

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102224\
 Data File : VW030714.D
 Acq On : 22 Oct 2024 19:32
 Operator : SY/MD
 Sample : P4415-23MSD
 Misc : 4.47g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4F44MSD

Quant Time: Oct 23 01:41:43 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	419117	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	316049	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	94745	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	73171	11.107	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.440%
7) Chloroethane-d5	2.899	69	81154	16.274	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.080%
11) 1,1-Dichloroethene-d2	4.021	65	29648	10.820	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.280%#
21) 2-Butanone-d5	7.075	46	53675	45.274	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.540%
24) Chloroform-d	7.648	84	241295	20.132	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.520%
26) 1,2-Dichloroethane-d4	8.307	65	119733	19.211	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.840%
32) Benzene-d6	8.276	84	350291	19.096	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.400%
36) 1,2-Dichloropropane-d6	9.270	67	127500	23.681	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.720%
41) Toluene-d8	10.325	98	254666	15.208	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	60.840%
43) trans-1,3-Dichloroprop...	10.575	79	44784	19.865	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.440%
47) 2-Hexanone-d5	10.922	63	42272	60.959	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.920%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	93221	23.577	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.320%
66) 1,2-Dichlorobenzene-d4	13.848	152	62263	19.422	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	71881	13.424	ug/L	98
3) Chloromethane	2.223	50	94605	15.201	ug/L	100
5) Vinyl chloride	2.375	62	114796	14.999	ug/L	96
6) Bromomethane	2.789	94	81394	16.157	ug/L	92
8) Chloroethane	2.936	64	77261	16.513	ug/L	99
9) Trichlorofluoromethane	3.265	101	102536	14.973	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	91550	14.859	ug/L #	70
12) 1,1-Dichloroethene	4.039	96	81410	14.478	ug/L	95
13) Acetone	4.119	43	29875	17.212	ug/L	94
14) Carbon disulfide	4.393	76	180064	9.806	ug/L	100
15) Methyl Acetate	4.667	43	32076	14.960	ug/L	95
16) Methylene chloride	4.917	84	98916	15.611	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	89521	14.754	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	146614	17.265	ug/L	100
19) 1,1-Dichloroethane	6.222	63	188690	16.732	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	103943	16.061	ug/L	96
22) 2-Butanone	7.167	43	39897	21.324	ug/L	98
23) Bromochloromethane	7.514	128	43859	15.491	ug/L	95
25) Chloroform	7.679	83	196033	16.267	ug/L	96

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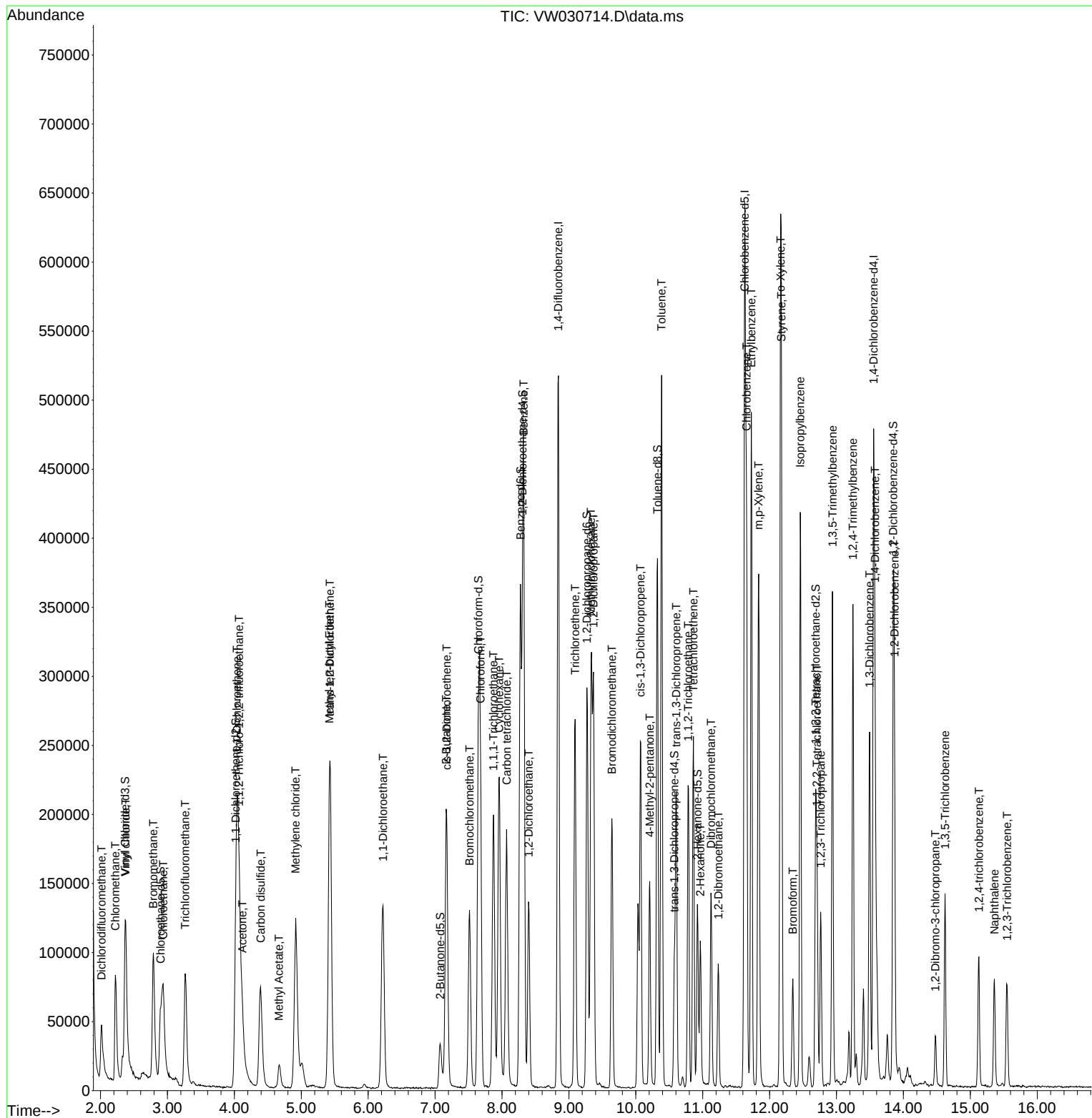
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	120759	15.189	ug/L	100
29) Cyclohexane	7.959	56	119509	15.534	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	152784	18.211	ug/L	99
31) Carbon tetrachloride	8.069	117	128821	17.191	ug/L	94
33) Benzene	8.325	78	385394	18.738	ug/L	100
34) Trichloroethene	9.093	95	90997	15.903	ug/L	96
35) Methylcyclohexane	9.331	83	121921	13.539	ug/L	99
37) 1,2-Dichloropropane	9.368	63	102731	19.999	ug/L	100
38) Bromodichloromethane	9.642	83	130142	19.043	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	141220	18.227	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	94865	38.442	ug/L	99
42) Toluene	10.386	91	363018	16.544	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	112129	17.222	ug/L	96
45) 1,1,2-Trichloroethane	10.782	97	67405	18.157	ug/L	98
46) Tetrachloroethene	10.861	164	50609	11.992	ug/L	98
48) 2-Hexanone	10.965	43	65163	32.290	ug/L	97
49) Dibromochloromethane	11.123	129	70209	16.949	ug/L	99
50) 1,2-Dibromoethane	11.233	107	56968	16.445	ug/L #	99
51) Chlorobenzene	11.654	112	202759	14.355	ug/L	99
52) Ethylbenzene	11.727	91	328244	13.110	ug/L	100
53) m,p-Xylene	11.837	106	117355	12.511	ug/L	97
54) o-Xylene	12.166	106	116727	13.460	ug/L	95
55) Styrene	12.178	104	173767	11.721	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.708	83	65541	15.655	ug/L	98
59) Bromoform	12.349	173	31961	24.010	ug/L	100
60) Isopropylbenzene	12.458	105	251093	17.113	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	47814	25.935	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	174755	15.097	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	174312	15.380	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	92871	14.542	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	96530	14.638	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	82598	14.697	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	8704	21.173	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	38622	9.171	ug/L	93
70) 1,2,4-trichlorobenzene	15.129	180	27502	8.112	ug/L	99
71) Naphthalene	15.360	128	64803	11.063	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	22706	7.725	ug/L	93

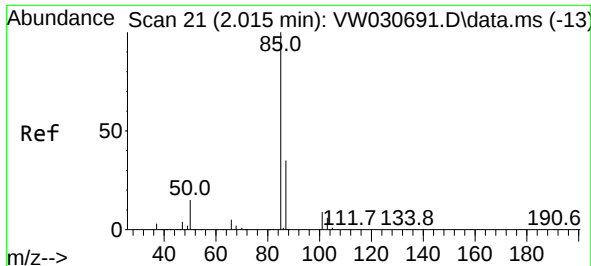
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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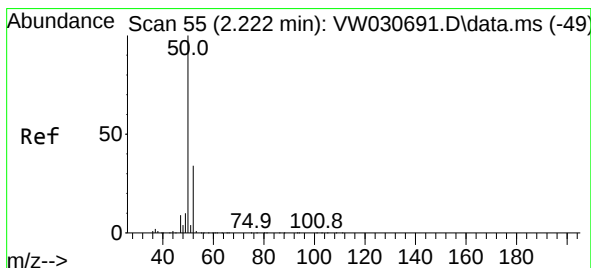
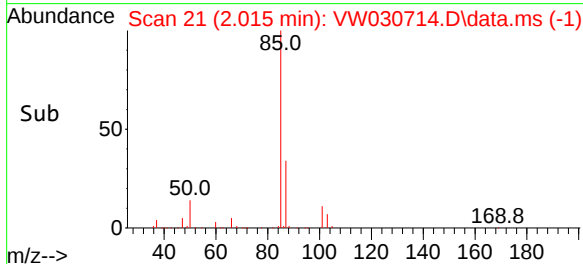
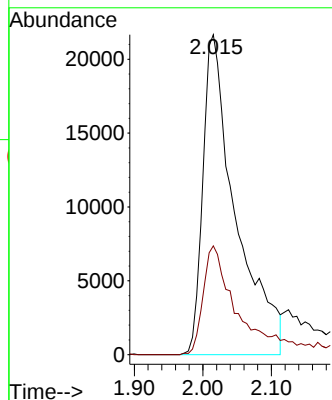
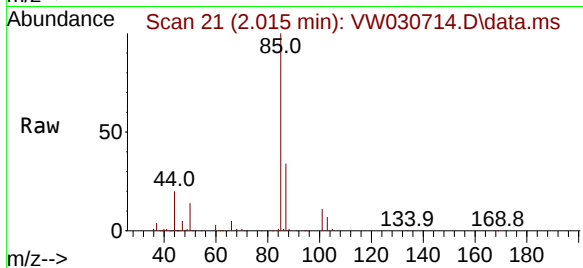




#2
Dichlorodifluoromethane
Concen: 13.424 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

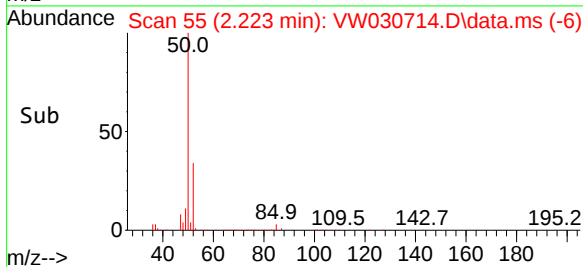
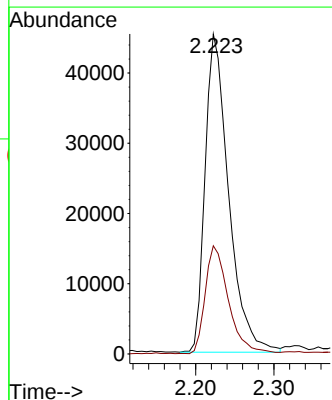
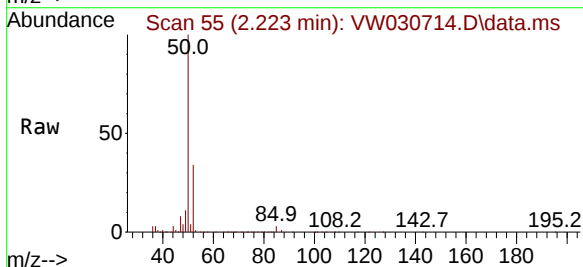
Instrument :
MSVOA_W
ClientSampleId :
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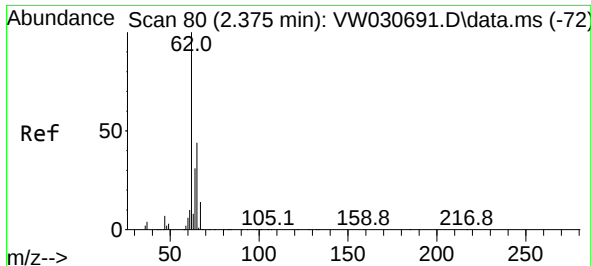
Tgt Ion: 85 Resp: 71881
Ion Ratio Lower Upper
85 100
87 28.8 23.8 35.6



#3
Chloromethane
Concen: 15.201 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion: 50 Resp: 94605
Ion Ratio Lower Upper
50 100
52 33.8 23.7 43.9

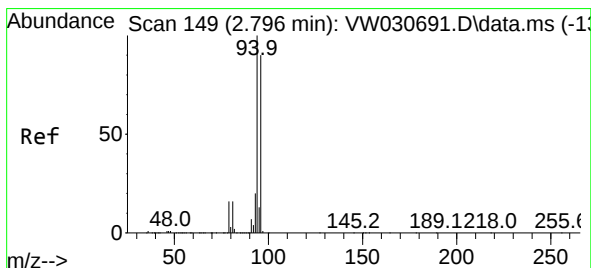
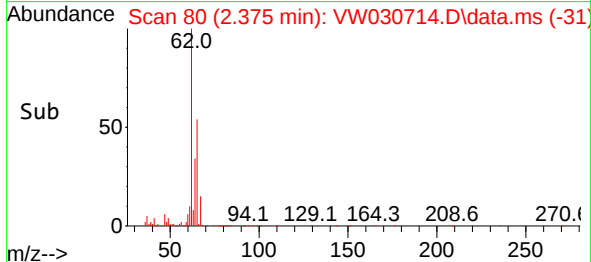
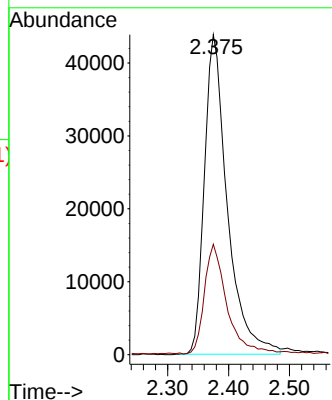
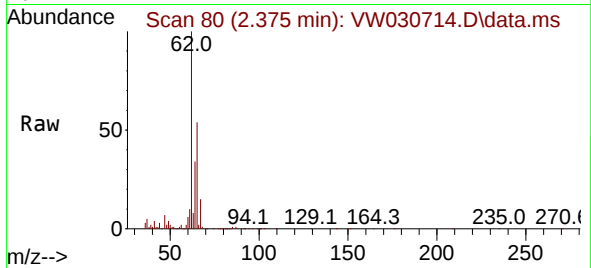




#5
 Vinyl chloride
 Concen: 14.999 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW030714.D
 Acq: 22 Oct 2024 19:32

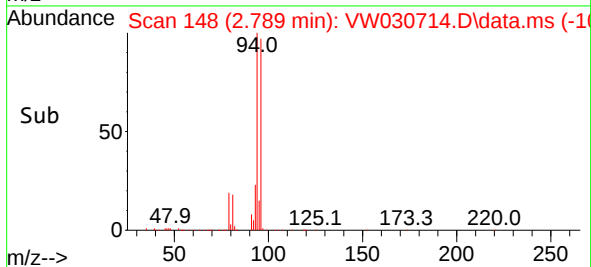
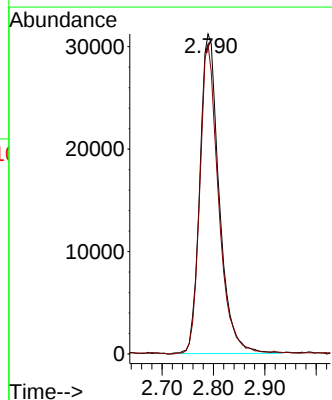
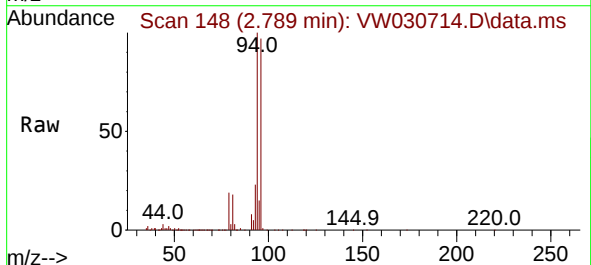
Instrument :
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 ClientSampleId :
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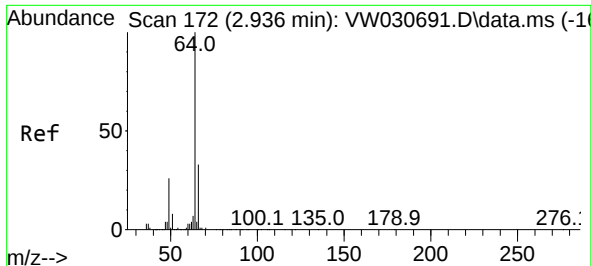
Tgt Ion: 62 Resp: 114796
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.6 42.0



