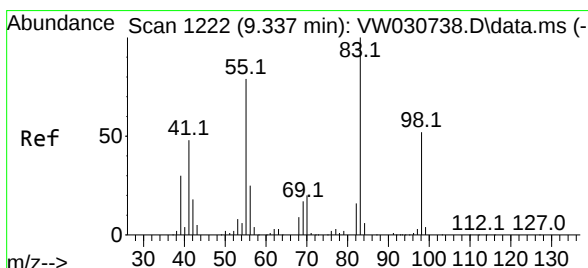
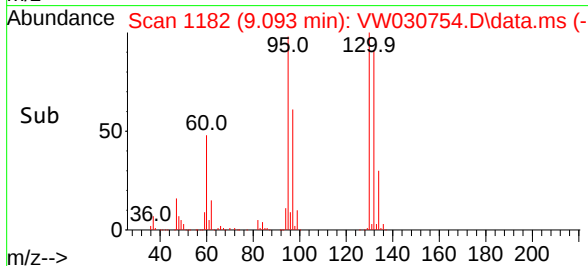
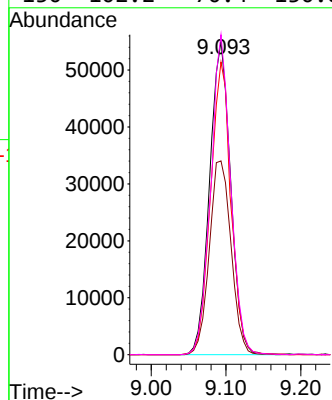
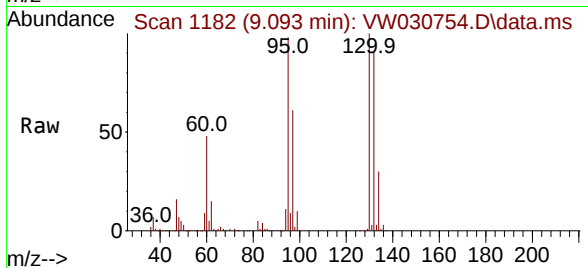
Ion Ratio Lower Upper

95 100

97 61.9 45.9 85.3

132 93.5 66.4 123.2

130 102.2 70.4 130.8



#35

Methylcyclohexane

Concen: 16.597 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

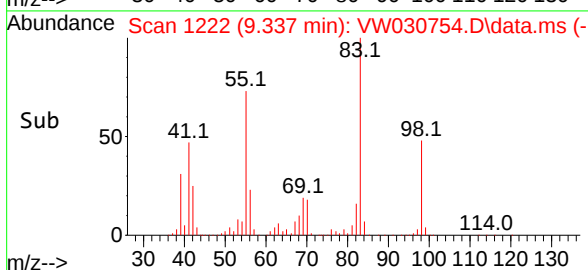
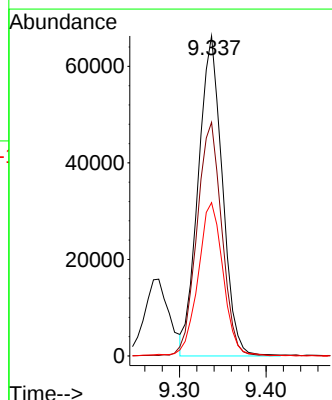
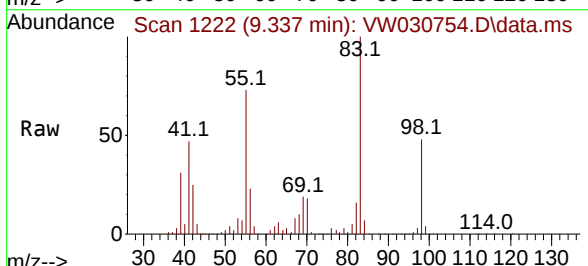
Tgt Ion: 83 Resp: 128282

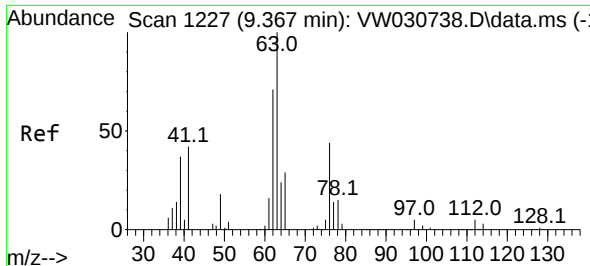
Ion Ratio Lower Upper

83 100

55 74.4 61.8 92.8

98 49.7 39.3 58.9





#37

1,2-Dichloropropane

Concen: 25.646 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

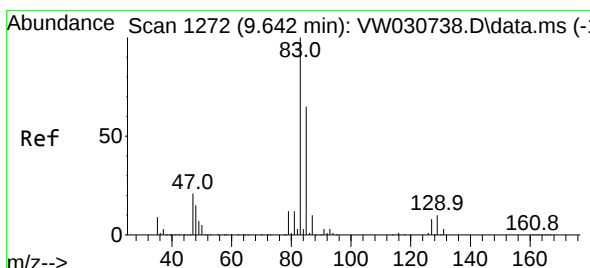
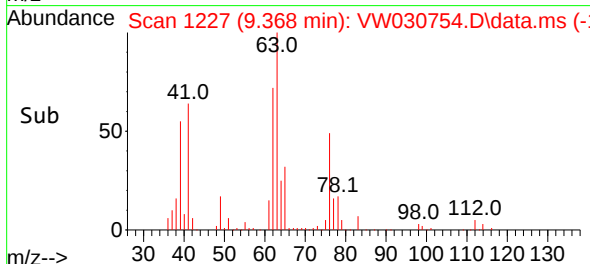
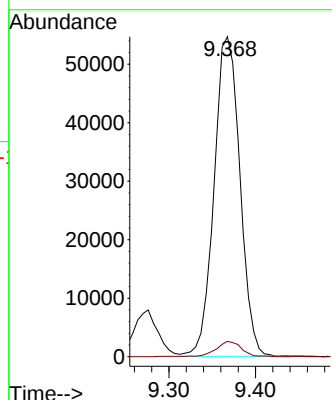
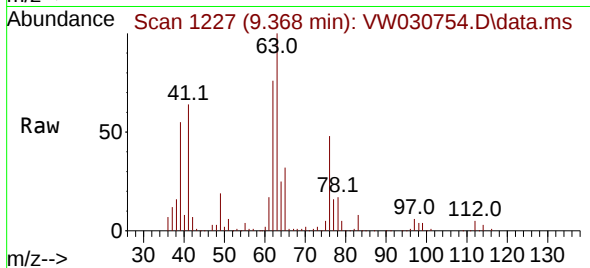
A4F31MS

Tgt Ion: 63 Resp: 113077

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 24.866 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

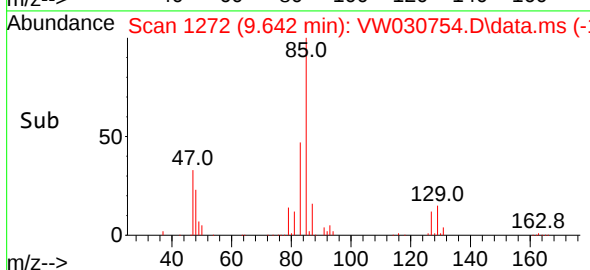
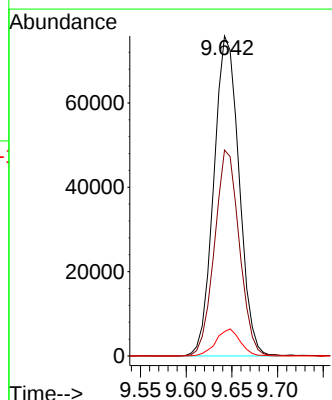
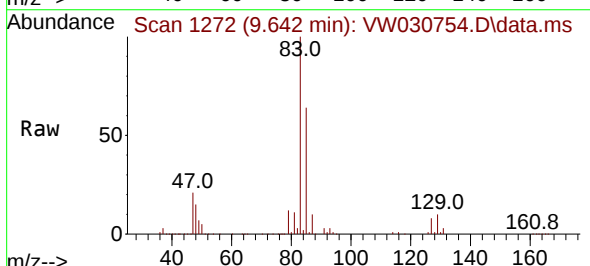
Tgt Ion: 83 Resp: 145867

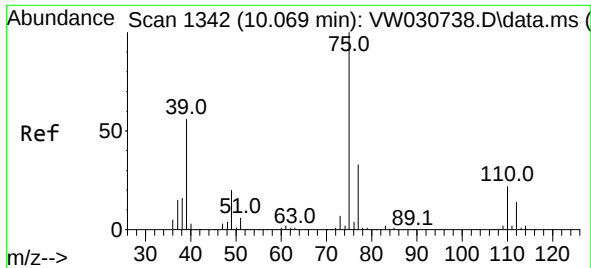
Ion Ratio Lower Upper

83 100

85 64.4 44.2 82.0

127 7.6 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 23.091 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

