

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032824\
 Data File : VW028263.D
 Acq On : 28 Mar 2024 10:44
 Operator : SY/MD
 Sample : P1886-11MSDRE
 Misc : 6.22g/10mL/MSVOA_W/SOIL/B
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 28 23:32:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 28 23:31:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	333178	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	261201	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	94114	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	75721	19.424	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.680%
7) Chloroethane-d5	2.899	69	61404	22.545	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	4.021	65	52526	21.248	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.000%
21) 2-Butanone-d5	7.075	46	60538	52.652	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.300%
24) Chloroform-d	7.648	84	237707	24.195	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	8.307	65	123751	22.857	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.440%
32) Benzene-d6	8.276	84	454623	28.508	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.040%
36) 1,2-Dichloropropane-d6	9.270	67	134096	29.219	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.880%
41) Toluene-d8	10.319	98	392036	26.652	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.600%
43) trans-1,3-Dichloroprop...	10.575	79	53726	25.775	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.120%
47) 2-Hexanone-d5	10.922	63	47241	62.275	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.560%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	86883	25.629	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.520%
66) 1,2-Dichlorobenzene-d4	13.848	152	85103	24.823	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	84772	17.539	ug/L	91
3) Chloromethane	2.222	50	62389	18.200	ug/L	100
5) Vinyl chloride	2.375	62	74759	19.293	ug/L	97
6) Bromomethane	2.796	94	44331	19.210	ug/L	91
8) Chloroethane	2.942	64	42786	20.543	ug/L	99
9) Trichlorofluoromethane	3.271	101	95163	20.312	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	87130	18.721	ug/L	94
12) 1,1-Dichloroethene	4.045	96	87109	20.247	ug/L	95
13) Acetone	4.131	43	47543	37.241	ug/L	100
14) Carbon disulfide	4.387	76	203805	15.188	ug/L	97
15) Methyl Acetate	4.679	43	35960	18.287	ug/L	99
16) Methylene chloride	4.923	84	87524	17.260	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	84337	18.445	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	135416	19.630	ug/L	98
19) 1,1-Dichloroethane	6.216	63	179289	20.255	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	97206	19.685	ug/L	98
22) 2-Butanone	7.173	43	54777	37.792	ug/L	97
23) Bromochloromethane	7.514	128	41852	19.171	ug/L	96
25) Chloroform	7.673	83	180264	19.782	ug/L	98

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 QLast Update : Thu Mar 28 23:31:04 2024
 Response via : Initial Calibration