#6
 Bromomethane
 Concen: 16.157 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.006 min
 Lab File: VW030714.D
 Acq: 22 Oct 2024 19:32

Tgt Ion: 94 Resp: 81394
 Ion Ratio Lower Upper
 94 100
 96 96.6 62.6 116.2

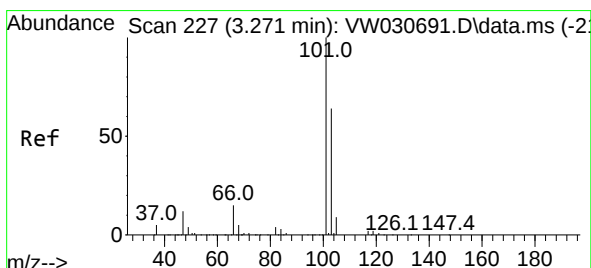
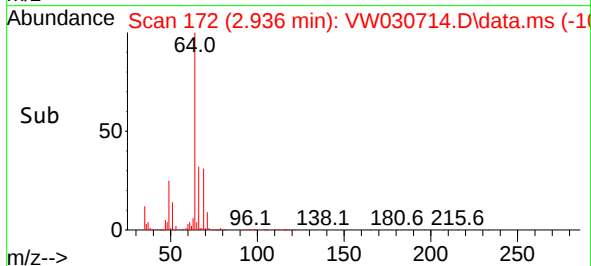
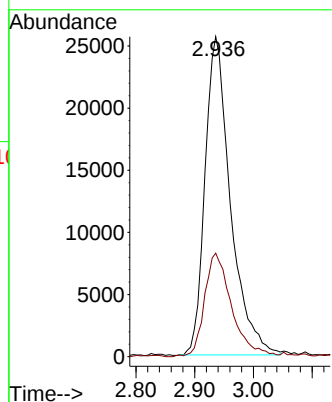
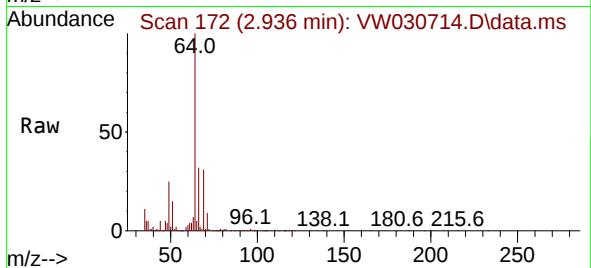




#8
Chloroethane
Concen: 16.513 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

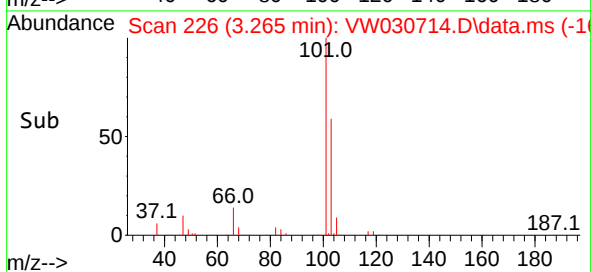
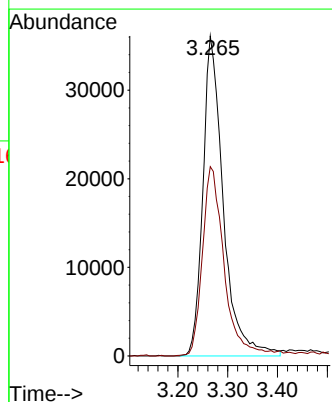
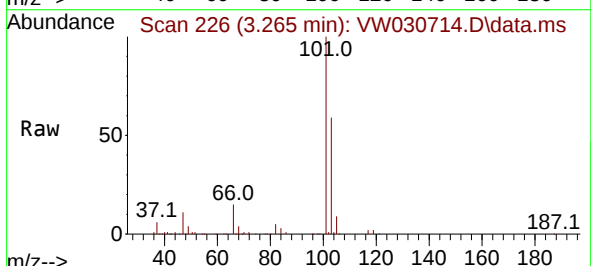
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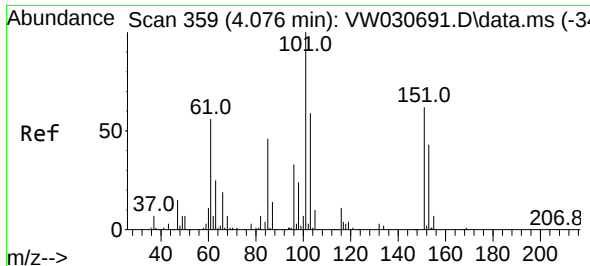
Tgt Ion: 64 Resp: 77261
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 14.973 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion:101 Resp: 102536
Ion Ratio Lower Upper
101 100
103 62.2 51.1 76.7





#10

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

Concen: 14.859 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

A4F44MSD

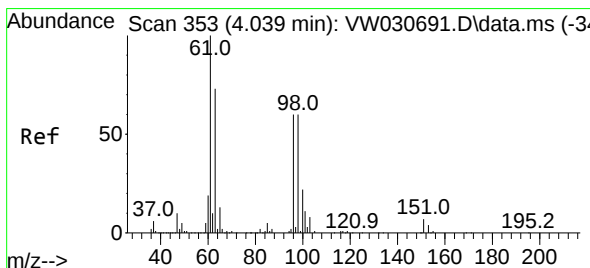
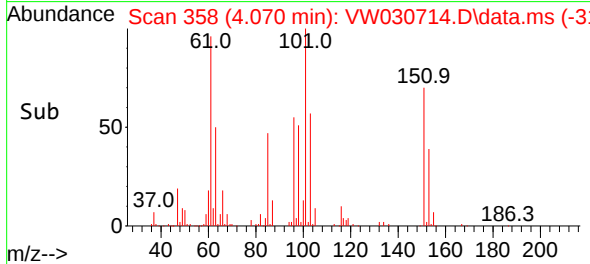
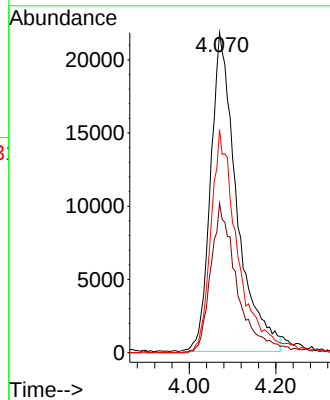
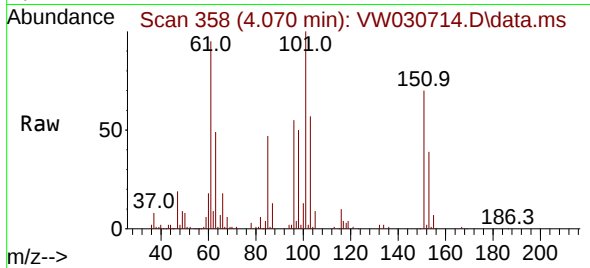
Tgt Ion:101 Resp: 91550

Ion Ratio Lower Upper

101 100

85 47.0 35.7 53.5

151 31.5 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 14.478 ug/L

RT: 4.039 min Scan# 353

Delta R.T. 0.000 min

Lab File: VW030714.D

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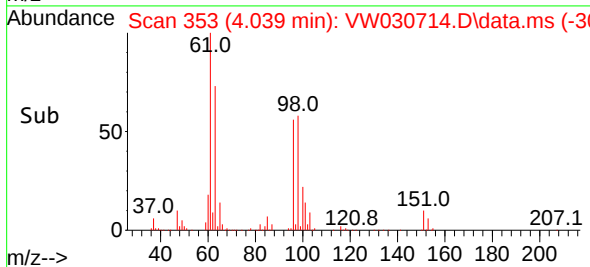
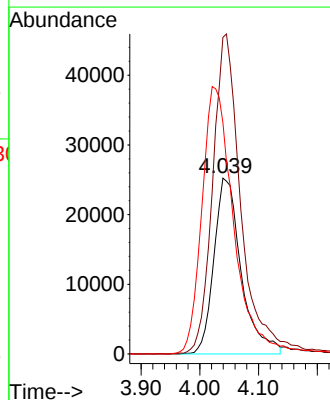
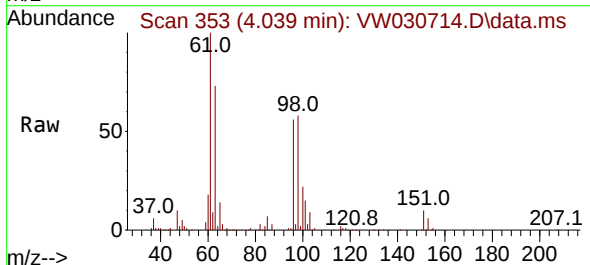
Tgt Ion: 96 Resp: 81410

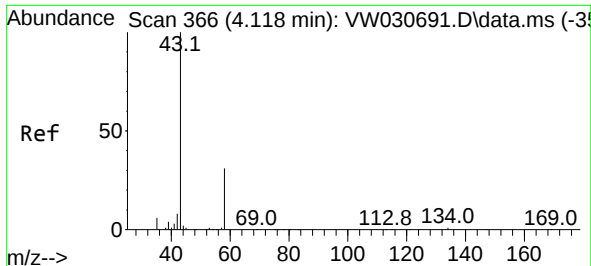
Ion Ratio Lower Upper

96 100

61 180.1 121.3 225.3

63 131.5 87.6 162.8





#13

Acetone

Concen: 17.212 ug/L

RT: 4.119 min Scan# 30

Delta R.T. 0.000 min

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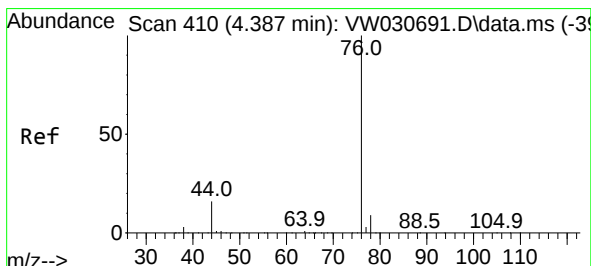
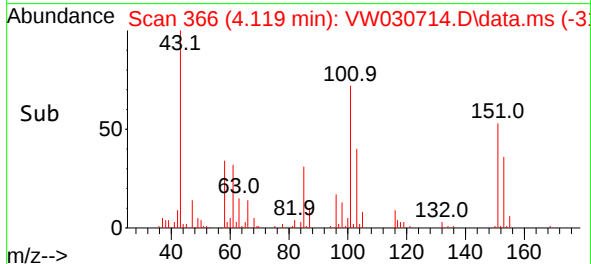
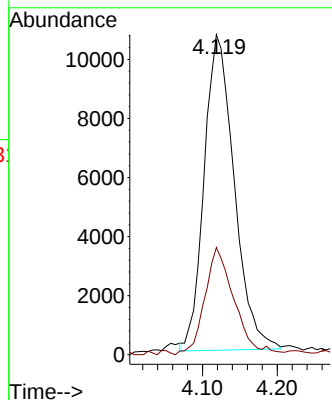
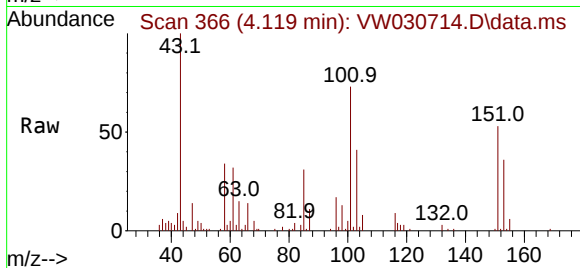
A4F44MSD

Tgt Ion: 43 Resp: 29875

Ion Ratio Lower Upper

43 100

58 32.2 0.0 57.6



#14

Carbon disulfide

Concen: 9.806 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.006 min

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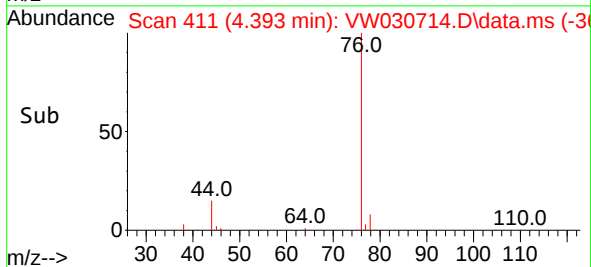
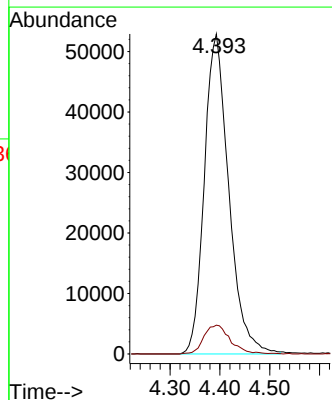
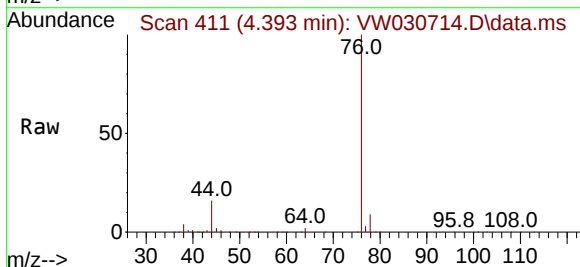
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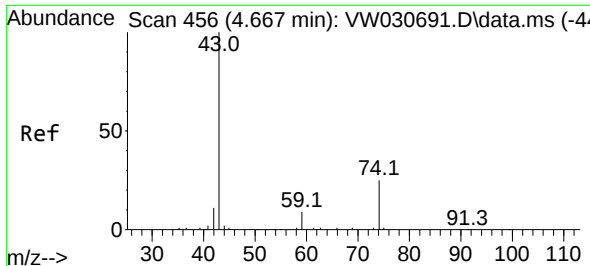
Tgt Ion: 76 Resp: 180064

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

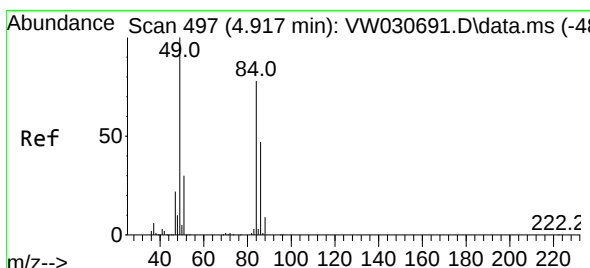
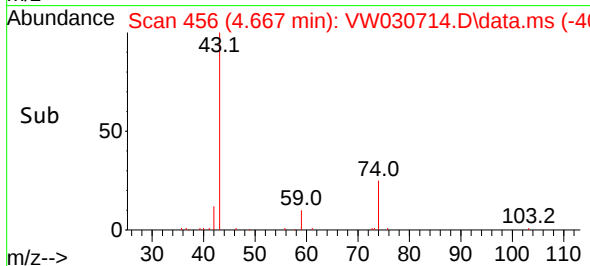
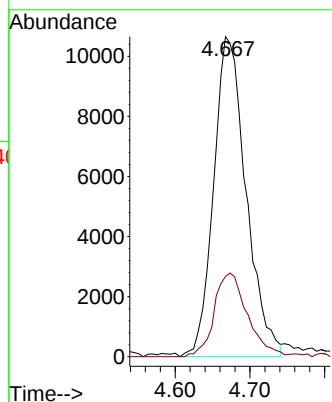
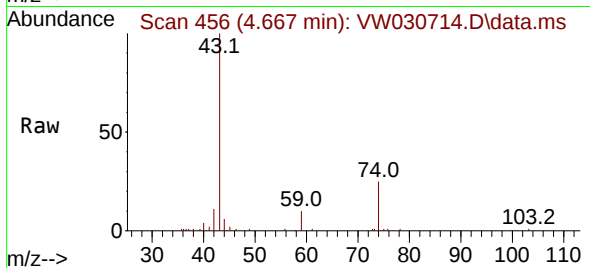