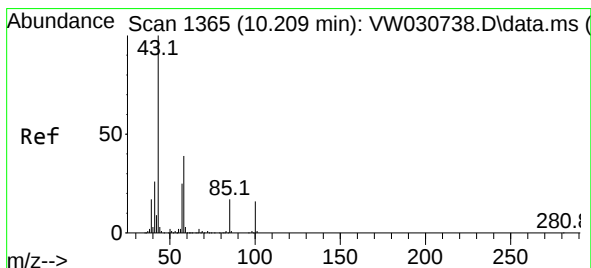
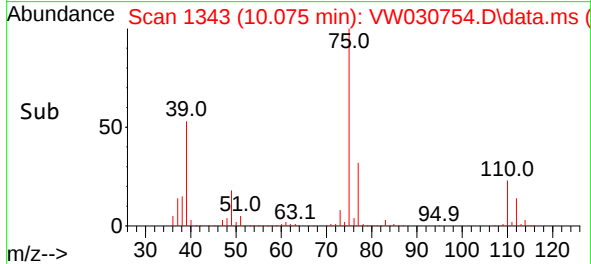
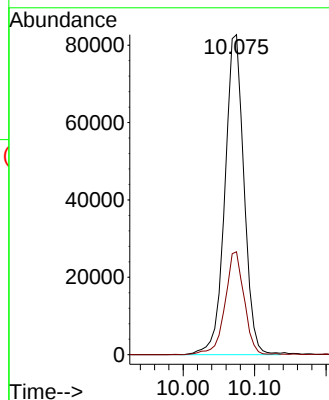
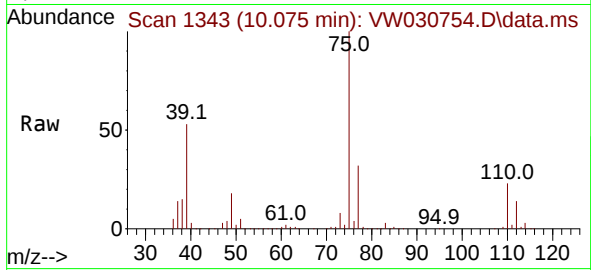
A4F31MS

Tgt Ion: 75 Resp: 153572

Ion Ratio Lower Upper

75 100

77 32.1 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 53.409 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

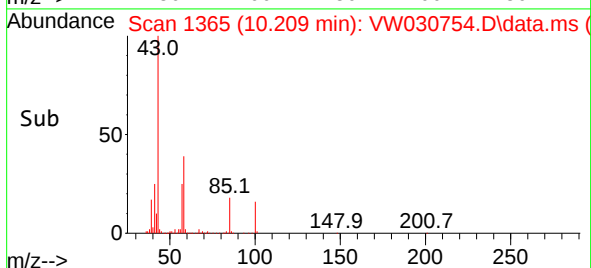
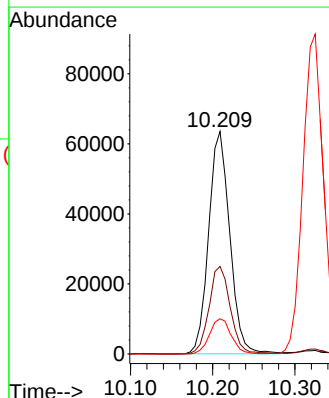
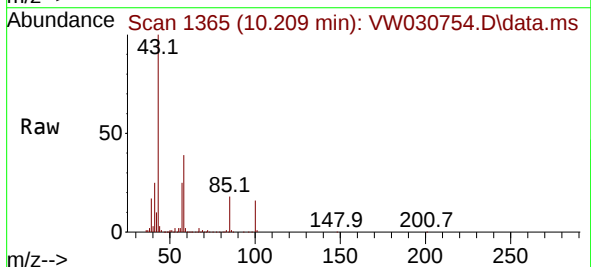
Tgt Ion: 43 Resp: 113131

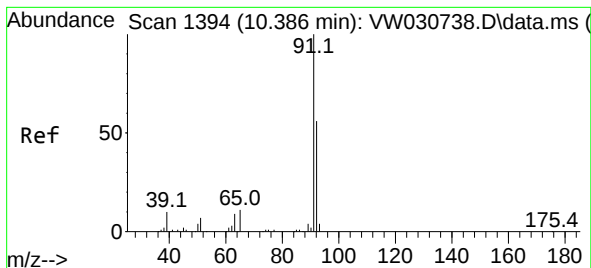
Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.2

100 16.3 13.1 19.7





#42

Toluene

Concen: 21.887 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

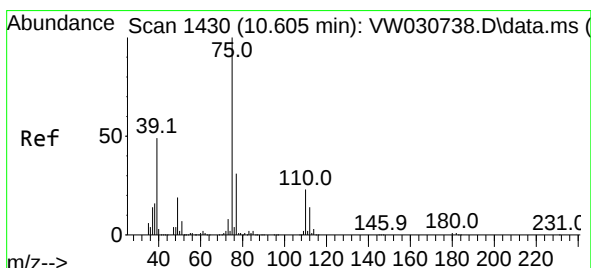
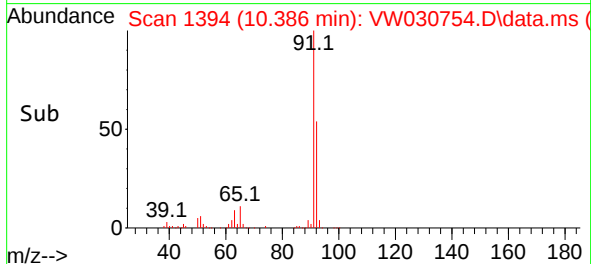
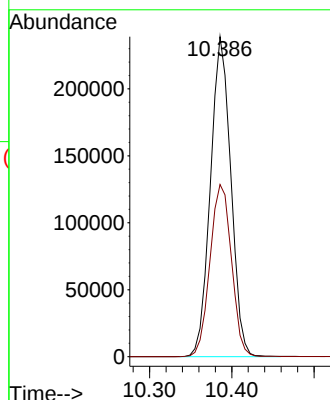
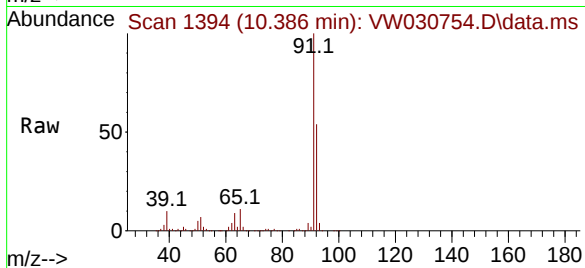
A4F31MS

Tgt Ion: 91 Resp: 412228

Ion Ratio Lower Upper

91 100

92 53.8 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 22.150 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW030754.D

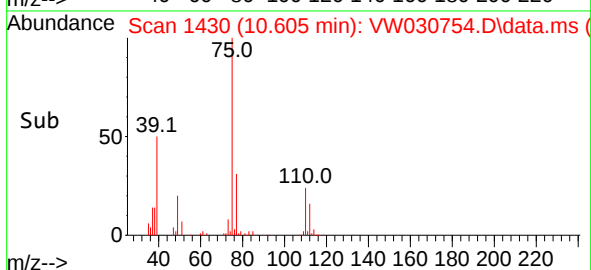
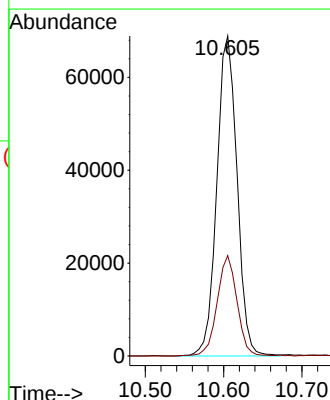
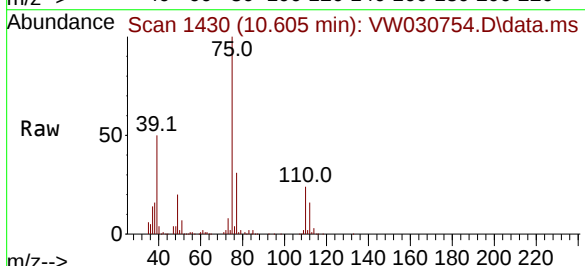
Acq: 24 Oct 2024 19:06

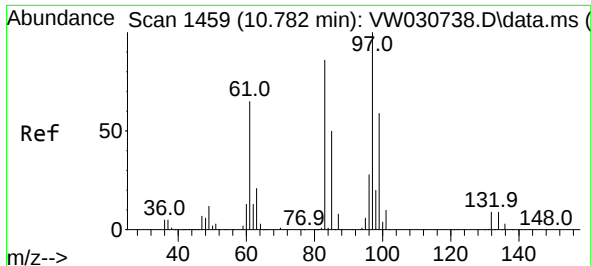
Tgt Ion: 75 Resp: 123788

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 24.103 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

