

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032124\
 Data File : VW028221.D
 Acq On : 21 Mar 2024 09:10
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 22 01:27:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 21 01:12:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	211140	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	194628	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	100042	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	51504	20.848	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.400%
7) Chloroethane-d5	2.905	69	39546	22.912	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.640%
11) 1,1-Dichloroethene-d2	4.021	65	35785	22.842	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.360%
21) 2-Butanone-d5	7.087	46	29595	40.617	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.240%
24) Chloroform-d	7.654	84	158123	25.397	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	8.307	65	82130	23.937	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.760%
32) Benzene-d6	8.276	84	300741	25.309	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.240%
36) 1,2-Dichloropropane-d6	9.276	67	85361	24.962	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.840%
41) Toluene-d8	10.318	98	274369	25.033	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.120%
43) trans-1,3-Dichloroprop...	10.581	79	35948	23.145	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.600%
47) 2-Hexanone-d5	10.922	63	23935	42.345	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.680%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	57682	22.835	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.360%
66) 1,2-Dichlorobenzene-d4	13.848	152	91032	24.979	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	60593	19.783	ug/L	95
3) Chloromethane	2.222	50	44476	20.473	ug/L	99
5) Vinyl chloride	2.375	62	55281	22.512	ug/L	98
6) Bromomethane	2.795	94	33704	23.047	ug/L	92
8) Chloroethane	2.936	64	30557	23.152	ug/L	100
9) Trichlorofluoromethane	3.277	101	79744	26.860	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	68415	23.196	ug/L	97
12) 1,1-Dichloroethene	4.051	96	66225	24.289	ug/L	86
13) Acetone	4.143	43	29978	37.055	ug/L	100
14) Carbon disulfide	4.393	76	197150	23.184	ug/L	100
15) Methyl Acetate	4.679	43	23124	18.556	ug/L	100
16) Methylene chloride	4.923	84	66907	20.820	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	68561	23.662	ug/L	95
18) Methyl tert-butyl Ether	5.435	73	98829	22.607	ug/L	100
19) 1,1-Dichloroethane	6.222	63	133895	23.869	ug/L	99
20) cis-1,2-Dichloroethene	7.179	96	74532	23.817	ug/L	99
22) 2-Butanone	7.179	43	34480	37.538	ug/L	98
23) Bromochloromethane	7.520	128	31564	22.815	ug/L	93
25) Chloroform	7.679	83	136958	23.716	ug/L	98

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 Response via : Initial Calibration

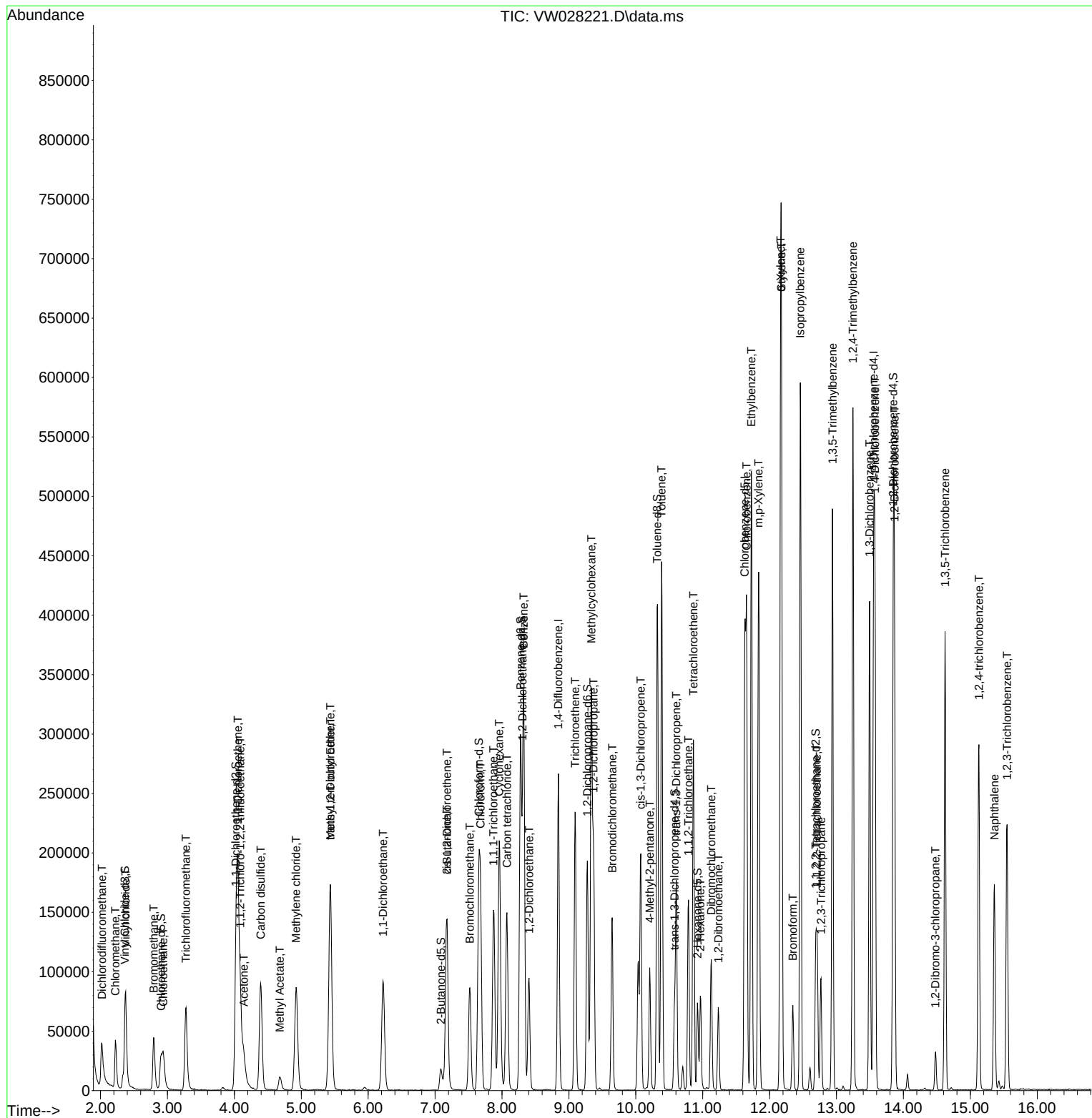
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	90748	22.252	ug/L	97
29) Cyclohexane	7.959	56	120834	23.803	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	124799	24.462	ug/L	98
31) Carbon tetrachloride	8.075	117	117531	24.560	ug/L	96
33) Benzene	8.325	78	286092	23.888	ug/L	100
34) Trichloroethene	9.093	95	81537	24.402	ug/L	97
35) Methylcyclohexane	9.337	83	133148	23.575	ug/L	99
37) 1,2-Dichloropropane	9.367	63	71490	23.337	ug/L	100
38) Bromodichloromethane	9.648	83	97338	23.568	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	114275	23.293	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	64126	37.924	ug/L	97
42) Toluene	10.386	91	316581	24.220	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	93305	22.527	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	49128	22.197	ug/L	99
46) Tetrachloroethene	10.861	164	64217	23.842	ug/L	97
48) 2-Hexanone	10.965	43	49903	37.675	ug/L	98
49) Dibromochloromethane	11.129	129	58048	22.145	ug/L	97
50) 1,2-Dibromoethane	11.233	107	45142	21.330	ug/L	97
51) Chlorobenzene	11.654	112	197342	23.786	ug/L	97
52) Ethylbenzene	11.727	91	363836	23.845	ug/L	98
53) m,p-Xylene	11.836	106	136826	23.829	ug/L	90
54) o-Xylene	12.166	106	131849	24.762	ug/L	97
55) Styrene	12.178	104	221287	24.194	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	53215	21.020	ug/L	93
59) Bromoform	12.349	173	33001	22.014	ug/L	99
60) Isopropylbenzene	12.458	105	379767	25.550	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	38996	20.424	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	252536	25.321	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	299952	24.908	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	162114	24.447	ug/L	100
65) 1,4-Dichlorobenzene	13.574	146	160733	24.240	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	138061	24.177	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	8424	18.782	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	117455	25.428	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	91674	23.362	ug/L	98
71) Naphthalene	15.360	128	147250	21.863	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	76369	23.608	ug/L	99

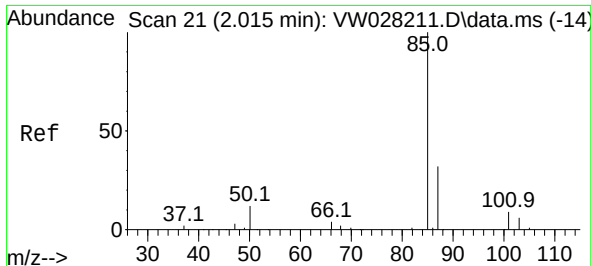
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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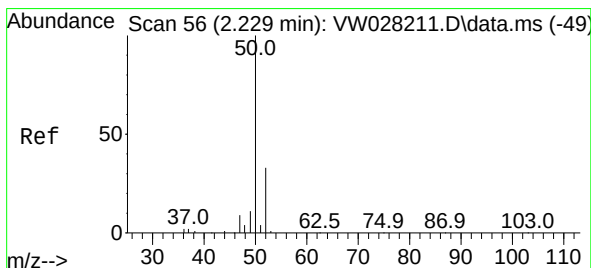
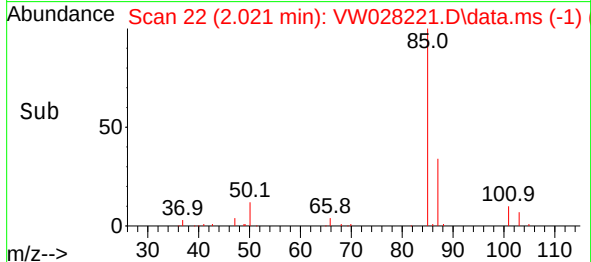
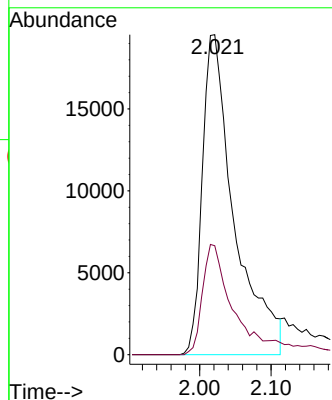
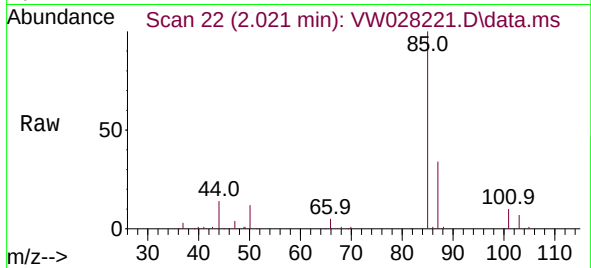




#2
Dichlorodifluoromethane
Concen: 19.783 ug/L
RT: 2.021 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

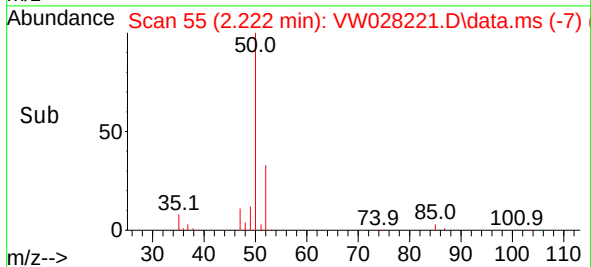
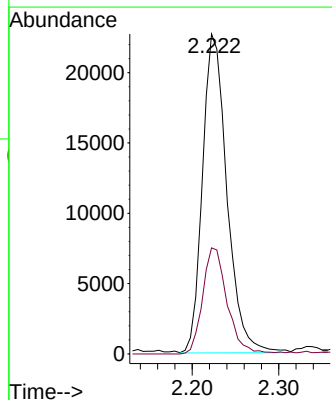
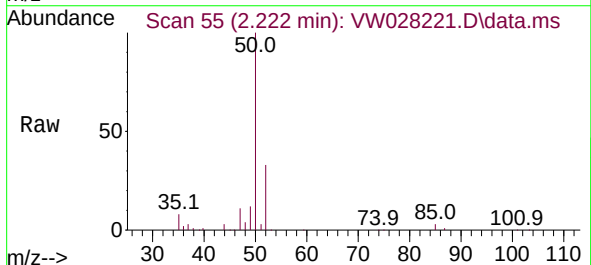
Instrument :
MSVOA_W
ClientSampleId :

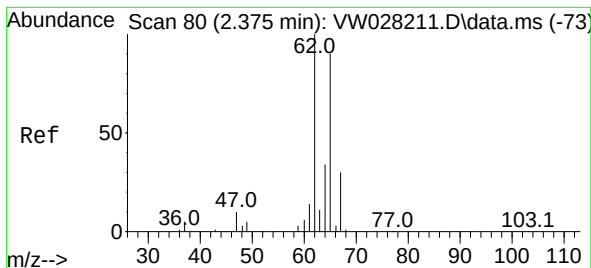
Tgt Ion: 85 Resp: 60593
Ion Ratio Lower Upper
85 100
87 28.8 20.9 31.3



#3
Chloromethane
Concen: 20.473 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion: 50 Resp: 44476
Ion Ratio Lower Upper
50 100
52 33.1 22.7 42.1





#5

Vinyl chloride

Concen: 22.512 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

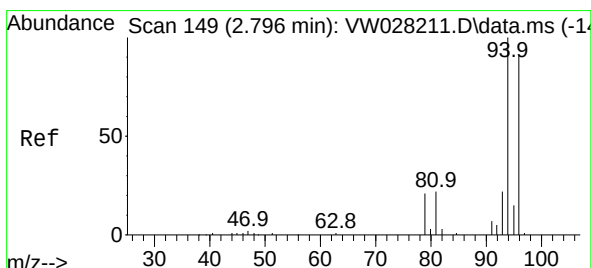
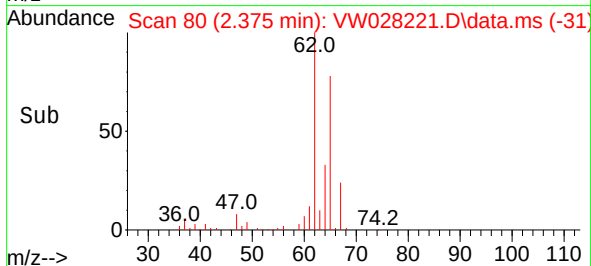
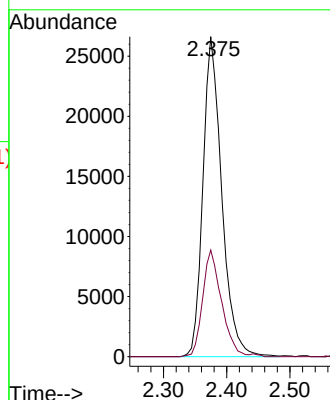
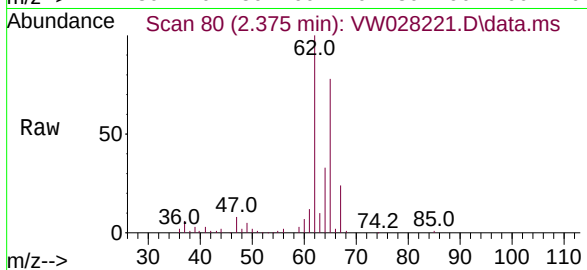
ClientSampleId :

Tgt Ion: 62 Resp: 55281

Ion Ratio Lower Upper

62 100

64 33.3 22.5 41.7



#6

Bromomethane

Concen: 23.047 ug/L

RT: 2.795 min Scan# 149

Delta R.T. -0.000 min

Lab File: VW028221.D

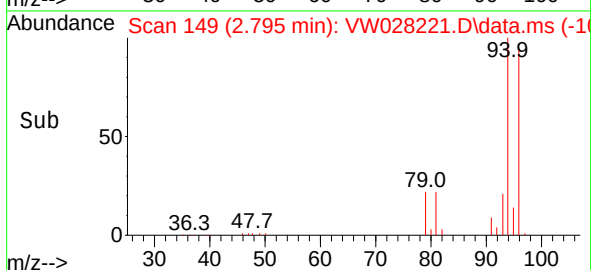
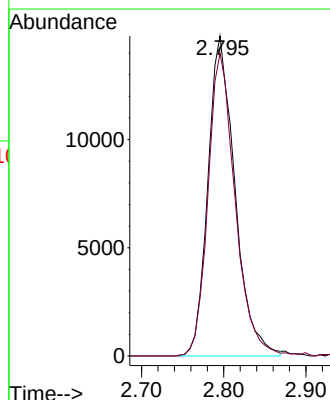
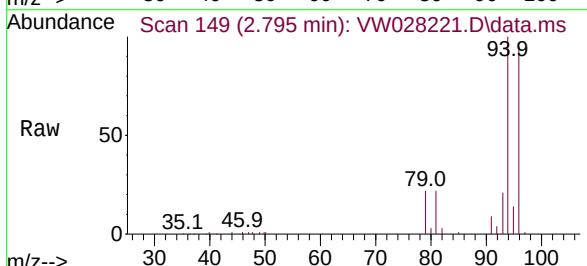
Acq: 21 Mar 2024 09:10