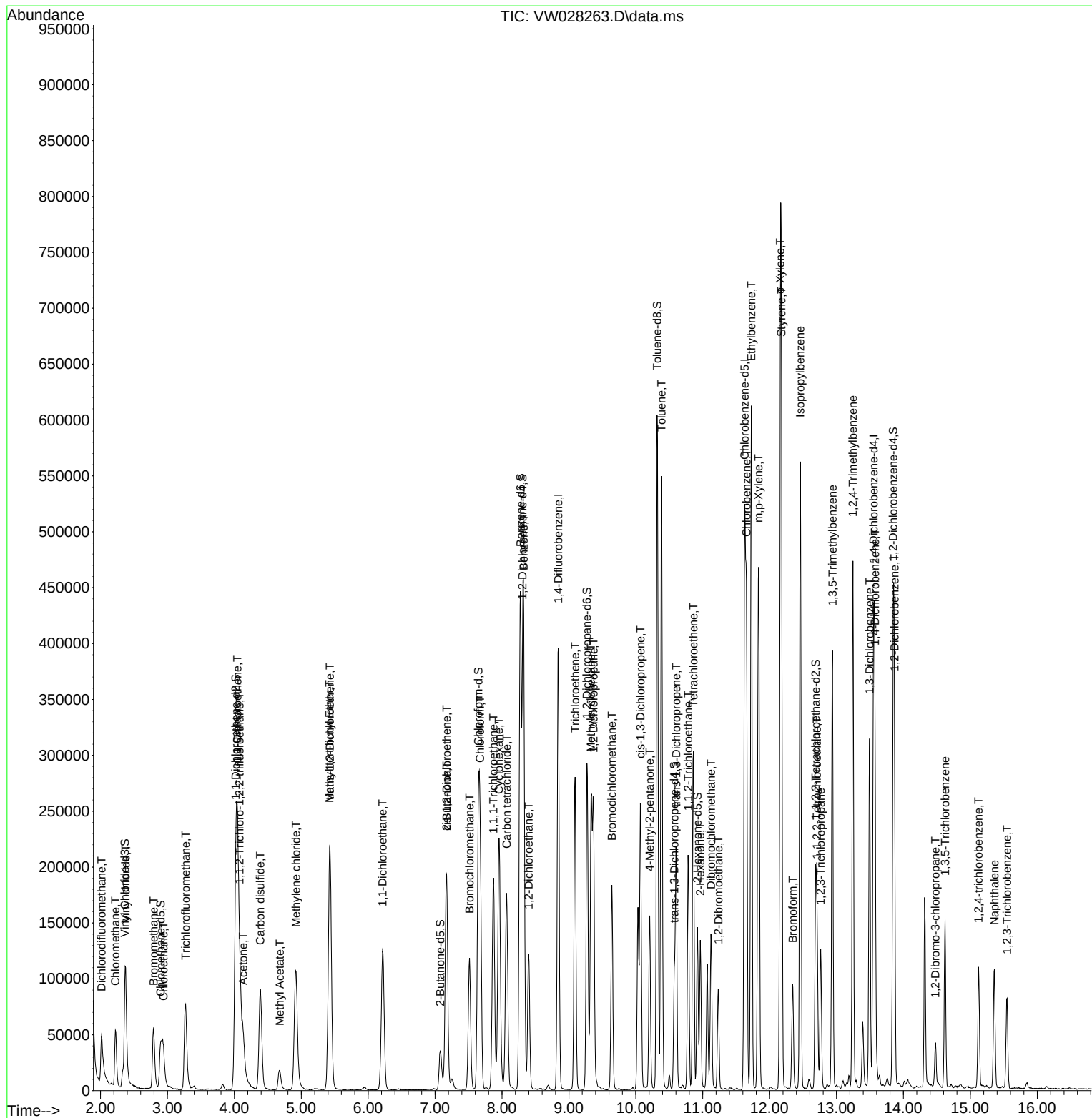
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	115797	17.994	ug/L #	95
29) Cyclohexane	7.953	56	134700	19.771	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	155254	22.675	ug/L	99
31) Carbon tetrachloride	8.069	117	141277	21.997	ug/L	95
33) Benzene	8.325	78	375541	23.365	ug/L	100
34) Trichloroethene	9.093	95	97797	21.809	ug/L	97
35) Methylcyclohexane	9.331	83	102951	13.582	ug/L	99
37) 1,2-Dichloropropane	9.367	63	95532	23.237	ug/L	100
38) Bromodichloromethane	9.642	83	122236	22.053	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	149271	22.672	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	102129	45.005	ug/L	97
42) Toluene	10.386	91	392629	22.382	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	117665	21.168	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	64364	21.669	ug/L	98
46) Tetrachloroethene	10.861	164	69444	19.212	ug/L	96
48) 2-Hexanone	10.965	43	83260	46.838	ug/L	97
49) Dibromochloromethane	11.123	129	73946	21.020	ug/L	100
50) 1,2-Dibromoethane	11.233	107	59736	21.032	ug/L #	98
51) Chlorobenzene	11.654	112	225238	20.229	ug/L	97
52) Ethylbenzene	11.727	91	413059	20.171	ug/L	100
53) m,p-Xylene	11.837	106	150474	19.527	ug/L	92
54) o-Xylene	12.160	106	142306	19.914	ug/L	94
55) Styrene	12.178	104	234360	19.093	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	66414	19.548	ug/L	97
59) Bromoform	12.349	173	39348	27.901	ug/L	100
60) Isopropylbenzene	12.458	105	356735	25.512	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	50732	28.245	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	206397	21.999	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	247540	21.850	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	124027	19.882	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	121734	19.515	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	105778	19.690	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	10490	24.862	ug/L	99
69) 1,3,5-Trichlorobenzene	14.623	180	45638	10.503	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	34172	9.257	ug/L	97
71) Naphthalene	15.360	128	89123	14.066	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	27710	9.106	ug/L	97

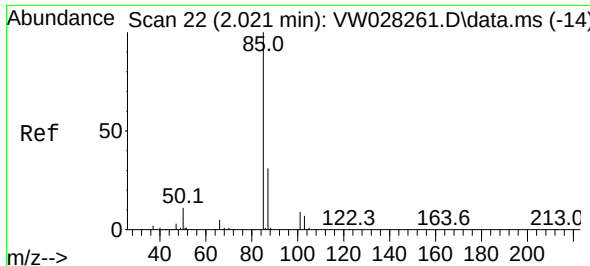
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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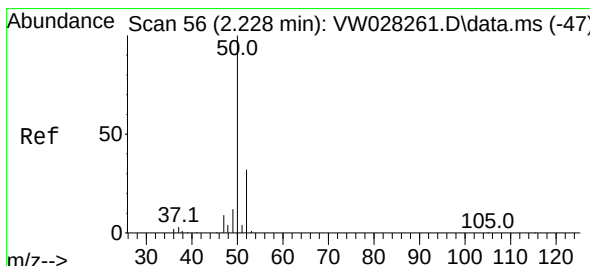
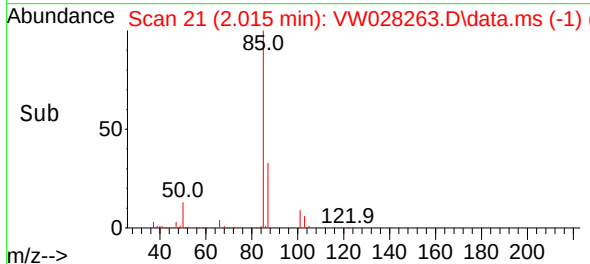
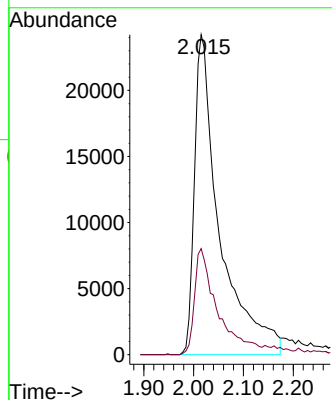
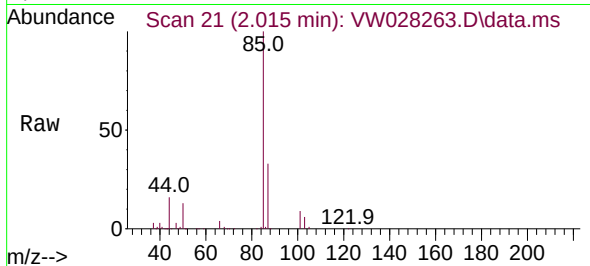