Tgt Ion: 97 Resp: 76806

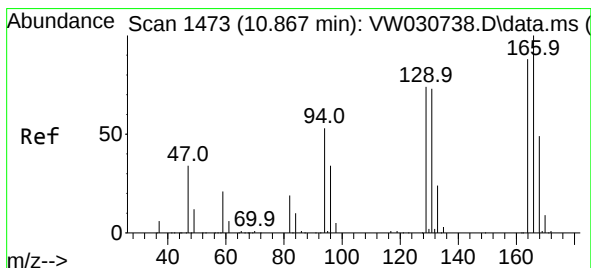
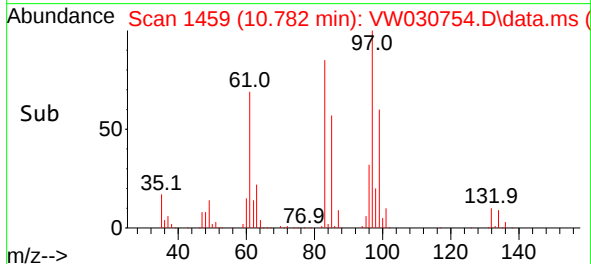
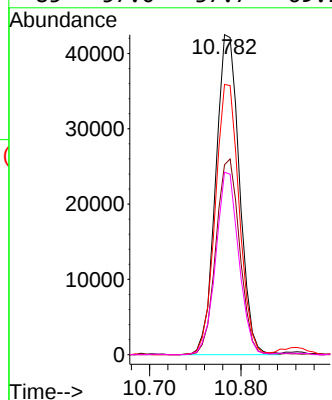
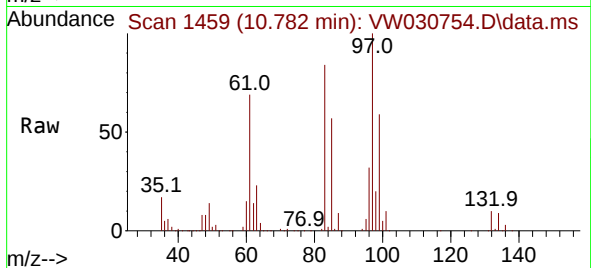
Ion Ratio Lower Upper

97 100

99 59.4 41.2 76.6

83 84.5 59.6 110.6

85 57.0 37.7 69.9



#46

Tetrachloroethene

Concen: 15.877 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Tgt Ion:164 Resp: 57515

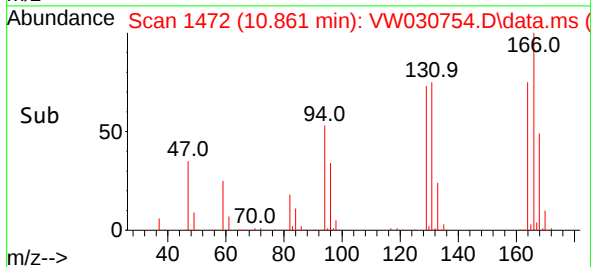
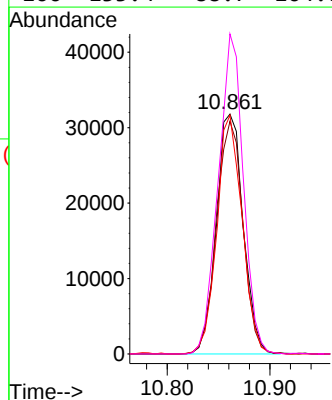
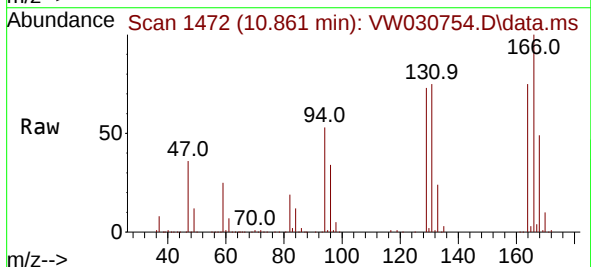
Ion Ratio Lower Upper

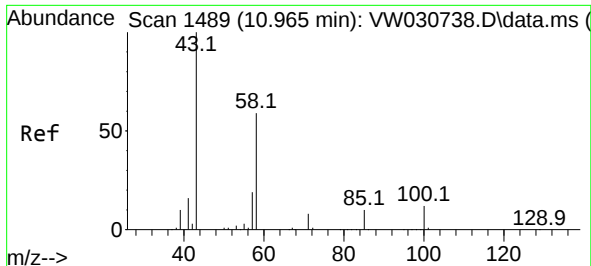
164 100

129 97.0 66.6 123.6

131 99.5 63.7 118.3

166 133.4 88.7 164.7

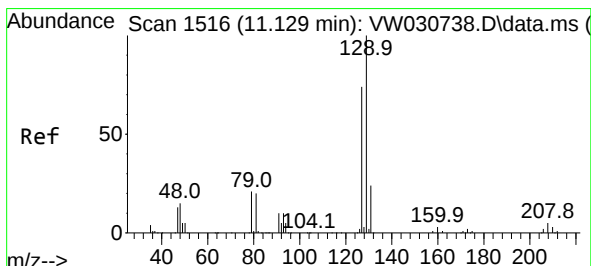
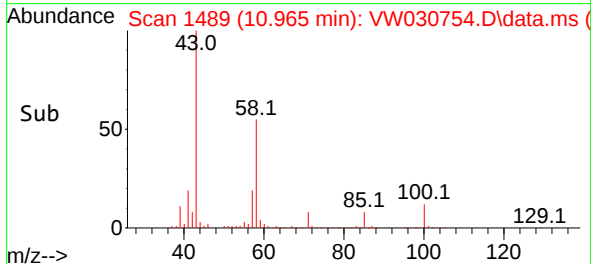
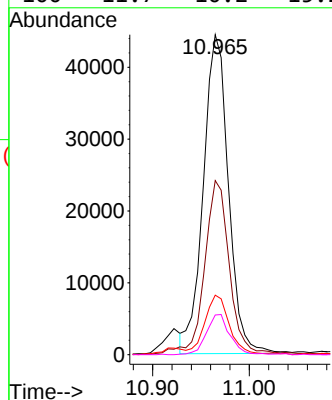
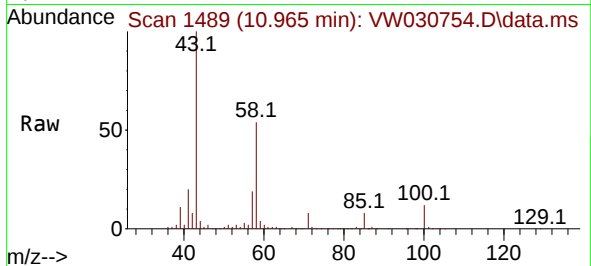




#48
2-Hexanone
Concen: 46.354 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

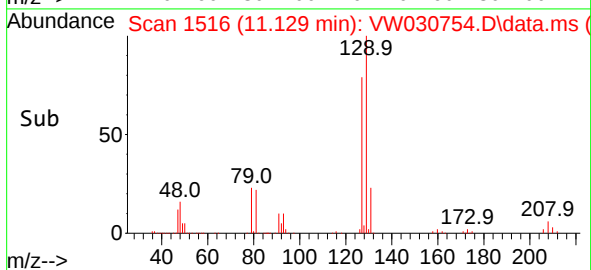
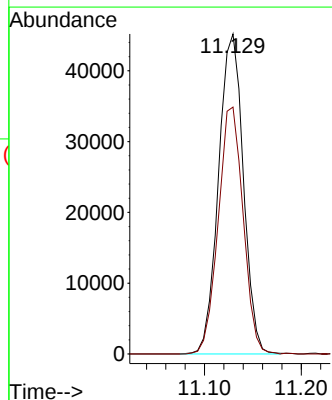
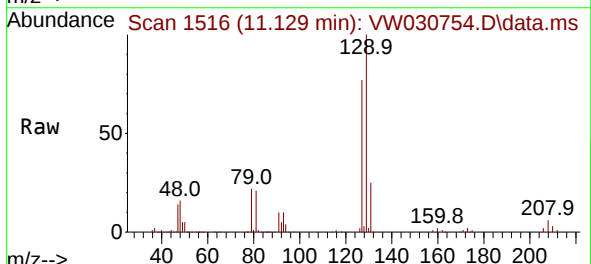
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

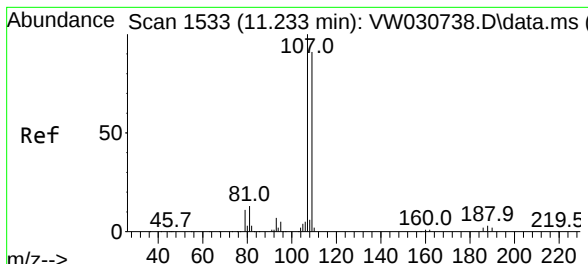
Tgt Ion:	43	Resp:	80295
Ion	Ratio	Lower	Upper
43	100		
58	52.8	44.6	67.0
57	17.9	15.8	23.8
100	11.7	10.2	15.2