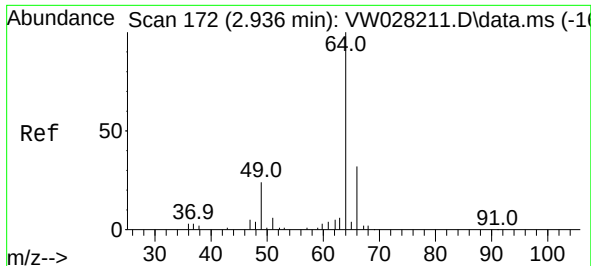
Tgt Ion: 94 Resp: 33704

Ion Ratio Lower Upper

94 100

96 94.6 60.8 113.0

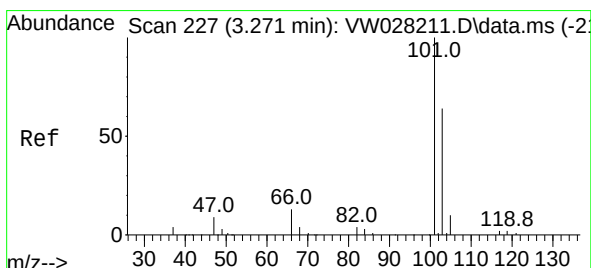
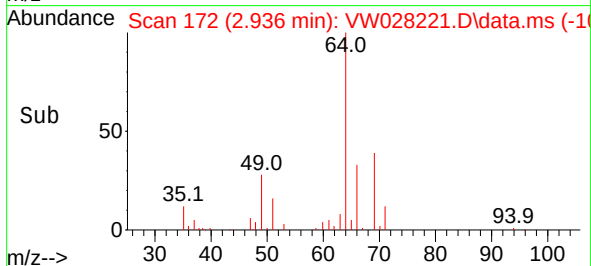
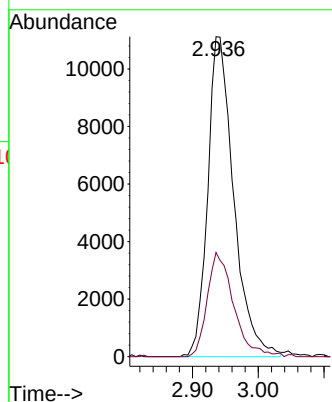
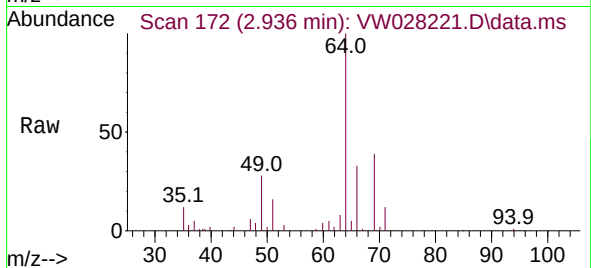




#8
Chloroethane
Concen: 23.152 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

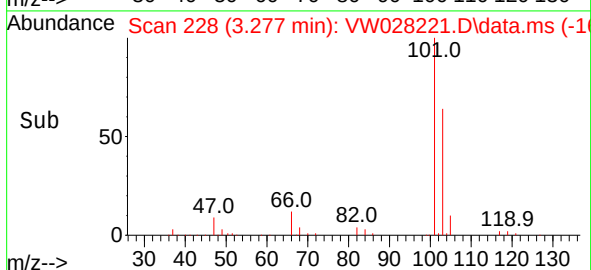
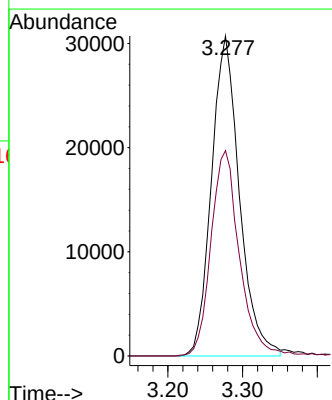
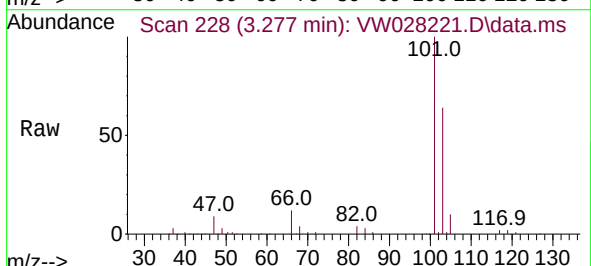
Instrument :
MSVOA_W
ClientSampleId :

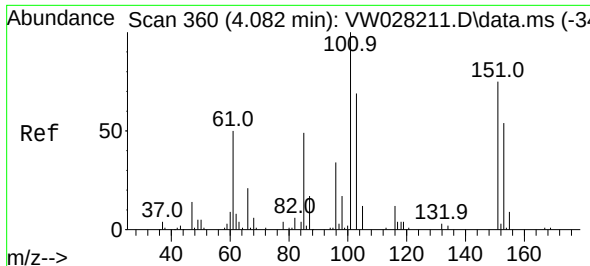
Tgt Ion: 64 Resp: 30557
Ion Ratio Lower Upper
64 100
66 32.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 26.860 ug/L
RT: 3.277 min Scan# 228
Delta R.T. 0.006 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion:101 Resp: 79744
Ion Ratio Lower Upper
101 100
103 65.2 50.9 76.3





#10

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

Concen: 23.196 ug/L

RT: 4.088 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

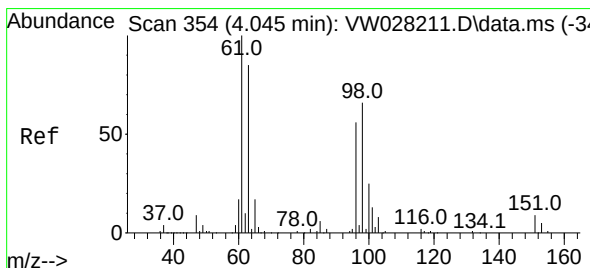
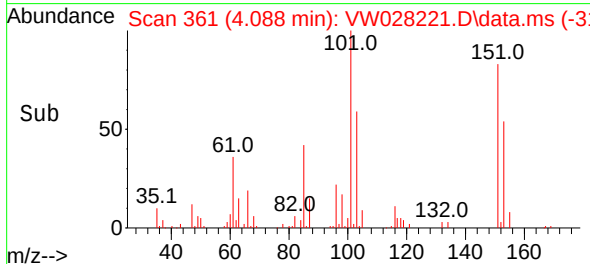
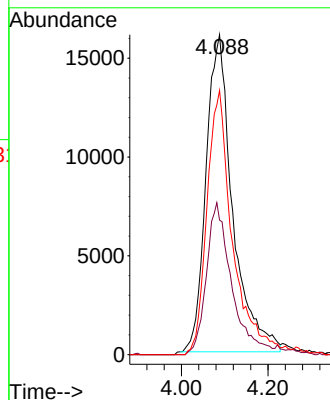
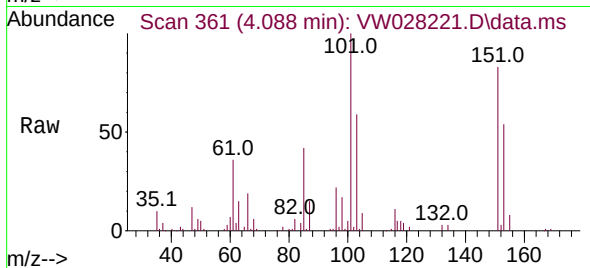
Tgt Ion:101 Resp: 68415

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

151 77.5 58.4 87.6



#12

1,1-Dichloroethene

Concen: 24.289 ug/L

RT: 4.051 min Scan# 355

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

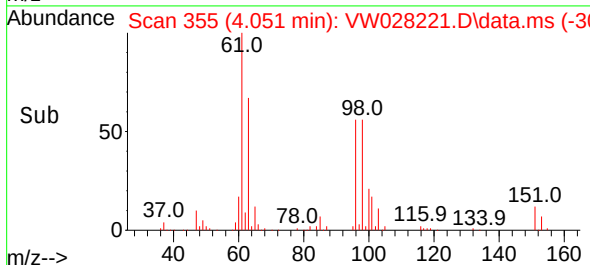
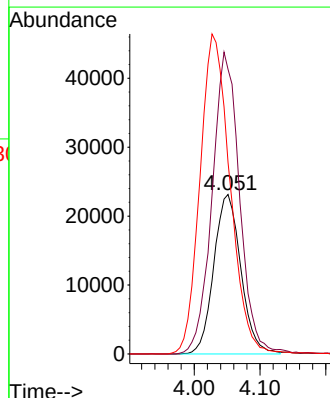
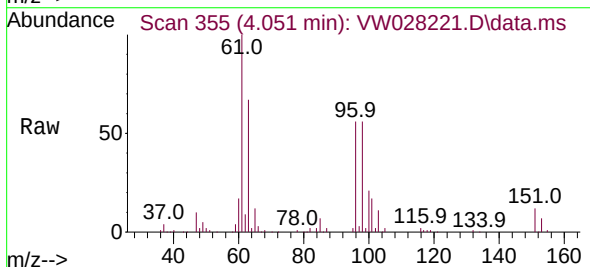
Tgt Ion: 96 Resp: 66225

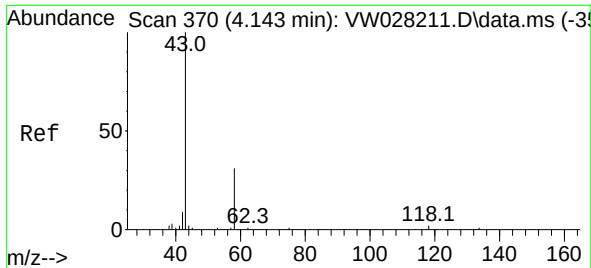
Ion Ratio Lower Upper

96 100

61 178.6 132.2 245.4

63 120.1 104.6 194.2





#13

Acetone

Concen: 37.055 ug/L

RT: 4.143 min Scan# 370

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

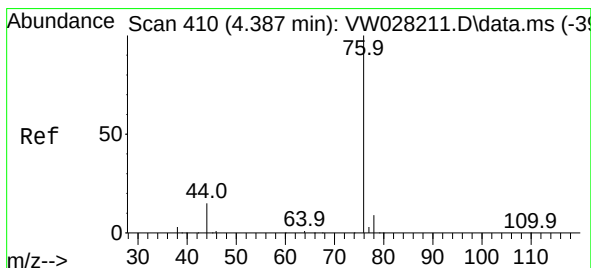
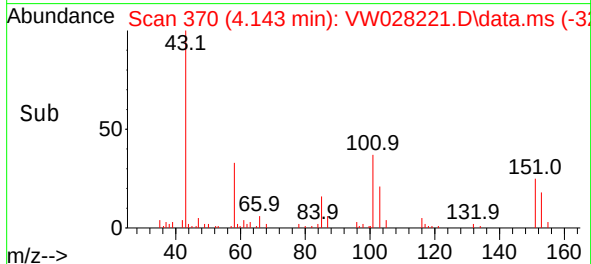
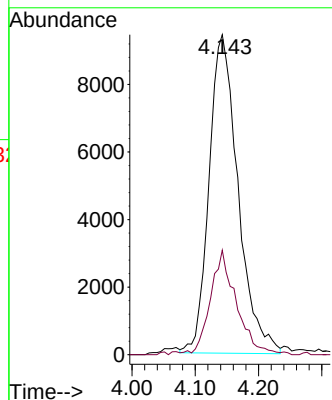
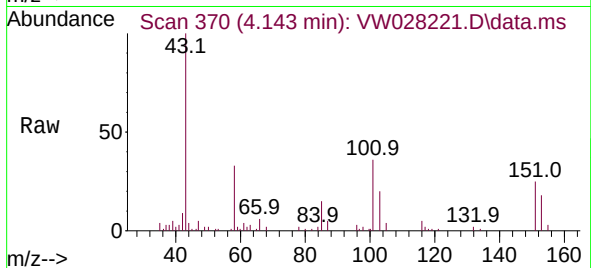
ClientSampleId :

Tgt Ion: 43 Resp: 29978

Ion Ratio Lower Upper

43 100

58 29.1 0.0 57.8



#14

Carbon disulfide

Concen: 23.184 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.006 min

Lab File: VW028221.D

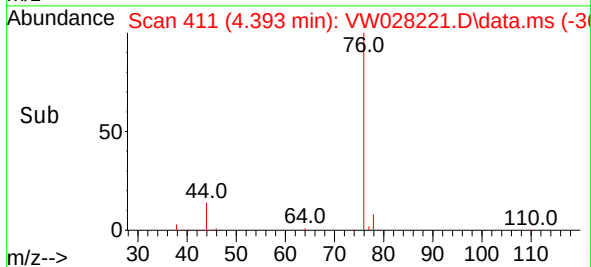
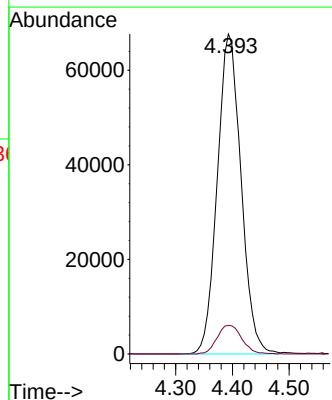
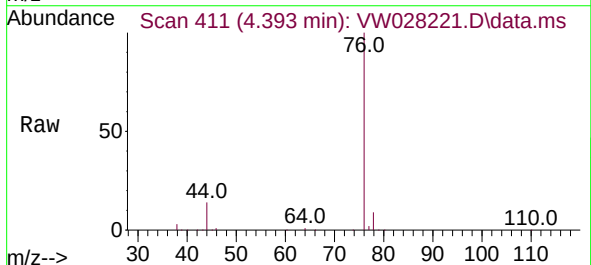
Acq: 21 Mar 2024 09:10

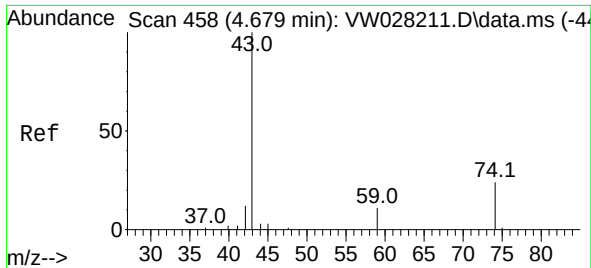
Tgt Ion: 76 Resp: 197150

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

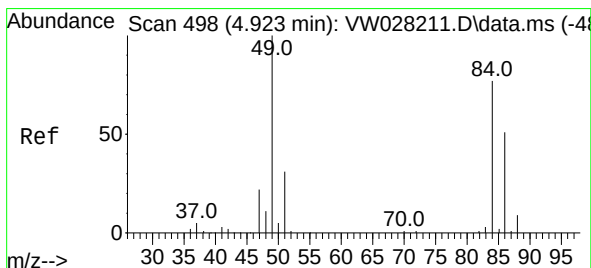
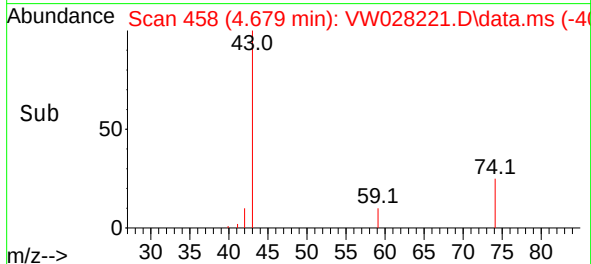
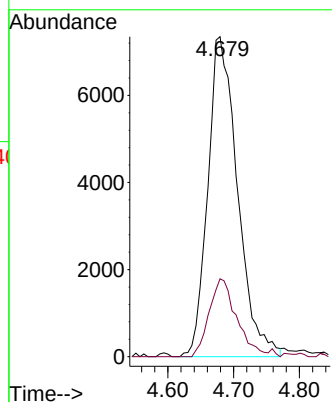
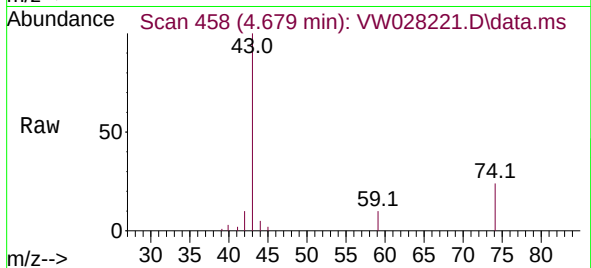