#2
Dichlorodifluoromethane
Concen: 17.539 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

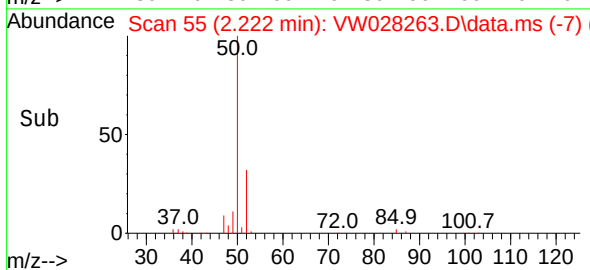
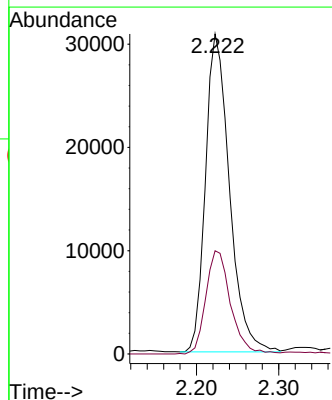
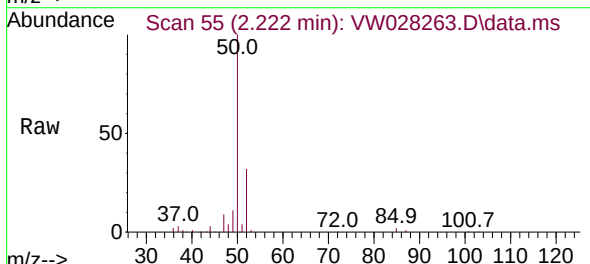
Instrument :
MSVOA_W
ClientSampleId :

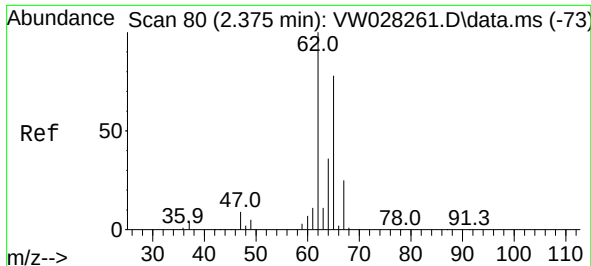
Tgt Ion: 85 Resp: 84772
Ion Ratio Lower Upper
85 100
87 30.6 20.9 31.3



#3
Chloromethane
Concen: 18.200 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion: 50 Resp: 62389
Ion Ratio Lower Upper
50 100
52 32.3 22.7 42.1

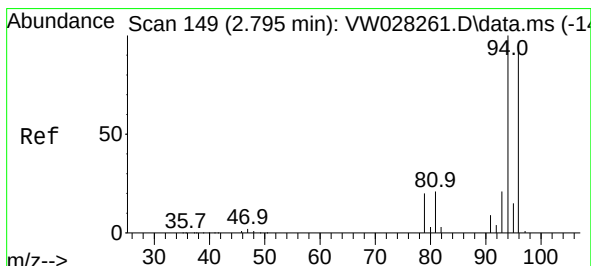
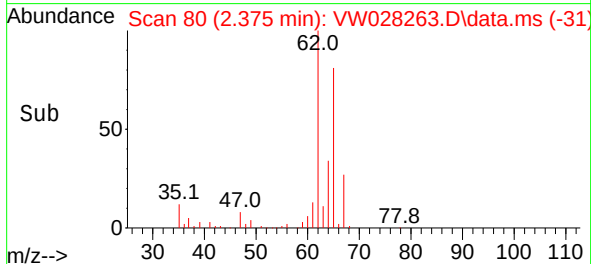
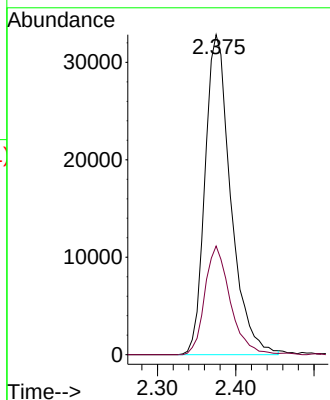
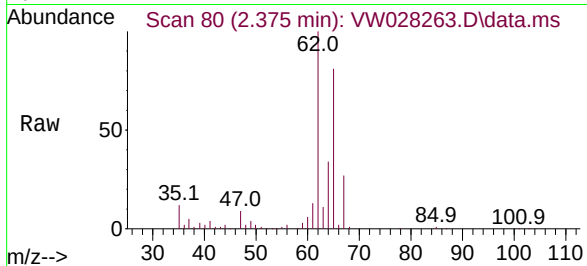