#15
Methyl Acetate
Concen: 14.960 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

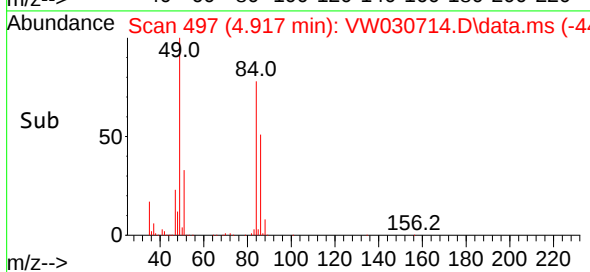
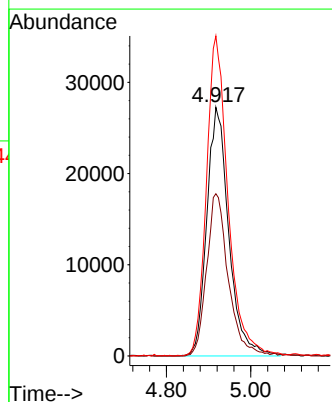
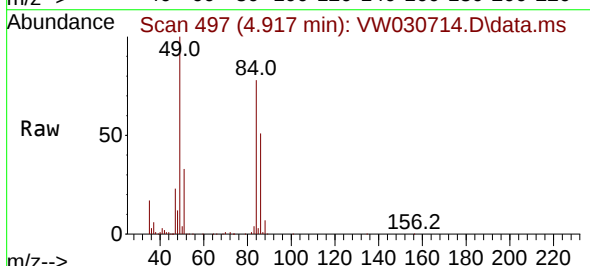
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

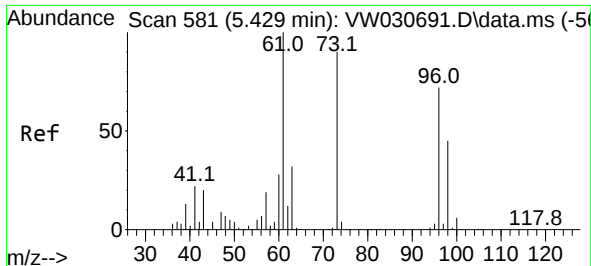
Tgt Ion: 43 Resp: 32076
Ion Ratio Lower Upper
43 100
74 26.7 19.3 28.9



#16
Methylene chloride
Concen: 15.611 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion: 84 Resp: 98916
Ion Ratio Lower Upper
84 100
86 65.3 43.8 81.3
49 128.7 88.3 164.1

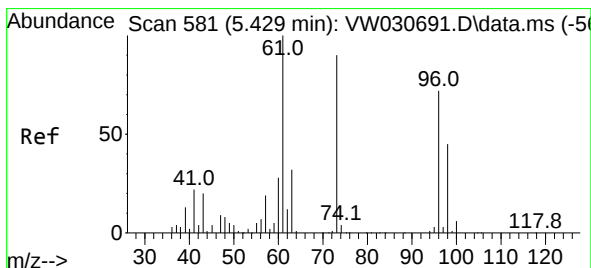
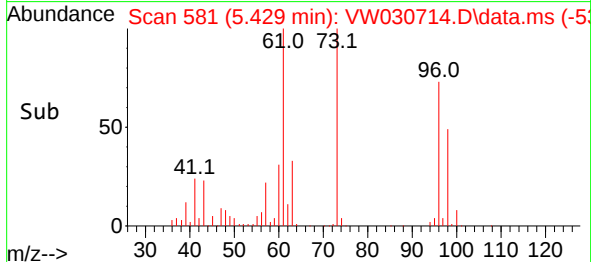
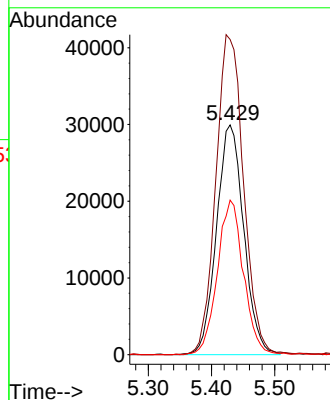
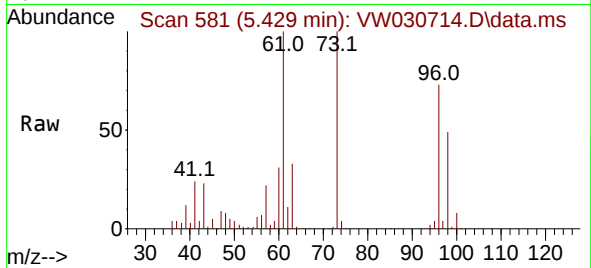




#17
trans-1,2-Dichloroethene
Concen: 14.754 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

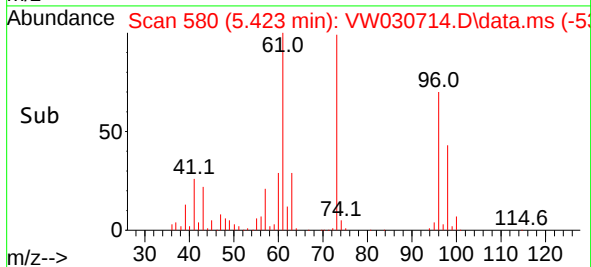
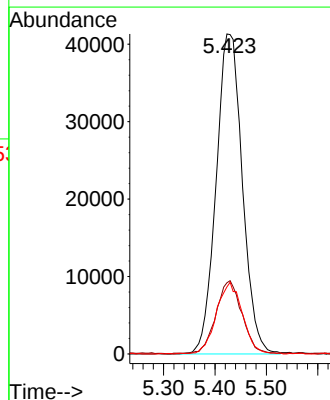
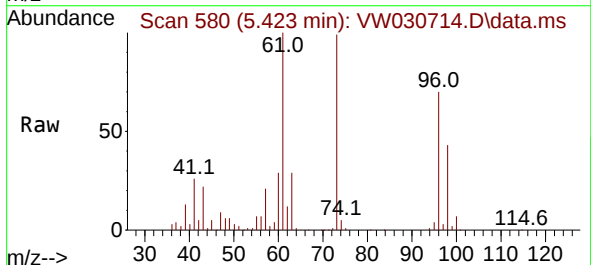
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

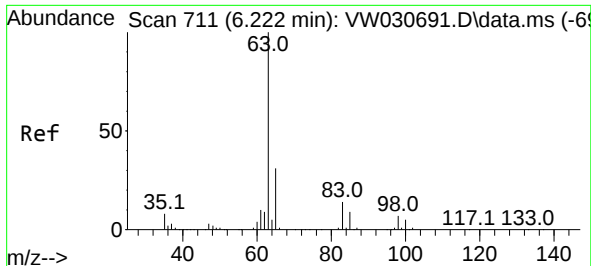
Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.2	96.9	179.9
98	67.3	42.2	78.4



#18
Methyl tert-butyl Ether
Concen: 17.265 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.3	18.1	27.1
57	22.0	17.7	26.5





#19

1,1-Dichloroethane

Concen: 16.732 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

A4F44MSD

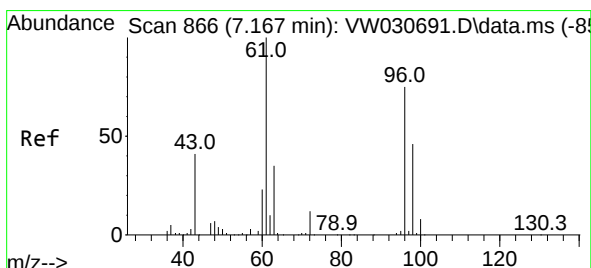
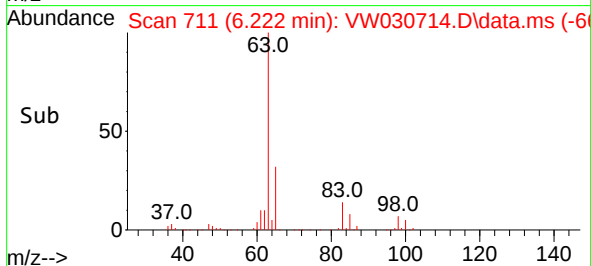
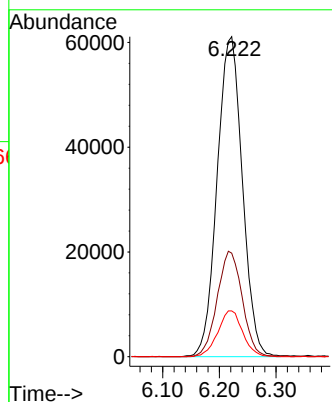
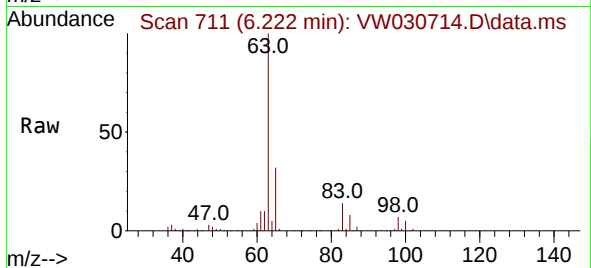
Tgt Ion: 63 Resp: 188690

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.9

83 14.3 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 16.061 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

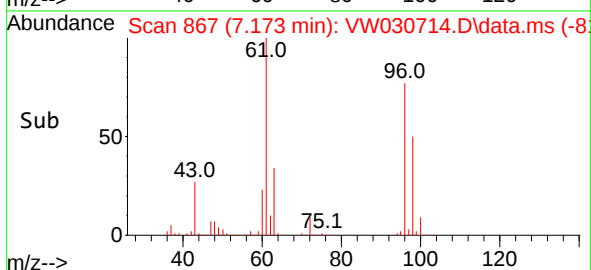
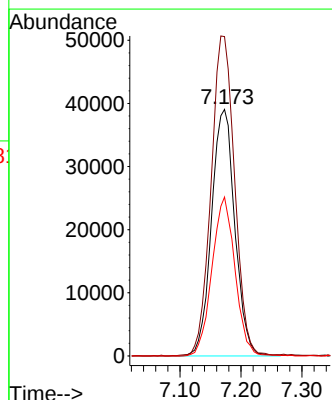
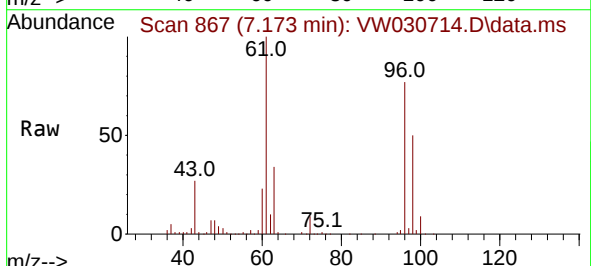
Tgt Ion: 96 Resp: 103943

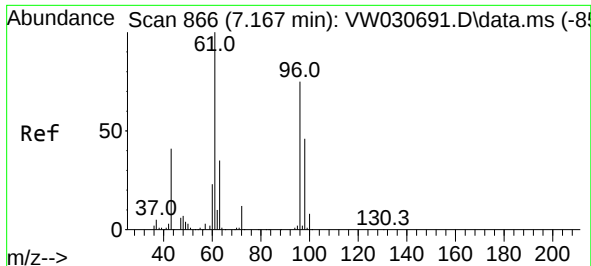
Ion Ratio Lower Upper

96 100

61 129.5 88.3 163.9

98 64.4 41.3 76.7

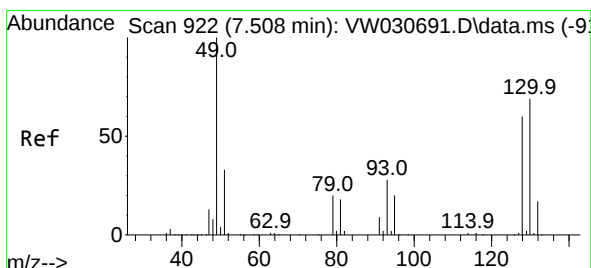
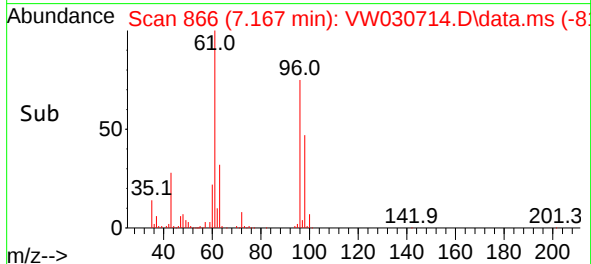
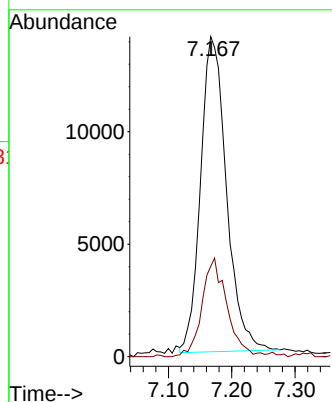
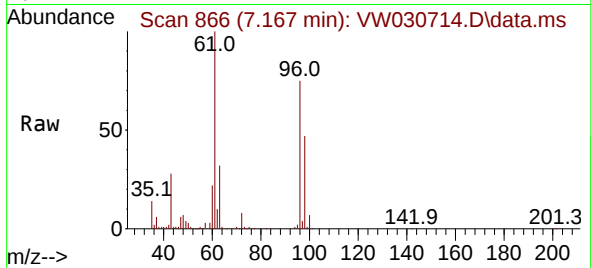




#22
2-Butanone
Concen: 21.324 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

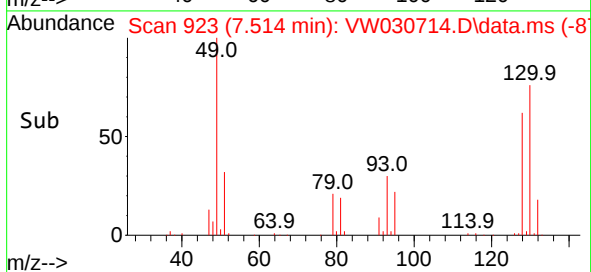
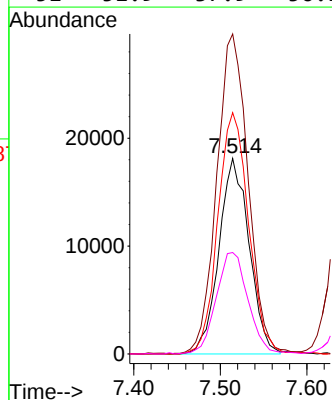
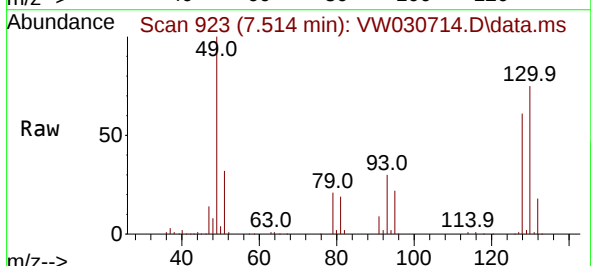
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

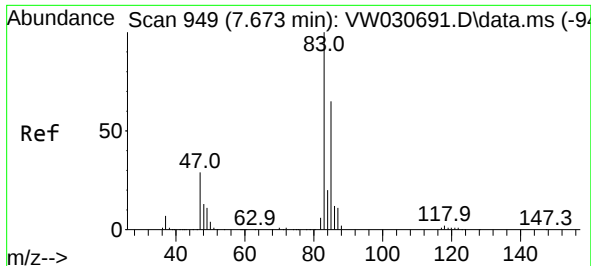
Tgt Ion: 43 Resp: 39897
Ion Ratio Lower Upper
43 100
72 29.7 14.4 43.0



#23
Bromochloromethane
Concen: 15.491 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion: 128 Resp: 43859
Ion Ratio Lower Upper
128 100
49 163.6 110.1 204.5
130 123.3 82.9 153.9
51 51.9 37.9 56.9