#15
Methyl Acetate
Concen: 18.556 ug/L
RT: 4.679 min Scan# 458
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

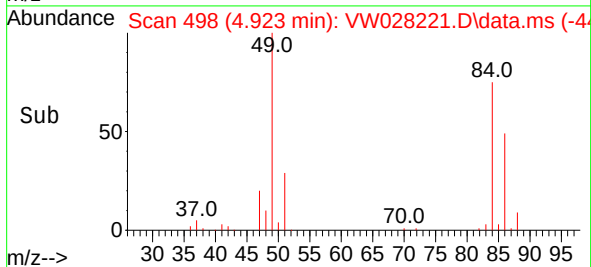
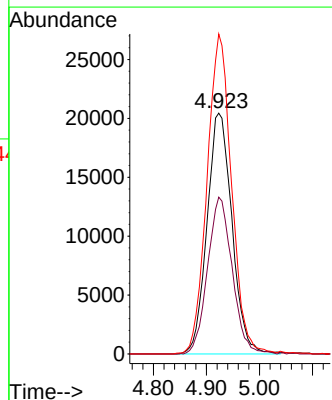
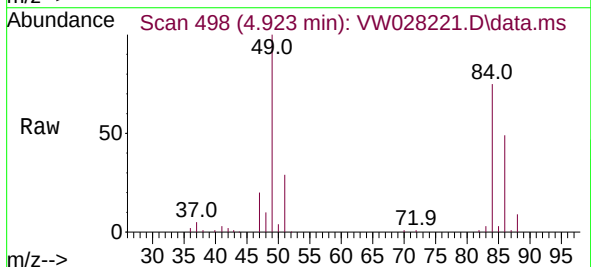
Instrument :
MSVOA_W
ClientSampleId :

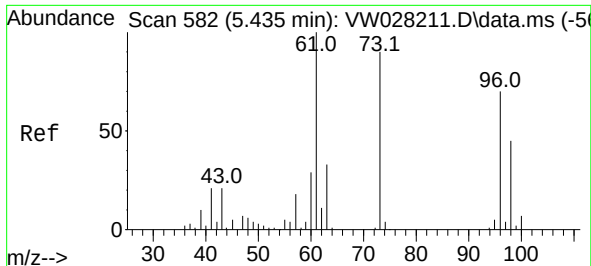
Tgt Ion: 43 Resp: 23124
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.2



#16
Methylene chloride
Concen: 20.820 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion: 84 Resp: 66907
Ion Ratio Lower Upper
84 100
86 65.1 43.1 80.1
49 132.9 89.4 166.0





#17

trans-1,2-Dichloroethene

Concen: 23.662 ug/L

RT: 5.435 min Scan# 582

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

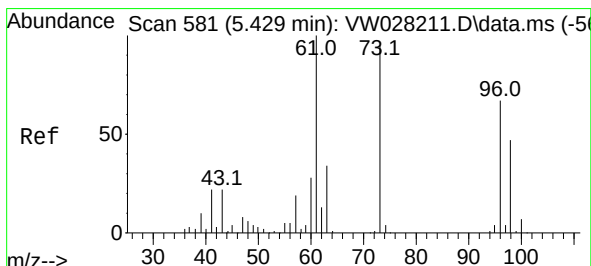
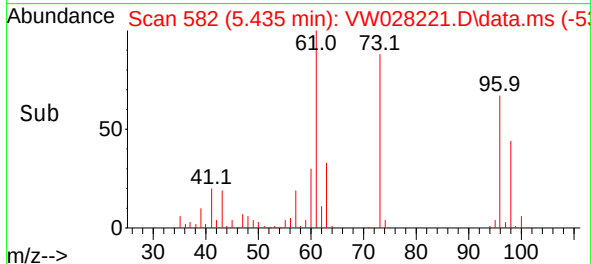
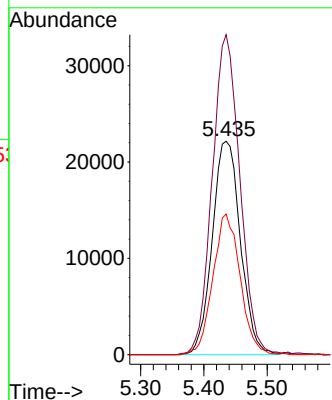
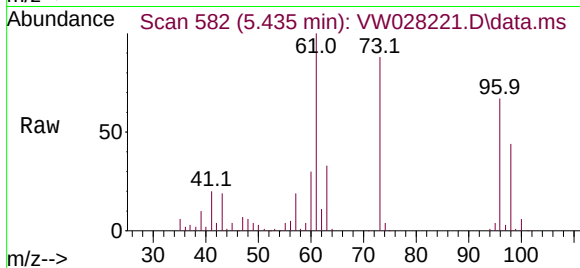
Tgt Ion: 96 Resp: 68561

Ion Ratio Lower Upper

96 100

61 149.9 98.4 182.8

98 65.9 45.6 84.8



#18

Methyl tert-butyl Ether

Concen: 22.607 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

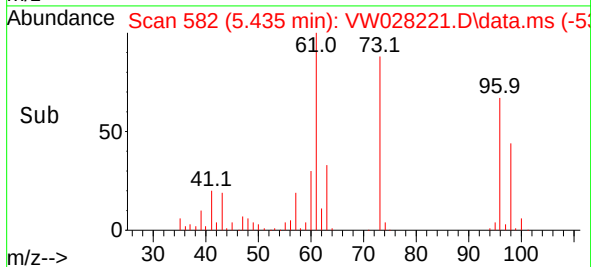
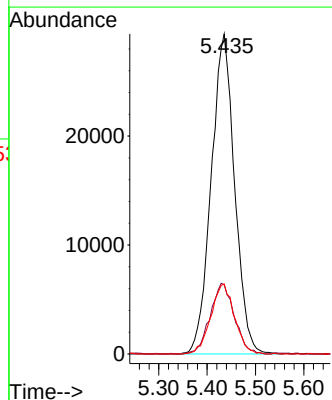
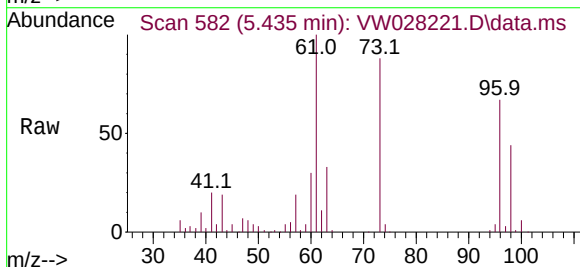
Tgt Ion: 73 Resp: 98829

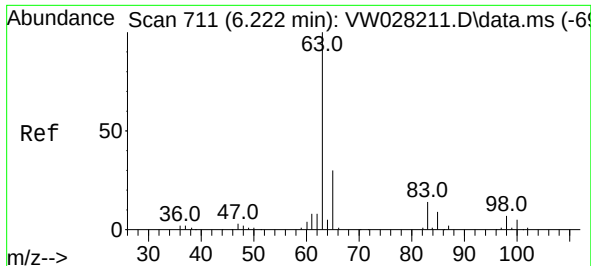
Ion Ratio Lower Upper

73 100

43 22.7 18.2 27.4

57 21.9 17.4 26.2





#19

1,1-Dichloroethane

Concen: 23.869 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

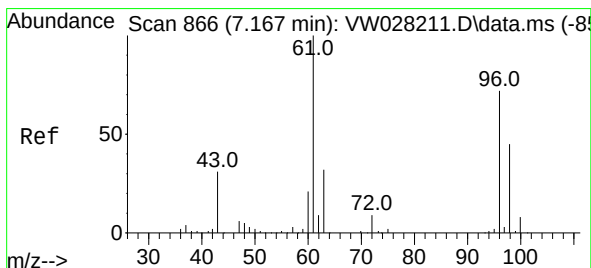
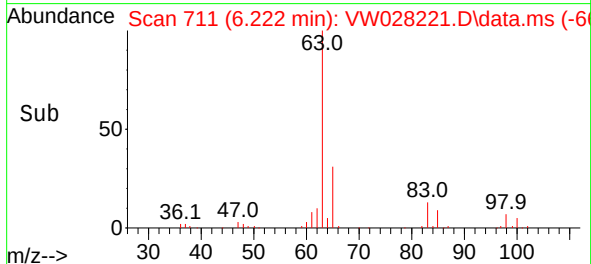
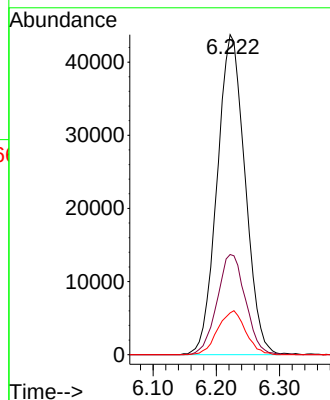
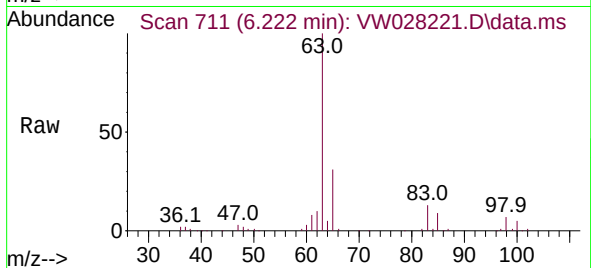
Tgt Ion: 63 Resp: 133895

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

83 13.0 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 23.817 ug/L

RT: 7.179 min Scan# 868

Delta R.T. 0.012 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

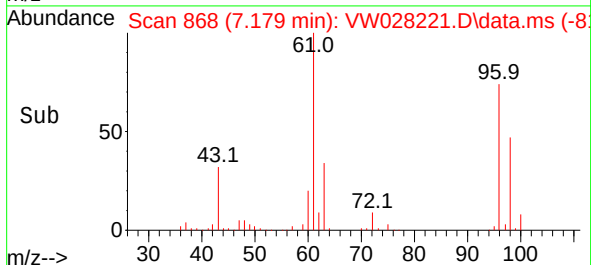
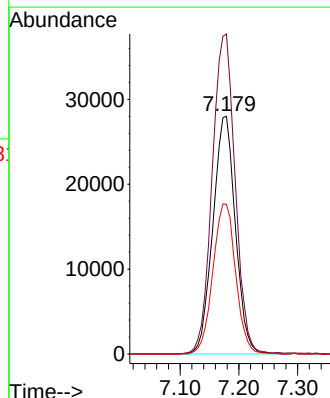
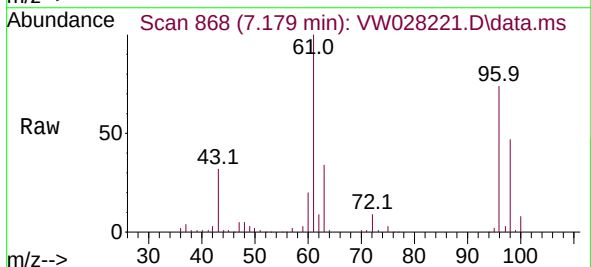
Tgt Ion: 96 Resp: 74532

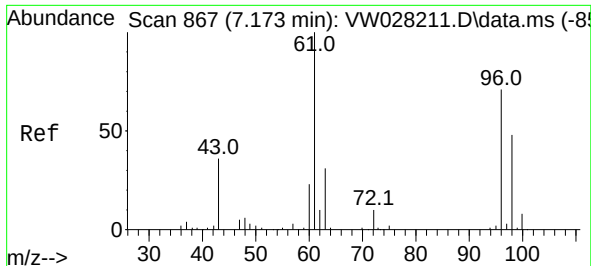
Ion Ratio Lower Upper

96 100

61 134.6 95.7 177.7

98 62.9 43.9 81.5





#22

2-Butanone

Concen: 37.538 ug/L

RT: 7.179 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

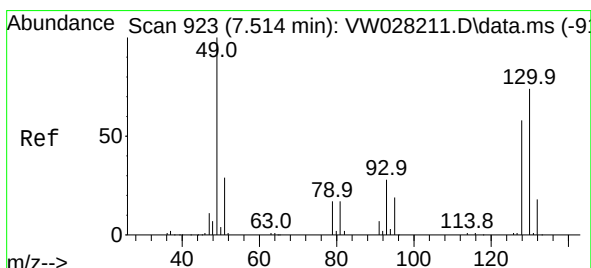
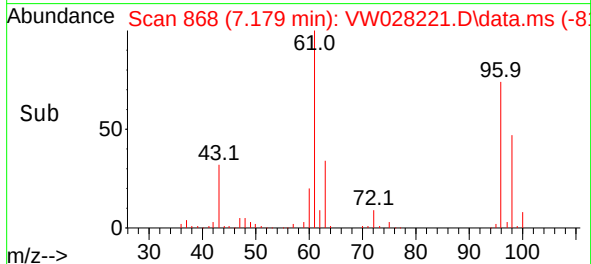
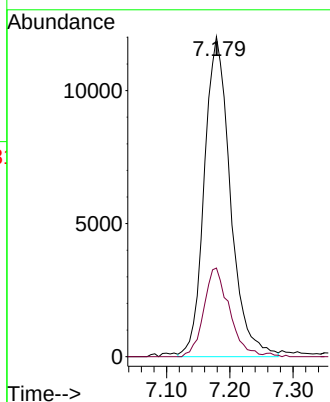
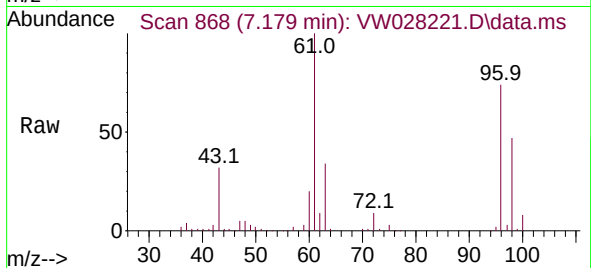
ClientSampleId :

Tgt Ion: 43 Resp: 34480

Ion Ratio Lower Upper

43 100

72 26.7 12.8 38.4



#23

Bromochloromethane

Concen: 22.815 ug/L

RT: 7.520 min Scan# 924

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Tgt Ion: 128 Resp: 31564

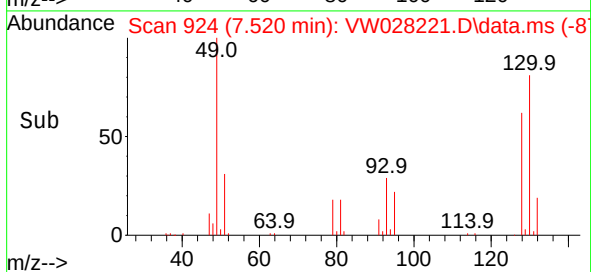
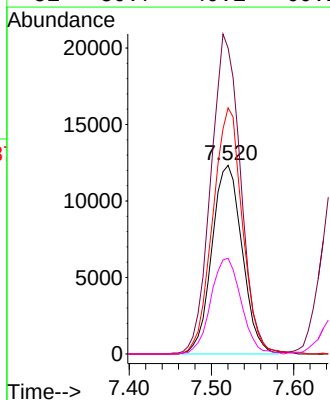
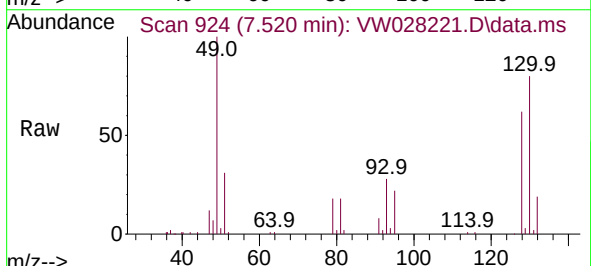
Ion Ratio Lower Upper