#49
Dibromochloromethane
Concen: 22.612 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion:	129	Resp:	80401
Ion	Ratio	Lower	Upper
129	100		
127	77.1	56.5	104.9



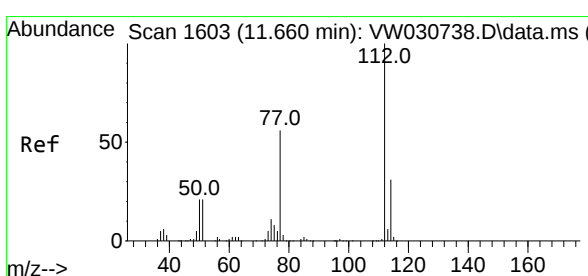
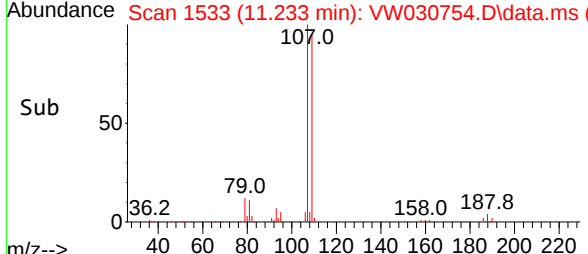
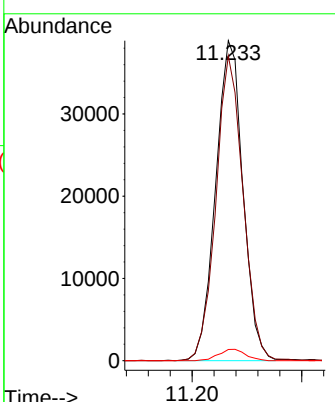
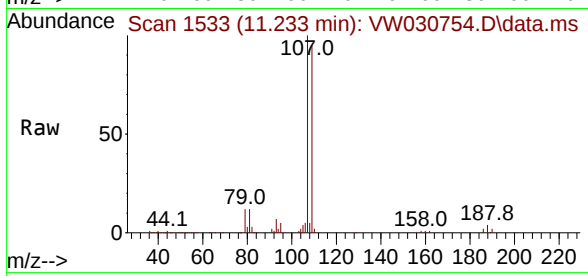


#50
 1,2-Dibromoethane
 Concen: 22.610 ug/L
 RT: 11.233 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

Instrument :
 MSVOA_W
 ClientSampleId :
 A4F31MS

Tgt Ion:107 Resp: 67229

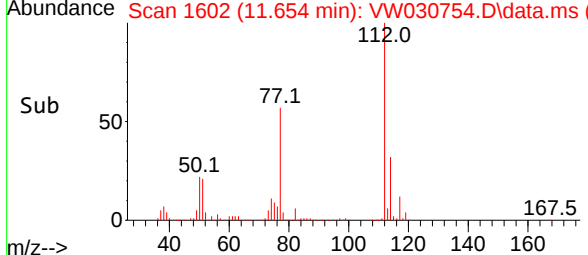
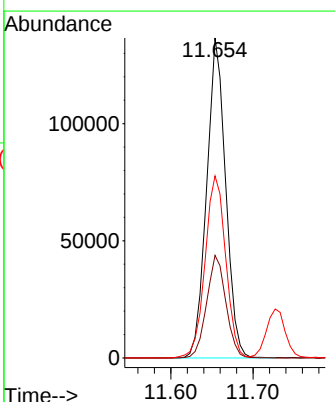
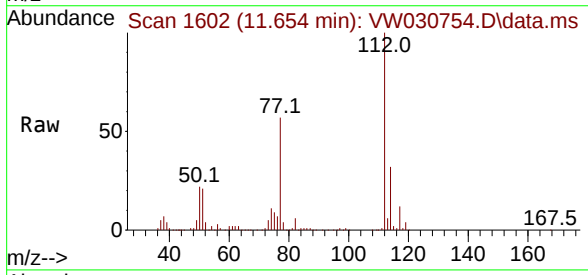
Ion	Ratio	Lower	Upper
107	100		
109	95.3	63.8	118.6
188	3.5	2.6	3.8

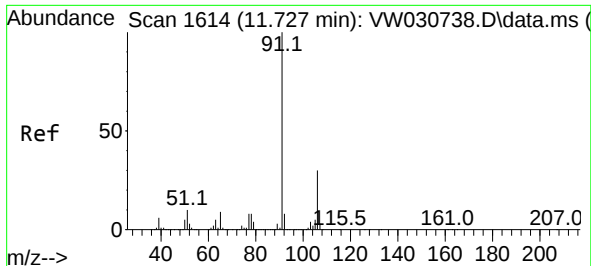


#51
 Chlorobenzene
 Concen: 18.089 ug/L
 RT: 11.654 min Scan# 1602
 Delta R.T. -0.006 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

Tgt Ion:112 Resp: 219316

Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	56.9	47.1	70.7

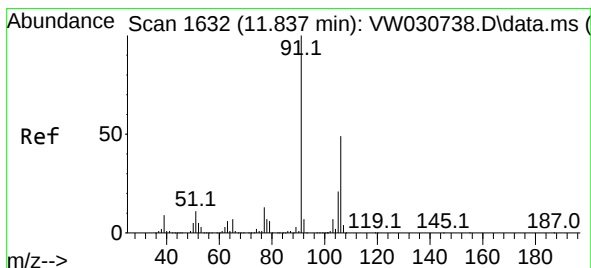
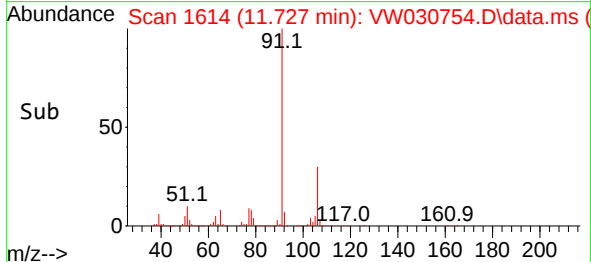
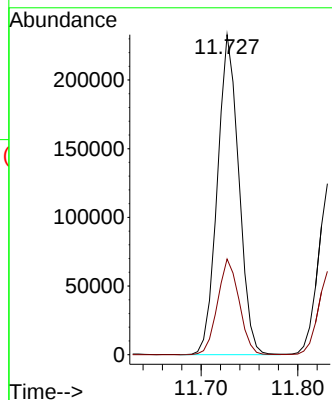
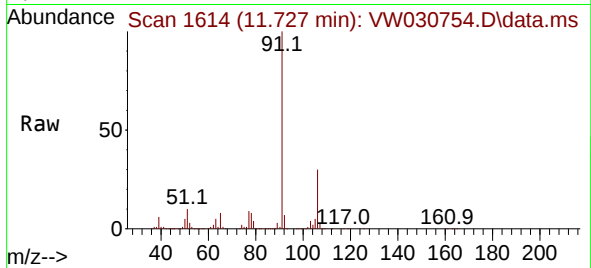




#52
Ethylbenzene
Concen: 16.670 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

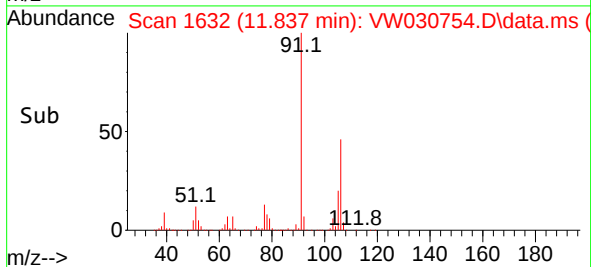
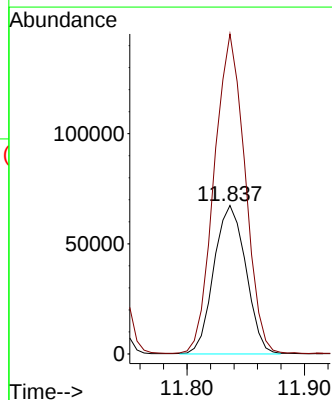
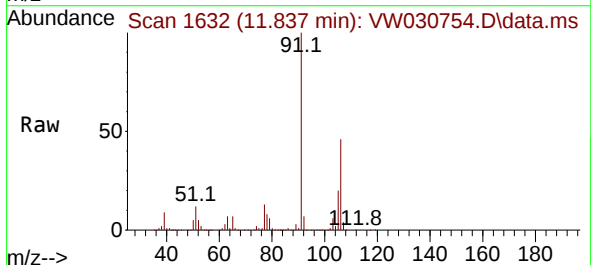
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