#5
 Vinyl chloride
 Concen: 19.293 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW028263.D
 Acq: 28 Mar 2024 10:44

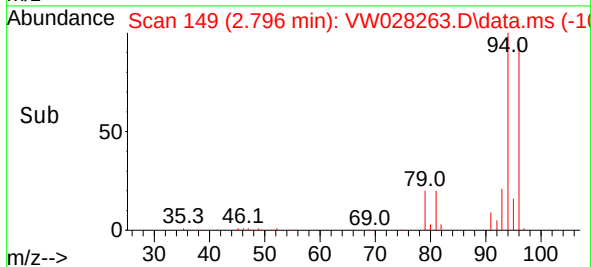
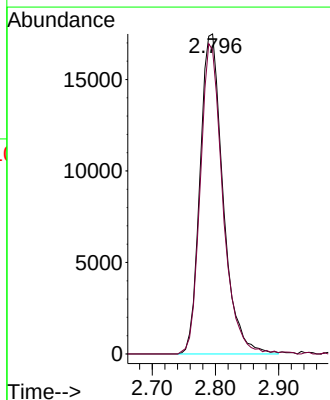
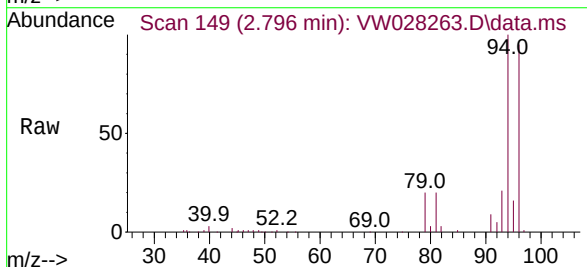
Instrument :
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 ClientSampleId :

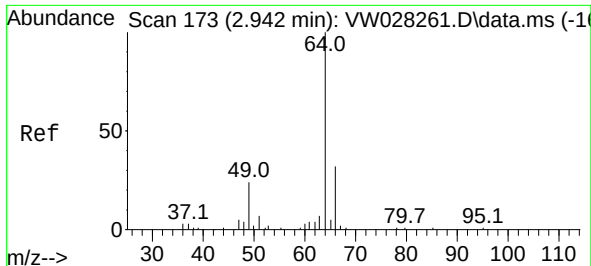
Tgt Ion: 62 Resp: 74759
 Ion Ratio Lower Upper
 62 100
 64 34.0 22.5 41.7



#6
 Bromomethane
 Concen: 19.210 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW028263.D
 Acq: 28 Mar 2024 10:44

Tgt Ion: 94 Resp: 44331
 Ion Ratio Lower Upper
 94 100
 96 95.0 60.8 113.0

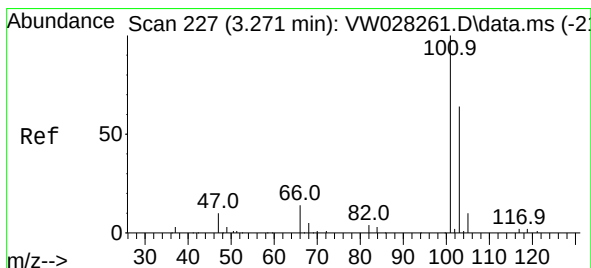
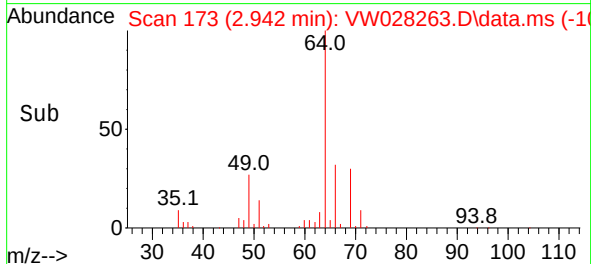
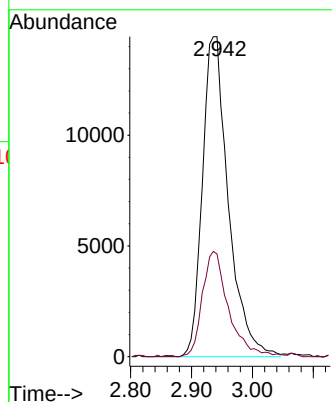
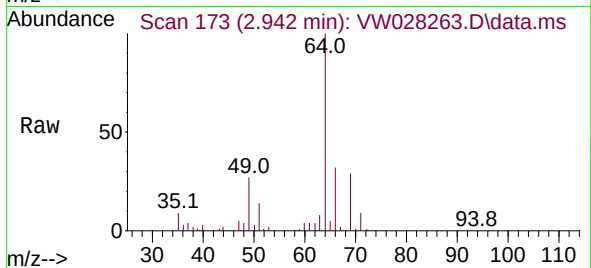




#8
Chloroethane
Concen: 20.543 ug/L
RT: 2.942 min Scan# 173
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