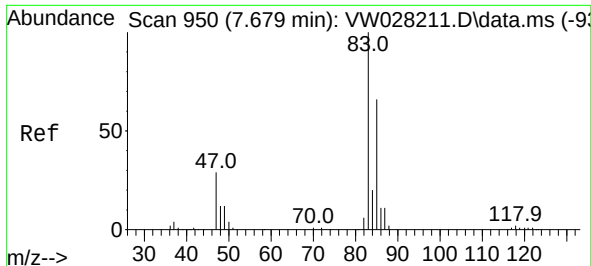
128 100

49 162.1 116.6 216.6

130 130.4 80.1 148.7

51 50.7 40.1 60.1





#25

Chloroform

Concen: 23.716 ug/L

RT: 7.679 min Scan# 90

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

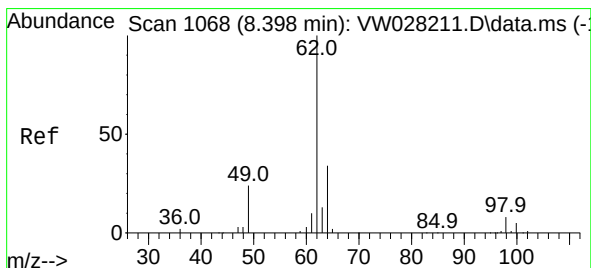
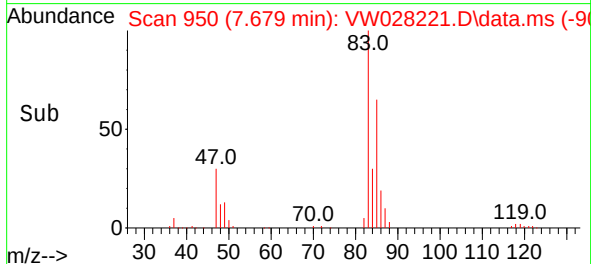
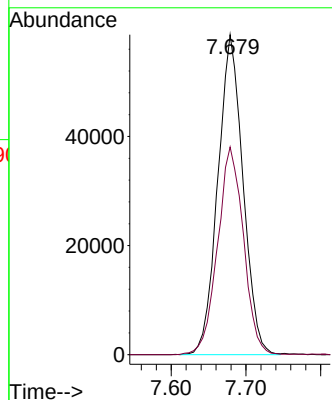
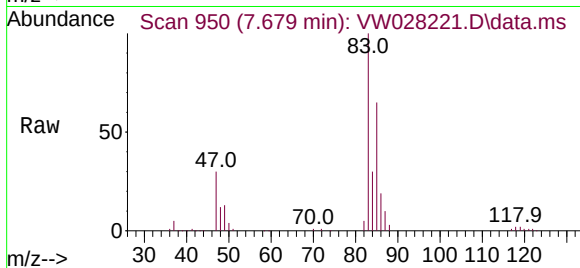
ClientSampleId :

Tgt Ion: 83 Resp: 136958

Ion Ratio Lower Upper

83 100

85 64.9 44.5 82.7



#27

1,2-Dichloroethane

Concen: 22.252 ug/L

RT: 8.404 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VW028221.D

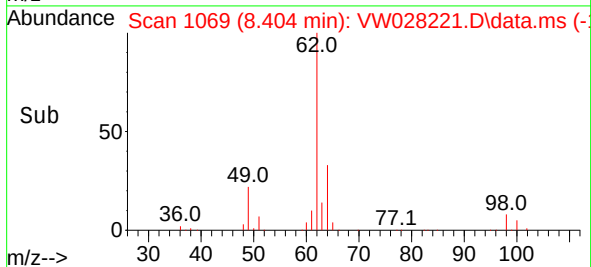
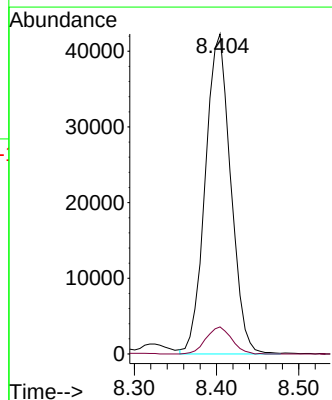
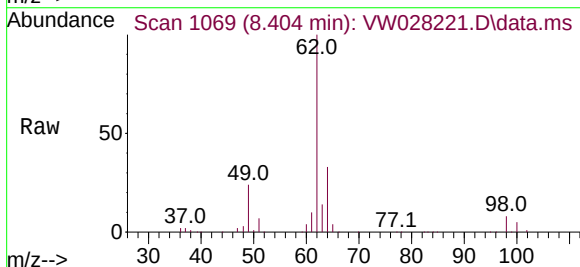
Acq: 21 Mar 2024 09:10

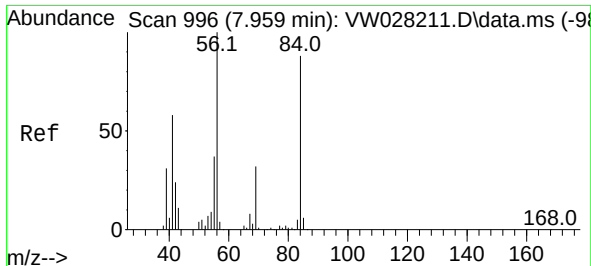
Tgt Ion: 62 Resp: 90748

Ion Ratio Lower Upper

62 100

98 8.4 5.9 8.9





#29

Cyclohexane

Concen: 23.803 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

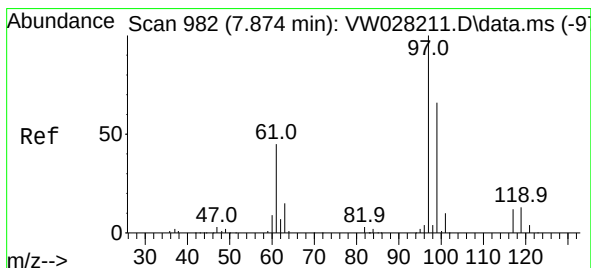
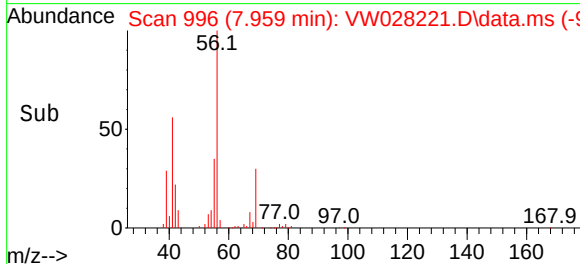
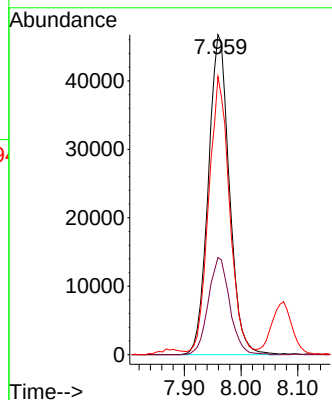
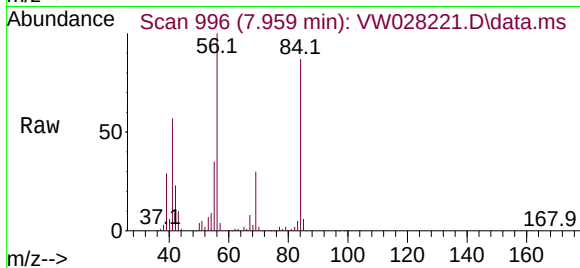
Tgt Ion: 56 Resp: 120834

Ion Ratio Lower Upper

56 100

69 30.7 24.0 36.0

84 86.1 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 24.462 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

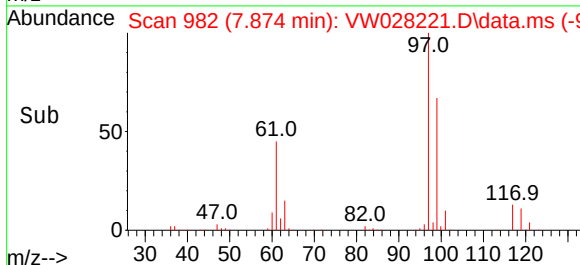
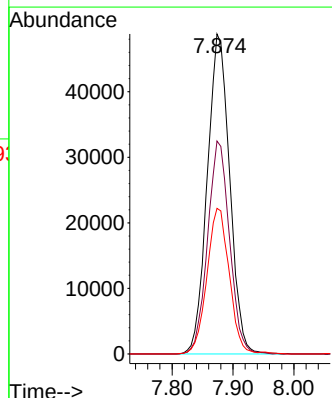
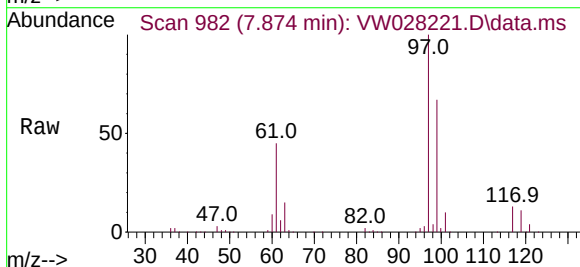
Tgt Ion: 97 Resp: 124799

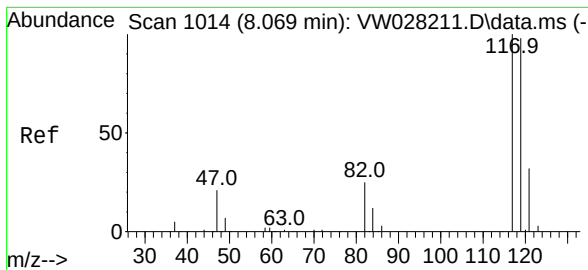
Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

61 45.2 37.0 55.6

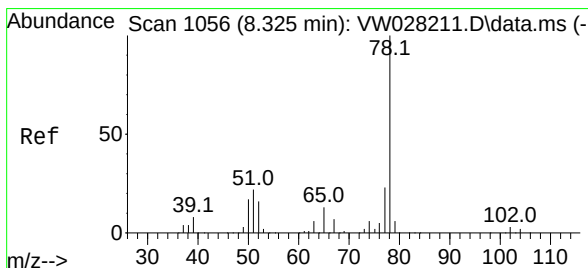
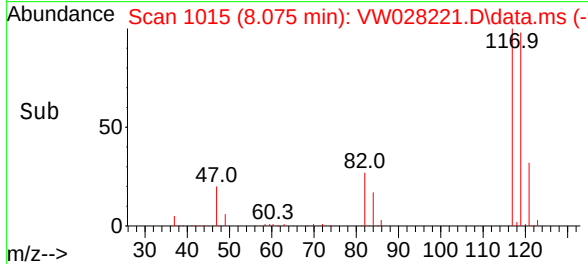
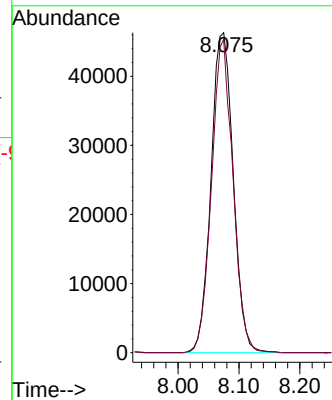
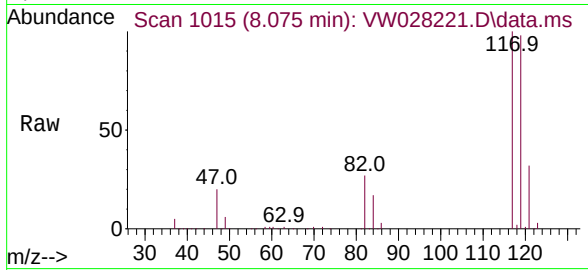




#31
Carbon tetrachloride
Concen: 24.560 ug/L
RT: 8.075 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

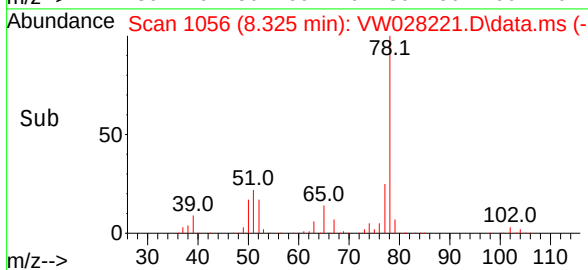
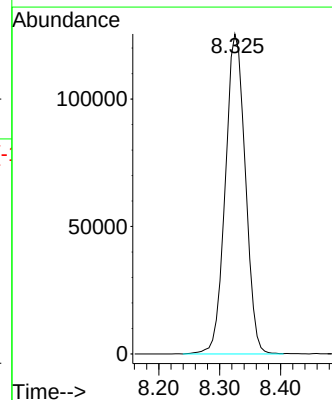
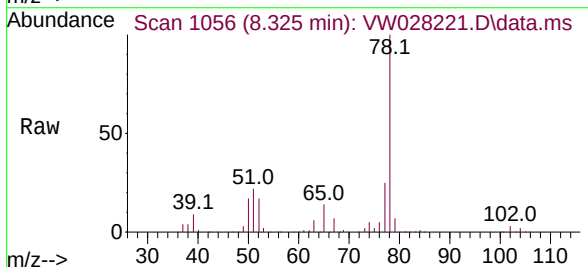
Instrument :
MSVOA_W
ClientSampleId :

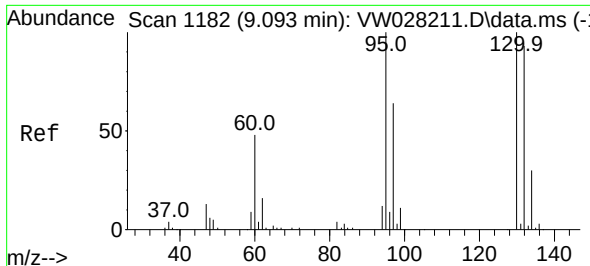
Tgt Ion:117 Resp: 117531
Ion Ratio Lower Upper
117 100
119 94.1 78.2 117.4



#33
Benzene
Concen: 23.888 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

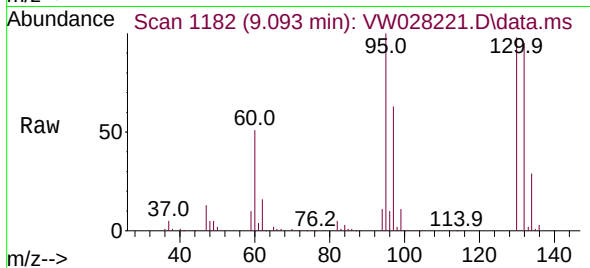
Tgt Ion: 78 Resp: 286092





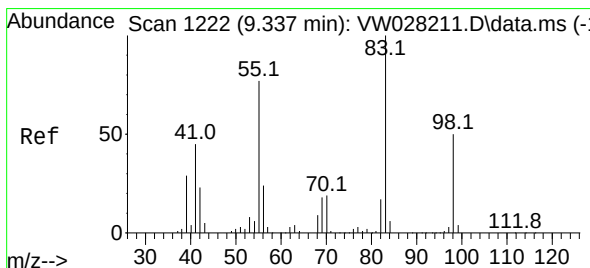
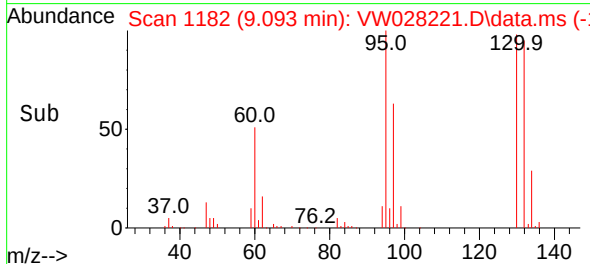
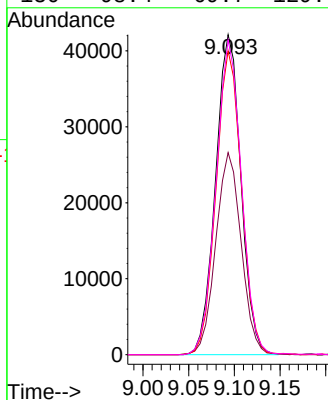
#34
Trichloroethene
Concen: 24.402 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 81537

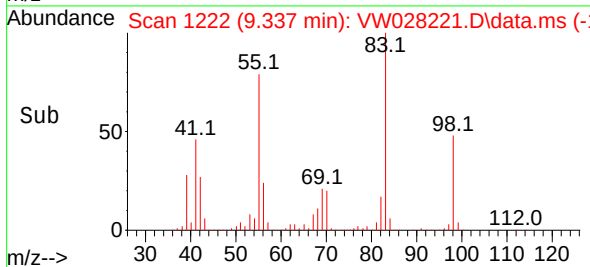
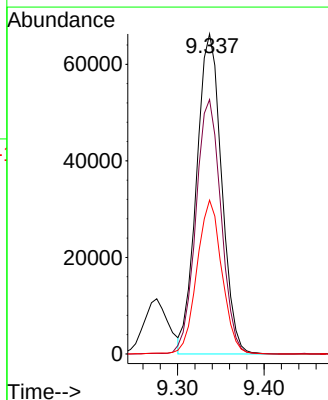
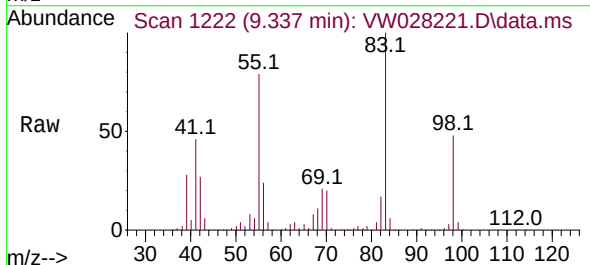
Ion	Ratio	Lower	Upper
95	100		
97	63.1	42.4	78.6
132	94.9	69.4	128.8
130	98.4	69.7	129.4

