

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102224\
 Data File : VW030694.D
 Acq On : 22 Oct 2024 11:16
 Operator : SY/MD
 Sample : P4415-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 01:35:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 23 01:34:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	252255	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	237832	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	114467	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	62338	15.722	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.880%
7) Chloroethane-d5	2.899	69	58018	19.330	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.320%
11) 1,1-Dichloroethene-d2	4.021	65	27630	16.754	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.000%
21) 2-Butanone-d5	7.081	46	36215	50.752	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.500%
24) Chloroform-d	7.654	84	176493	24.465	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.880%
26) 1,2-Dichloroethane-d4	8.307	65	80253	21.394	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.560%
32) Benzene-d6	8.276	84	264081	19.131	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.520%
36) 1,2-Dichloropropane-d6	9.276	67	83167	20.527	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.120%
41) Toluene-d8	10.319	98	247729	19.659	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.640%
43) trans-1,3-Dichloroprop...	10.575	79	33153	19.542	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.160%
47) 2-Hexanone-d5	10.922	63	27607	52.904	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.800%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	74855	25.158	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.640%
66) 1,2-Dichlorobenzene-d4	13.848	152	79922	20.635	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.560%
Target Compounds						
					Qvalue	
13) Acetone	4.119	43	73135	70.008	ug/L	99
16) Methylene chloride	4.917	84	325611	85.382	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	122773	33.618	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	249622	48.839	ug/L	99
19) 1,1-Dichloroethane	6.222	63	649796	95.735	ug/L	99
22) 2-Butanone	7.167	43	230524	204.713	ug/L	96
25) Chloroform	7.679	83	700483	96.574	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	3097	0.491	ug/L #	57
31) Carbon tetrachloride	8.069	117	96781	17.163	ug/L	97
33) Benzene	8.325	78	1068494	69.038	ug/L	100
34) Trichloroethene	9.093	95	420172	97.583	ug/L	95
37) 1,2-Dichloropropane	9.368	63	149386	38.646	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	394576	67.674	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	311030	167.491	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	364045	74.302	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	140203	50.186	ug/L	98
50) 1,2-Dibromoethane	11.233	107	125597	48.181	ug/L	95
53) m,p-Xylene	11.837	106	367556	52.072	ug/L	100
54) o-Xylene	12.166	106	456197	69.908	ug/L	90

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

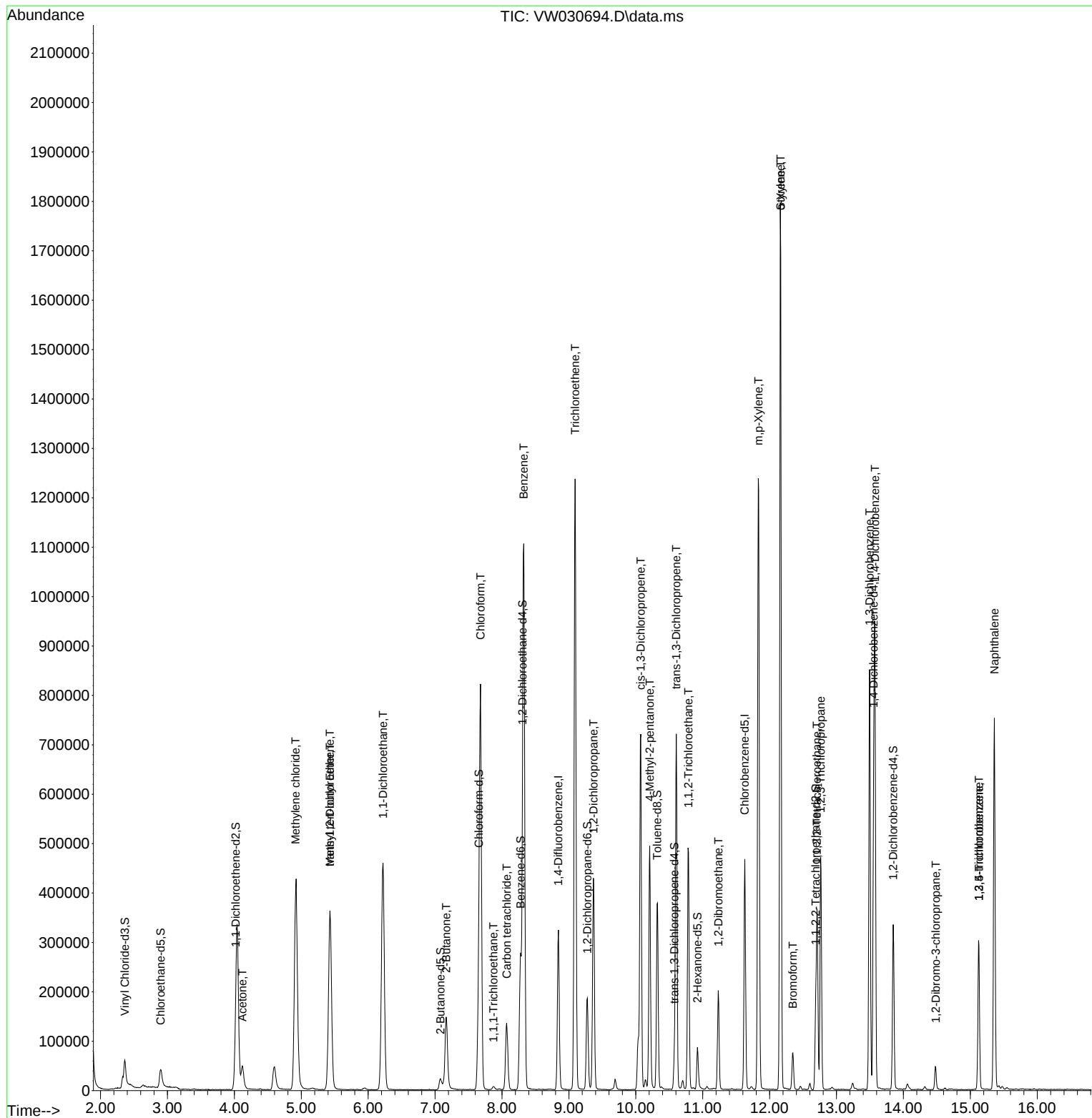
55) Styrene	12.166	104	24942	2.236	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	163600	51.930	ug/L	96
59) Bromoform	12.349	173	31800	19.773	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	182727	82.036	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	324144	42.009	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	328017	41.171	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.483	75	11331	22.815	ug/L	91
69) 1,3,5-Trichlorobenzene	15.129	180	86624	17.025	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	86624	21.148	ug/L	97
71) Naphthalene	15.360	128	592698	83.752	ug/L	98

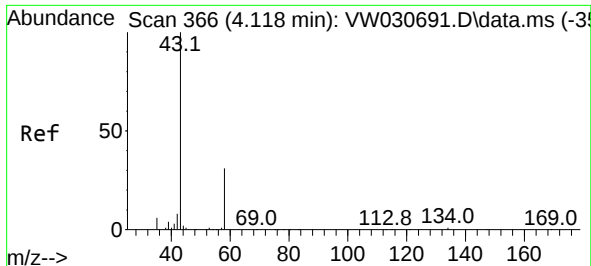
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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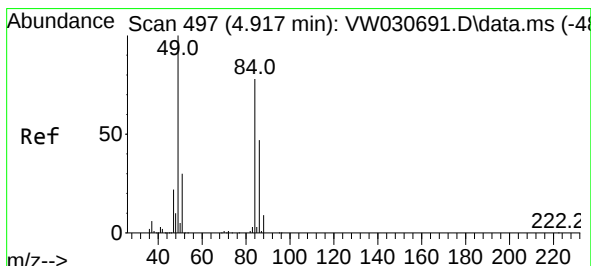
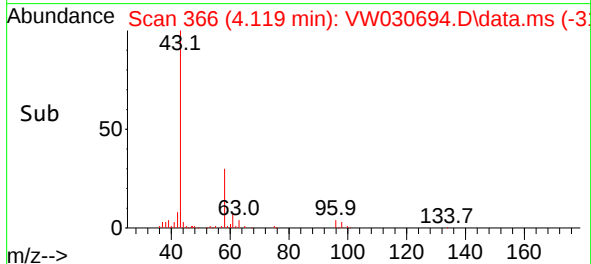
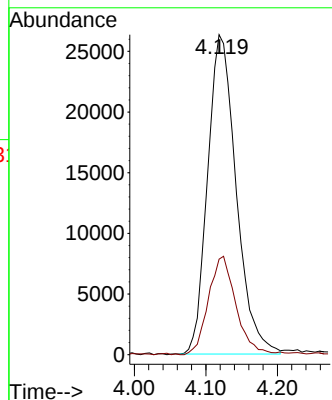
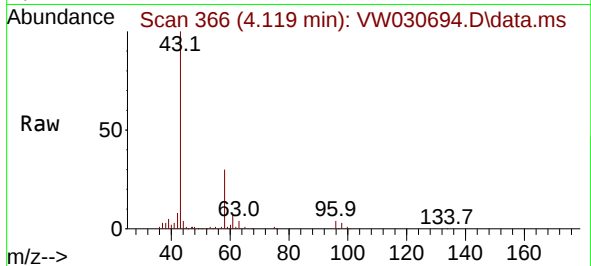