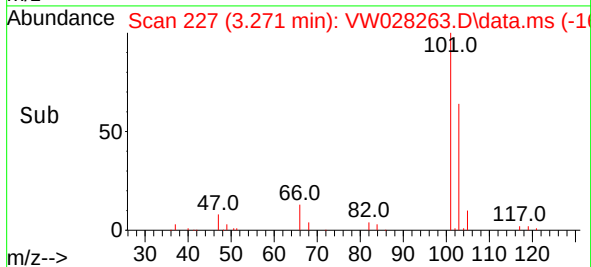
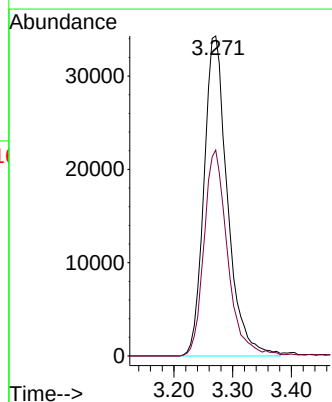
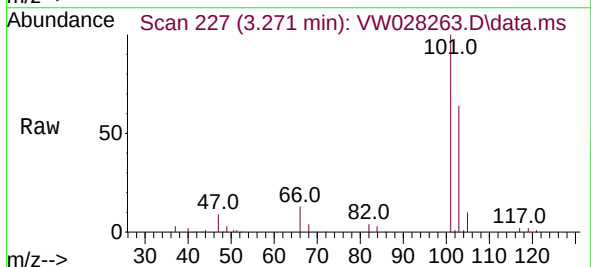
Instrument :
MSVOA_W
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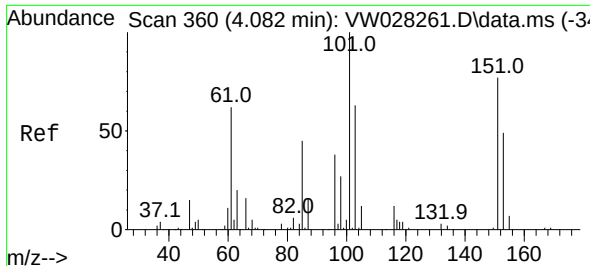
Tgt Ion: 64 Resp: 42786
Ion Ratio Lower Upper
64 100
66 32.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 20.312 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion:101 Resp: 95163
Ion Ratio Lower Upper
101 100
103 63.9 50.9 76.3





#10

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

Concen: 18.721 ug/L

RT: 4.076 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

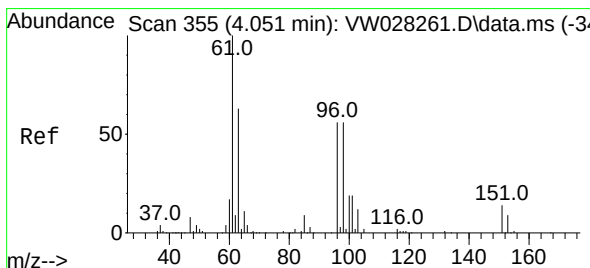
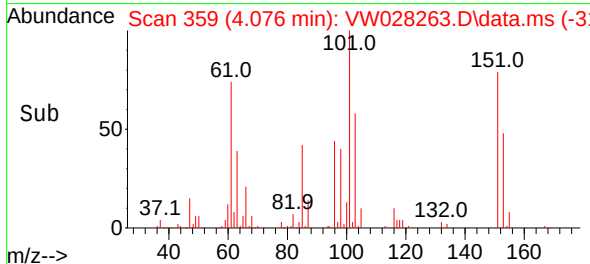
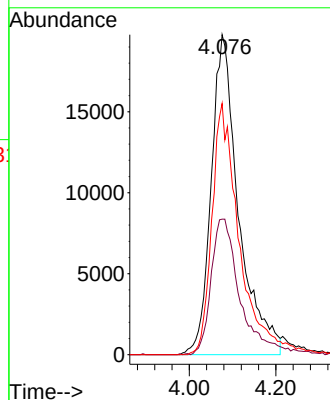
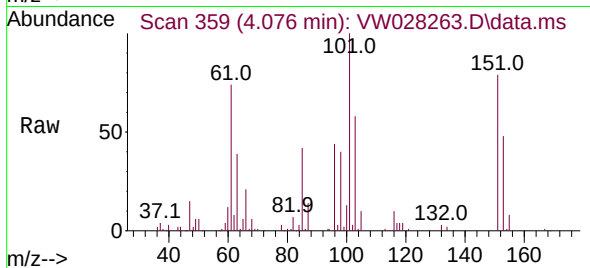
Tgt Ion:101 Resp: 87130