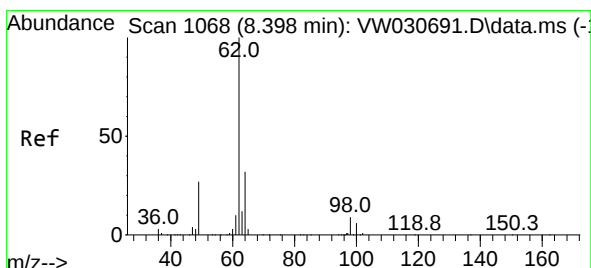
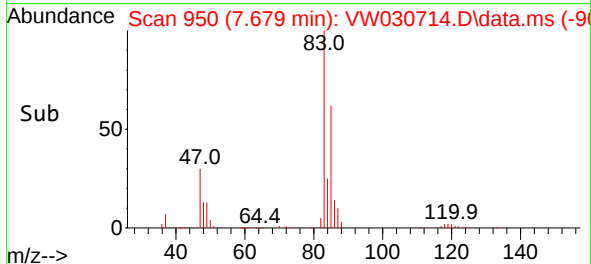
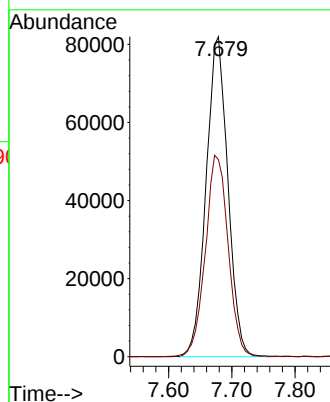
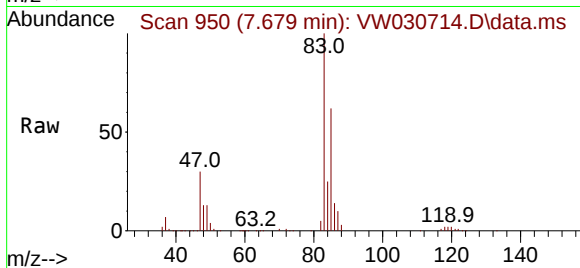




#25
Chloroform
Concen: 16.267 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

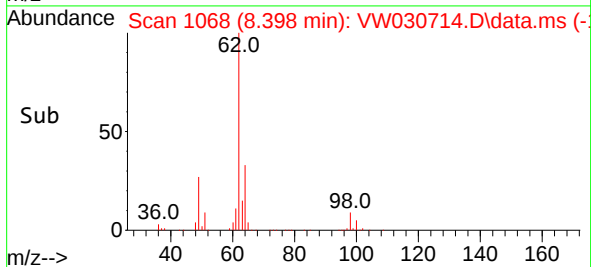
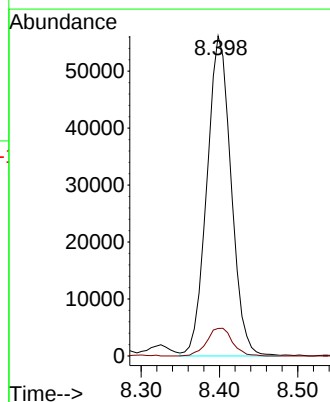
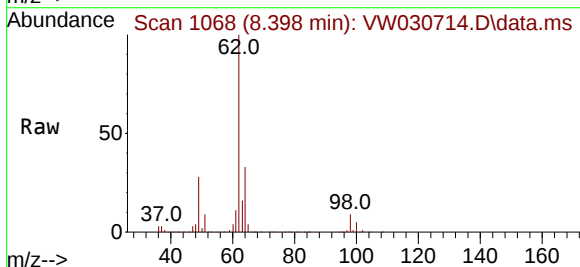
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

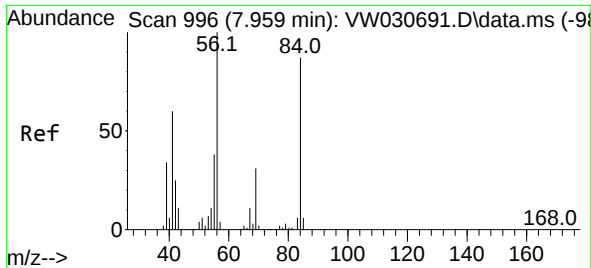
Tgt Ion: 83 Resp: 196033
Ion Ratio Lower Upper
83 100
85 61.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 15.189 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion: 62 Resp: 120759
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.6

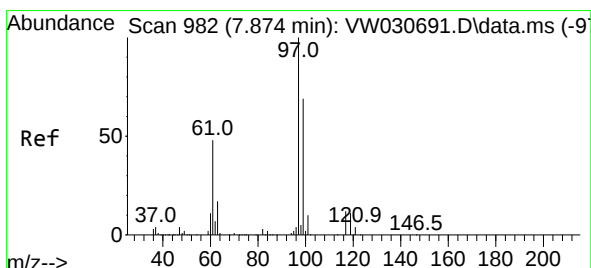
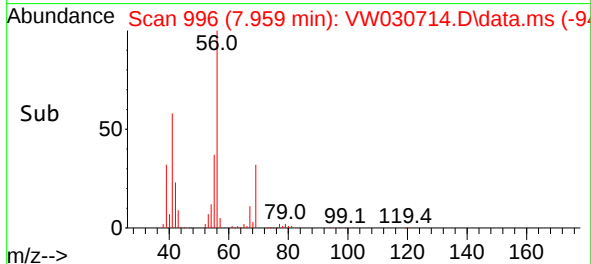
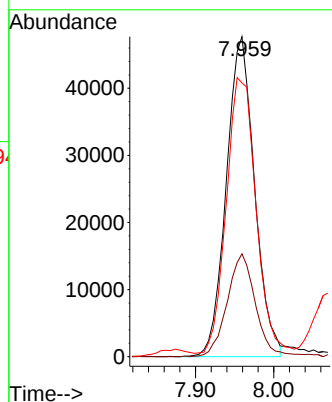
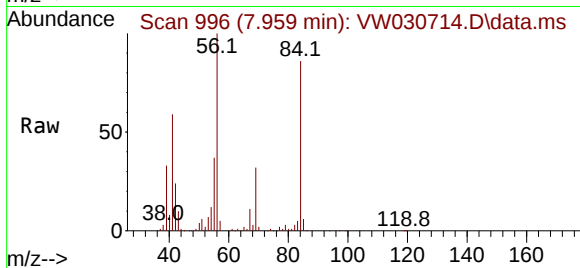




#29
Cyclohexane
Concen: 15.534 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

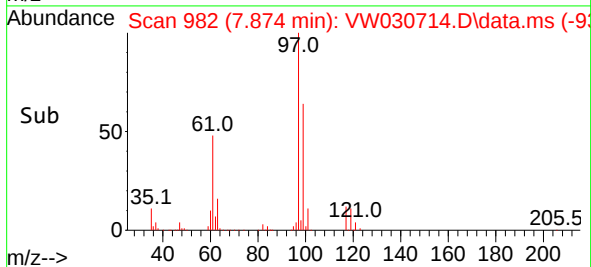
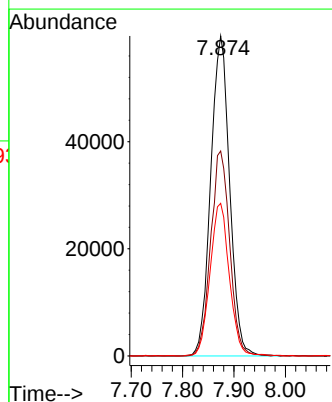
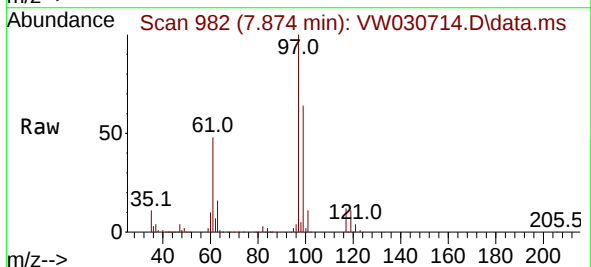
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

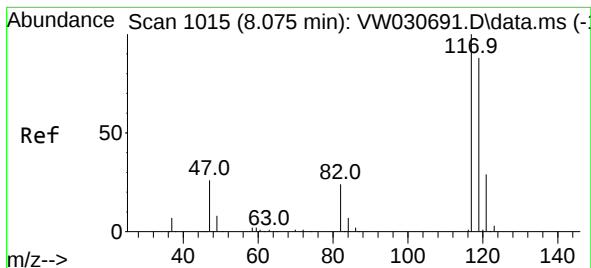
Tgt Ion: 56 Resp: 119509
Ion Ratio Lower Upper
56 100
69 32.2 25.4 38.0
84 92.2 72.3 108.5



#30
1,1,1-Trichloroethane
Concen: 18.211 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion: 97 Resp: 152784
Ion Ratio Lower Upper
97 100
99 64.4 52.3 78.5
61 48.5 38.5 57.7





#31

Carbon tetrachloride

Concen: 17.191 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.006 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

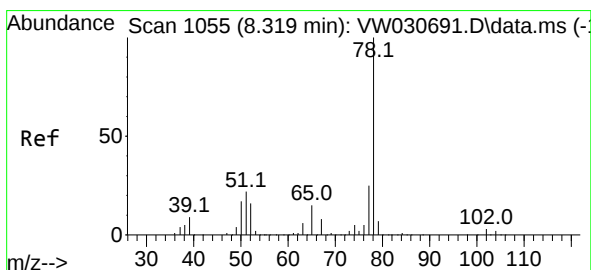
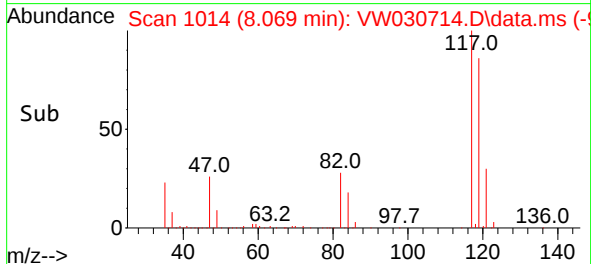
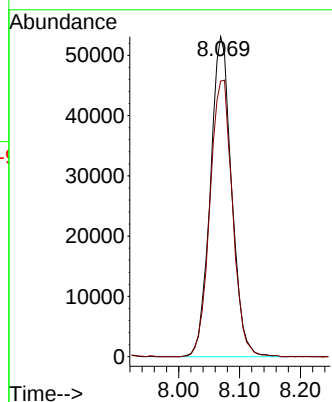
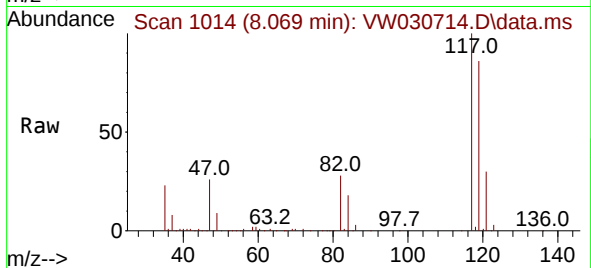
A4F44MSD

Tgt Ion:117 Resp: 128821

Ion Ratio Lower Upper

117 100

119 91.6 77.8 116.8



#33

Benzene

Concen: 18.738 ug/L

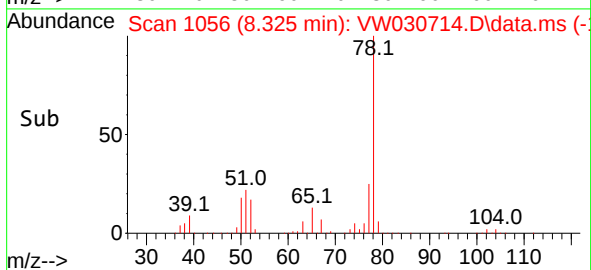
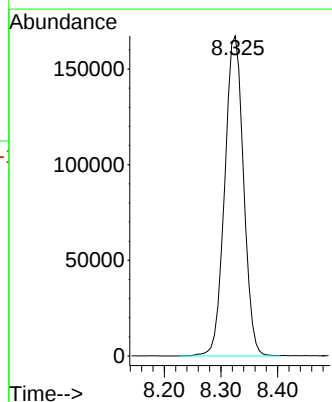
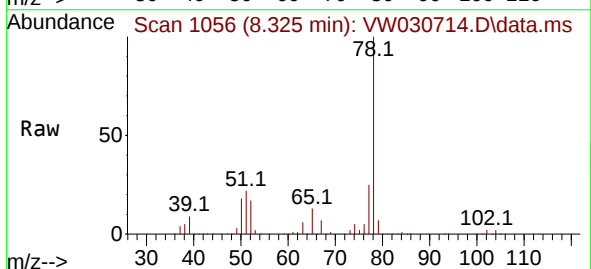
RT: 8.325 min Scan# 1056

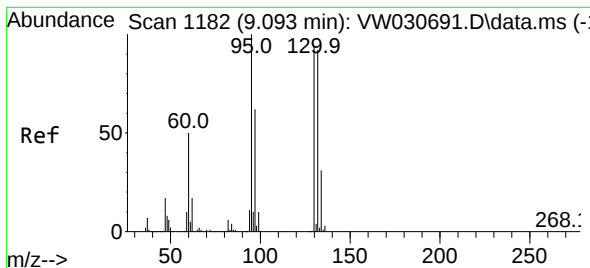
Delta R.T. 0.006 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Tgt Ion: 78 Resp: 385394





#34

Trichloroethene

Concen: 15.903 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

A4F44MSD

Tgt Ion: 95 Resp: 90997

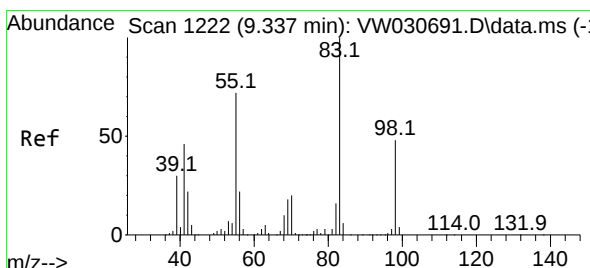
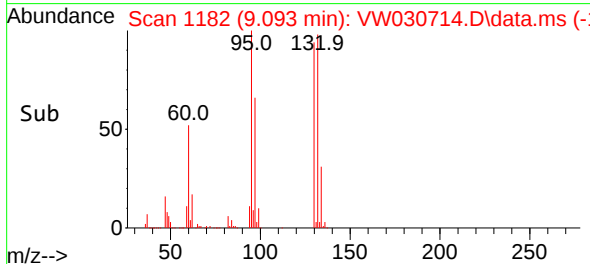
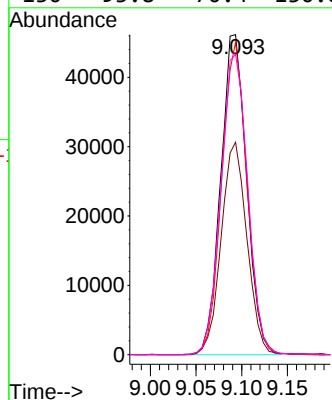
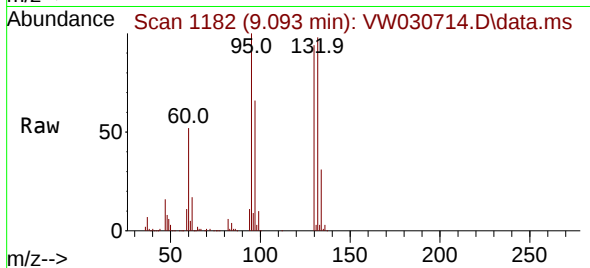
Ion Ratio Lower Upper

95 100

97 66.4 45.9 85.3

132 97.6 66.4 123.2

130 93.8 70.4 130.8



#35

Methylcyclohexane

Concen: 13.539 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

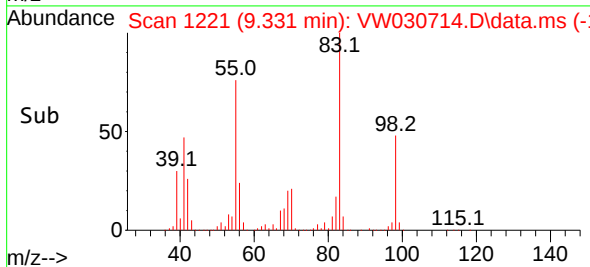
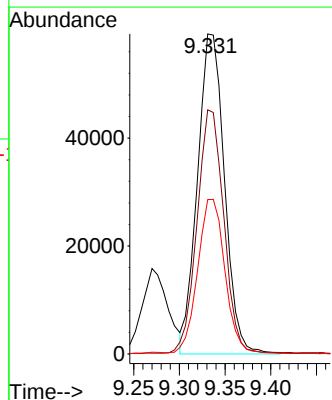
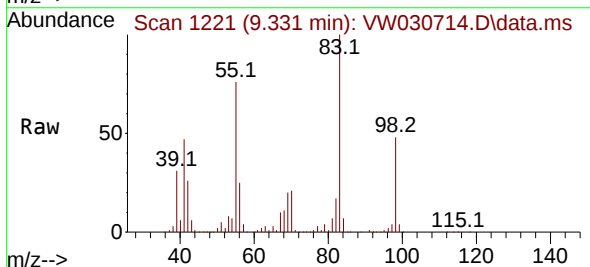
Tgt Ion: 83 Resp: 121921