#13
Acetone
Concen: 70.008 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

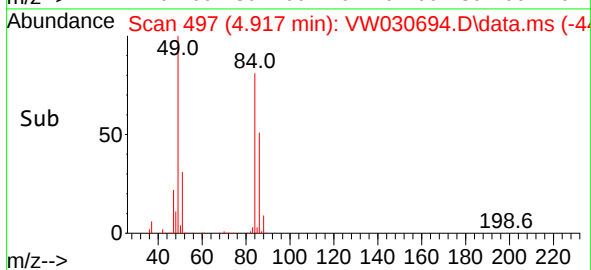
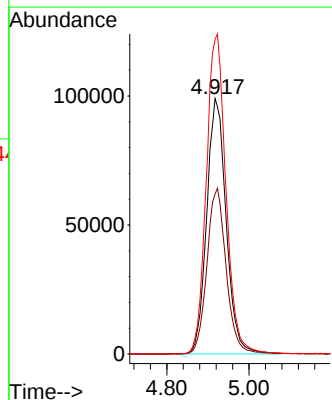
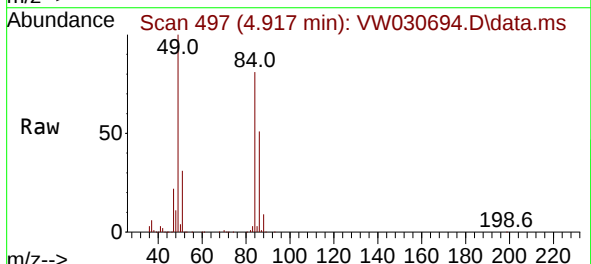
Instrument :
MSVOA_W
ClientSampleId :

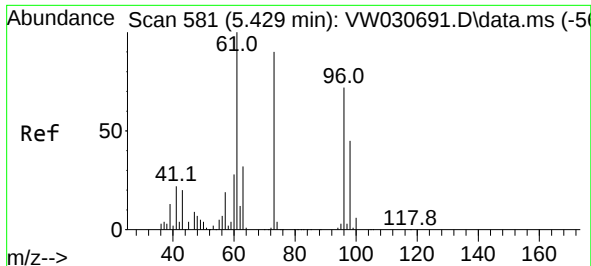
Tgt Ion: 43 Resp: 73135
Ion Ratio Lower Upper
43 100
58 29.6 0.0 57.6



#16
Methylene chloride
Concen: 85.382 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion: 84 Resp: 325611
Ion Ratio Lower Upper
84 100
86 62.7 43.8 81.3
49 123.2 88.3 164.1

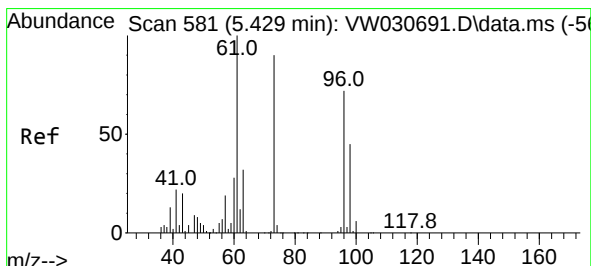
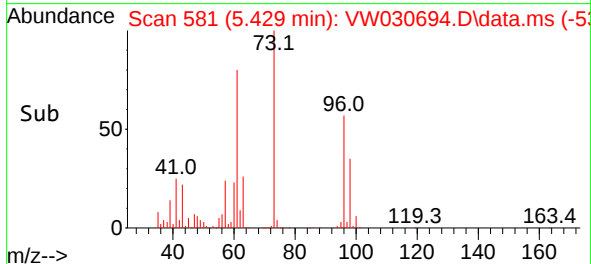
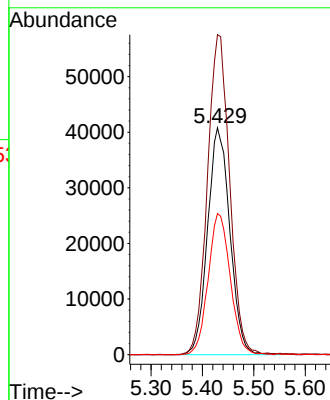
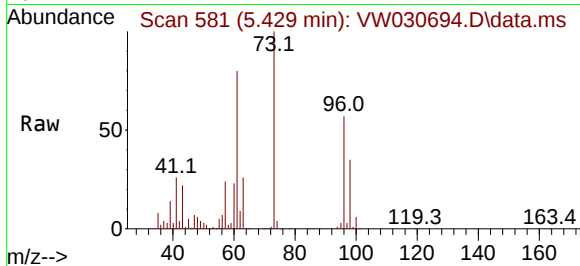




#17
trans-1,2-Dichloroethene
Concen: 33.618 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

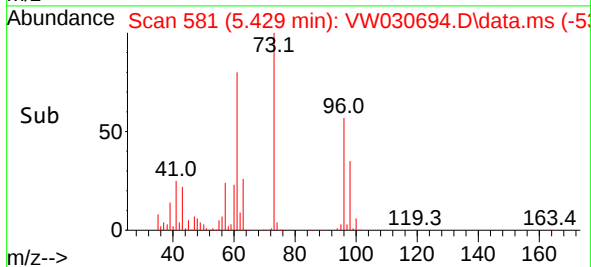
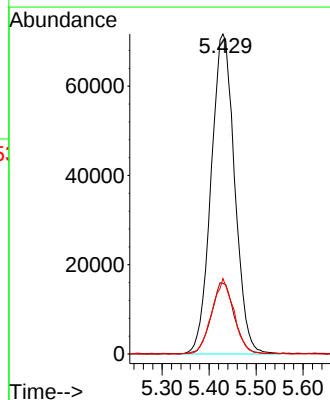
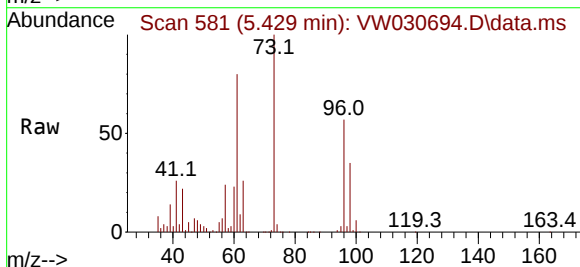
Instrument :
MSVOA_W
ClientSampleId :

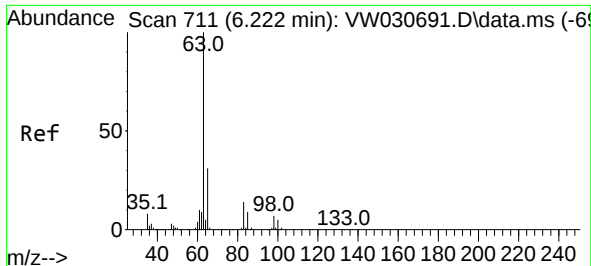
Tgt Ion: 96 Resp: 122773
Ion Ratio Lower Upper
96 100
61 141.0 96.9 179.9
98 62.2 42.2 78.4



#18
Methyl tert-butyl Ether
Concen: 48.839 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion: 73 Resp: 249622
Ion Ratio Lower Upper
73 100
43 21.9 18.1 27.1
57 22.1 17.7 26.5





#19

1,1-Dichloroethane

Concen: 95.735 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

Instrument :

MSVOA_W

ClientSampleId :

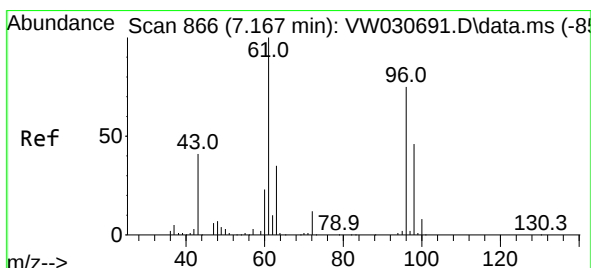
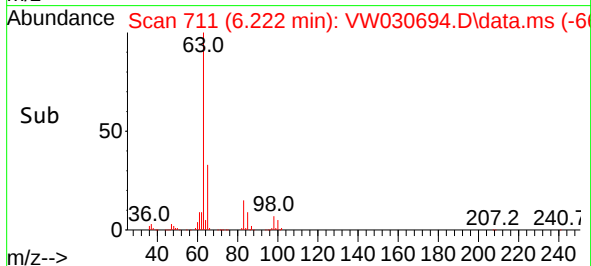
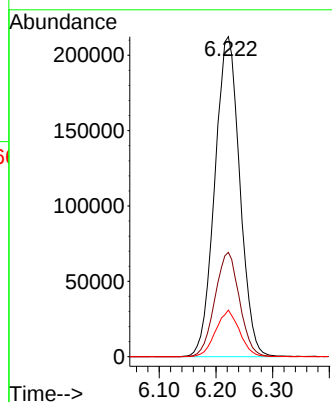
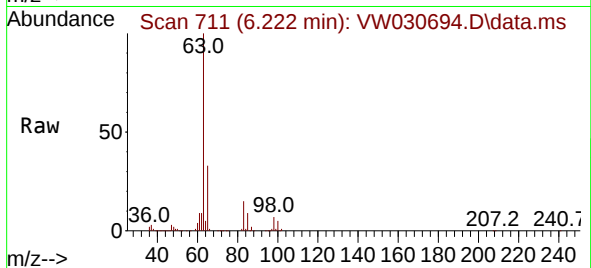
Tgt Ion: 63 Resp: 649796