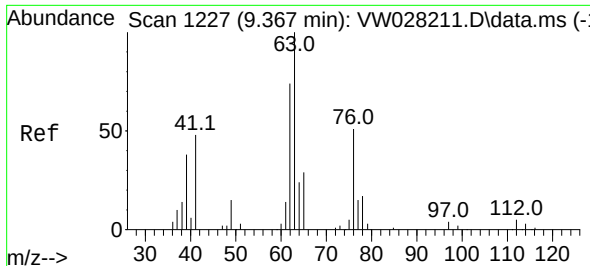


#35
Methylcyclohexane
Concen: 23.575 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion: 83 Resp: 133148

Ion	Ratio	Lower	Upper
83	100		
55	79.7	64.2	96.4
98	47.8	38.3	57.5





#37

1,2-Dichloropropane

Concen: 23.337 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

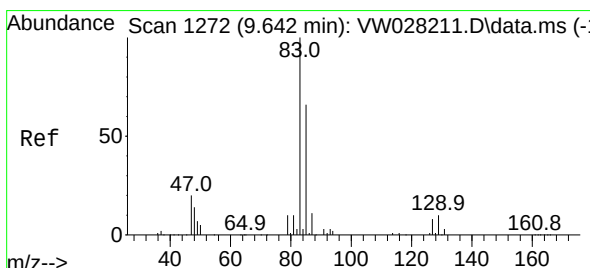
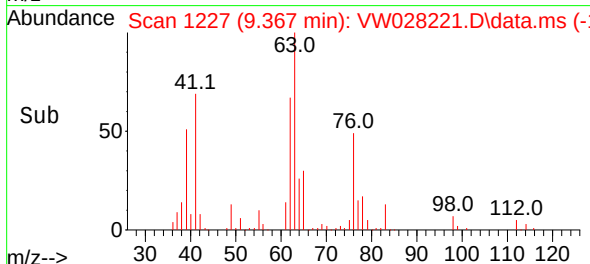
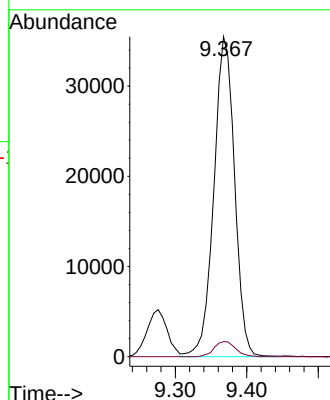
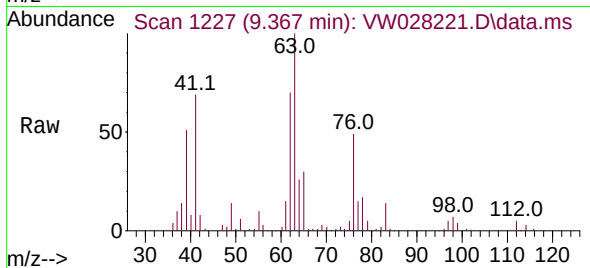
ClientSampleId :

Tgt Ion: 63 Resp: 71490

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 23.568 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

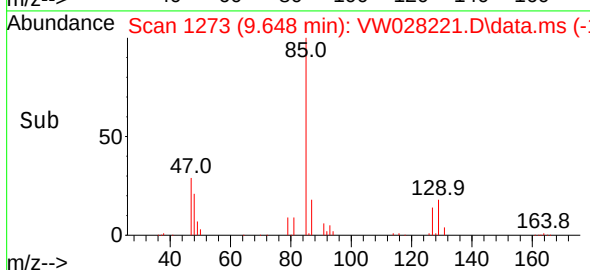
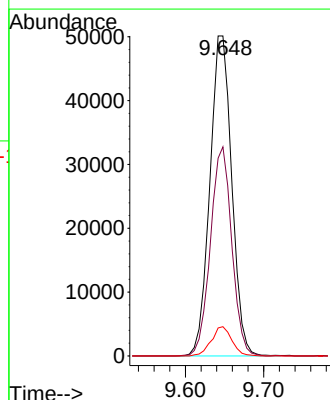
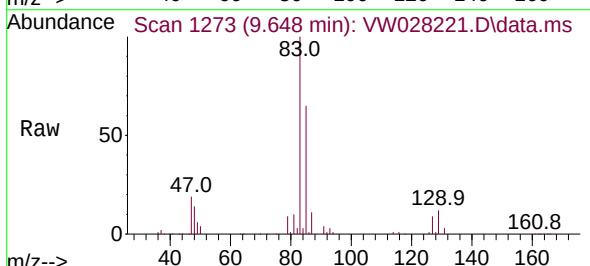
Tgt Ion: 83 Resp: 97338

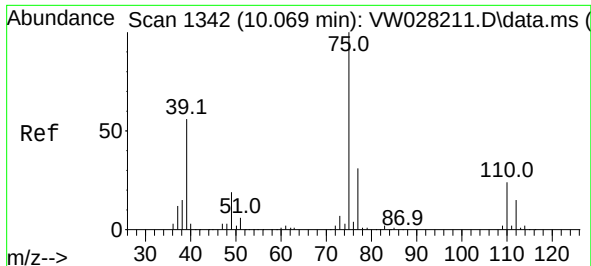
Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.2

127 9.1 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 23.293 ug/L

RT: 10.075 min Scan# 1342

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

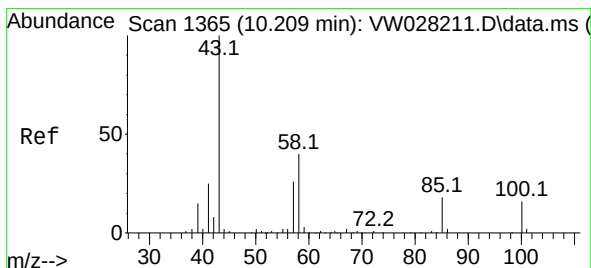
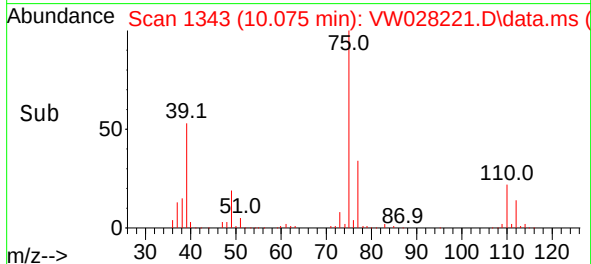
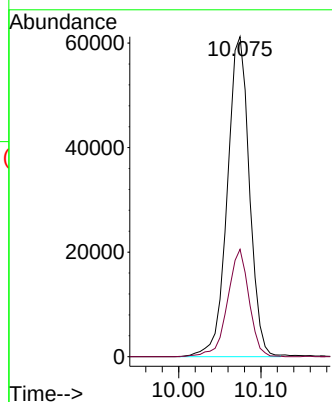
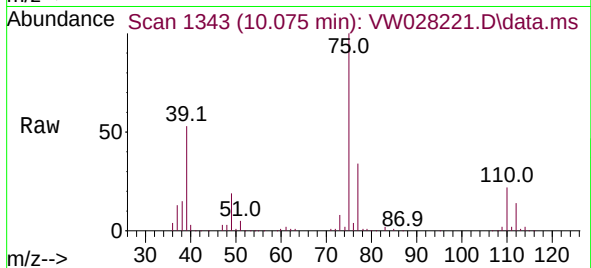
ClientSampleId :

Tgt Ion: 75 Resp: 114275

Ion Ratio Lower Upper

75 100

77 33.6 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 37.924 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

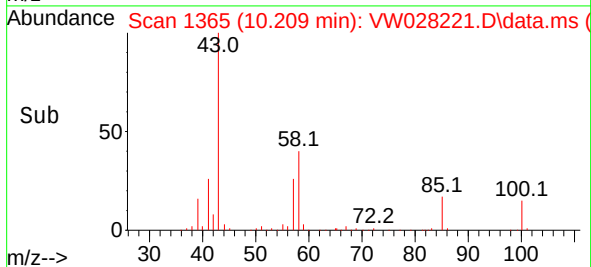
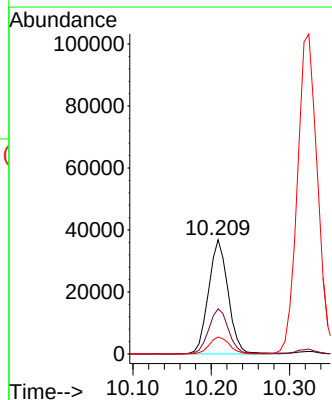
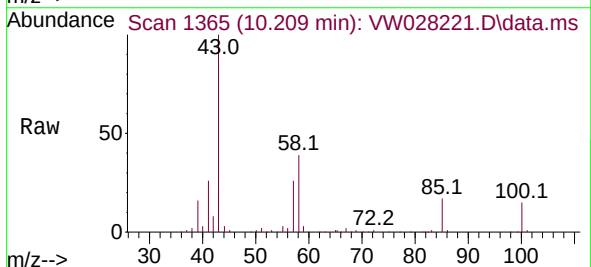
Tgt Ion: 43 Resp: 64126

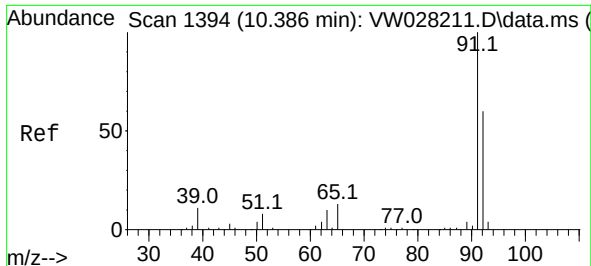
Ion Ratio Lower Upper

43 100

58 39.8 30.1 45.1

100 15.2 11.8 17.8





#42

Toluene

Concen: 24.220 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

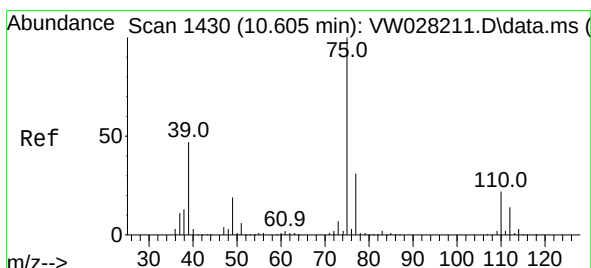
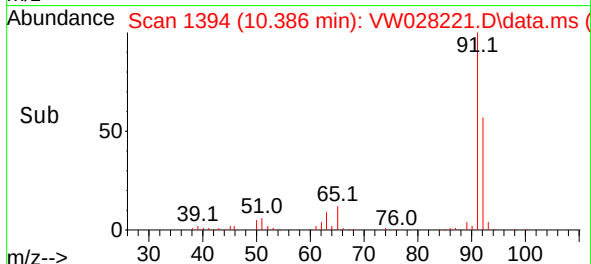
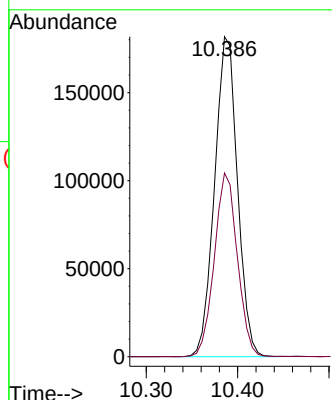
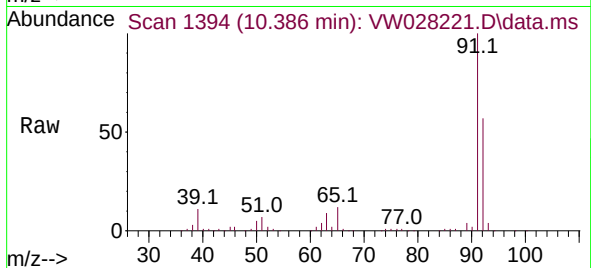
ClientSampleId :

Tgt Ion: 91 Resp: 316581

Ion Ratio Lower Upper

91 100

92 57.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 22.527 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028221.D

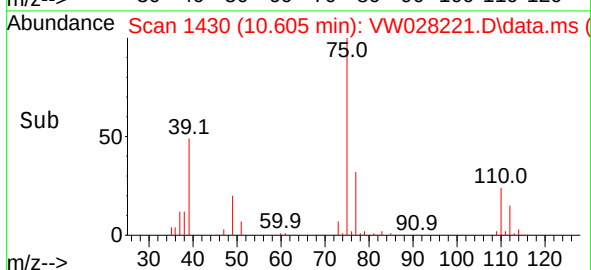
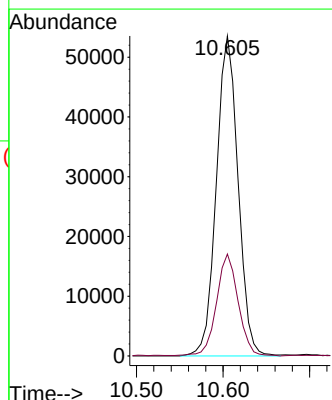
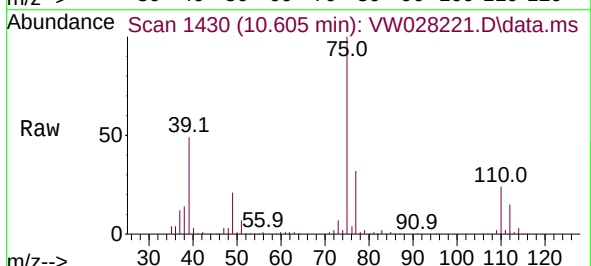
Acq: 21 Mar 2024 09:10

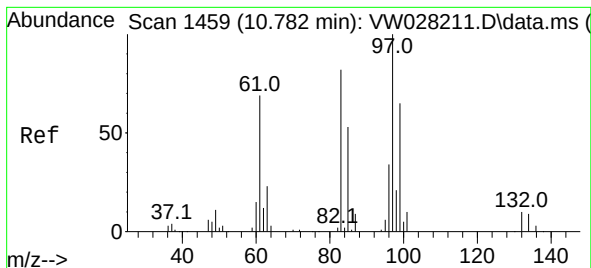
Tgt Ion: 75 Resp: 93305

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 22.197 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 49128

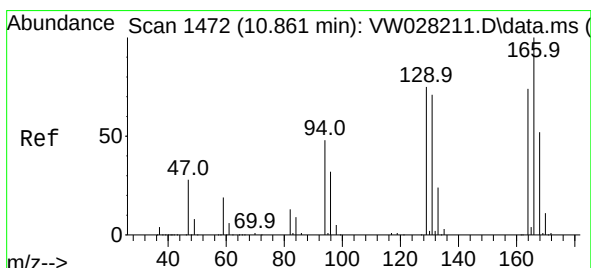
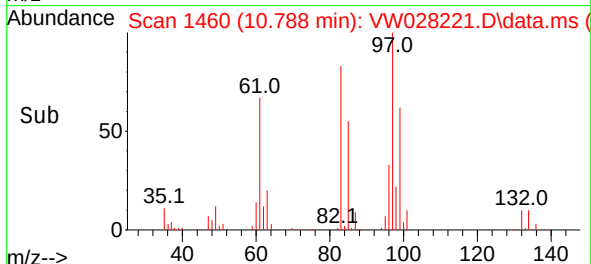
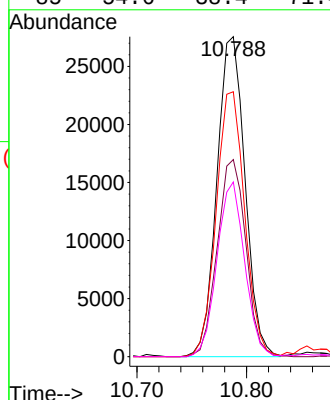
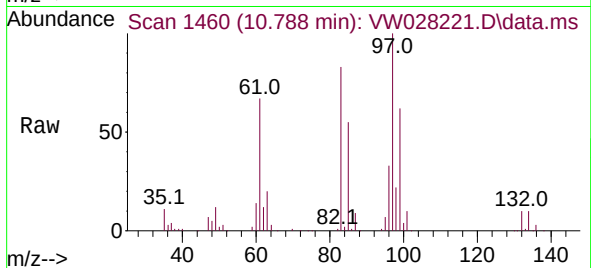
Ion Ratio Lower Upper

97 100

99 61.6 43.4 80.6

83 82.8 59.4 110.4

85 54.6 38.4 71.4



#46

Tetrachloroethene

Concen: 23.842 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Tgt Ion:164 Resp: 64217