Ion Ratio Lower Upper

101 100

85 40.1 36.4 54.6

151 76.6 58.4 87.6



#12

1,1-Dichloroethene

Concen: 20.247 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

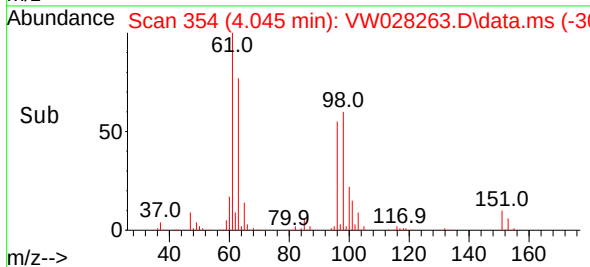
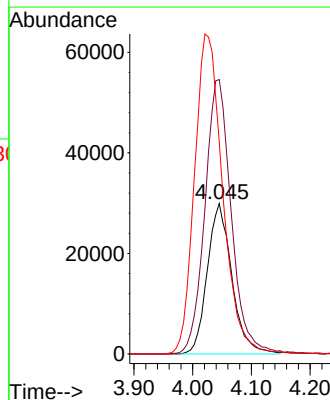
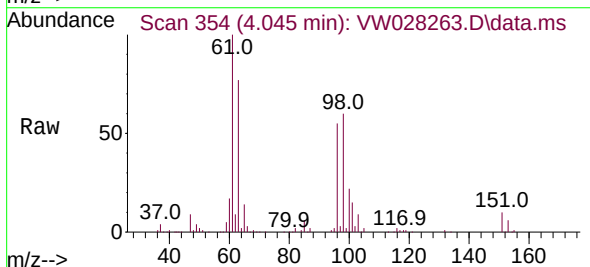
Tgt Ion: 96 Resp: 87109

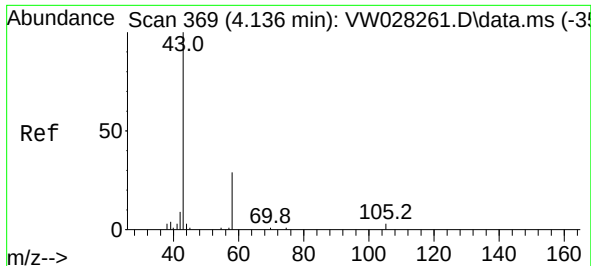
Ion Ratio Lower Upper

96 100

61 182.4 132.2 245.4

63 141.2 104.6 194.2

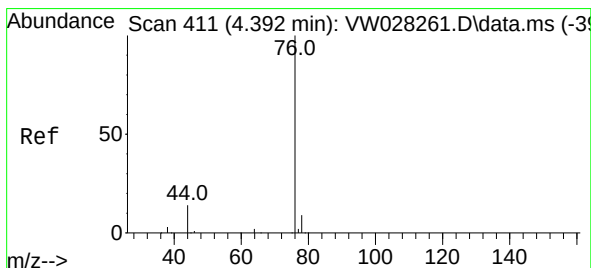
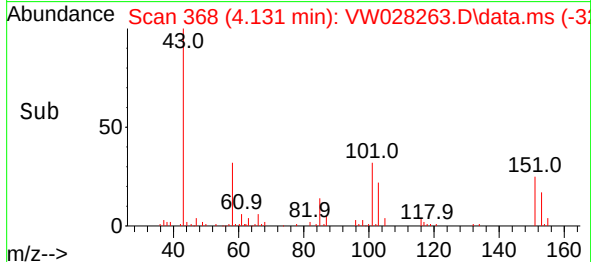
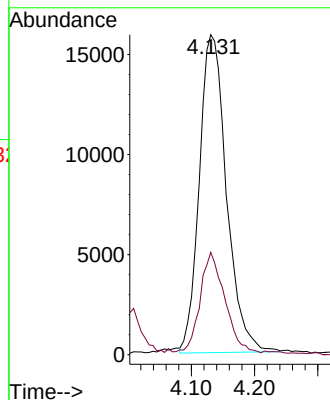
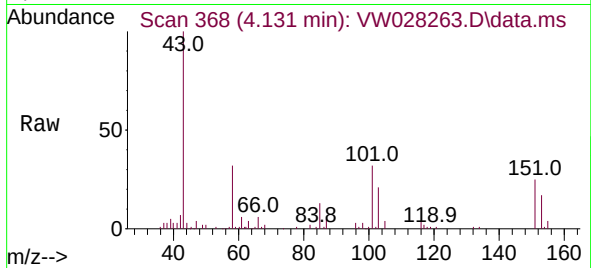




#13
Acetone
Concen: 37.241 ug/L
RT: 4.131 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW028263.D
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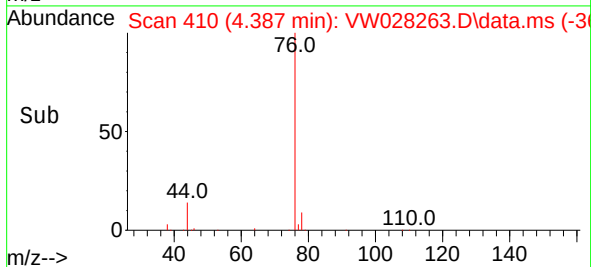
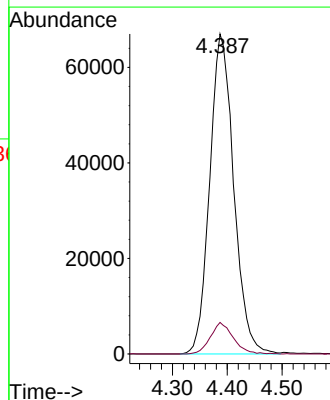
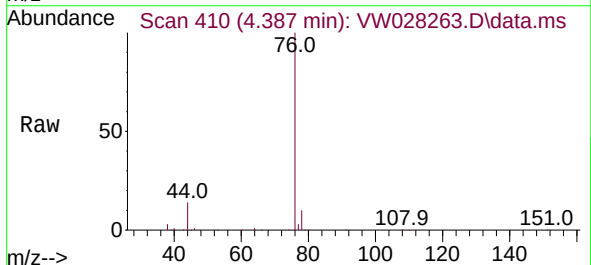
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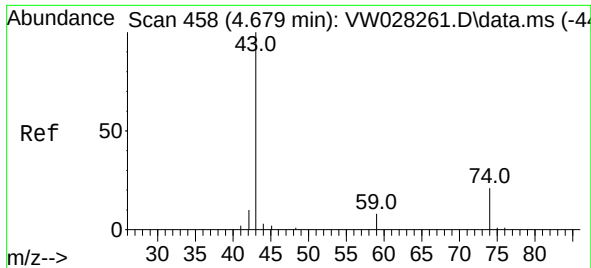
Tgt Ion: 43 Resp: 47543
Ion Ratio Lower Upper
43 100
58 28.9 0.0 57.8