Ion Ratio Lower Upper

63 100

65 32.6 22.5 41.9

83 14.6 9.8 18.2



#22

2-Butanone

Concen: 204.713 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW030694.D

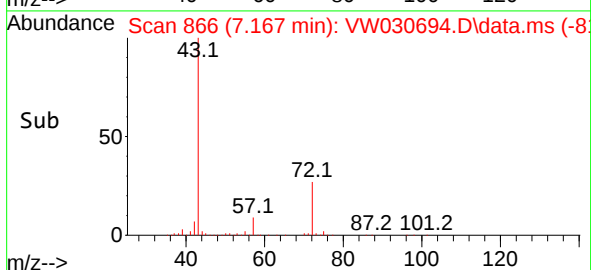
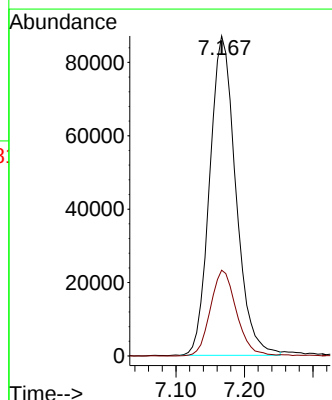
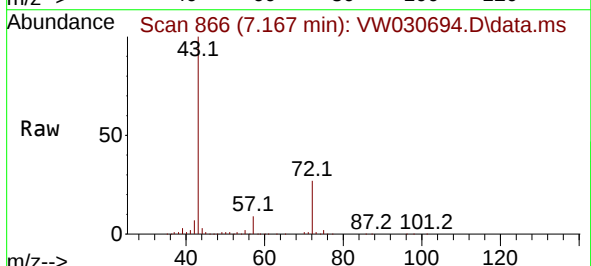
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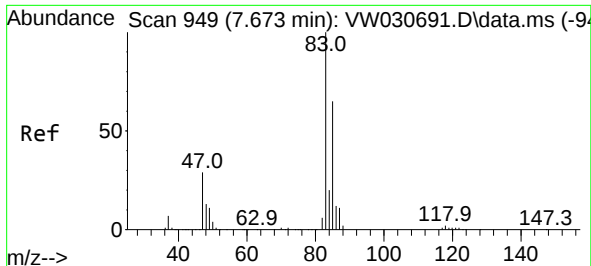
Tgt Ion: 43 Resp: 230524

Ion Ratio Lower Upper

43 100

72 26.7 14.4 43.0

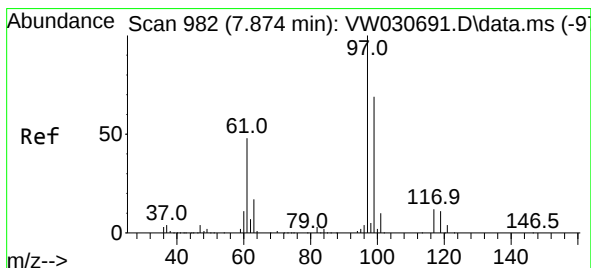
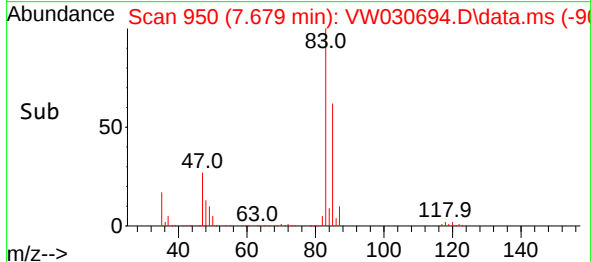
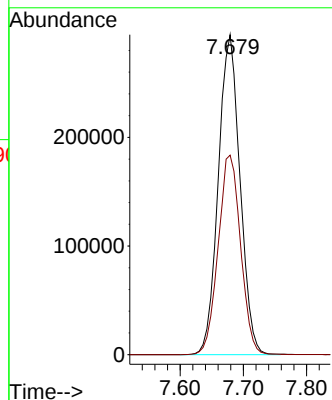
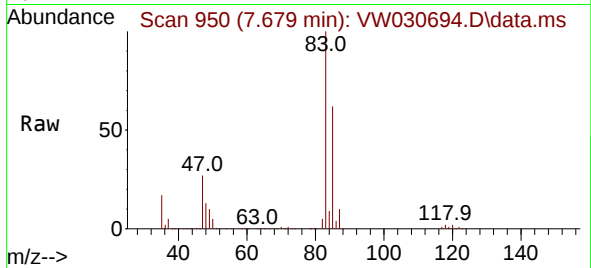




#25
Chloroform
Concen: 96.574 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

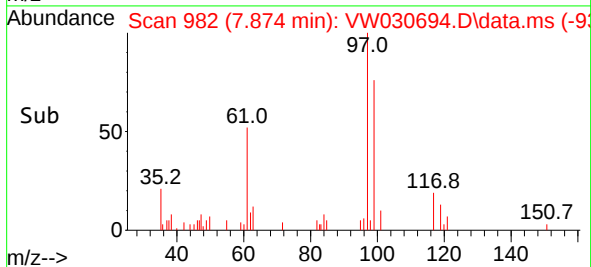
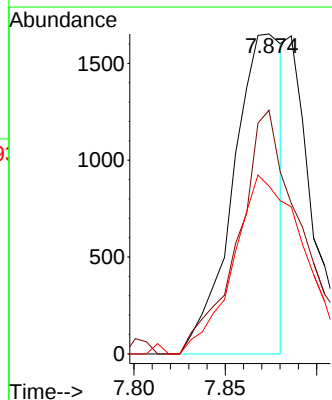
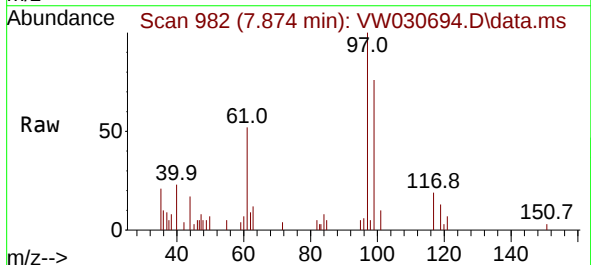
Instrument :
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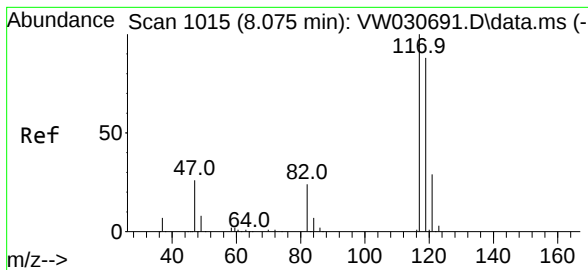
Tgt Ion: 83 Resp: 700483
Ion Ratio Lower Upper
83 100
85 62.3 45.1 83.7



#30
1,1,1-Trichloroethane
Concen: 0.491 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion: 97 Resp: 3097
Ion Ratio Lower Upper
97 100
99 97.0 52.3 78.5#
61 79.2 38.5 57.7#

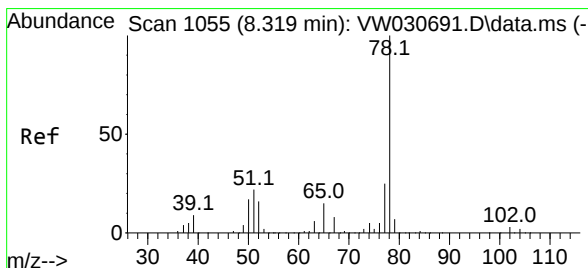
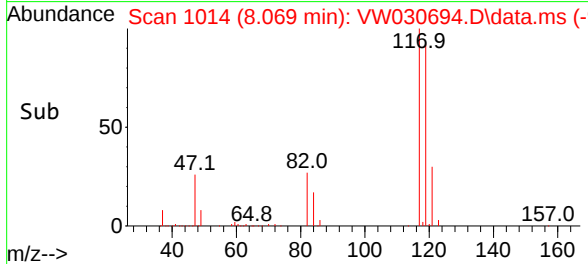
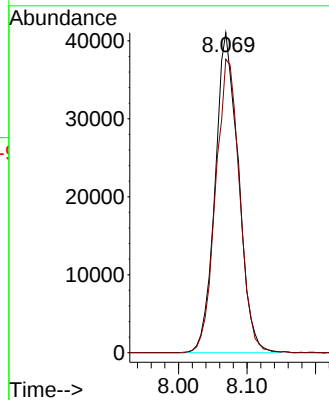
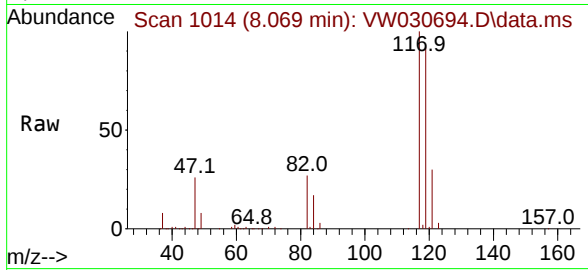