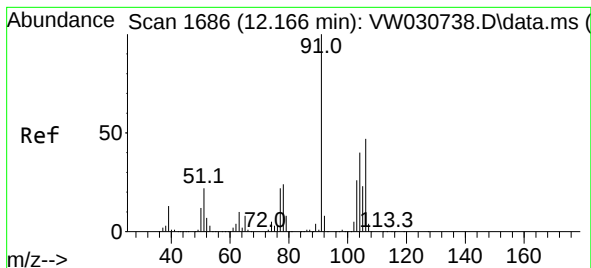
Tgt Ion: 91 Resp: 358248
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.1



#53
m,p-Xylene
Concen: 15.853 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion:106 Resp: 127640
Ion Ratio Lower Upper
106 100
91 215.5 140.6 261.2





#54

o-Xylene

Concen: 17.229 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

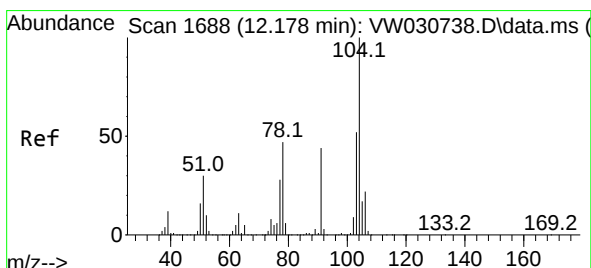
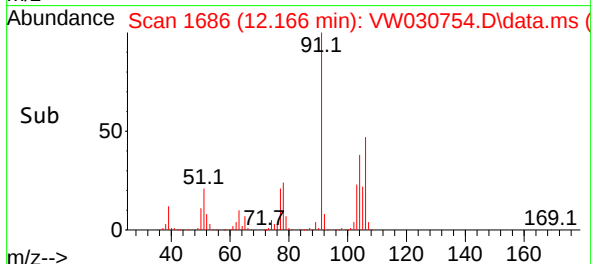
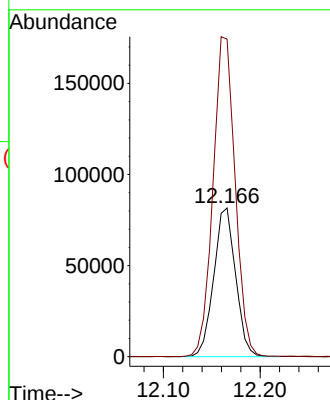
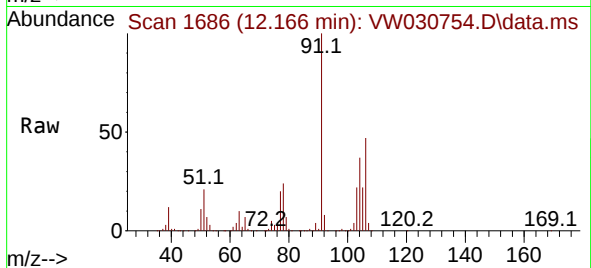
A4F31MS

Tgt Ion:106 Resp: 128246

Ion Ratio Lower Upper

106 100

91 213.6 144.5 268.4



#55

Styrene

Concen: 15.588 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW030754.D

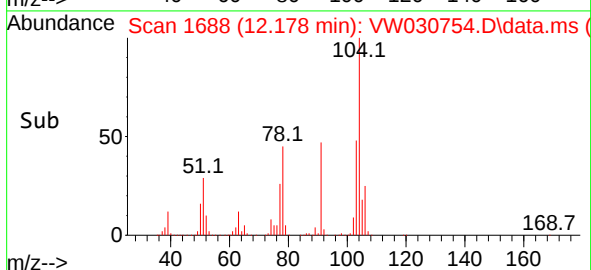
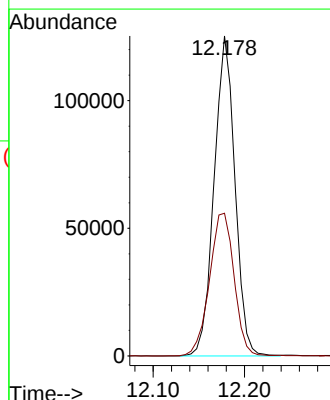
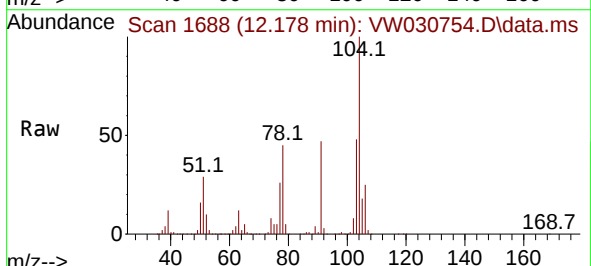
Acq: 24 Oct 2024 19:06

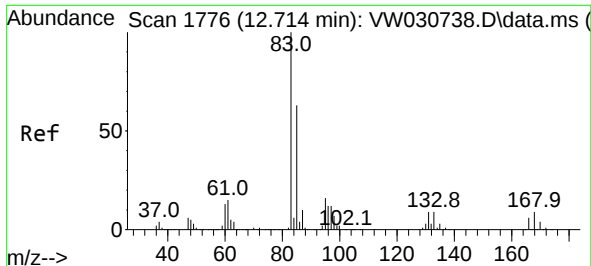
Tgt Ion:104 Resp: 198360

Ion Ratio Lower Upper

104 100

78 44.6 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 20.341 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

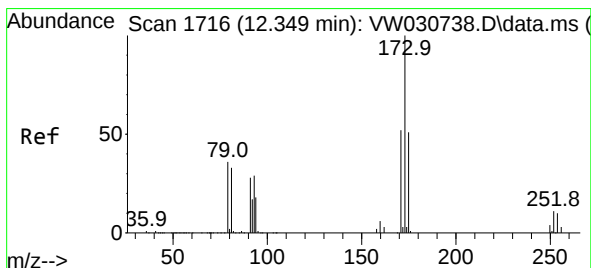
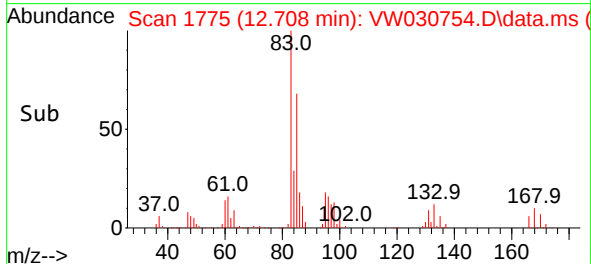
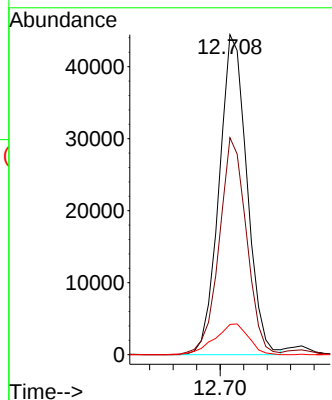
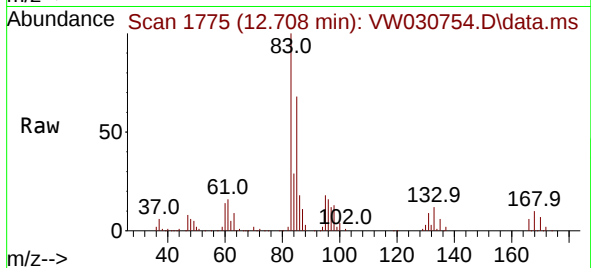
Tgt Ion: 83 Resp: 73095

Ion Ratio Lower Upper

83 100

85 67.8 42.6 79.2

131 9.5 7.4 11.0



#59

Bromoform

Concen: 36.027 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

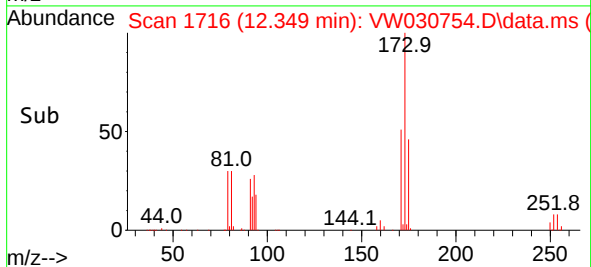
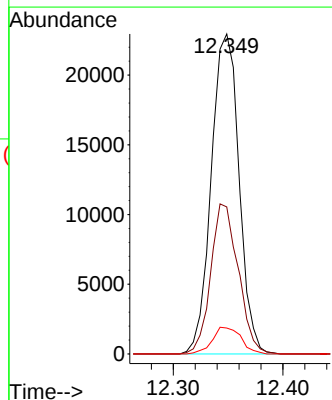
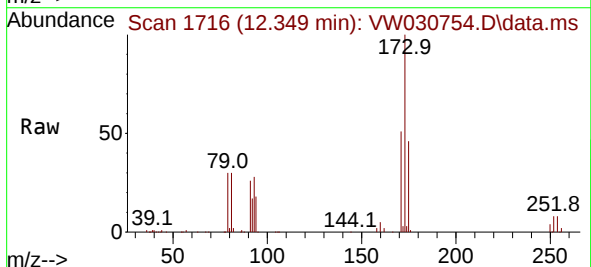
Tgt Ion:173 Resp: 40402