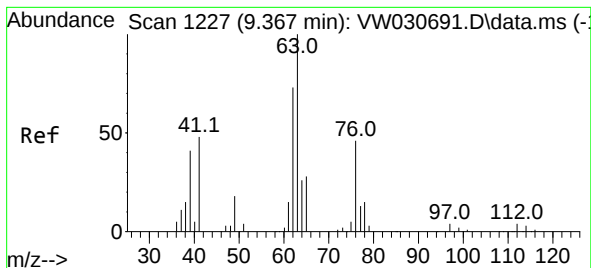
Ion Ratio Lower Upper

83 100

55 75.6 61.8 92.8

98 49.2 39.3 58.9





#37

1,2-Dichloropropane

Concen: 19.999 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

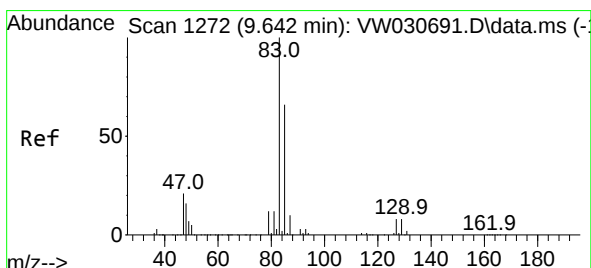
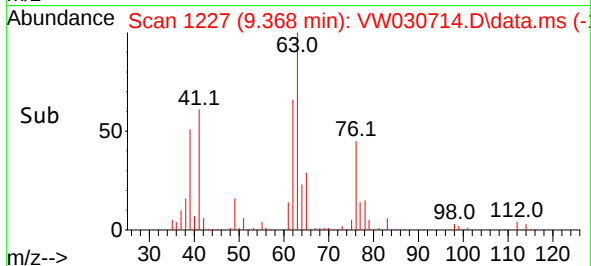
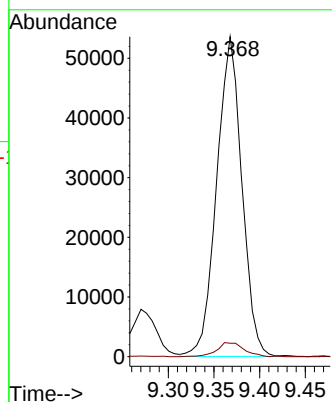
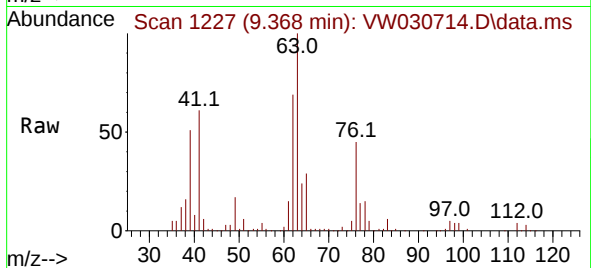
A4F44MSD

Tgt Ion: 63 Resp: 102731

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 19.043 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

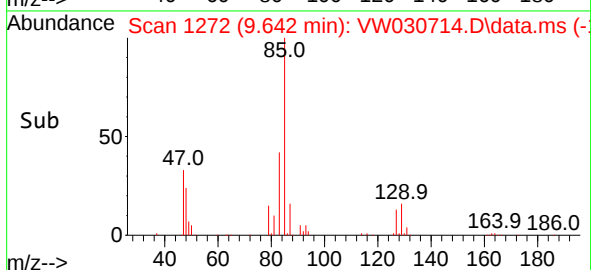
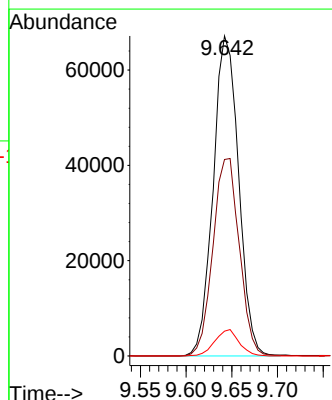
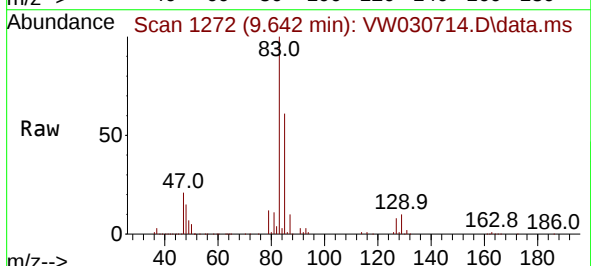
Tgt Ion: 83 Resp: 130142

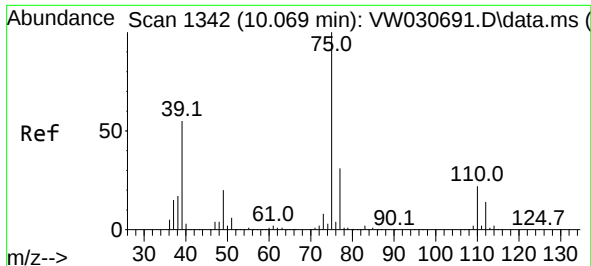
Ion Ratio Lower Upper

83 100

85 61.4 44.2 82.0

127 7.7 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 18.227 ug/L

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

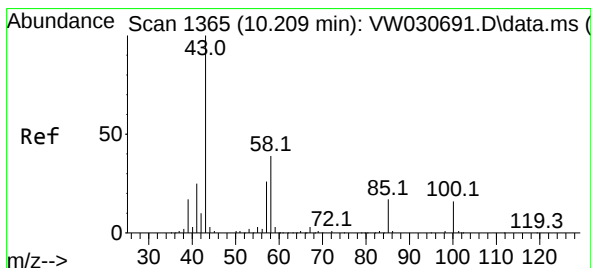
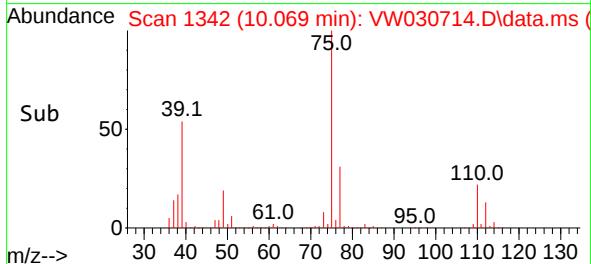
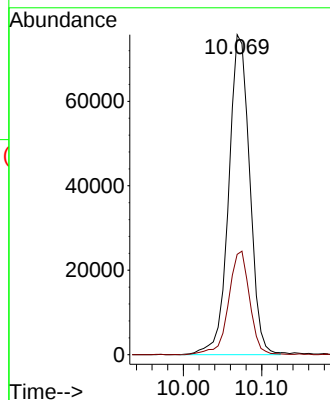
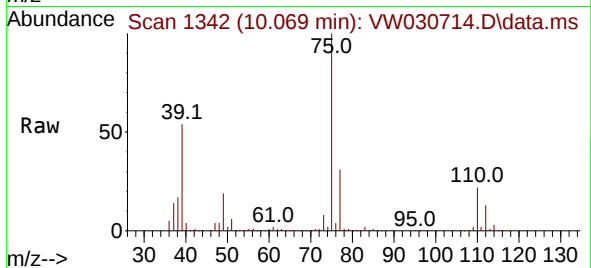
A4F44MSD

Tgt Ion: 75 Resp: 141220

Ion Ratio Lower Upper

75 100

77 31.3 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 38.442 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

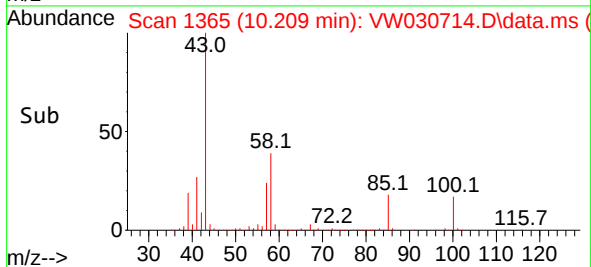
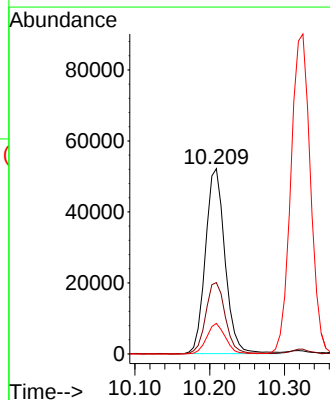
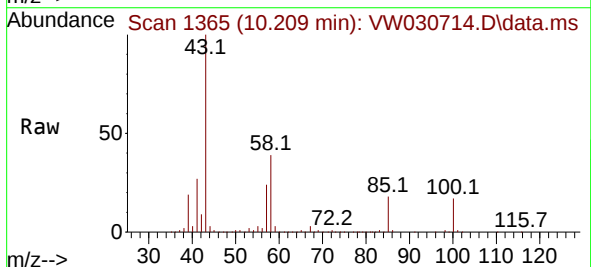
Tgt Ion: 43 Resp: 94865

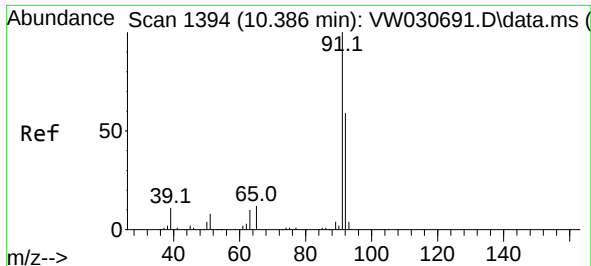
Ion Ratio Lower Upper

43 100

58 39.0 31.4 47.2

100 15.9 13.1 19.7

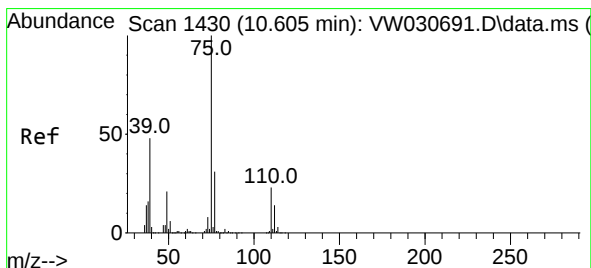
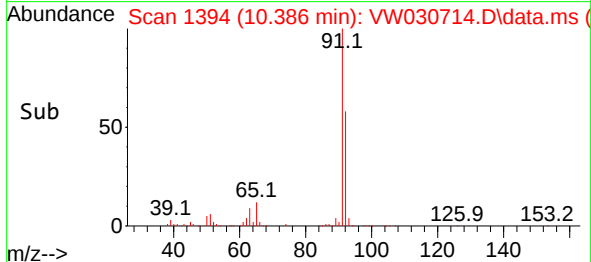
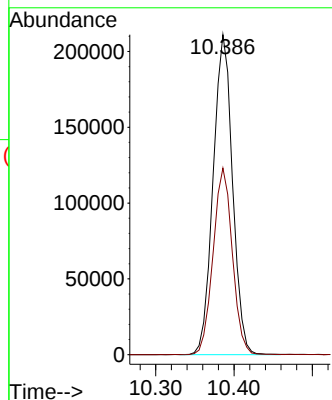
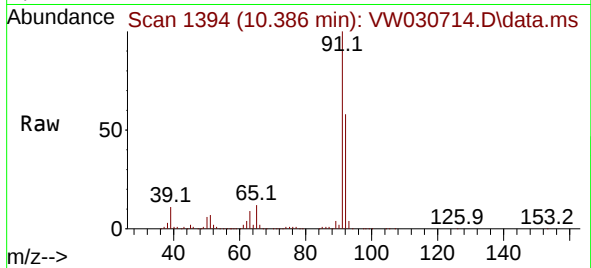




#42
Toluene
Concen: 16.544 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

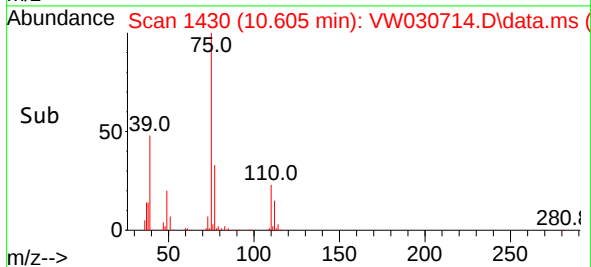
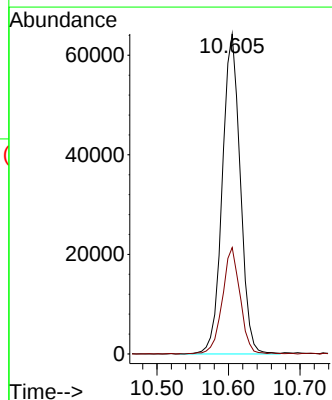
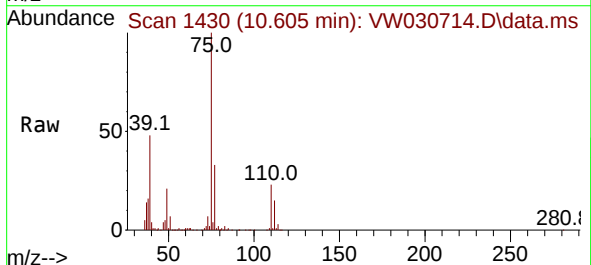
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

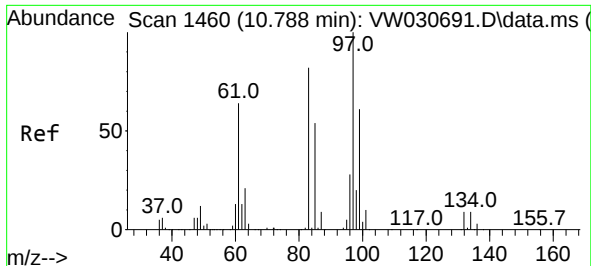
Tgt Ion: 91 Resp: 363018
Ion Ratio Lower Upper
91 100
92 58.3 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 17.222 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion: 75 Resp: 112129
Ion Ratio Lower Upper
75 100
77 33.2 21.6 40.2

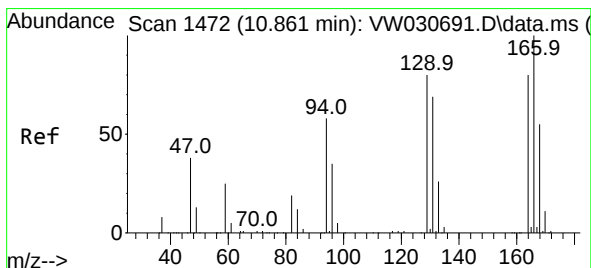
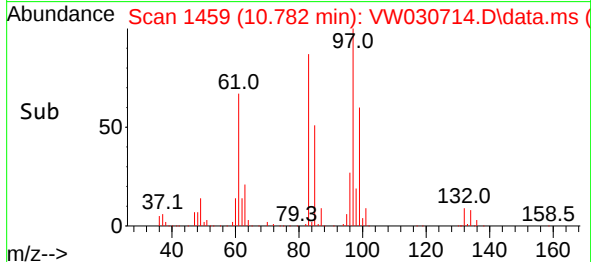
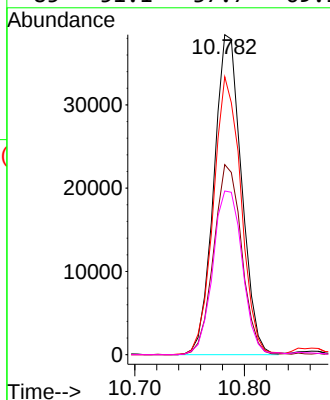
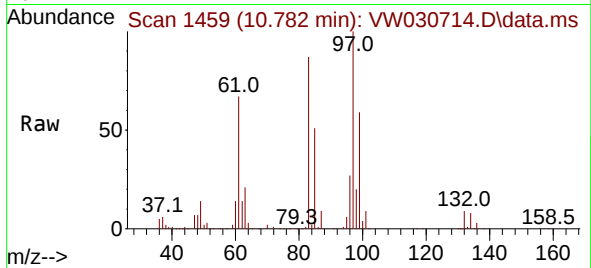




#45
1,1,2-Trichloroethane
Concen: 18.157 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