#31
Carbon tetrachloride
Concen: 17.163 ug/L
RT: 8.069 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

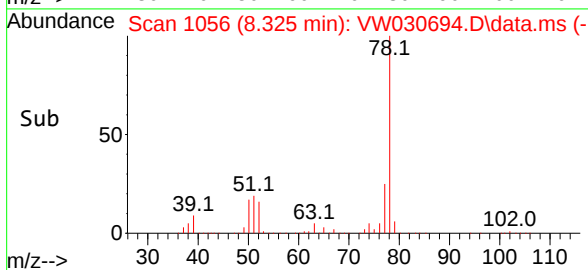
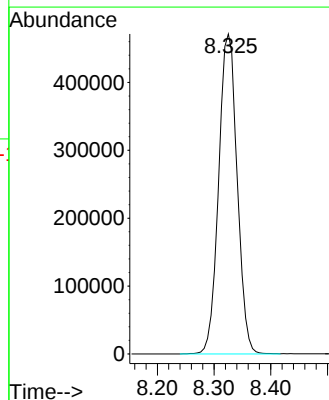
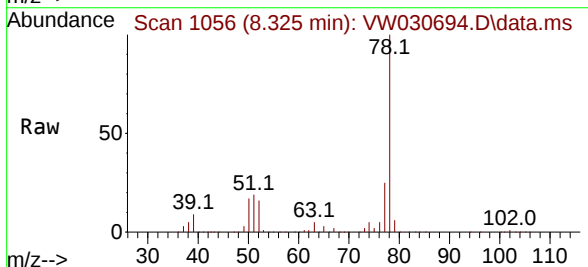
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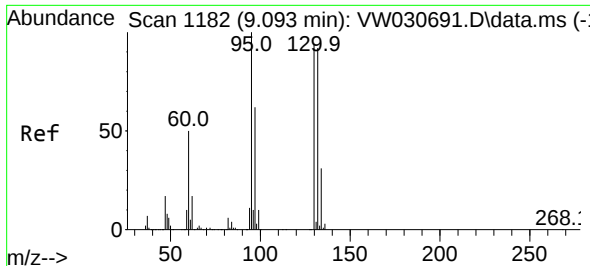
Tgt Ion:117 Resp: 96781
Ion Ratio Lower Upper
117 100
119 94.3 77.8 116.8



#33
Benzene
Concen: 69.038 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion: 78 Resp: 1068494

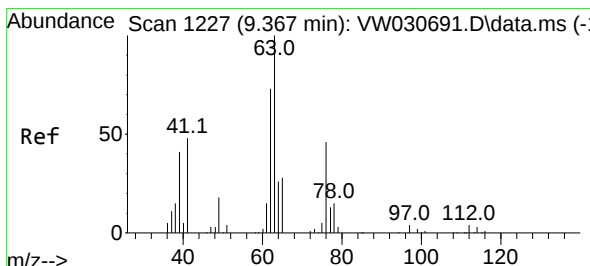
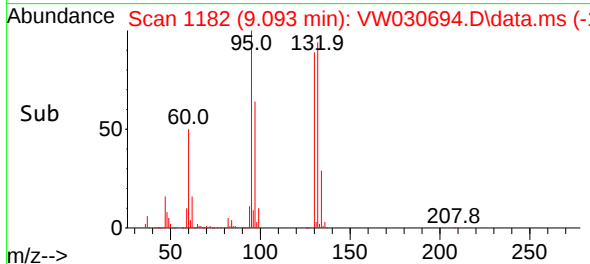
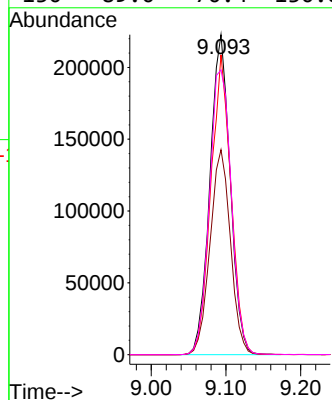
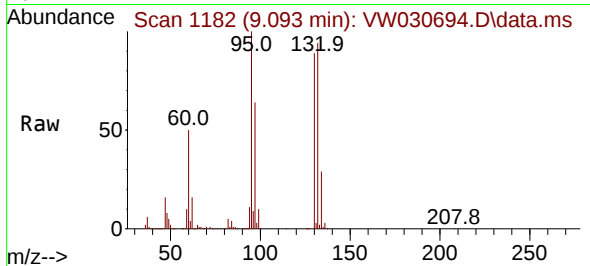




#34
Trichloroethene
Concen: 97.583 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

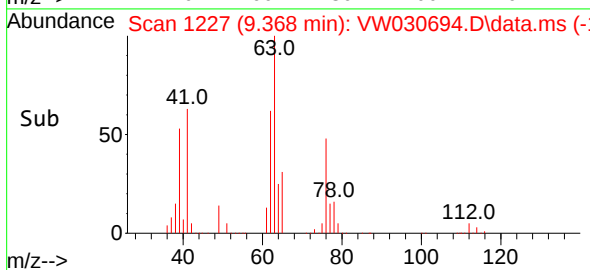
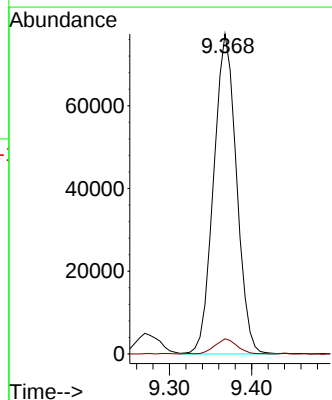
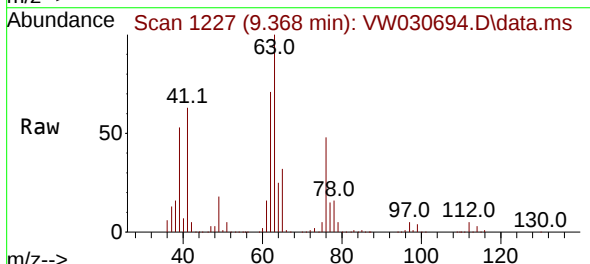
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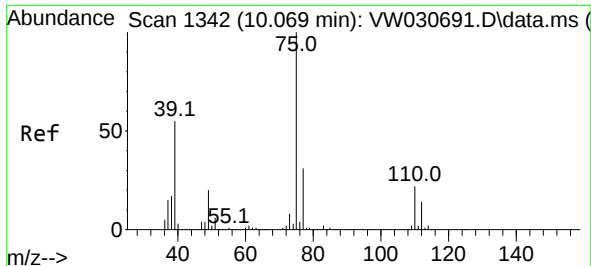
Tgt Ion: 95 Resp: 420172
Ion Ratio Lower Upper
95 100
97 64.1 45.9 85.3
132 93.7 66.4 123.2
130 89.0 70.4 130.8



#37
1,2-Dichloropropane
Concen: 38.646 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion: 63 Resp: 149386
Ion Ratio Lower Upper
63 100
112 4.6 3.7 5.5





#39

cis-1,3-Dichloropropene

Concen: 67.674 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

Instrument :

MSVOA_W

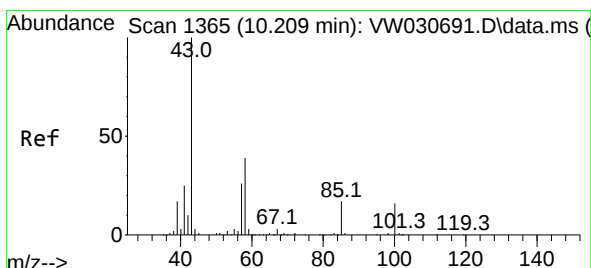
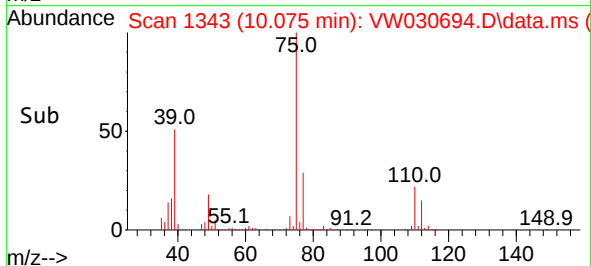
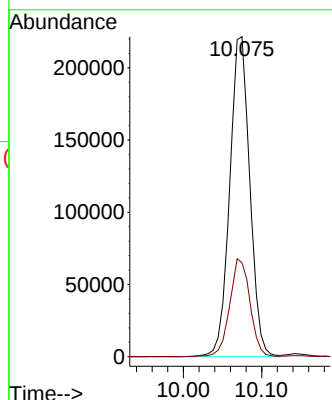
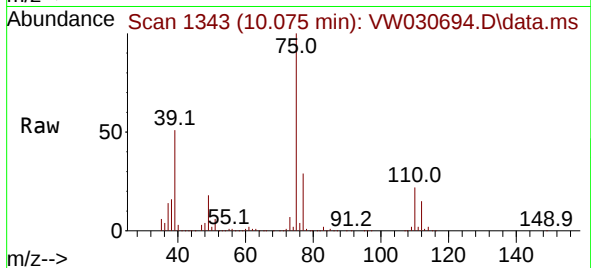
ClientSampleId :