#14
Carbon disulfide
Concen: 15.188 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 203805
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7

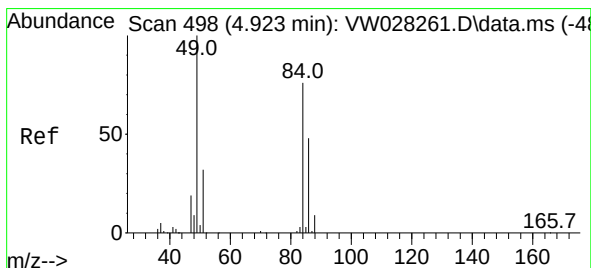
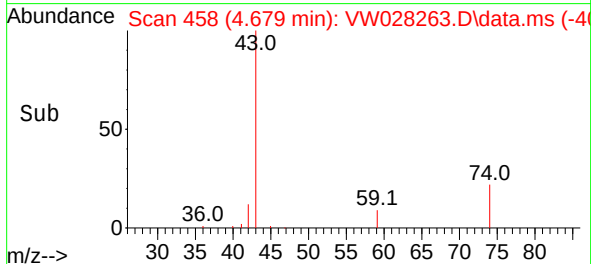
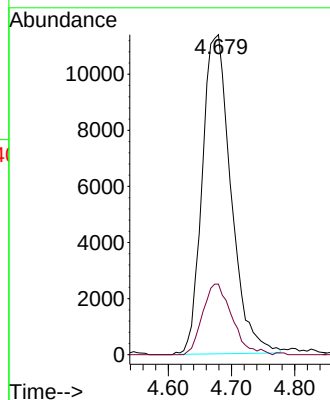
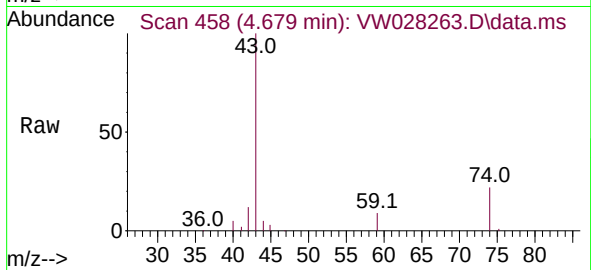




#15
Methyl Acetate
Concen: 18.287 ug/L
RT: 4.679 min Scan# 458
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

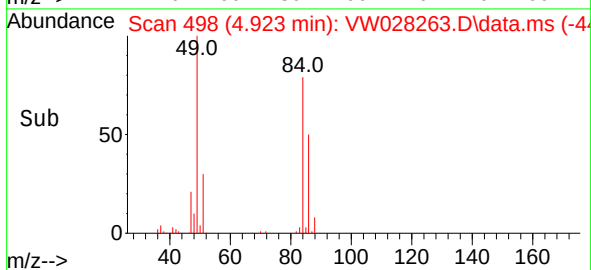
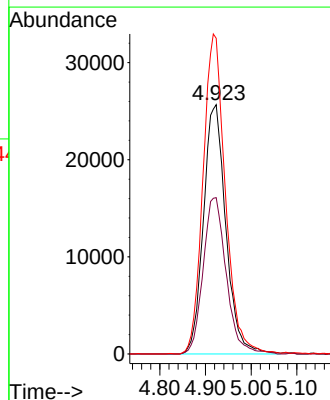
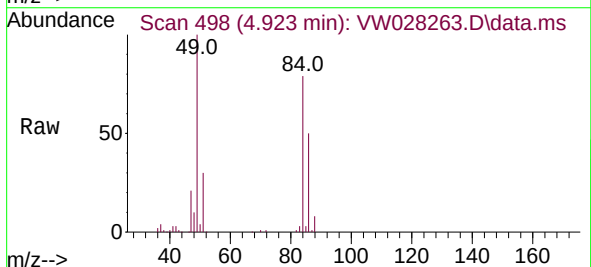
Instrument :
MSVOA_W
ClientSampleId :