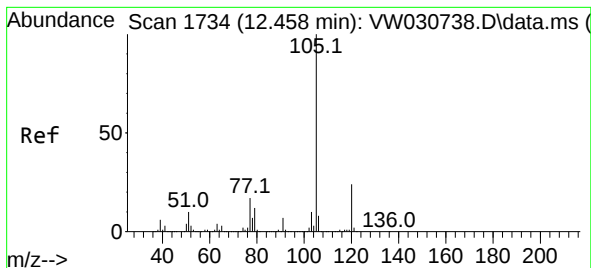
Ion Ratio Lower Upper

173 100

175 46.5 39.0 58.4

254 8.6 7.7 11.5





#60

Isopropylbenzene

Concen: 23.123 ug/L

RT: 12.458 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

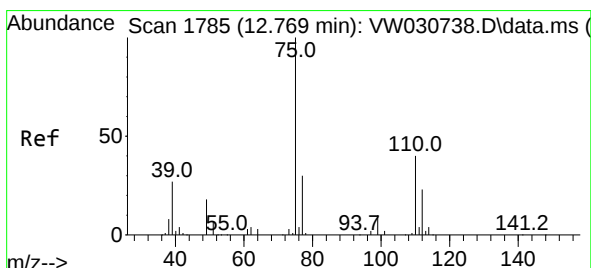
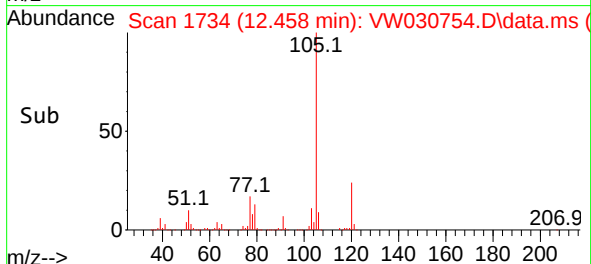
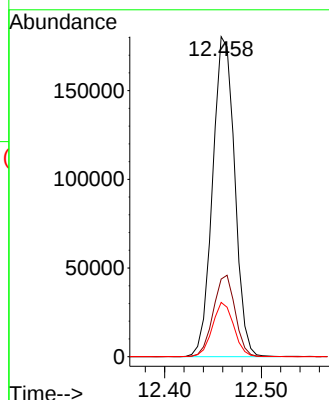
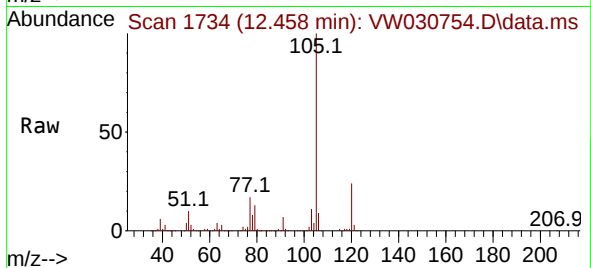
Tgt Ion:105 Resp: 285825

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

77 16.4 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 35.923 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

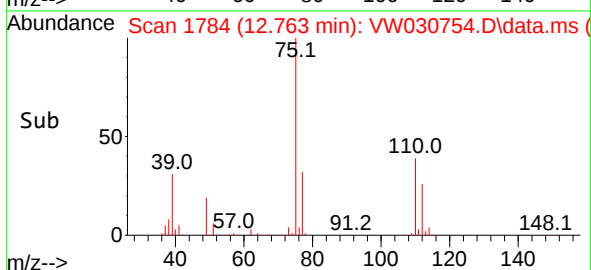
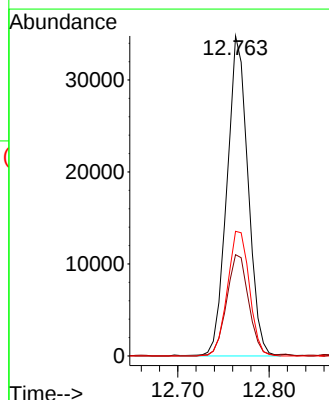
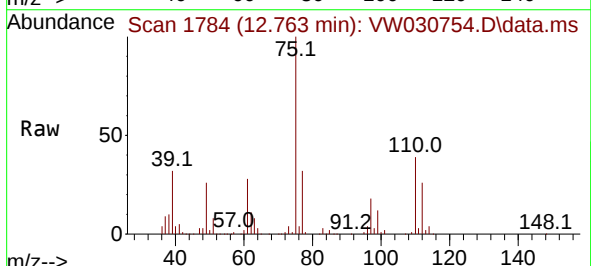
Tgt Ion: 75 Resp: 55796

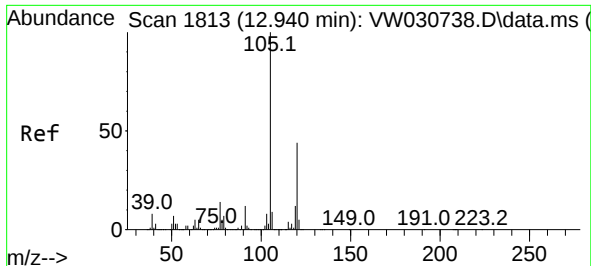
Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5

110 40.5 32.3 48.5

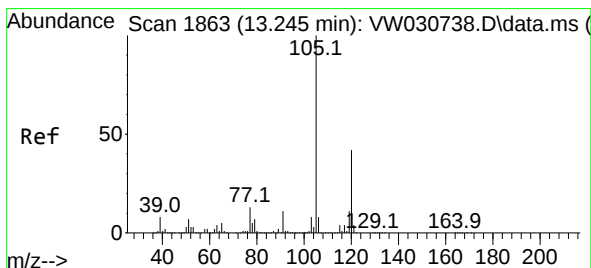
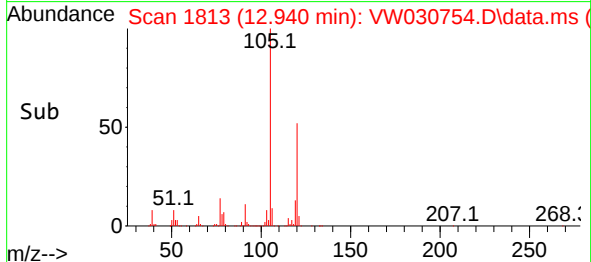
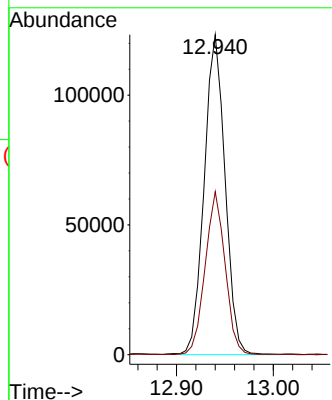
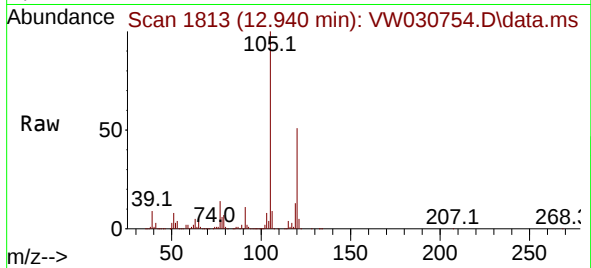




#62
 1,3,5-Trimethylbenzene
 Concen: 18.982 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

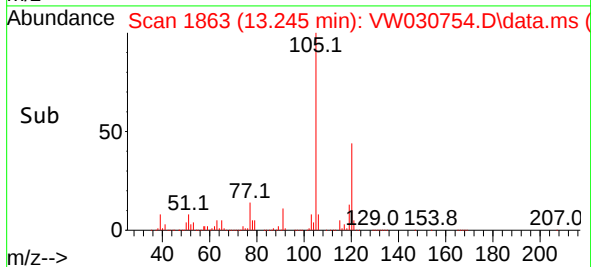
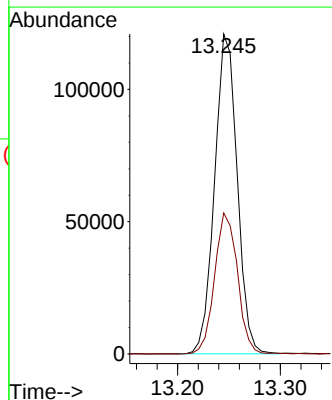
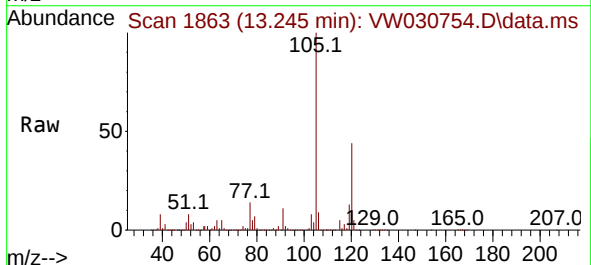
Instrument :
 MSVOA_W
 ClientSampleId :
 A4F31MS