Tgt Ion: 75 Resp: 394576

Ion Ratio Lower Upper

75 100

77 29.4 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 167.491 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

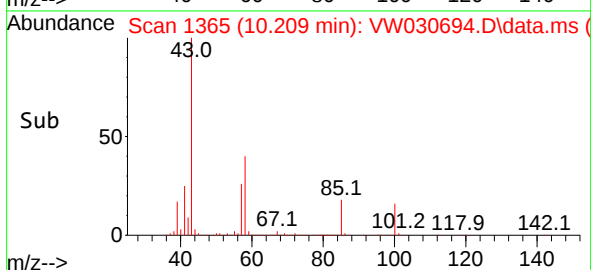
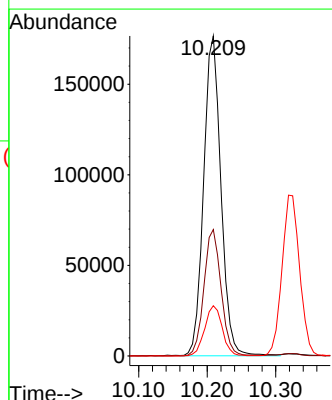
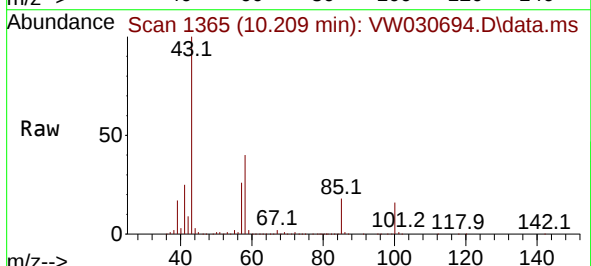
Tgt Ion: 43 Resp: 311030

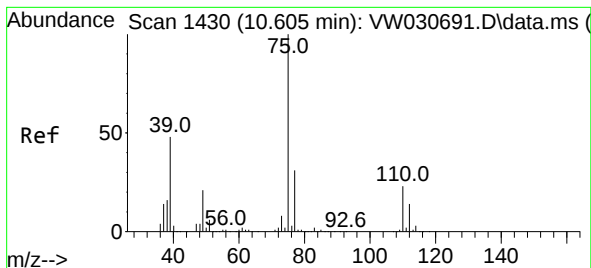
Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.2

100 16.0 13.1 19.7





#44

trans-1,3-Dichloropropene

Concen: 74.302 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

Instrument :

MSVOA_W

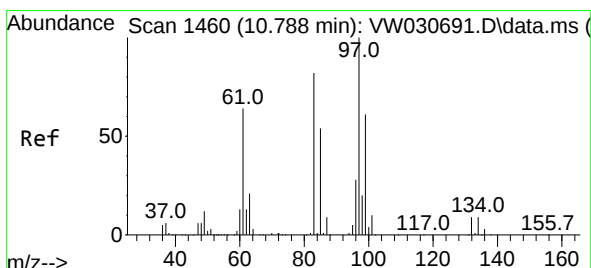
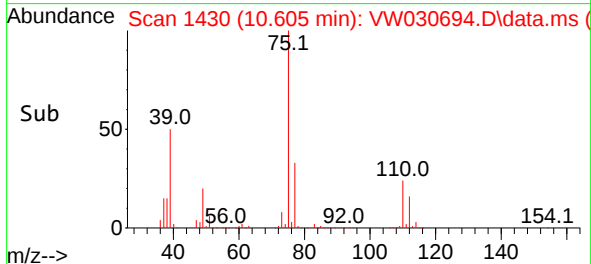
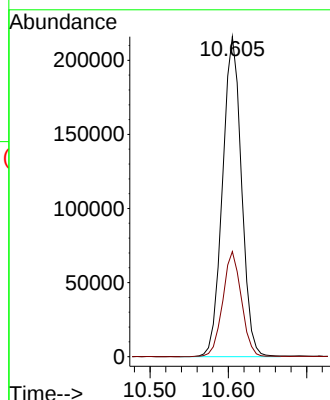
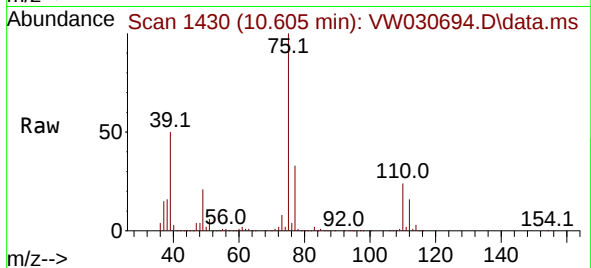
ClientSampleId :

Tgt Ion: 75 Resp: 364045

Ion Ratio Lower Upper

75 100

77 32.9 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 50.186 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

Tgt Ion: 97 Resp: 140203

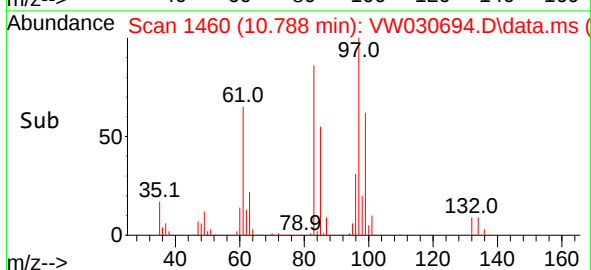
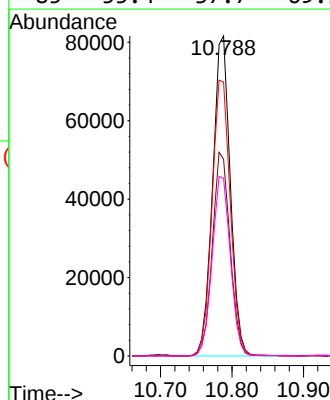
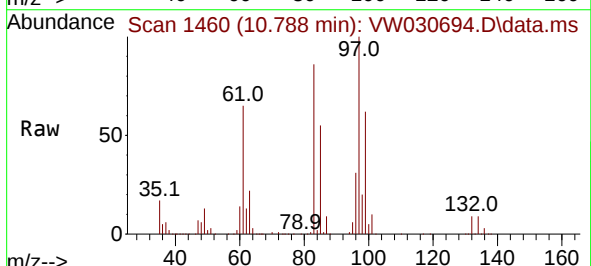
Ion Ratio Lower Upper

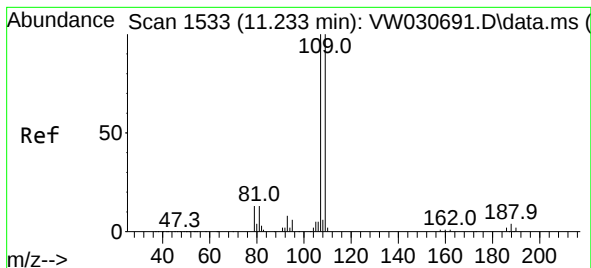
97 100

99 61.5 41.2 76.6

83 85.6 59.6 110.6

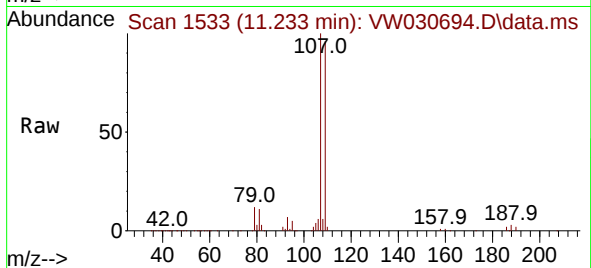
85 55.4 37.7 69.9



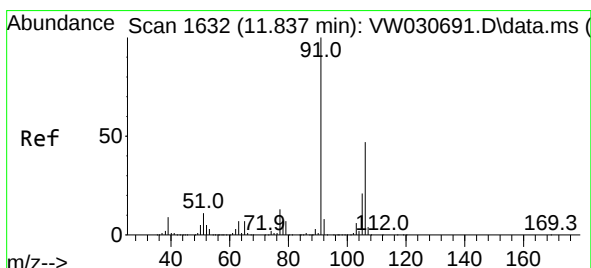
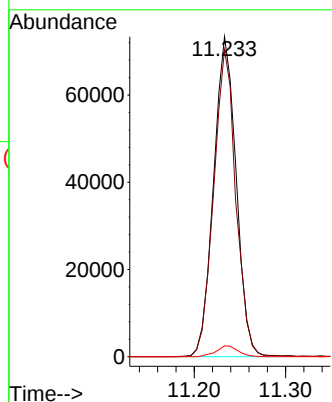
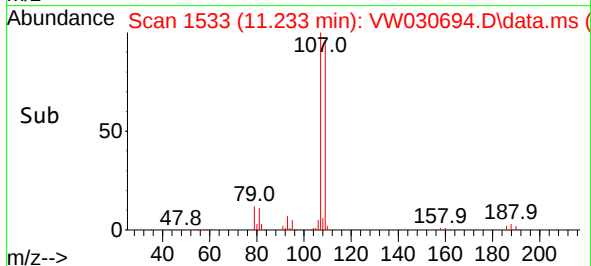