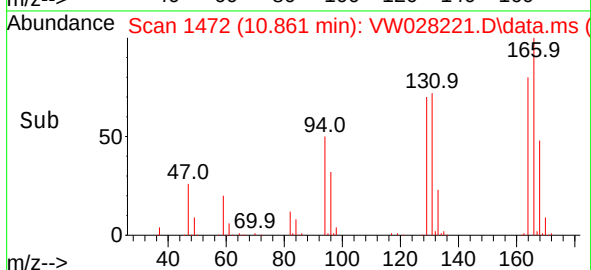
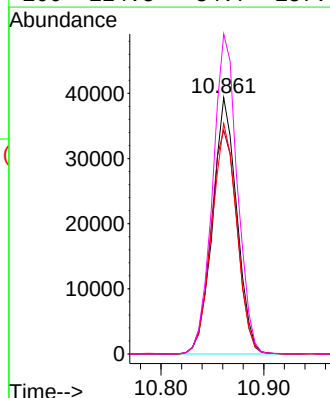
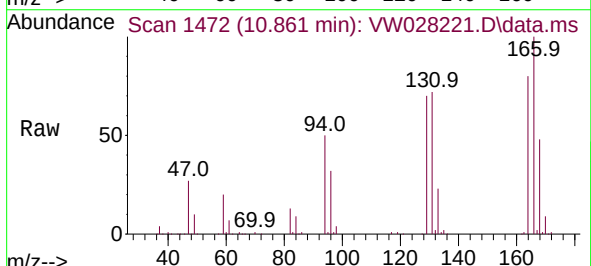
Ion Ratio Lower Upper

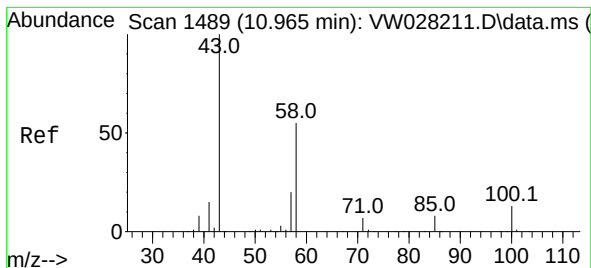
164 100

129 87.2 64.0 119.0

131 89.9 62.6 116.3

166 124.8 84.7 157.3

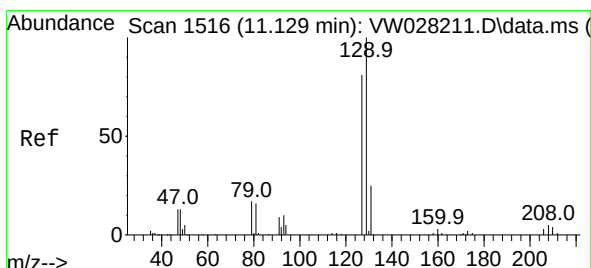
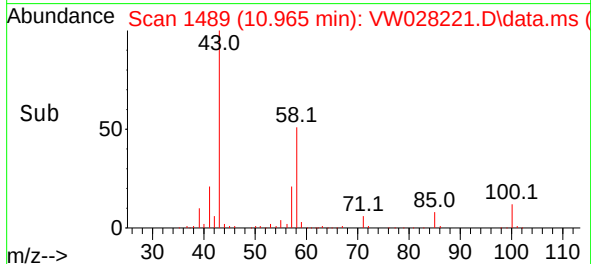
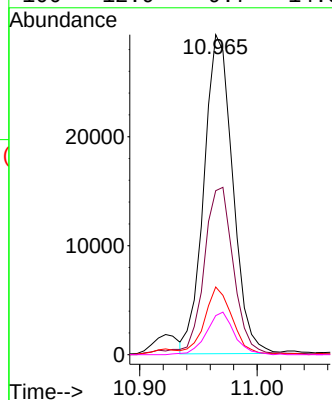
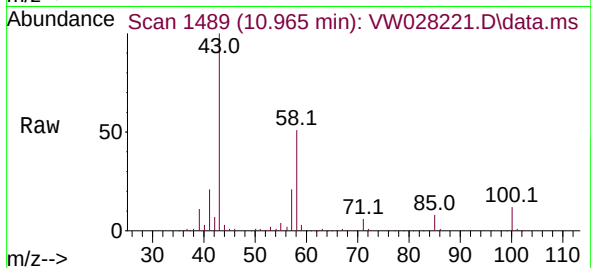




#48
2-Hexanone
Concen: 37.675 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

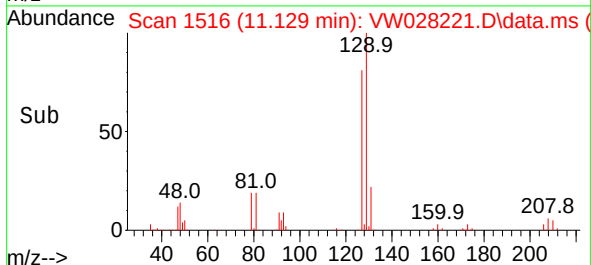
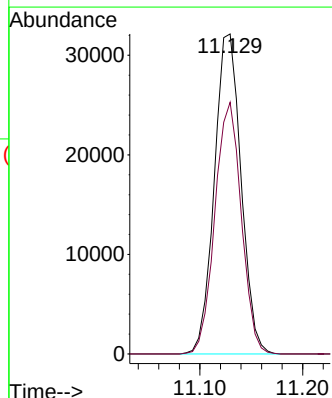
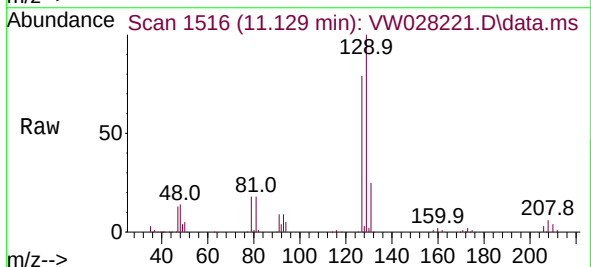
Instrument :
MSVOA_W
ClientSampleId :

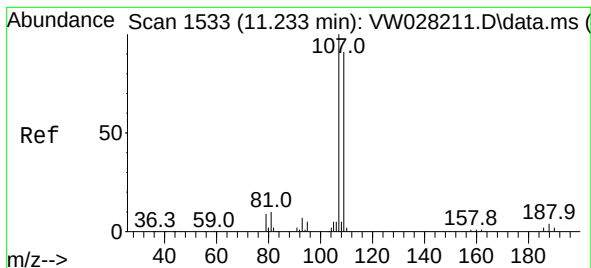
Tgt Ion: 43	Resp: 49903
Ion Ratio	Lower Upper
43 100	
58 52.3	40.6 61.0
57 19.7	15.7 23.5
100 12.9	9.7 14.5



#49
Dibromochloromethane
Concen: 22.145 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion:129	Resp: 58048		
Ion Ratio	Lower	Upper	
129 100			
127 78.6	53.1	98.7	





#50

1,2-Dibromoethane

Concen: 21.330 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW028221.D

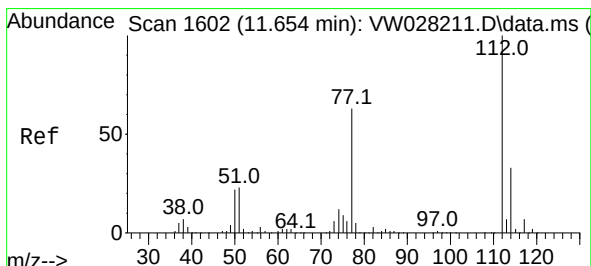
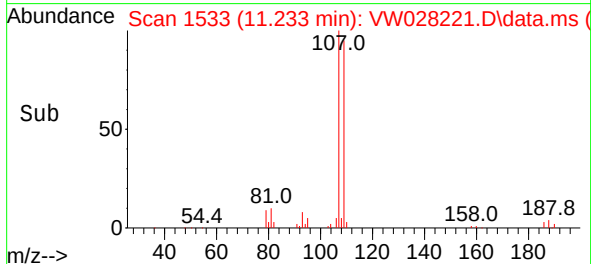
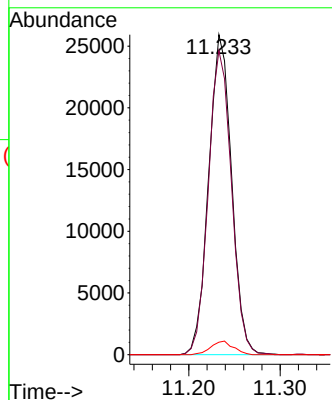
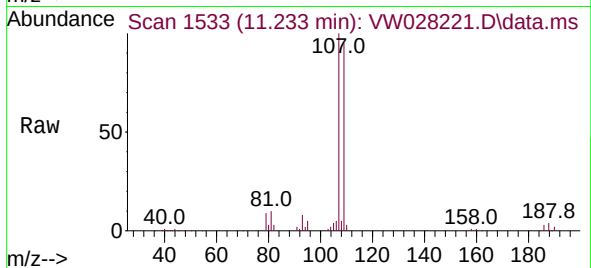
Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:107	Resp:	45142
Ion	Ratio	Lower Upper
107	100	
109	95.0	64.4 119.6
188	3.9	3.4 5.2



#51

Chlorobenzene

Concen: 23.786 ug/L

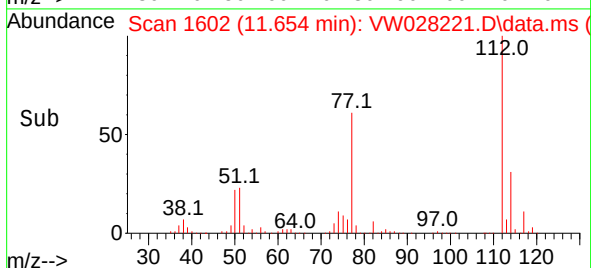
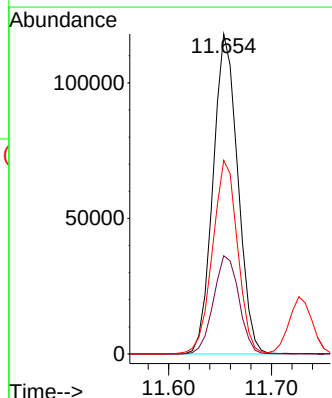
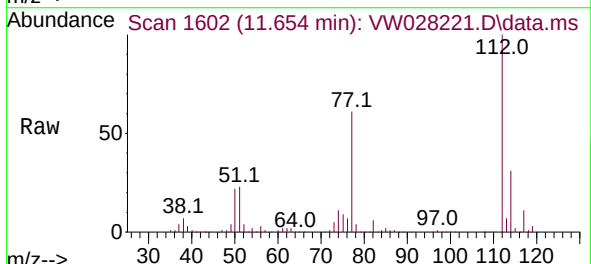
RT: 11.654 min Scan# 1602

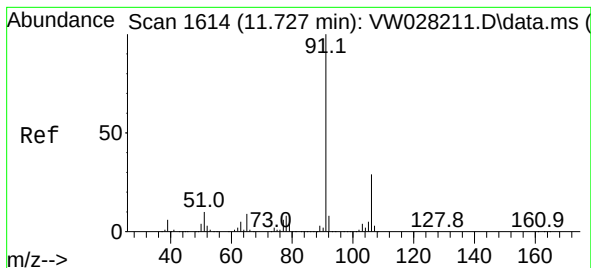
Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Tgt Ion:112	Resp:	197342
Ion	Ratio	Lower Upper
112	100	
114	30.7	21.8 40.6
77	60.5	50.6 76.0





#52

Ethylbenzene

Concen: 23.845 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

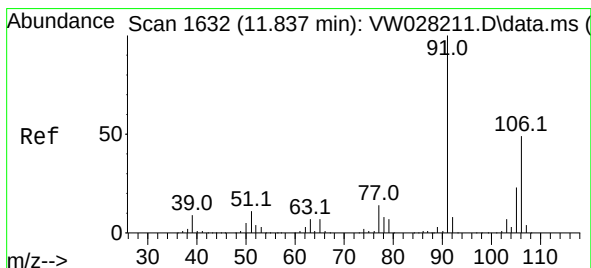
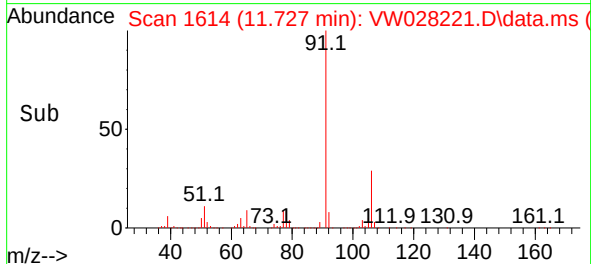
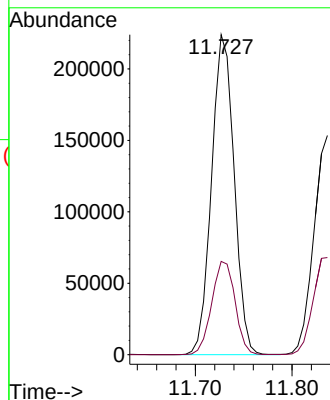
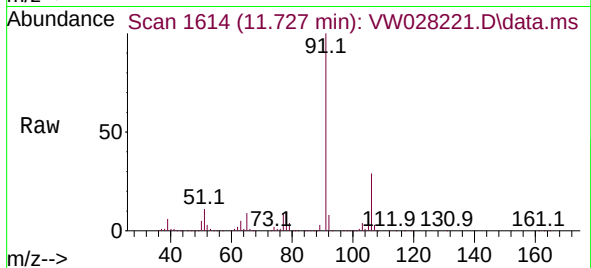
ClientSampleId :

Tgt Ion: 91 Resp: 363836

Ion Ratio Lower Upper

91 100

106 29.1 21.3 39.5



#53

m,p-Xylene

Concen: 23.829 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW028221.D

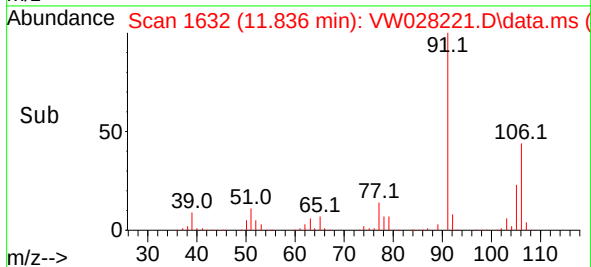
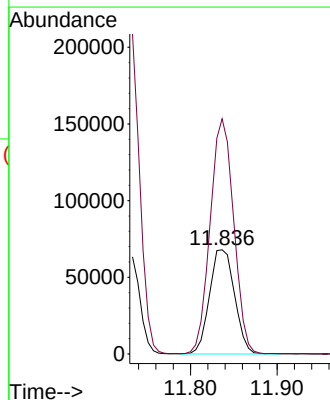
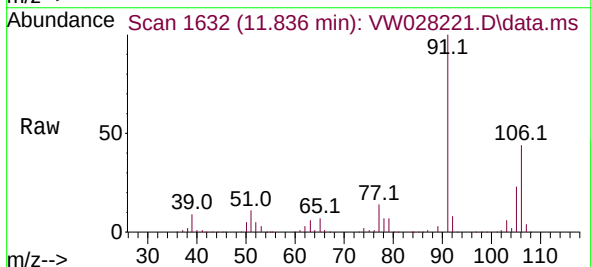
Acq: 21 Mar 2024 09:10

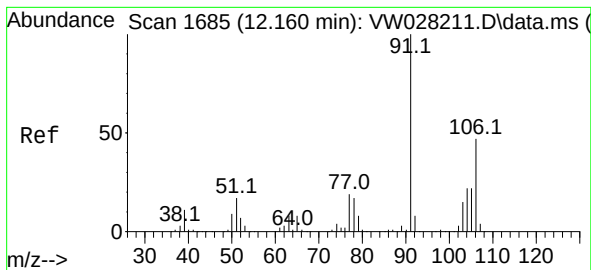
Tgt Ion:106 Resp: 136826

Ion Ratio Lower Upper

106 100

91 225.8 147.1 273.1

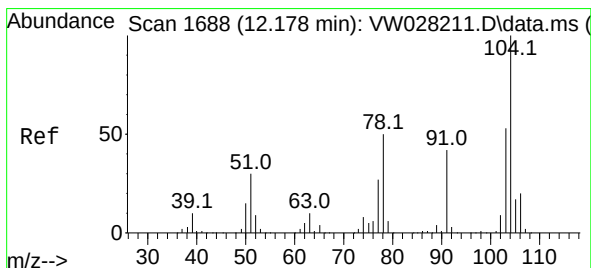
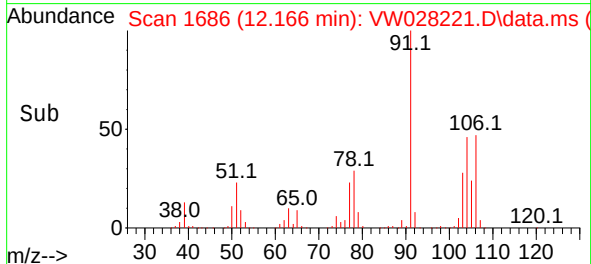
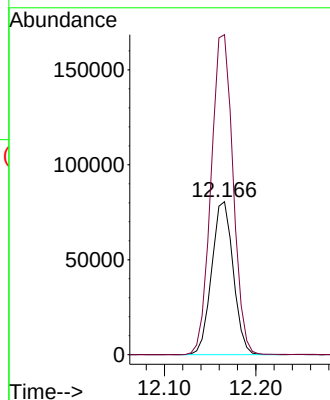
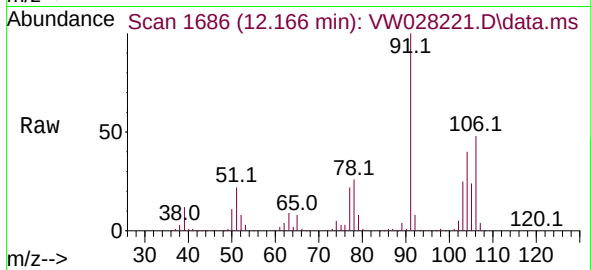