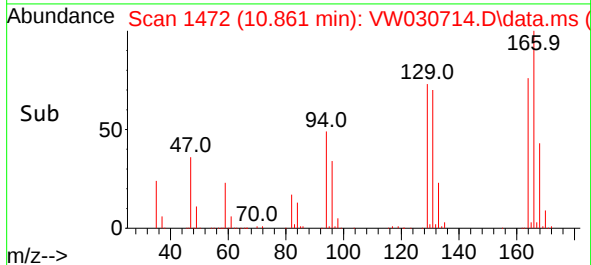
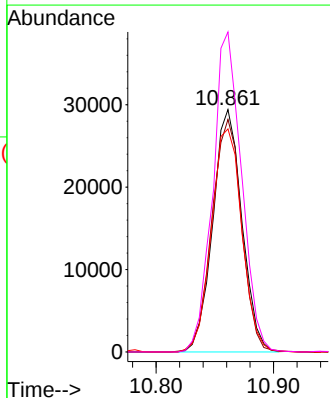
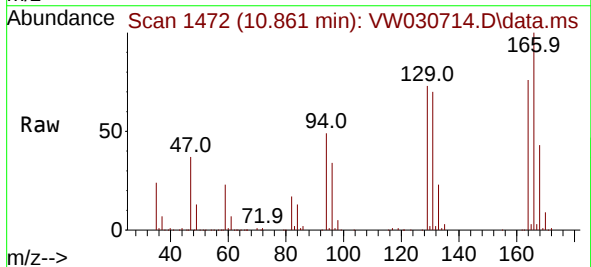
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

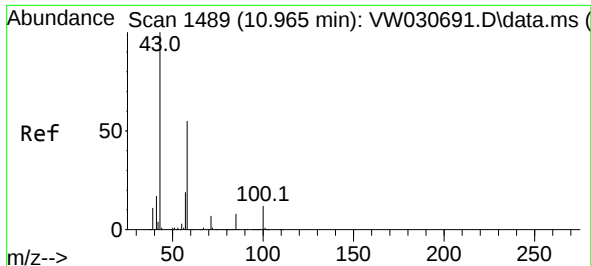
Tgt Ion: 97	Resp: 67405
Ion Ratio	Lower Upper
97 100	
99 59.4	41.2 76.6
83 86.9	59.6 110.6
85 51.1	37.7 69.9



#46
Tetrachloroethene
Concen: 11.992 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt	Ion:164	Resp:	50609
Ion	Ratio	Lower	Upper
164	100		
129	95.9	66.6	123.6
131	92.0	63.7	118.3
166	132.0	88.7	164.7

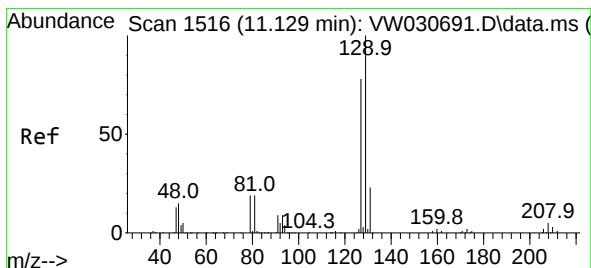
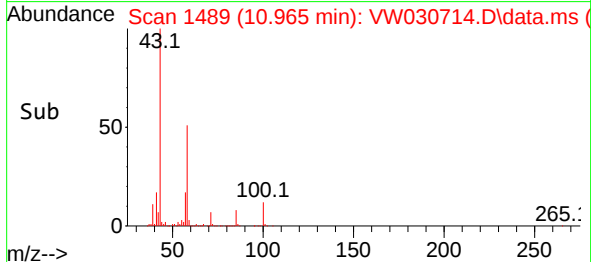
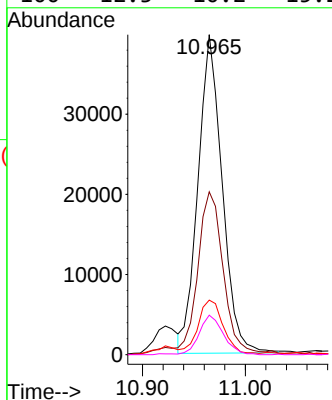
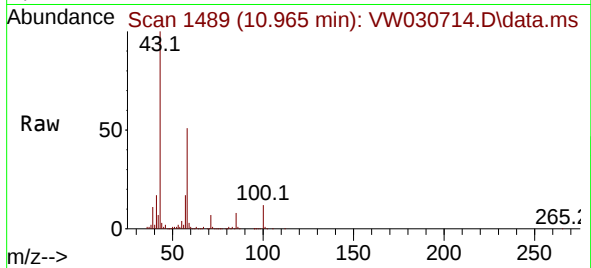




#48
2-Hexanone
Concen: 32.290 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

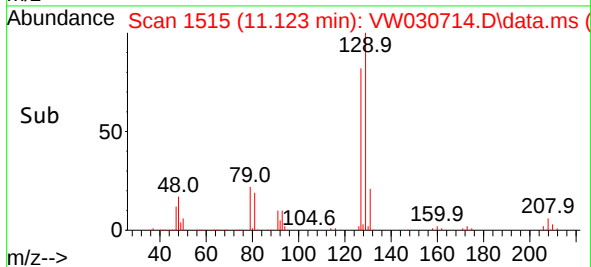
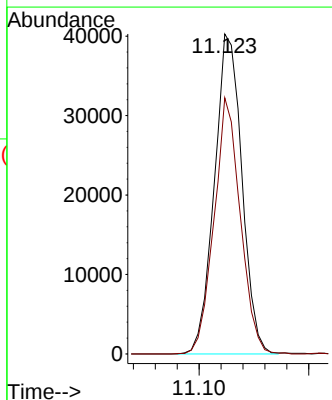
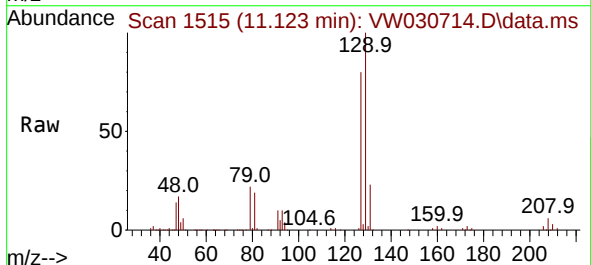
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

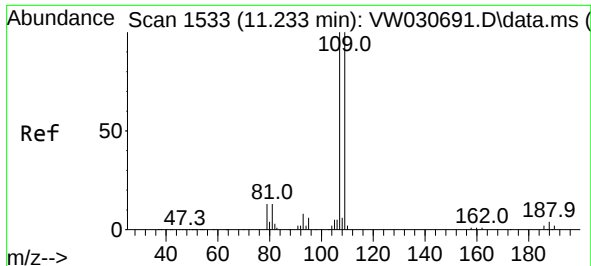
Tgt Ion:	43	Resp:	65163
Ion	Ratio	Lower	Upper
43	100		
58	53.9	44.6	67.0
57	18.2	15.8	23.8
100	12.3	10.2	15.2



#49
Dibromochloromethane
Concen: 16.949 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion:	129	Resp:	70209
Ion	Ratio	Lower	Upper
129	100		
127	80.1	56.5	104.9

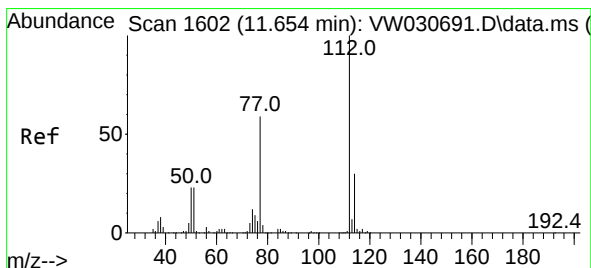
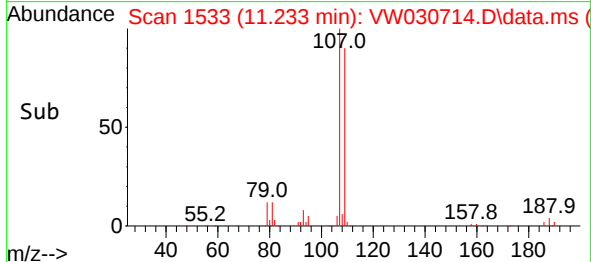
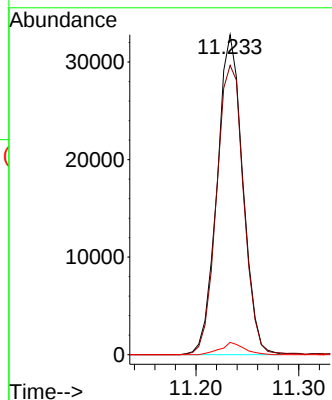
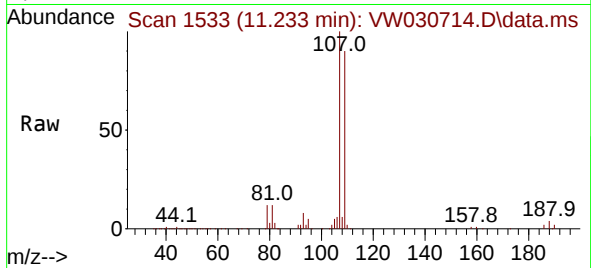




#50
1,2-Dibromoethane
Concen: 16.445 ug/L
RT: 11.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

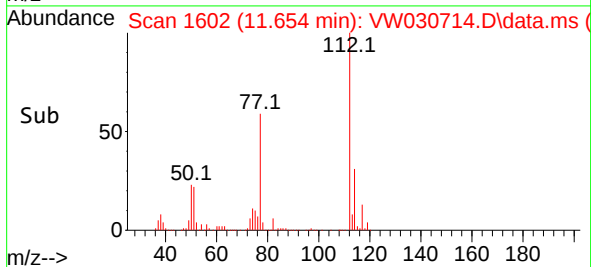
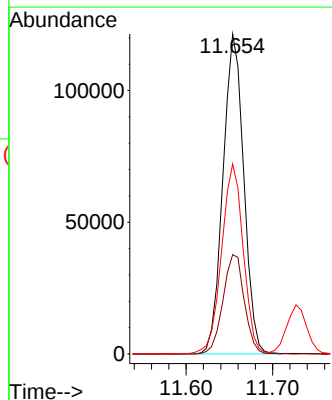
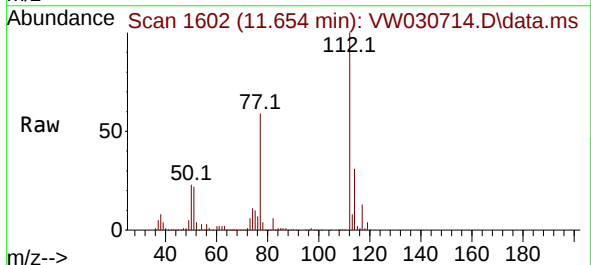
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

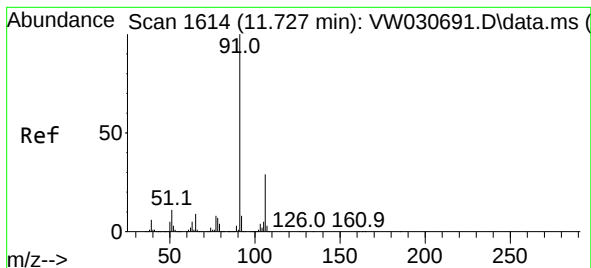
Tgt Ion:107 Resp: 56968
Ion Ratio Lower Upper
107 100
109 90.4 63.8 118.6
188 3.8 2.6 3.8#



#51
Chlorobenzene
Concen: 14.355 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion:112 Resp: 202759
Ion Ratio Lower Upper
112 100
114 31.1 22.4 41.6
77 59.4 47.1 70.7

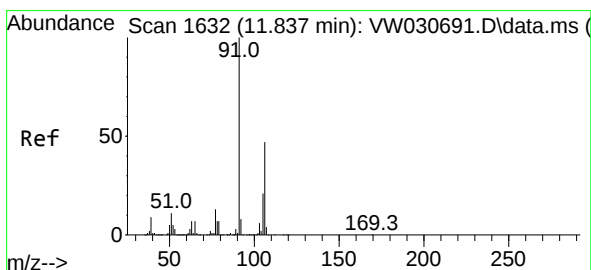
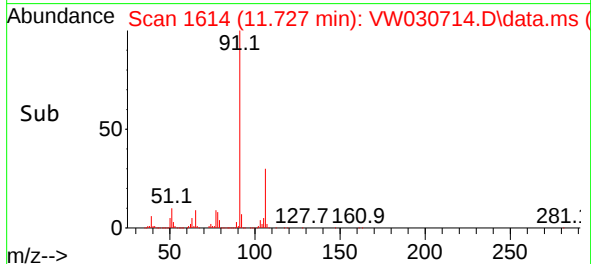
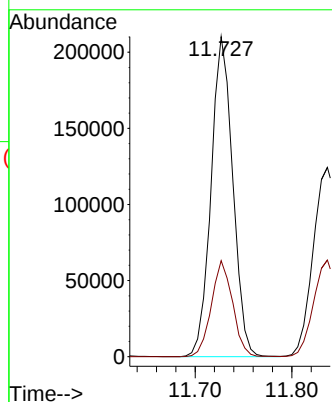
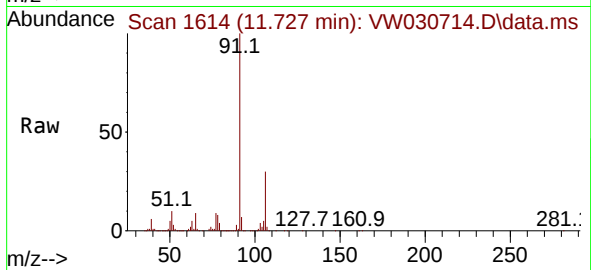




#52
Ethylbenzene
Concen: 13.110 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

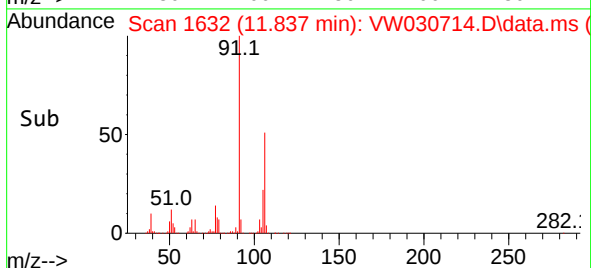
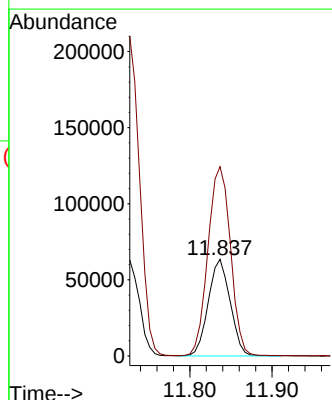
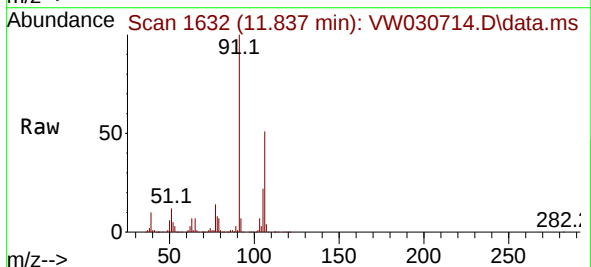
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

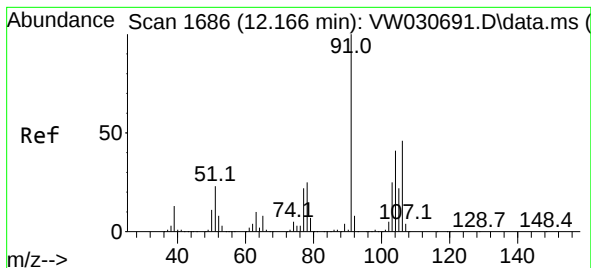
Tgt Ion: 91 Resp: 328244
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.1



#53
m,p-Xylene
Concen: 12.511 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion:106 Resp: 117355
Ion Ratio Lower Upper
106 100
91 196.0 140.6 261.2