#50
1,2-Dibromoethane
Concen: 48.181 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Instrument :
MSVOA_W
ClientSampleId :

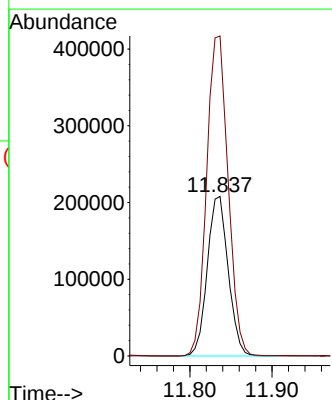
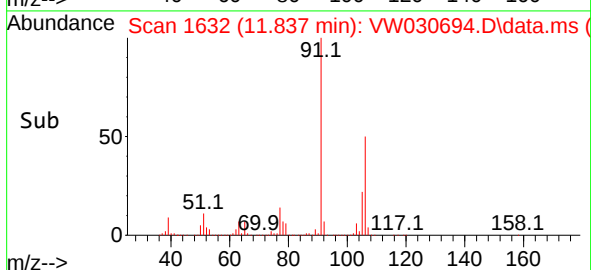
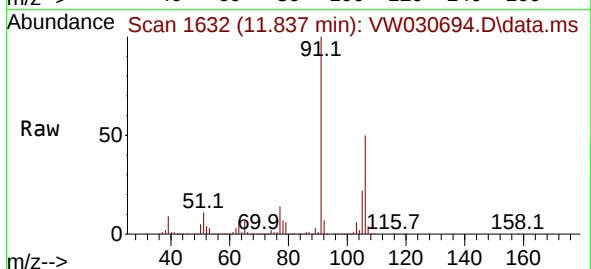


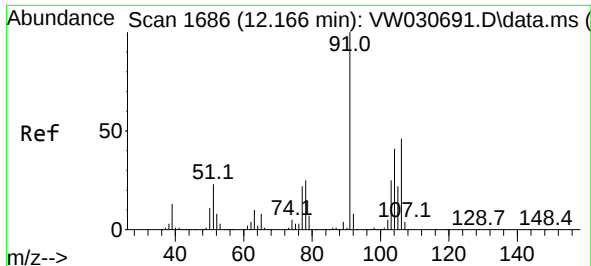
Tgt Ion:107 Resp: 125597
Ion Ratio Lower Upper
107 100
109 96.0 63.8 118.6
188 3.4 2.6 3.8



#53
m,p-Xylene
Concen: 52.072 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion:106 Resp: 367556
Ion Ratio Lower Upper
106 100
91 200.6 140.6 261.2

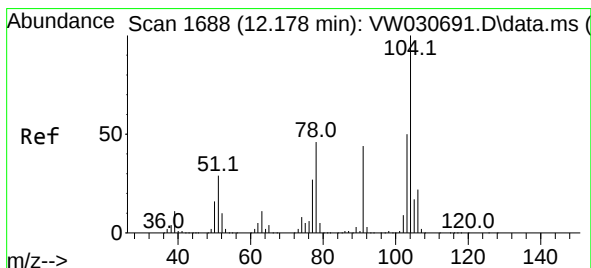
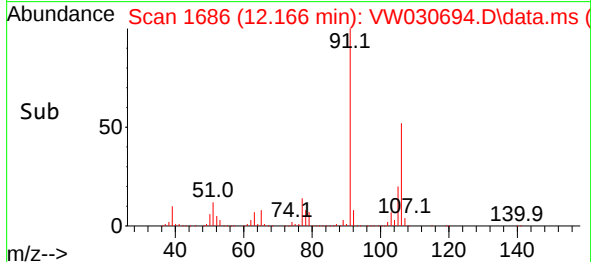
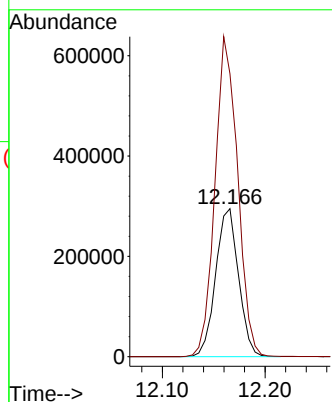
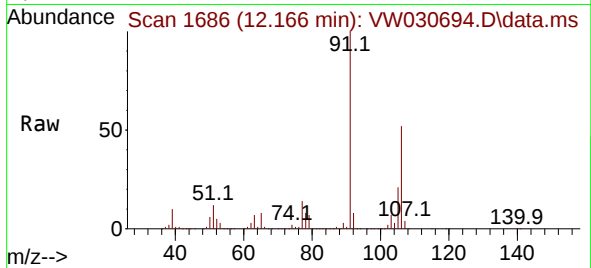




#54
o-Xylene
Concen: 69.908 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

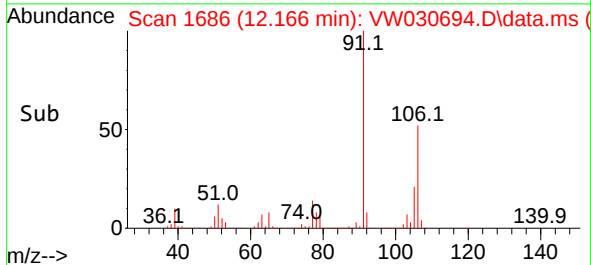
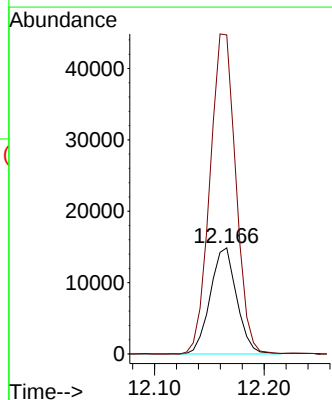
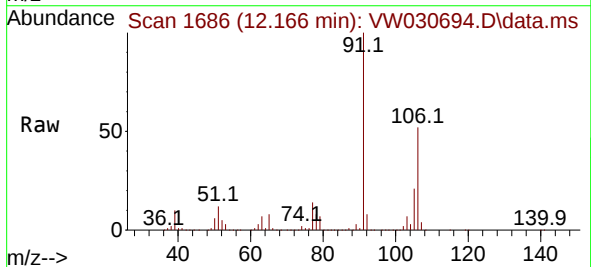
Instrument :
MSVOA_W
ClientSampleId :

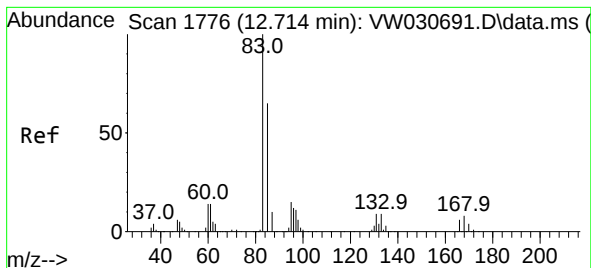
Tgt Ion:106 Resp: 456197
Ion Ratio Lower Upper
106 100
91 191.2 144.5 268.4



#55
Styrene
Concen: 2.236 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.012 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion:104 Resp: 24942
Ion Ratio Lower Upper
104 100
78 300.6 34.3 63.7#





#57

1,1,2,2-Tetrachloroethane

Concen: 51.930 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

Instrument :

MSVOA_W

ClientSampleId :

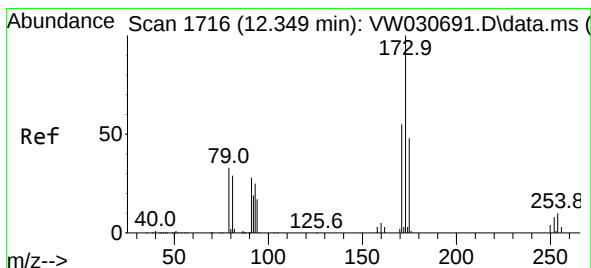
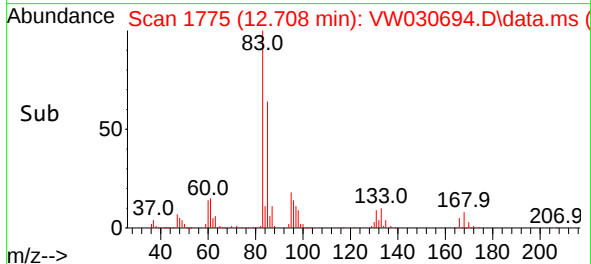
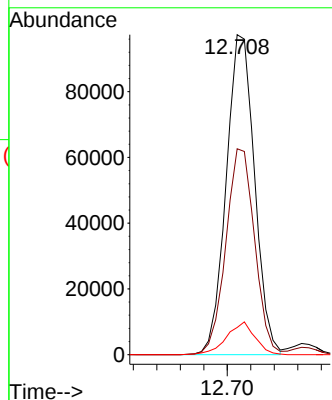
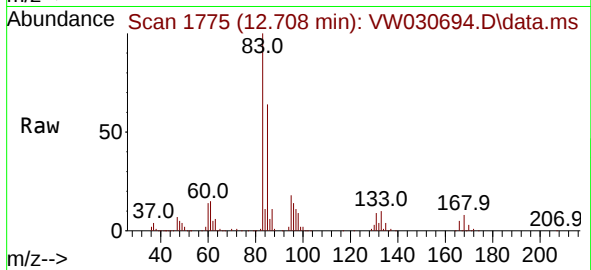
Tgt Ion: 83 Resp: 163600