#54
o-Xylene
Concen: 24.762 ug/L
RT: 12.166 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

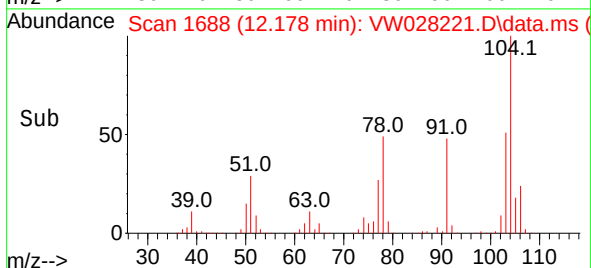
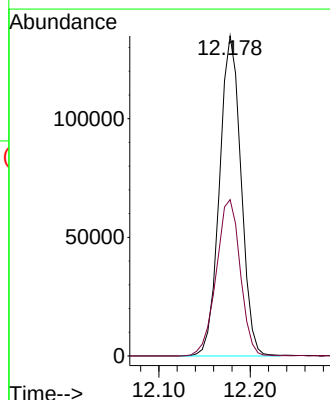
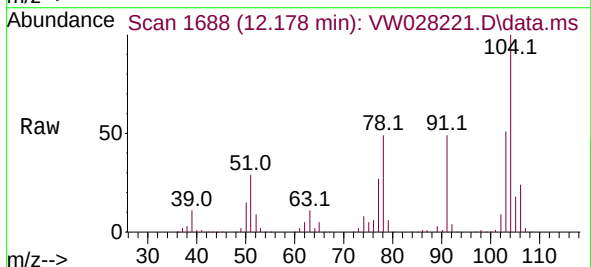
Instrument :
MSVOA_W
ClientSampleId :

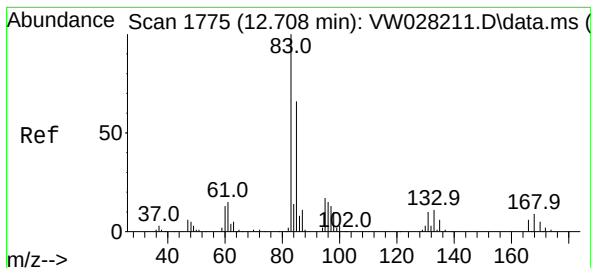
Tgt Ion:106 Resp: 131849
Ion Ratio Lower Upper
106 100
91 209.1 149.2 277.2



#55
Styrene
Concen: 24.194 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion:104 Resp: 221287
Ion Ratio Lower Upper
104 100
78 48.9 33.2 61.7

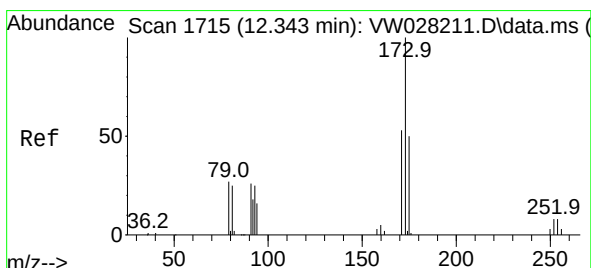
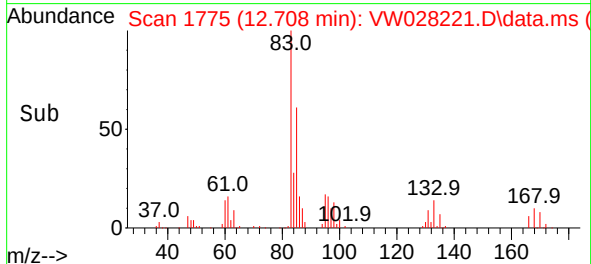
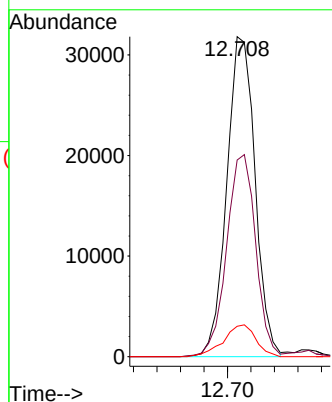
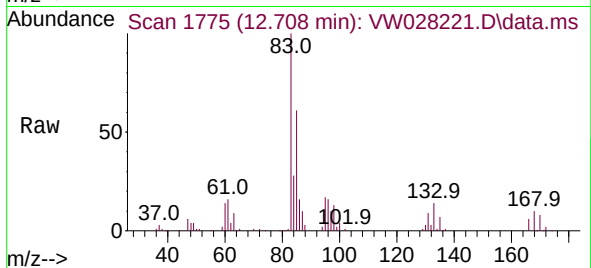




#57
1,1,2,2-Tetrachloroethane
Concen: 21.020 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

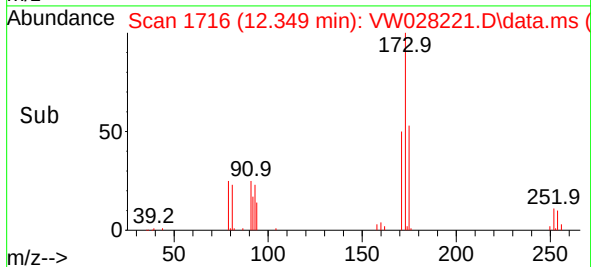
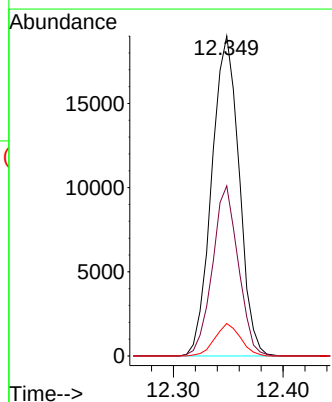
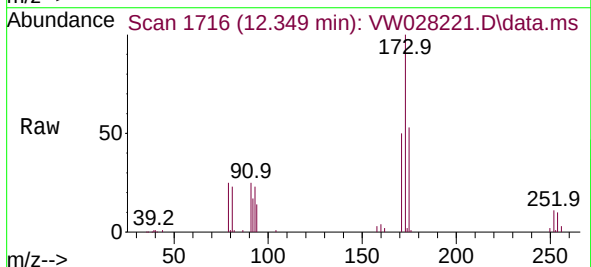
Instrument :
MSVOA_W
ClientSampleId :

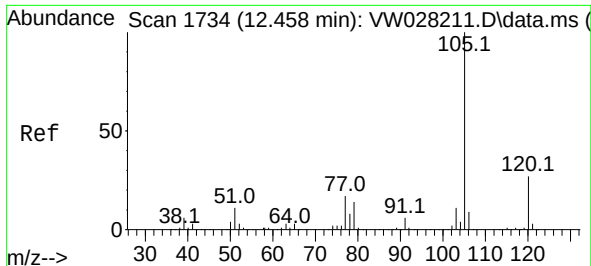
Tgt Ion: 83 Resp: 53215
Ion Ratio Lower Upper
83 100
85 61.5 47.0 87.2
131 9.5 8.9 13.3



#59
Bromoform
Concen: 22.014 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion:173 Resp: 33001
Ion Ratio Lower Upper
173 100
175 50.0 39.8 59.6
254 9.5 8.5 12.7

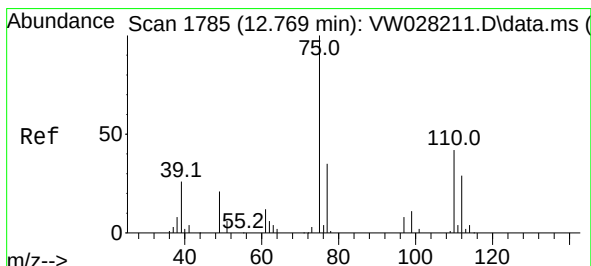
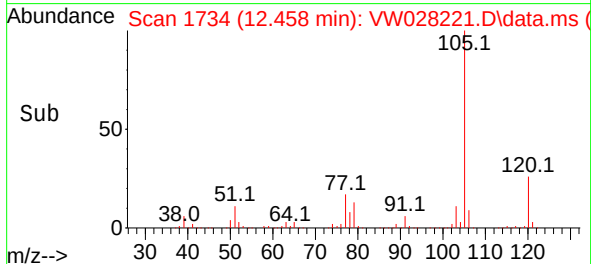
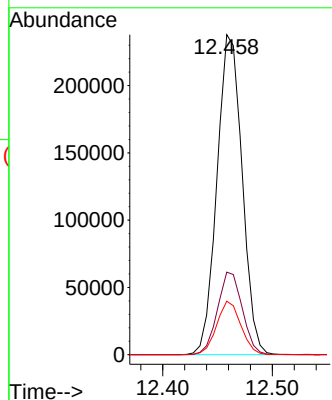
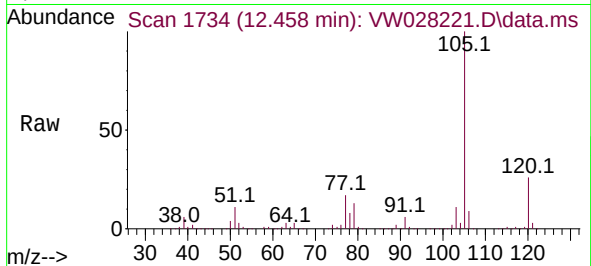




#60
Isopropylbenzene
Concen: 25.550 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

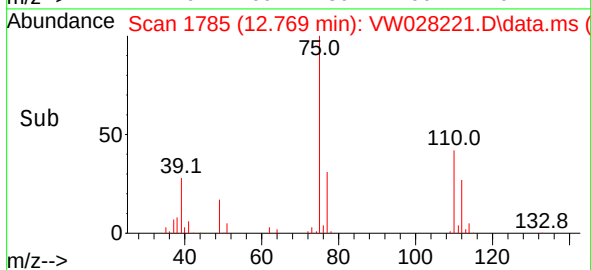
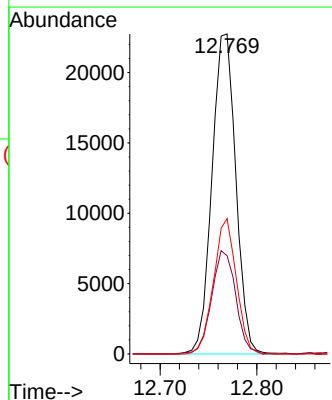
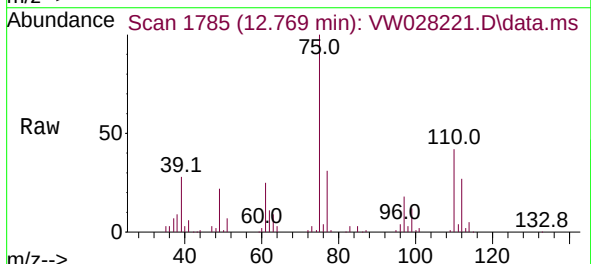
Instrument :
MSVOA_W
ClientSampleId :

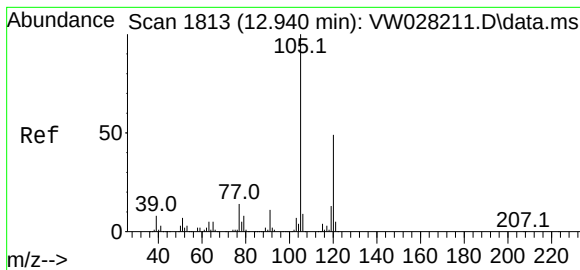
Tgt Ion:105 Resp: 379767
Ion Ratio Lower Upper
105 100
120 25.4 21.0 31.6
77 16.1 13.7 20.5



#61
1,2,3-Trichloropropane
Concen: 20.424 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion: 75 Resp: 38996
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 40.4 32.2 48.2

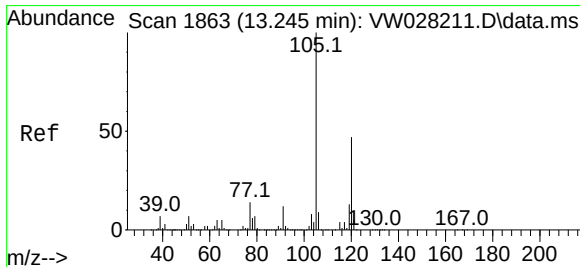
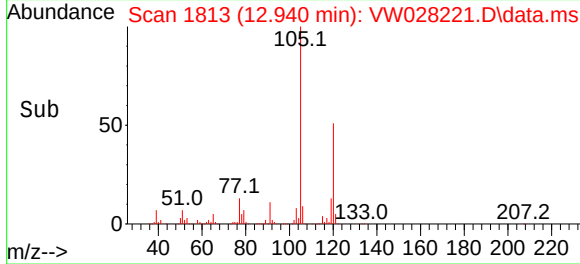
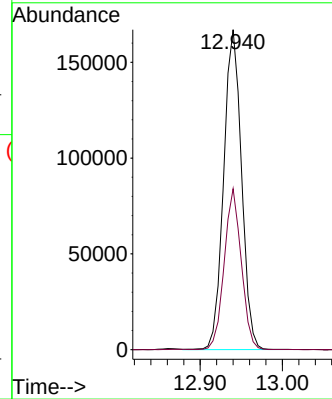
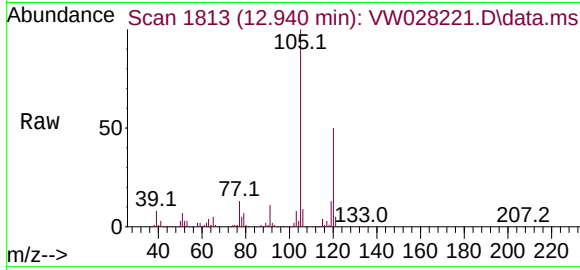




#62
1,3,5-Trimethylbenzene
Concen: 25.321 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

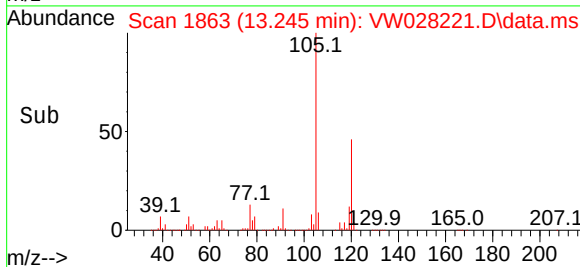
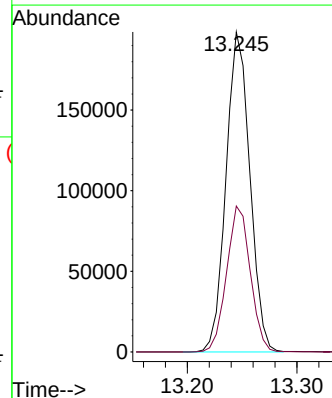
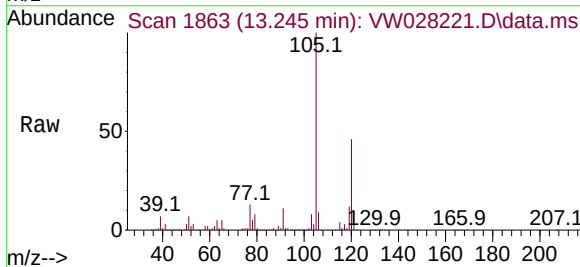
Instrument :
MSVOA_W
ClientSampleId :