#54

o-Xylene

Concen: 13.460 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

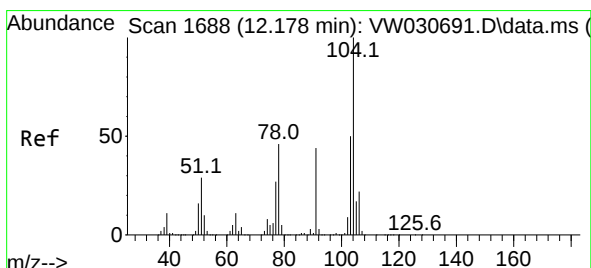
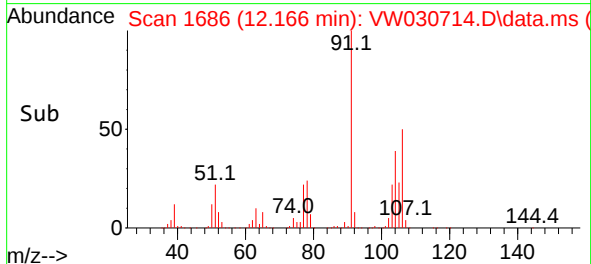
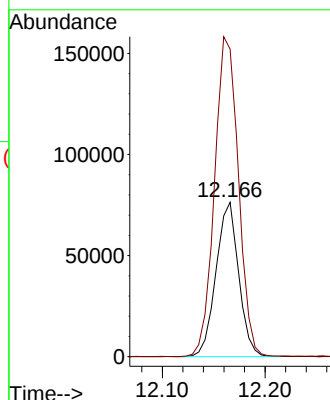
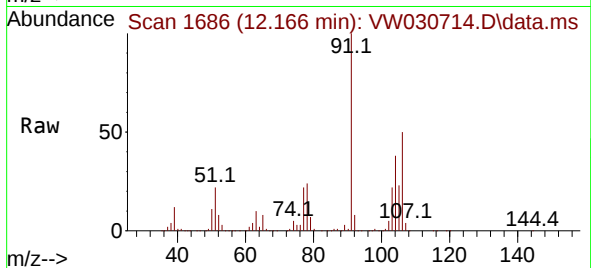
A4F44MSD

Tgt Ion:106 Resp: 116727

Ion Ratio Lower Upper

106 100

91 199.3 144.5 268.4



#55

Styrene

Concen: 11.721 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW030714.D

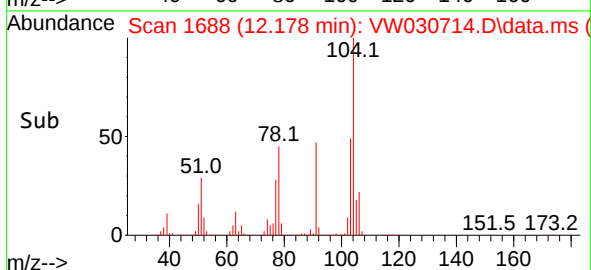
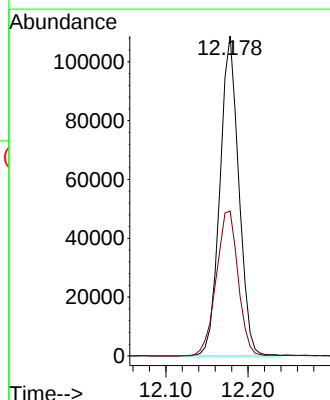
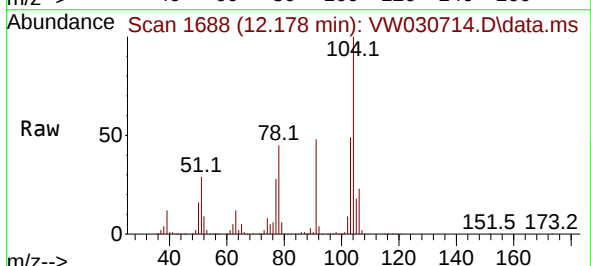
Acq: 22 Oct 2024 19:32

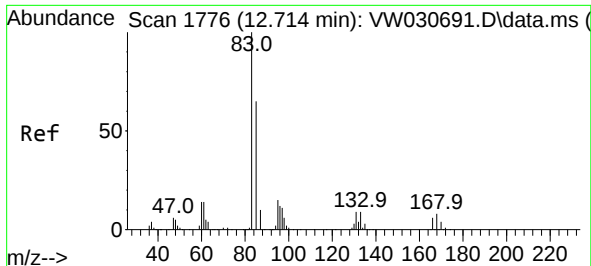
Tgt Ion:104 Resp: 173767

Ion Ratio Lower Upper

104 100

78 45.3 34.3 63.7





#57

1,1,2-Tetrachloroethane

Concen: 15.655 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

A4F44MSD

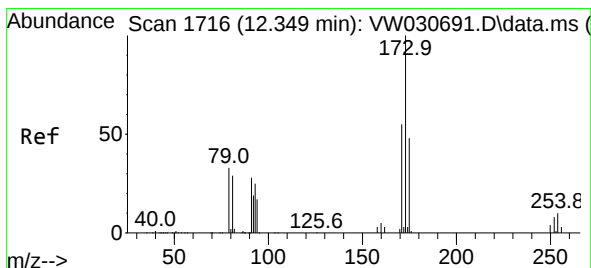
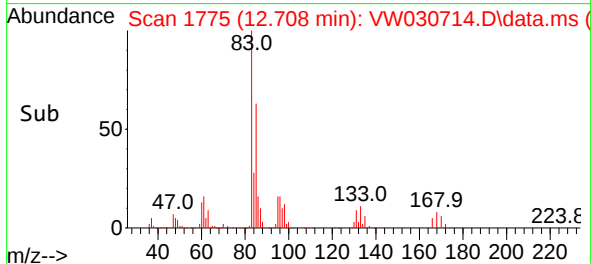
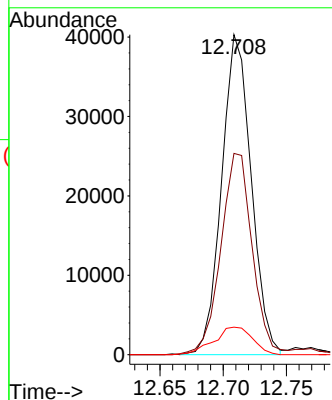
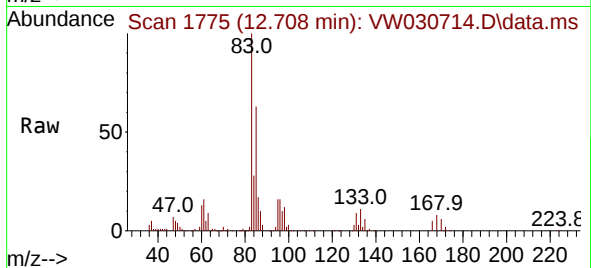
Tgt Ion: 83 Resp: 65541

Ion Ratio Lower Upper

83 100

85 62.9 42.6 79.2

131 8.6 7.4 11.0



#59

Bromoform

Concen: 24.010 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

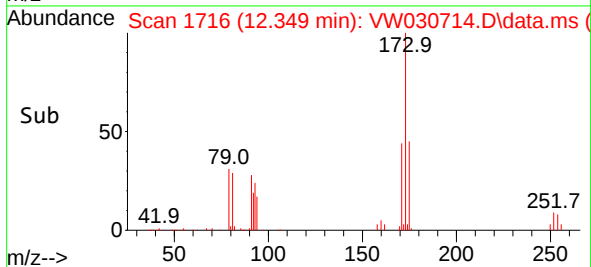
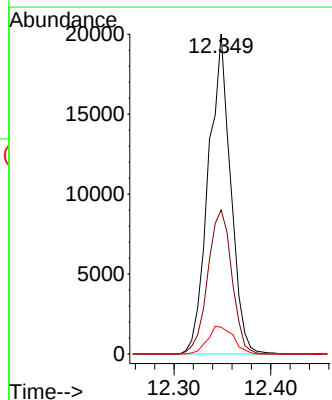
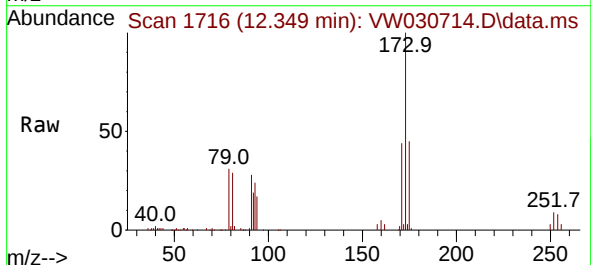
Tgt Ion: 173 Resp: 31961

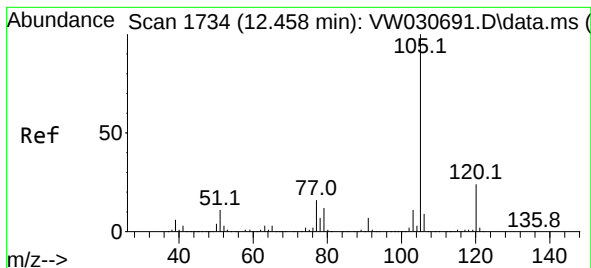
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

254 10.0 7.7 11.5





#60

Isopropylbenzene

Concen: 17.113 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

A4F44MSD

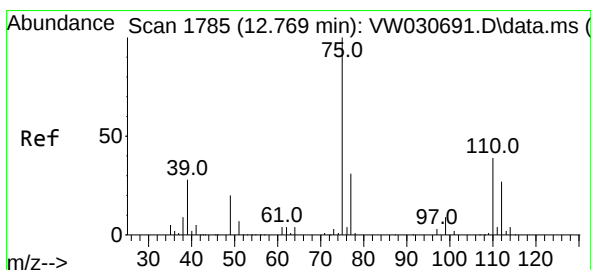
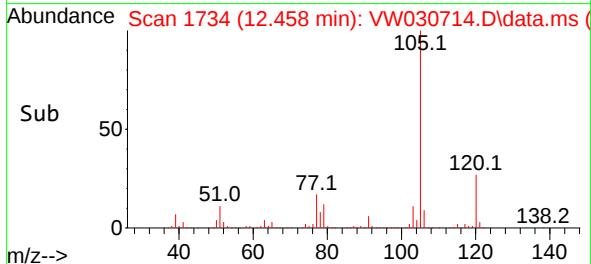
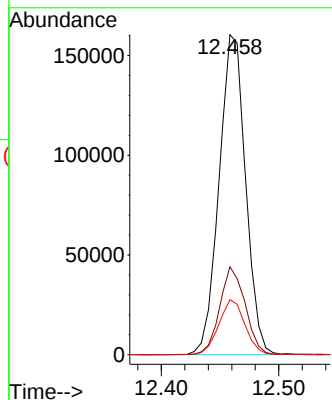
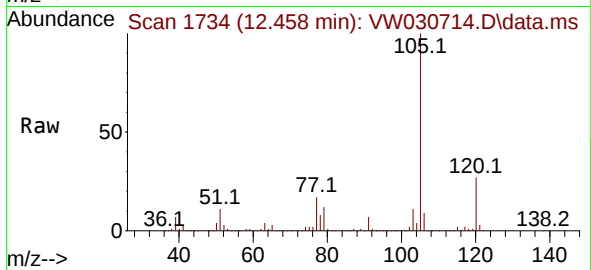
Tgt Ion:105 Resp: 251093

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

77 17.1 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 25.935 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

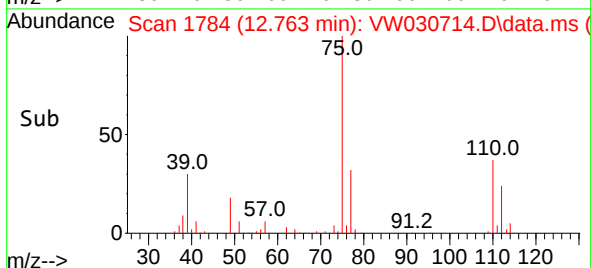
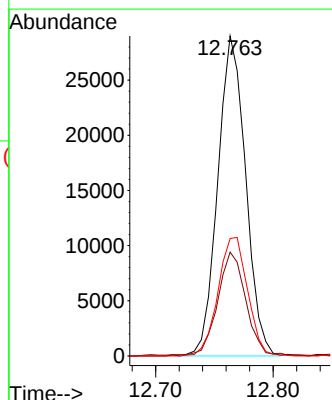
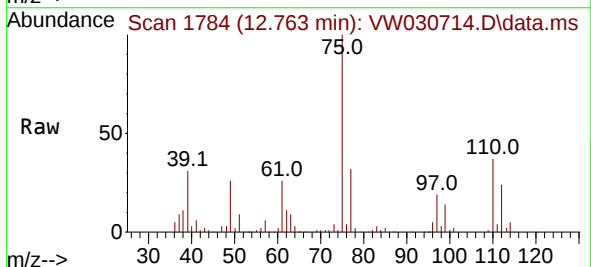
Tgt Ion: 75 Resp: 47814

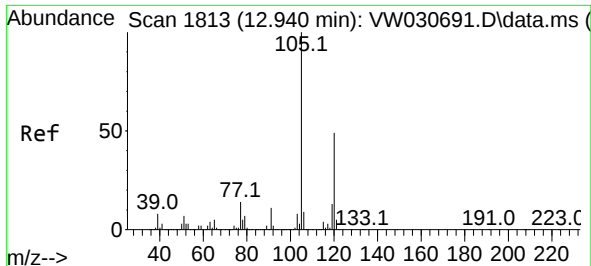
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

110 39.3 32.3 48.5

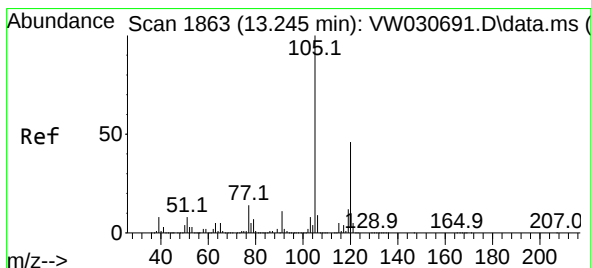
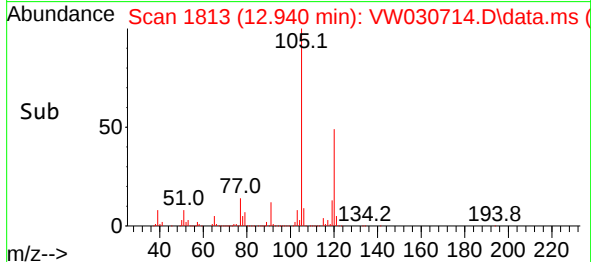
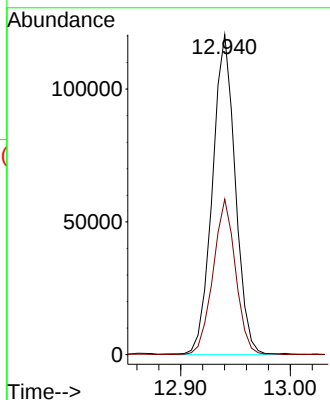
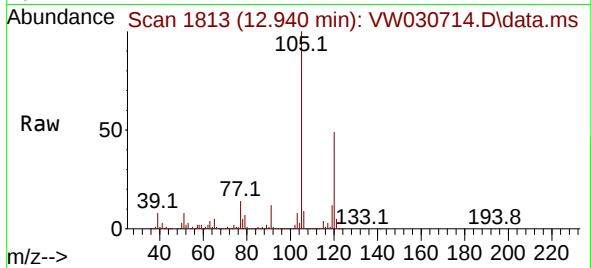




#62
1,3,5-Trimethylbenzene
Concen: 15.097 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

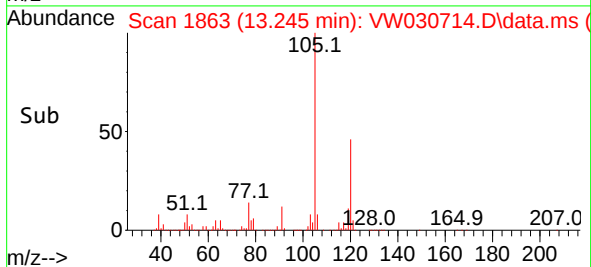
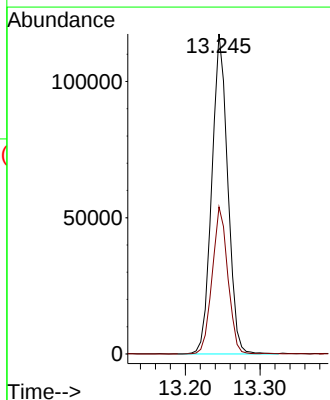
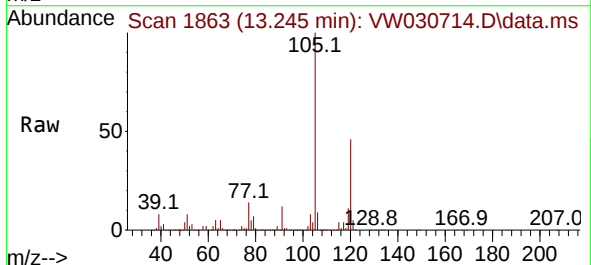
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

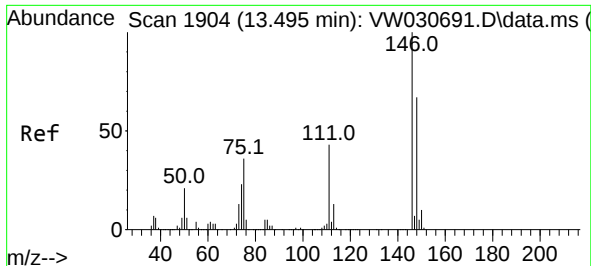
Tgt Ion:105 Resp: 174755
Ion Ratio Lower Upper
105 100
120 47.9 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 15.380 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion:105 Resp: 174312
Ion Ratio Lower Upper
105 100
120 44.9 35.8 53.6