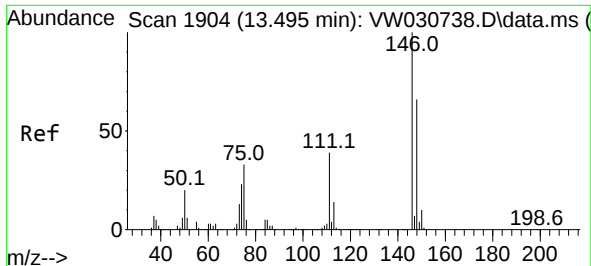
Tgt Ion:105 Resp: 185113
 Ion Ratio Lower Upper
 105 100
 120 48.9 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 19.316 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

Tgt Ion:105 Resp: 184432
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.8 53.6

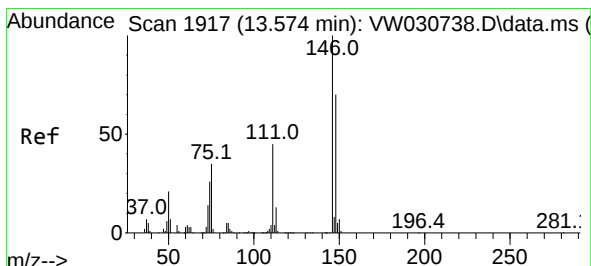
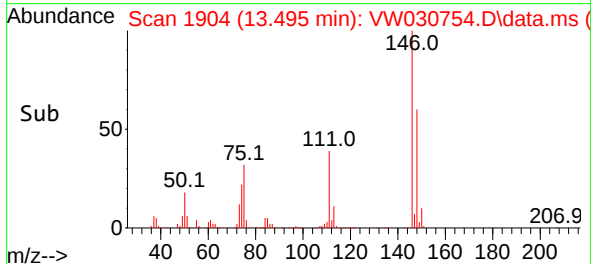
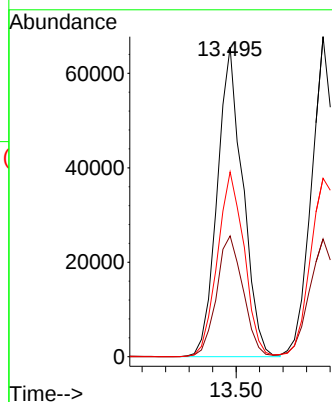
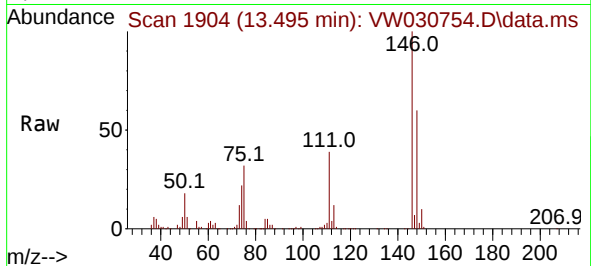




#64
1,3-Dichlorobenzene
Concen: 18.420 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

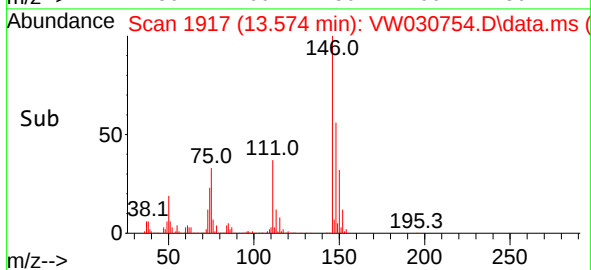
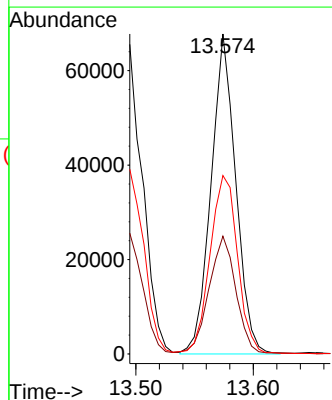
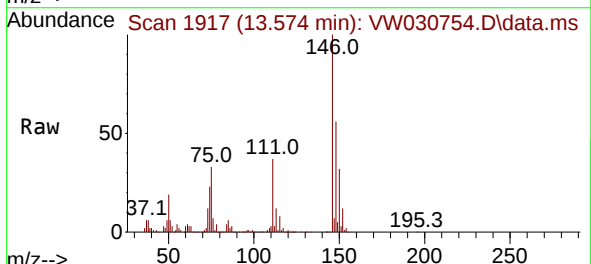
Instrument :
MSVOA_W
ClientSampleId :
A4F31MS

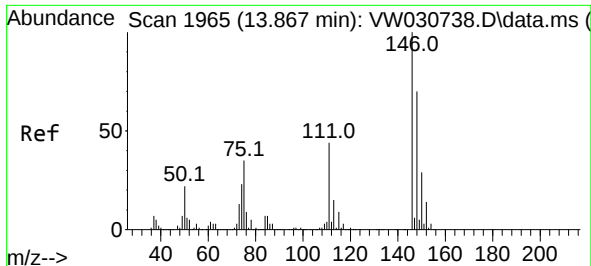
Tgt Ion:146 Resp: 99108
Ion Ratio Lower Upper
146 100
111 39.0 31.2 58.0
148 59.7 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 17.856 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030754.D
Acq: 24 Oct 2024 19:06

Tgt Ion:146 Resp: 99203
Ion Ratio Lower Upper
146 100
111 36.8 26.8 49.8
148 55.8 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 18.619 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

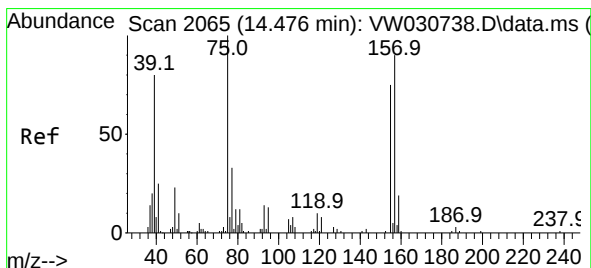
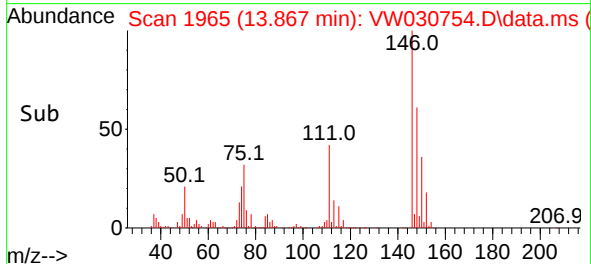
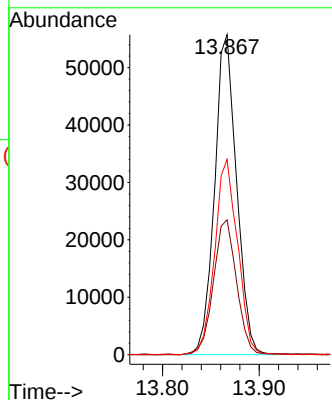
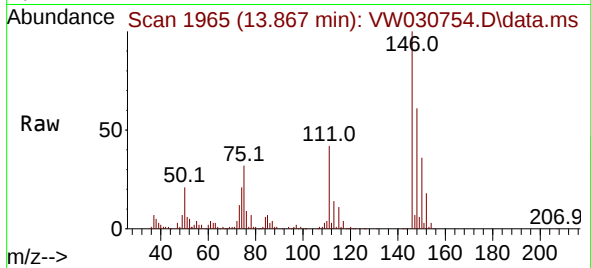
Tgt Ion:146 Resp: 88154

Ion Ratio Lower Upper

146 100

111 42.1 34.6 52.0

148 61.0 53.3 79.9



#68

1,2-Dibromo-3-chloropropane

Concen: 28.464 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

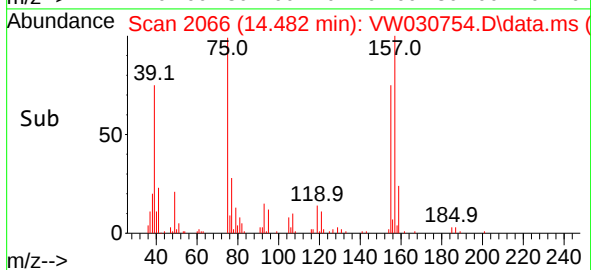
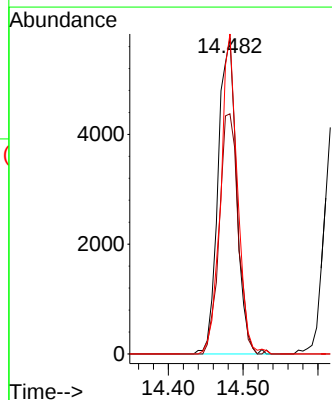
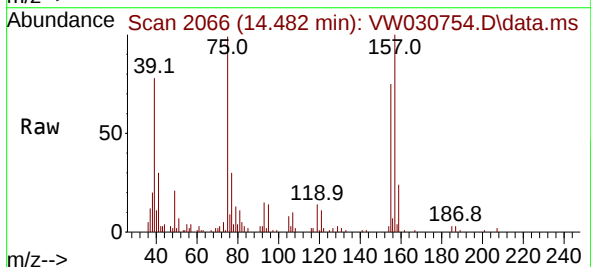
Tgt Ion: 75 Resp: 9858