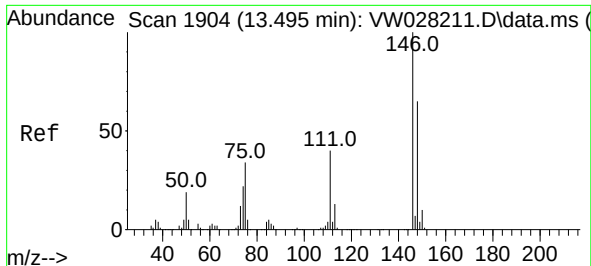
Tgt Ion:105 Resp: 252536
Ion Ratio Lower Upper
105 100
120 48.1 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 24.908 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion:105 Resp: 299952
Ion Ratio Lower Upper
105 100
120 45.3 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 24.447 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

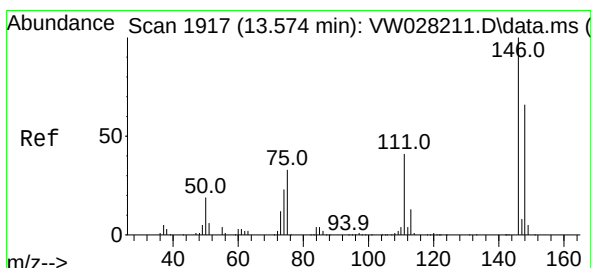
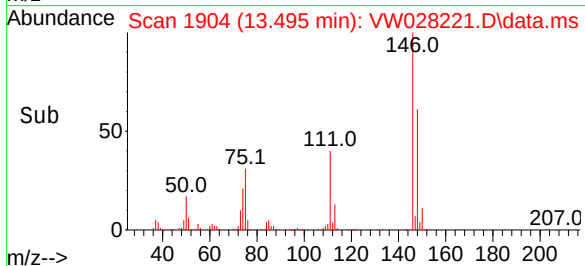
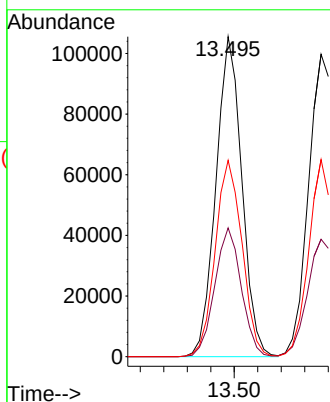
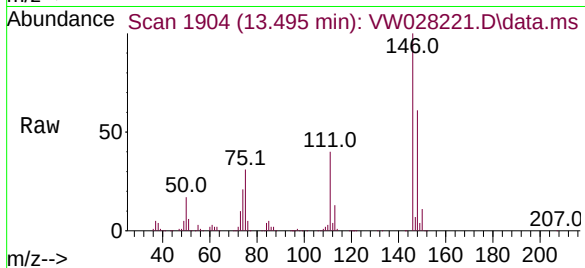
Tgt Ion:146 Resp: 162114

Ion Ratio Lower Upper

146 100

111 40.3 28.5 52.9

148 61.3 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 24.240 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

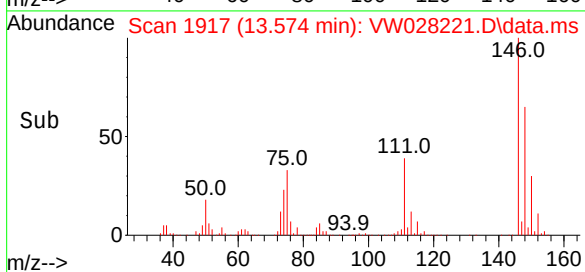
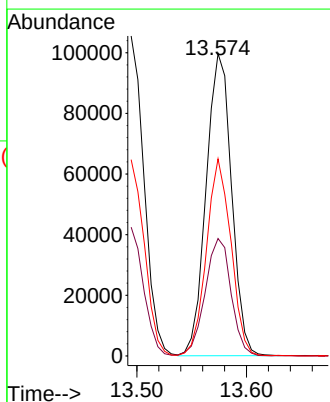
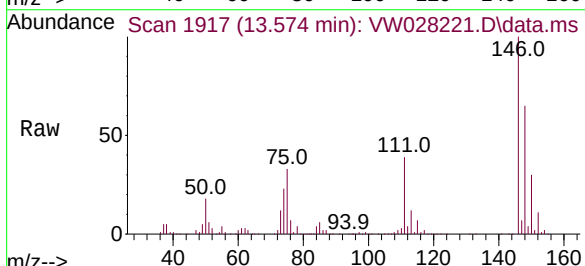
Tgt Ion:146 Resp: 160733

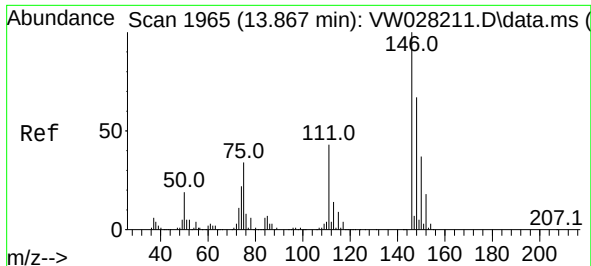
Ion Ratio Lower Upper

146 100

111 38.8 28.8 53.6

148 65.2 45.3 84.1

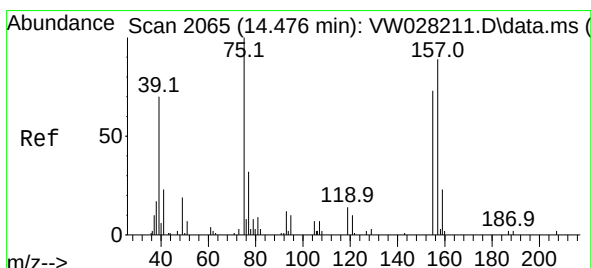
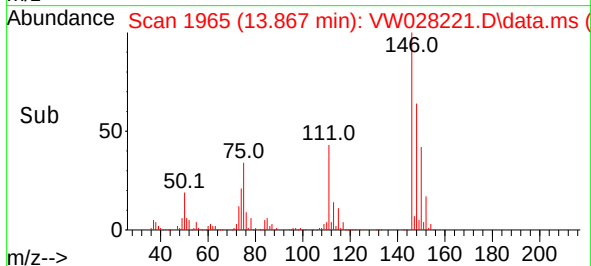
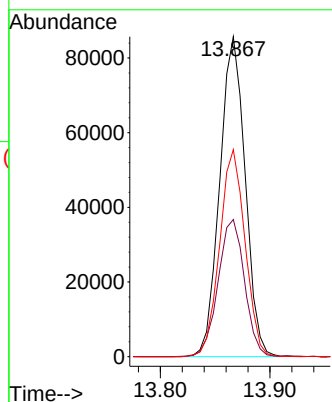
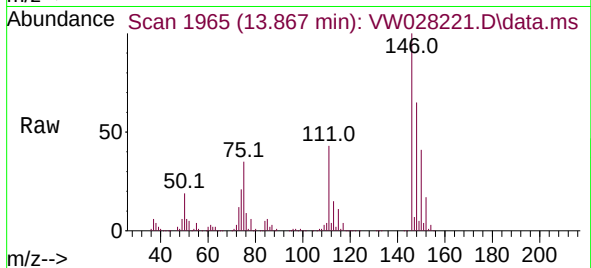




#67
1,2-Dichlorobenzene
Concen: 24.177 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

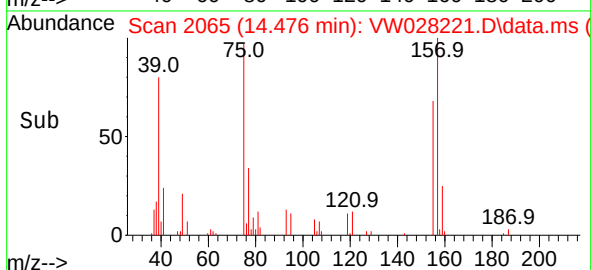
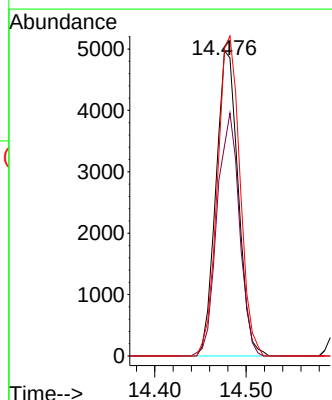
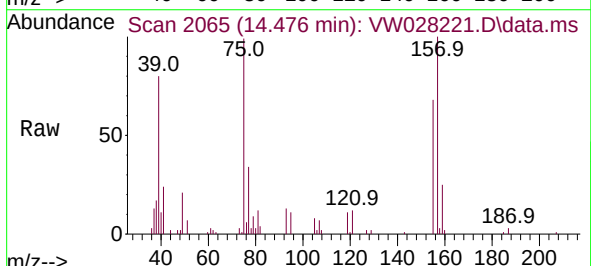
Instrument :
MSVOA_W
ClientSampleId :

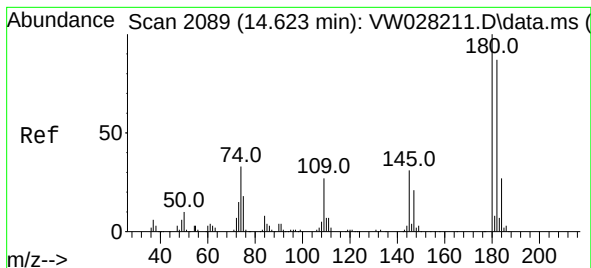
Tgt Ion:146 Resp: 138061
Ion Ratio Lower Upper
146 100
111 42.8 34.2 51.2
148 64.7 48.1 72.1



#68
1,2-Dibromo-3-chloropropane
Concen: 18.782 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW028221.D
Acq: 21 Mar 2024 09:10

Tgt Ion: 75 Resp: 8424
Ion Ratio Lower Upper
75 100
155 68.9 61.1 91.7
157 100.9 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 25.428 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 117455

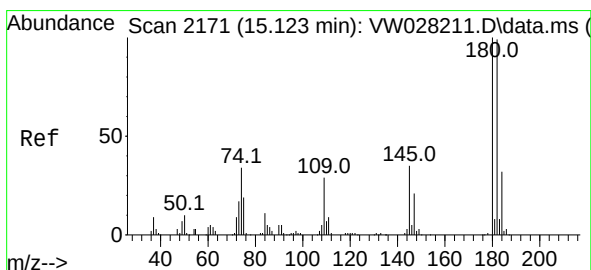
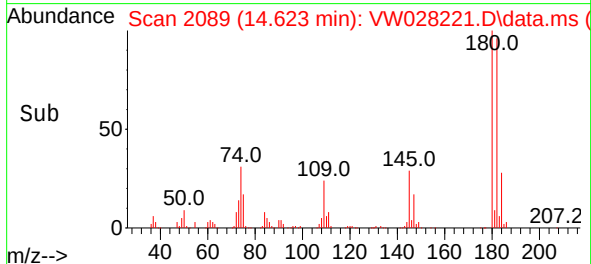
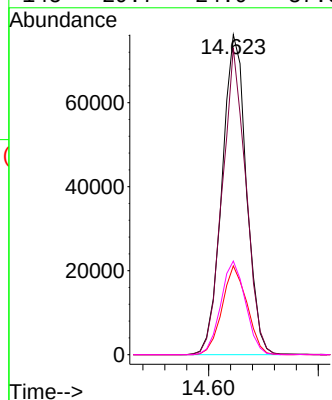
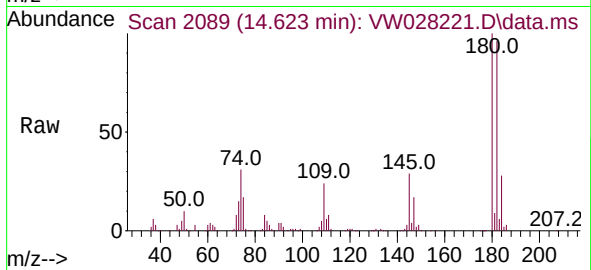
Ion Ratio Lower Upper

180 100

182 92.8 76.6 114.8

184 28.3 23.5 35.3

145 29.7 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 23.362 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

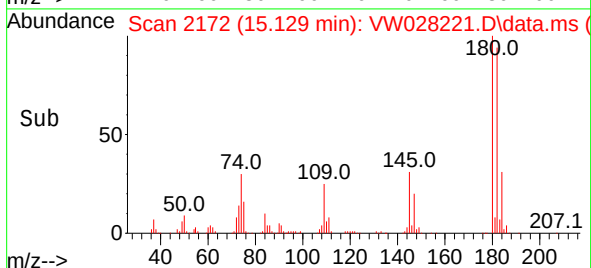
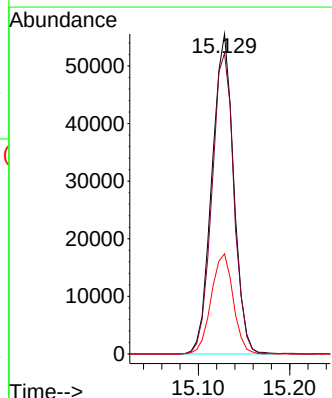
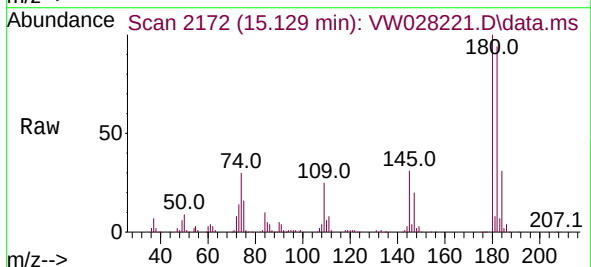
Tgt Ion:180 Resp: 91674

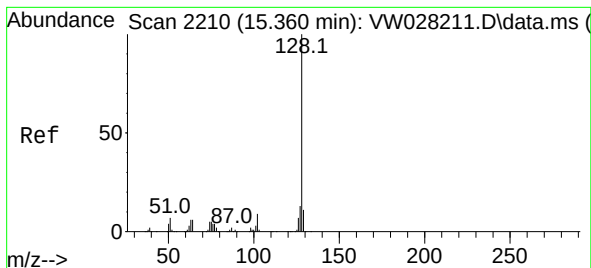
Ion Ratio Lower Upper

180 100

182 94.8 73.8 110.8

145 31.7 25.0 37.6





#71

Naphthalene

Concen: 21.863 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Instrument :

MSVOA_W

ClientSampleId :

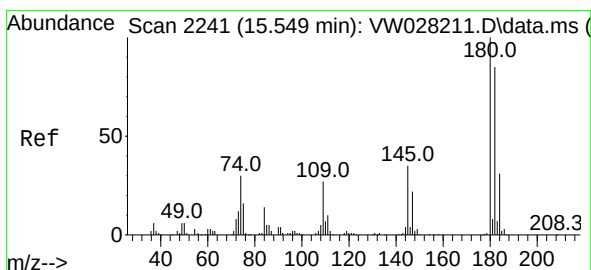
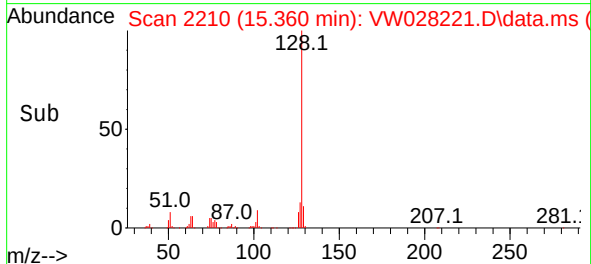
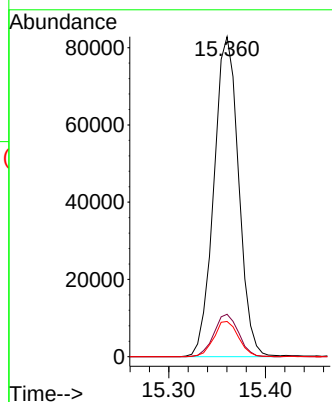
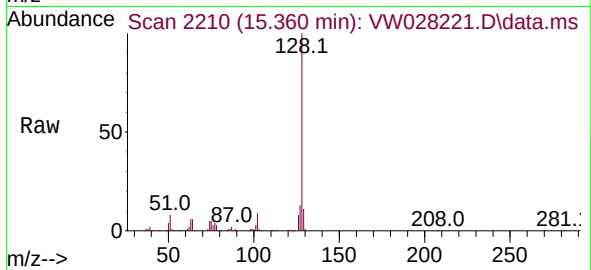
Tgt Ion:128 Resp: 147250

Ion Ratio Lower Upper

128 100

127 13.2 10.9 16.3

129 11.0 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 23.608 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW028221.D

Acq: 21 Mar 2024 09:10

Tgt Ion:180 Resp: 76369

Ion Ratio Lower Upper

180 100

182 93.6 76.0 114.0

145 33.5 27.1 40.7