Ion Ratio Lower Upper

83 100

85 64.3 42.6 79.2

131 8.5 7.4 11.0



#59

Bromoform

Concen: 19.773 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

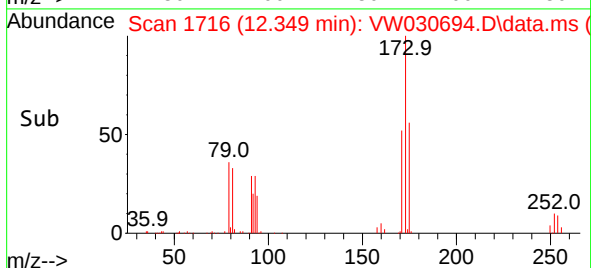
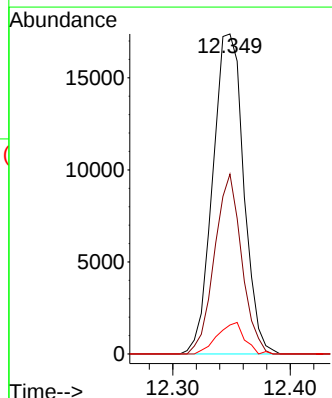
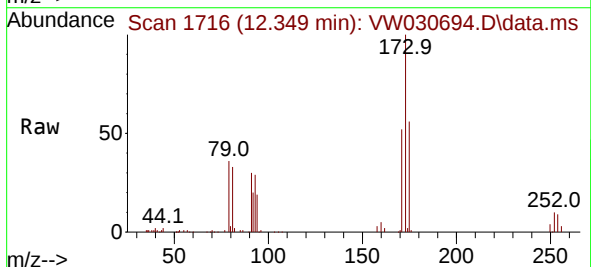
Tgt Ion:173 Resp: 31800

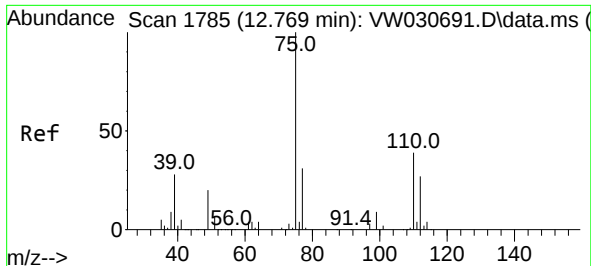
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 8.5 7.7 11.5

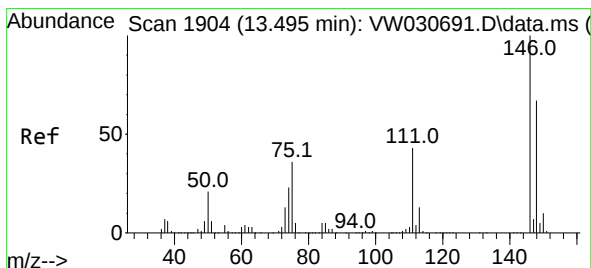
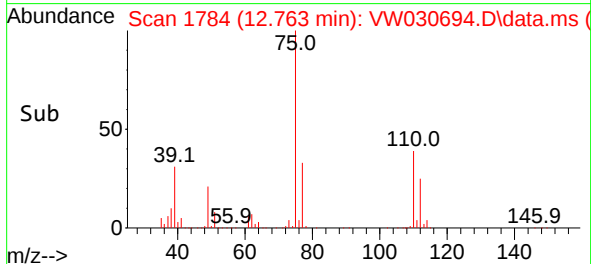
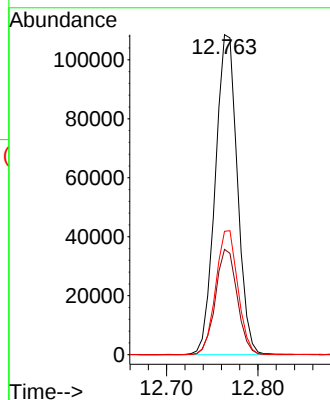
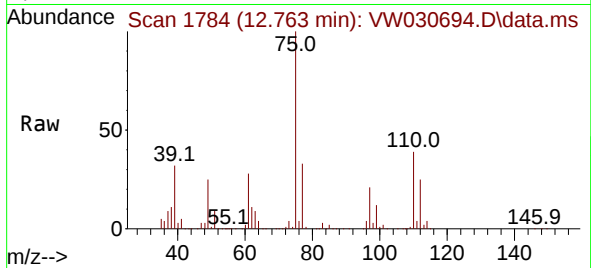




#61
1,2,3-Trichloropropane
Concen: 82.036 ug/L
RT: 12.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

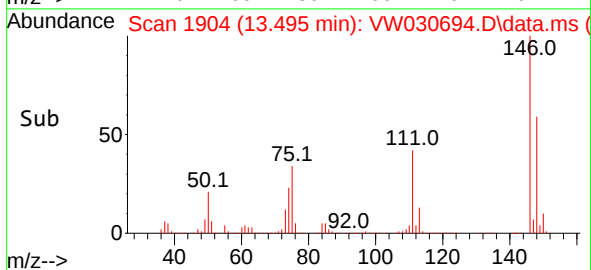
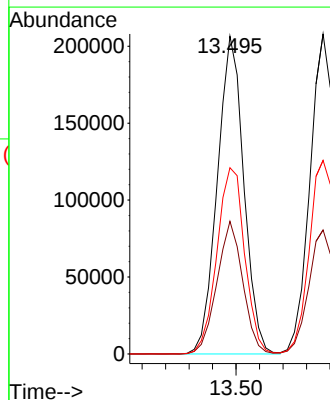
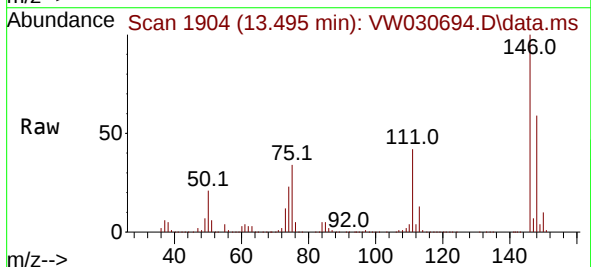
Instrument :
MSVOA_W
ClientSampleId :

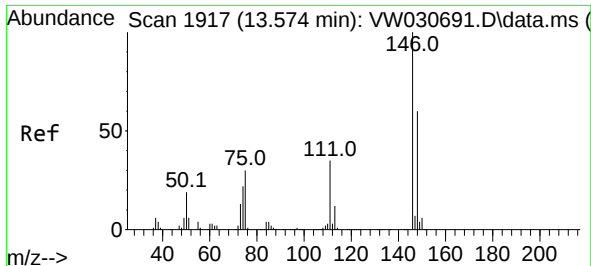
Tgt Ion: 75 Resp: 182727
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5
110 38.8 32.3 48.5



#64
1,3-Dichlorobenzene
Concen: 42.009 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion:146 Resp: 324144
Ion Ratio Lower Upper
146 100
111 41.8 31.2 58.0
148 58.6 45.7 84.9

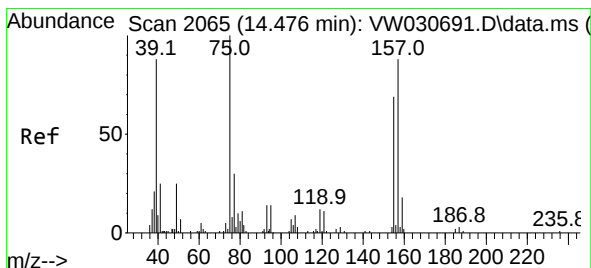
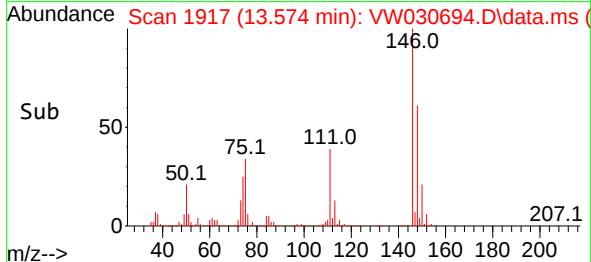
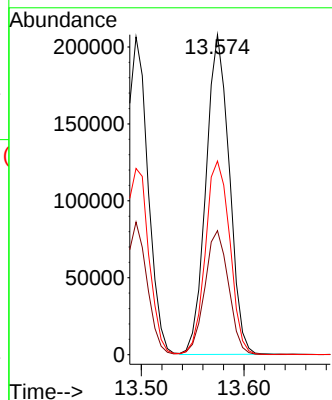
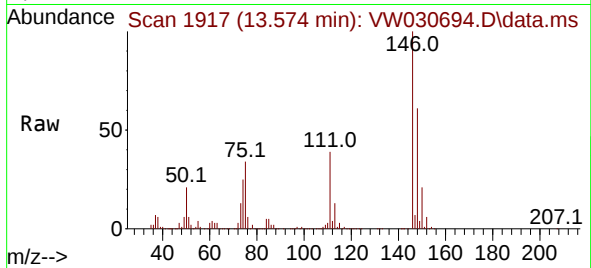