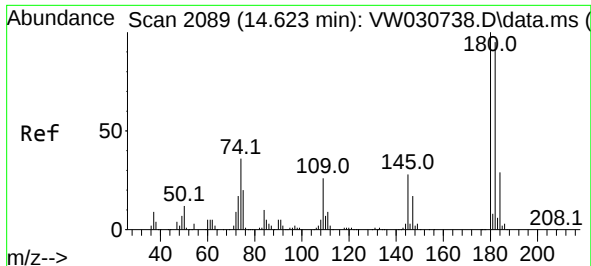
Ion Ratio Lower Upper

75 100

155 76.0 57.9 86.9

157 101.3 69.0 103.6

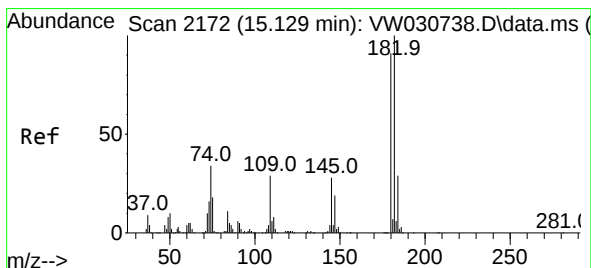
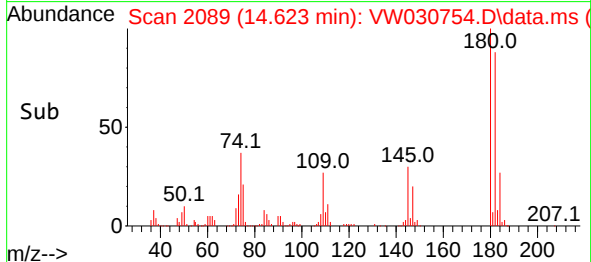
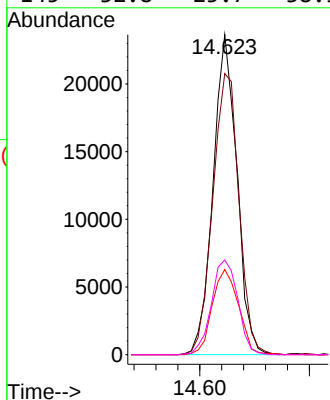
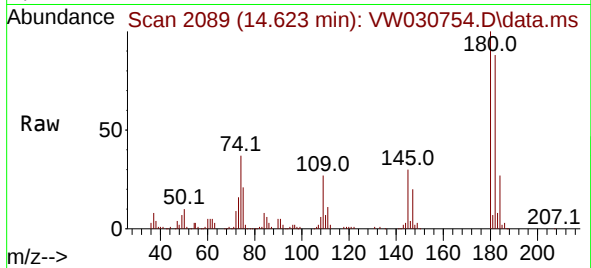




#69
 1,3,5-Trichlorobenzene
 Concen: 10.051 ug/L
 RT: 14.623 min Scan# 2089
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

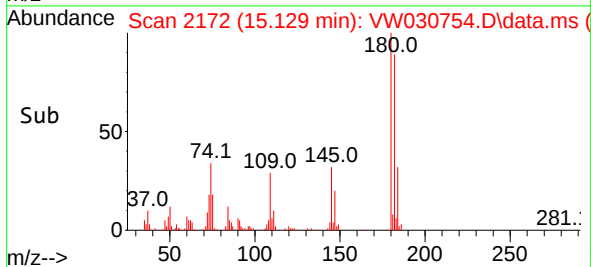
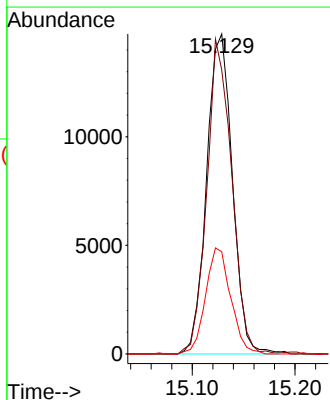
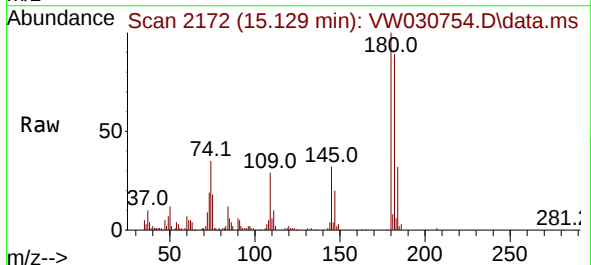
Instrument :
 MSVOA_W
 ClientSampleId :
 A4F31MS

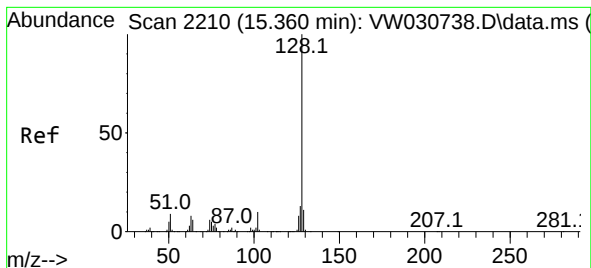
Tgt Ion:180	Resp:	35660
Ion Ratio	Lower	Upper
180	100	
182	96.7	79.9 119.9
184	29.4	25.2 37.8
145	32.8	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 8.983 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.000 min
 Lab File: VW030754.D
 Acq: 24 Oct 2024 19:06

Tgt Ion:180	Resp:	25659
Ion Ratio	Lower	Upper
180	100	
182	94.6	75.2 112.8
145	32.4	25.4 38.2





#71

Naphthalene

Concen: 13.693 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Instrument :

MSVOA_W

ClientSampleId :

A4F31MS

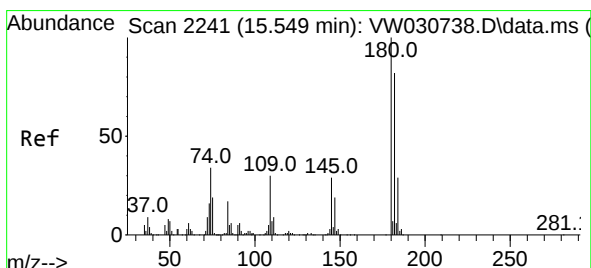
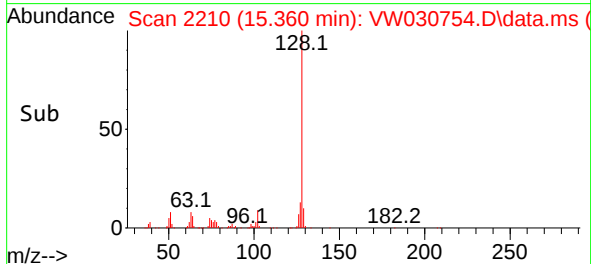
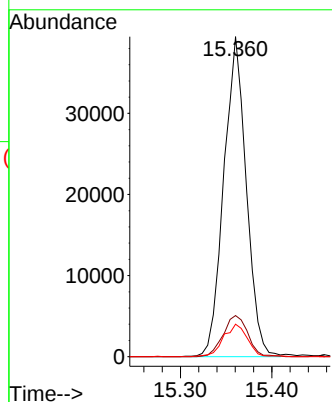
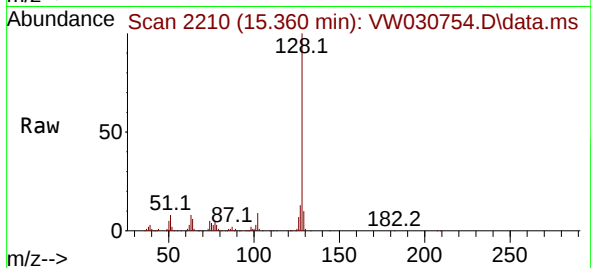
Tgt Ion:128 Resp: 67572

Ion Ratio Lower Upper

128 100

127 13.8 10.9 16.3

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 8.620 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW030754.D

Acq: 24 Oct 2024 19:06

Tgt Ion:180 Resp: 21345

Ion Ratio Lower Upper

180 100

182 97.5 76.2 114.4

145 31.6 27.4 41.2