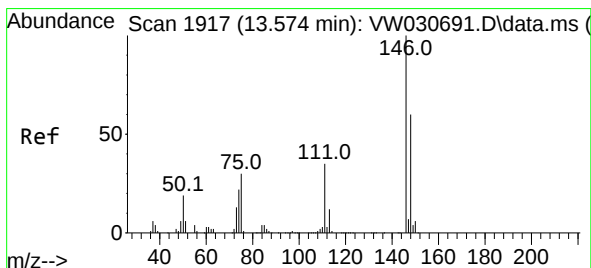
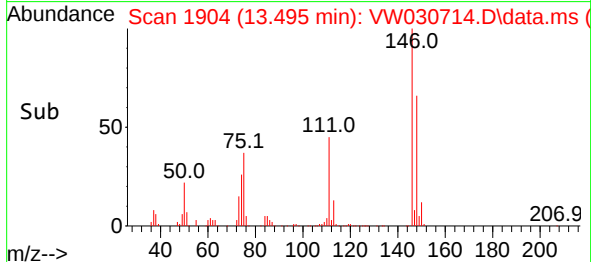
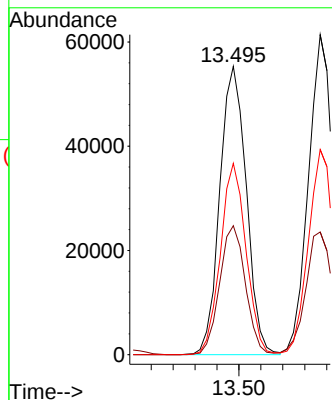
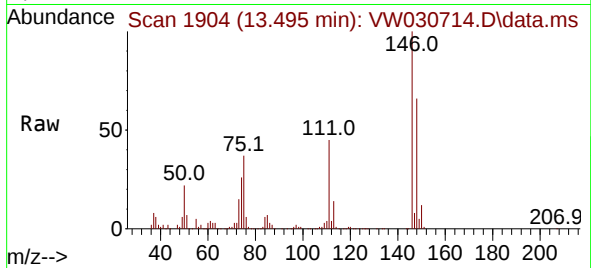




#64
1,3-Dichlorobenzene
Concen: 14.542 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

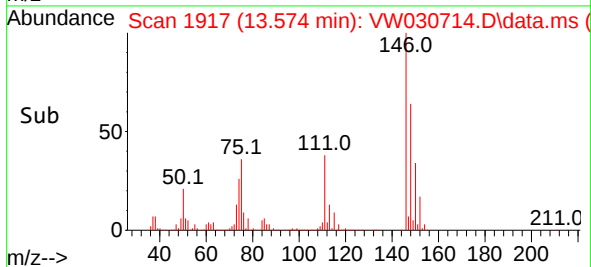
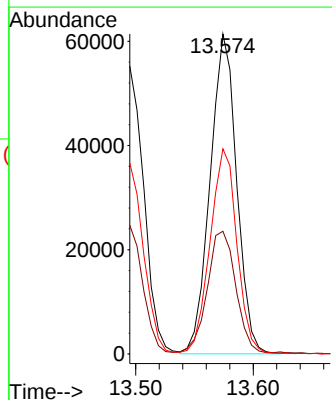
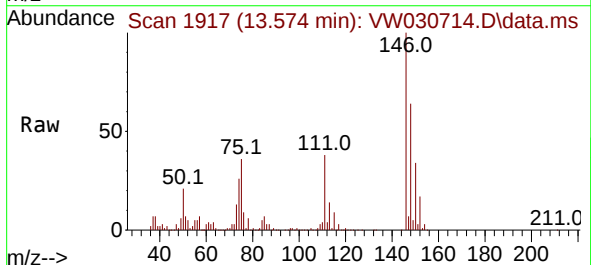
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

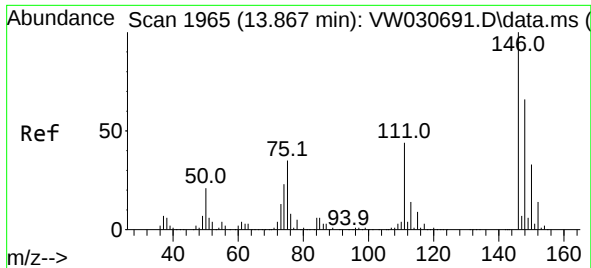
Tgt Ion:146 Resp: 92871
Ion Ratio Lower Upper
146 100
111 44.7 31.2 58.0
148 66.4 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 14.638 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion:146 Resp: 96530
Ion Ratio Lower Upper
146 100
111 38.3 26.8 49.8
148 64.1 41.0 76.2

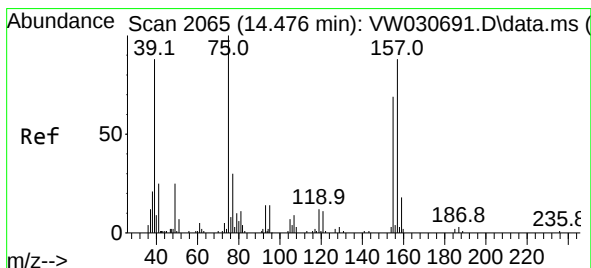
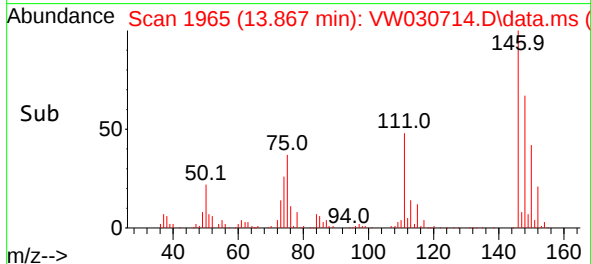
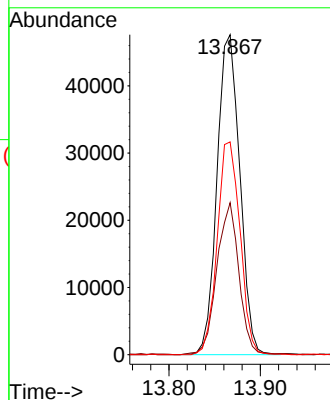
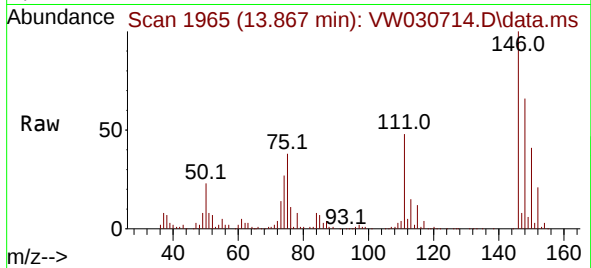




#67
1,2-Dichlorobenzene
Concen: 14.697 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

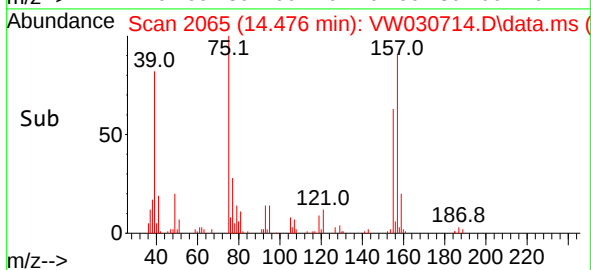
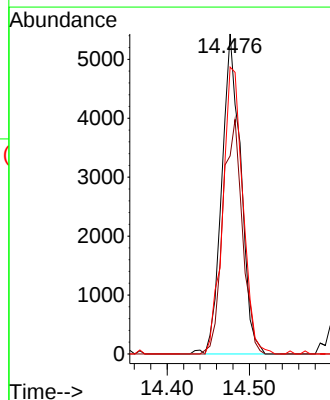
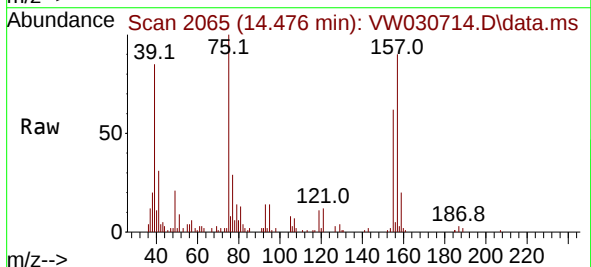
Instrument :
MSVOA_W
ClientSampleId :
A4F44MSD

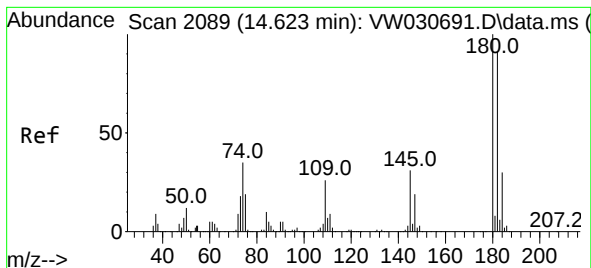
Tgt Ion:146 Resp: 82598
Ion Ratio Lower Upper
146 100
111 47.5 34.6 52.0
148 66.5 53.3 79.9



#68
1,2-Dibromo-3-chloropropane
Concen: 21.173 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW030714.D
Acq: 22 Oct 2024 19:32

Tgt Ion: 75 Resp: 8704
Ion Ratio Lower Upper
75 100
155 61.9 57.9 86.9
157 89.6 69.0 103.6





#69

1,3,5-Trichlorobenzene

Concen: 9.171 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

A4F44MSD

Tgt Ion:180 Resp: 38622

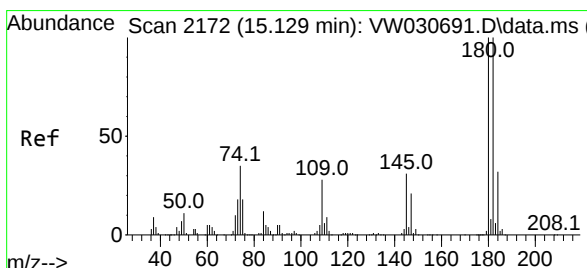
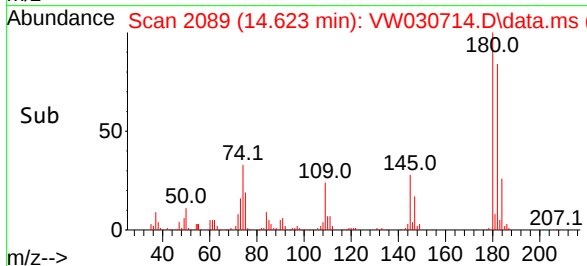
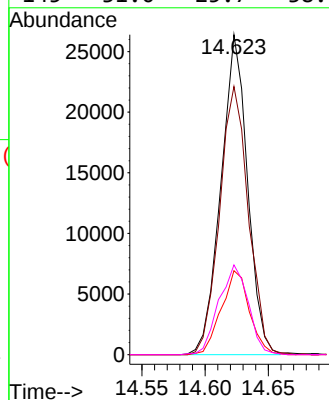
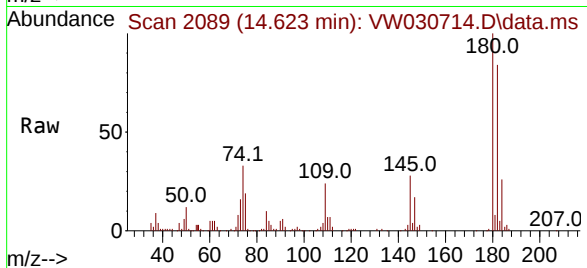
Ion Ratio Lower Upper

180 100

182 90.5 79.9 119.9

184 27.7 25.2 37.8

145 31.0 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 8.112 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

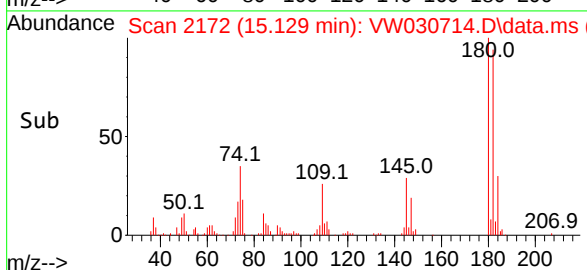
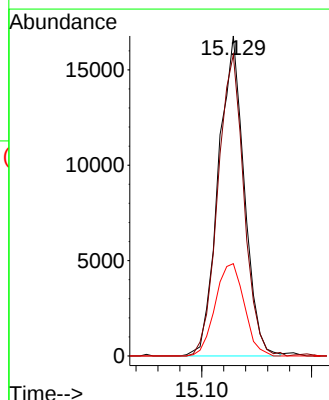
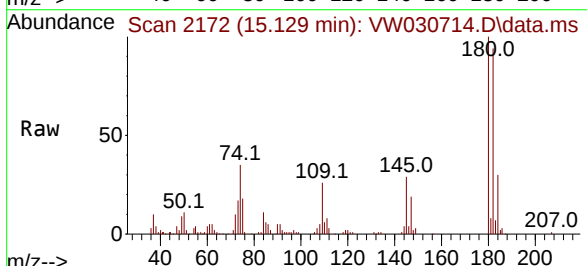
Tgt Ion:180 Resp: 27502

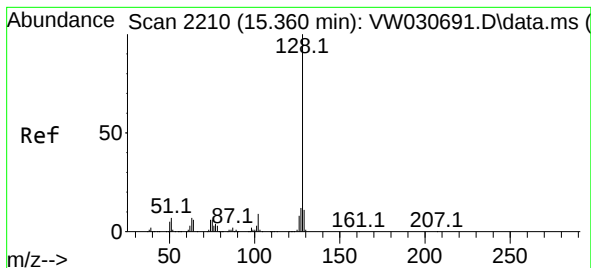
Ion Ratio Lower Upper

180 100

182 94.9 75.2 112.8

145 32.3 25.4 38.2





#71

Naphthalene

Concen: 11.063 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Instrument :

MSVOA_W

ClientSampleId :

A4F44MSD

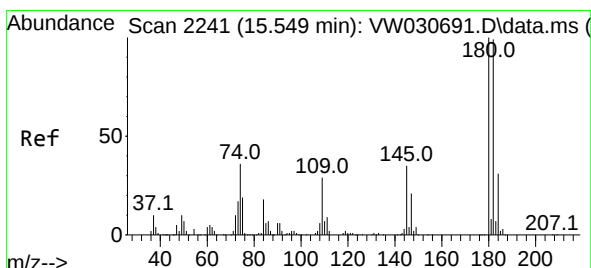
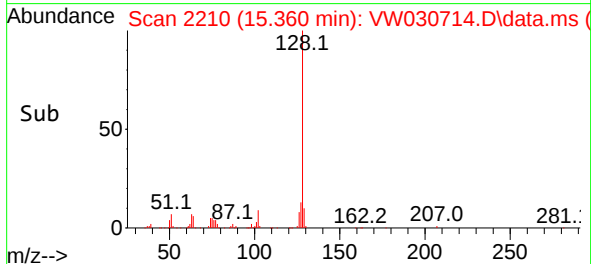
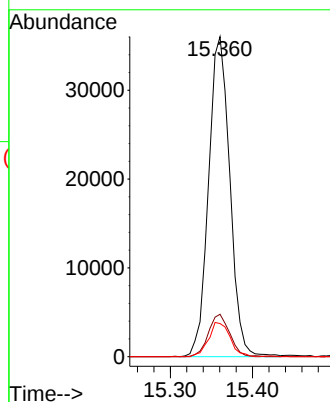
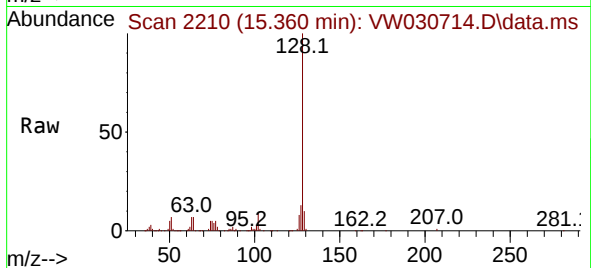
Tgt Ion:128 Resp: 64803

Ion Ratio Lower Upper

128 100

127 13.2 10.9 16.3

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 7.725 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW030714.D

Acq: 22 Oct 2024 19:32

Tgt Ion:180 Resp: 22706

Ion Ratio Lower Upper

180 100

182 103.6 76.2 114.4

145 36.2 27.4 41.2