#65
1,4-Dichlorobenzene
Concen: 41.171 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

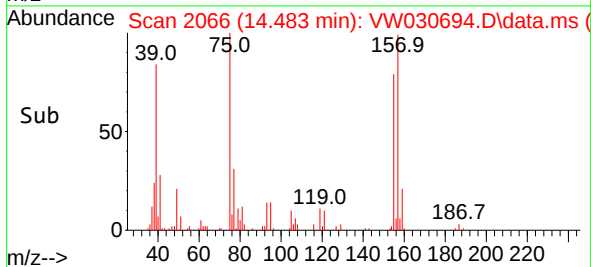
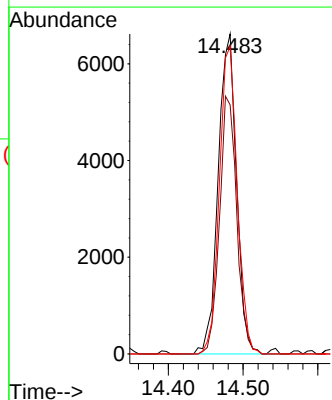
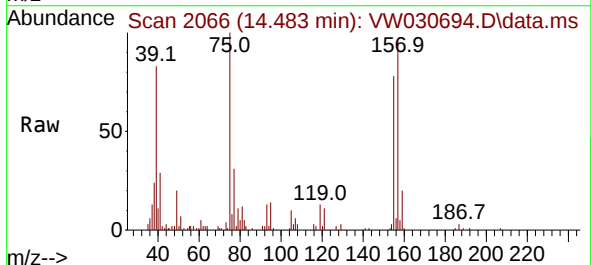
Instrument :
MSVOA_W
ClientSampleId :

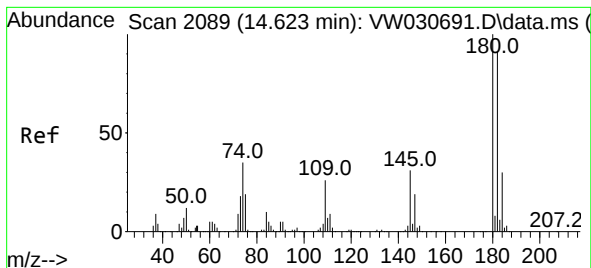
Tgt Ion:146 Resp: 328017
Ion Ratio Lower Upper
146 100
111 38.7 26.8 49.8
148 60.5 41.0 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 22.815 ug/L
RT: 14.483 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Tgt Ion: 75 Resp: 11331
Ion Ratio Lower Upper
75 100
155 77.8 57.9 86.9
157 96.1 69.0 103.6





#69

1,3,5-Trichlorobenzene

Concen: 17.025 ug/L

RT: 15.129 min Scan# 2112

Delta R.T. 0.506 min

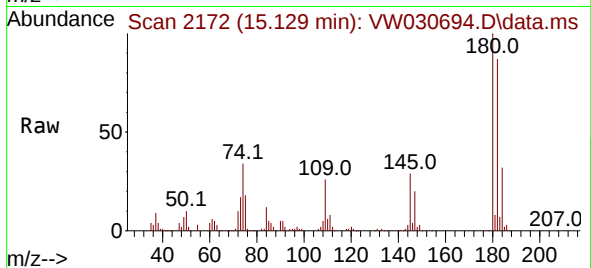
Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 86624

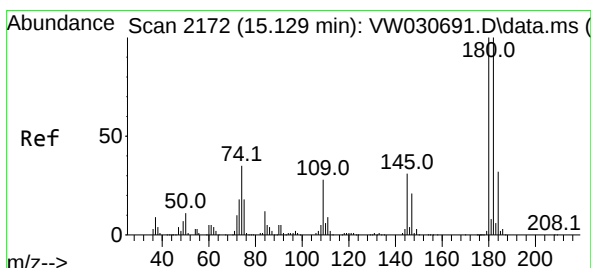
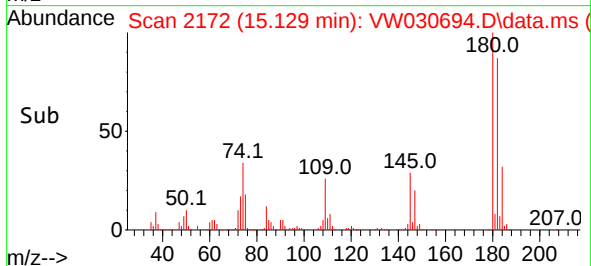
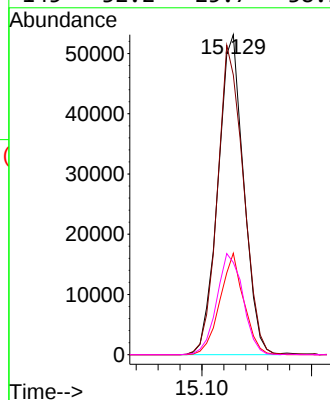
Ion Ratio Lower Upper

180 100

182 97.4 79.9 119.9

184 29.4 25.2 37.8

145 32.2 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 21.148 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW030694.D

Acq: 22 Oct 2024 11:16

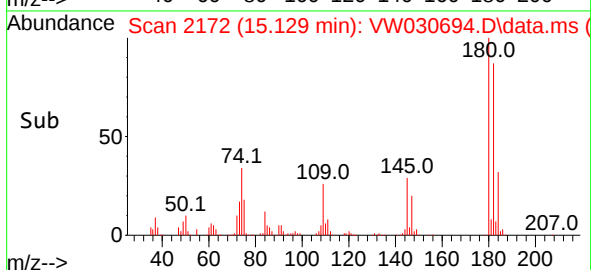
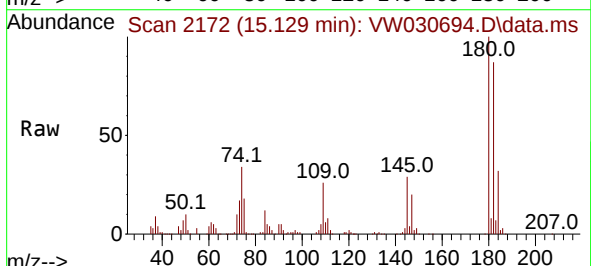
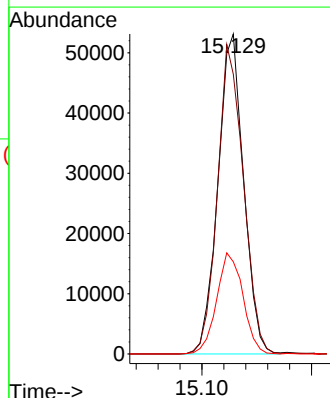
Tgt Ion:180 Resp: 86624

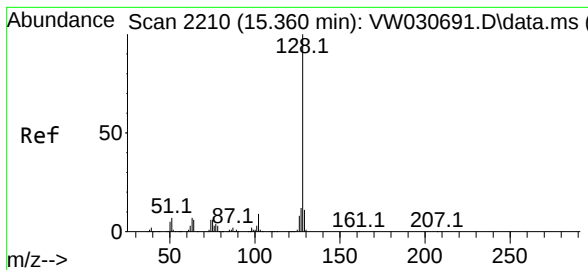
Ion Ratio Lower Upper

180 100

182 97.4 75.2 112.8

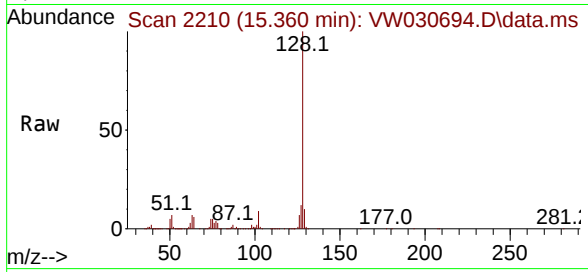
145 32.2 25.4 38.2





#71
Naphthalene
Concen: 83.752 ug/L
RT: 15.360 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW030694.D
Acq: 22 Oct 2024 11:16

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	592698
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.9	16.3
129	10.4	8.8	13.2