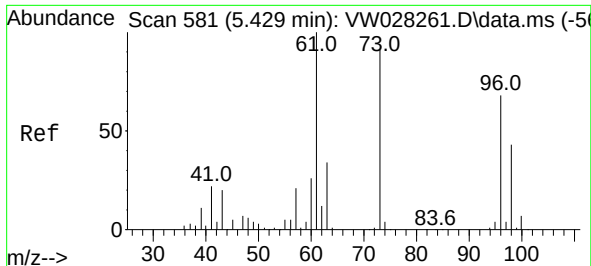
Tgt Ion: 43 Resp: 35960
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.2



#16
Methylene chloride
Concen: 17.260 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion: 84 Resp: 87524
Ion Ratio Lower Upper
84 100
86 62.7 43.1 80.1
49 126.7 89.4 166.0





#17

trans-1,2-Dichloroethene

Concen: 18.445 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

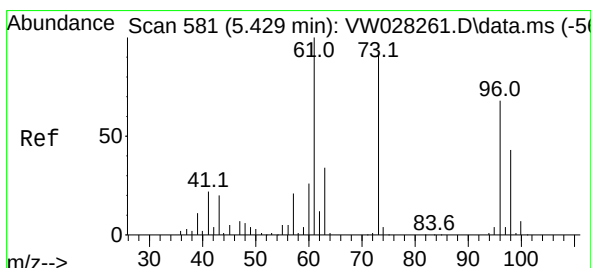
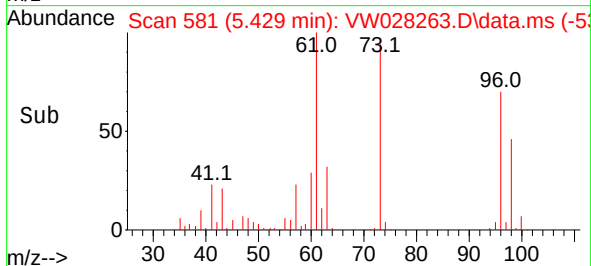
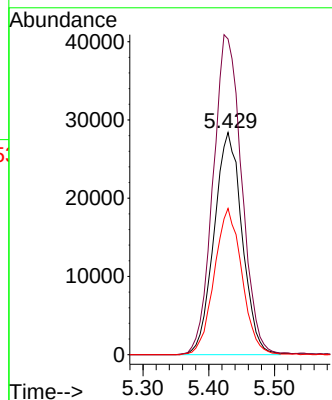
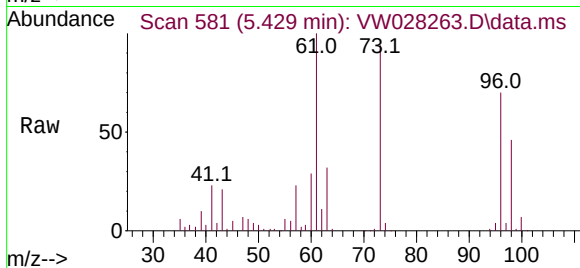
Tgt Ion: 96 Resp: 84337

Ion Ratio Lower Upper

96 100

61 142.1 98.4 182.8

98 65.8 45.6 84.8



#18

Methyl tert-butyl Ether

Concen: 19.630 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

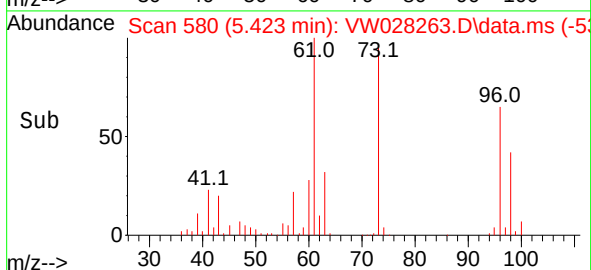
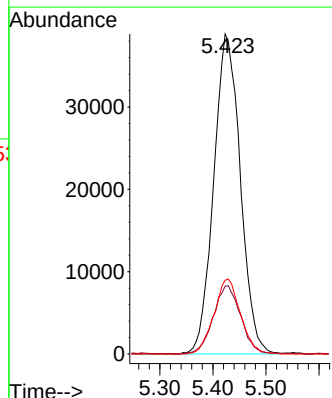
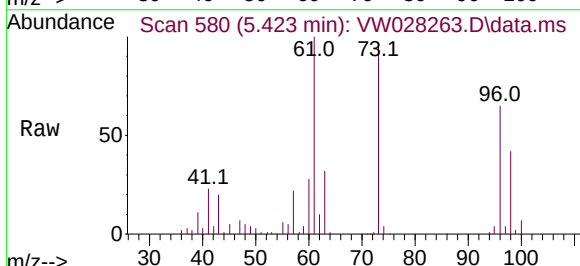
Tgt Ion: 73 Resp: 135416

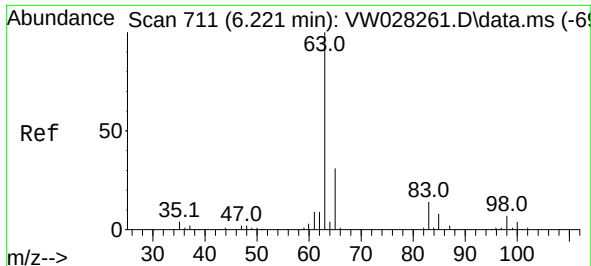
Ion Ratio Lower Upper

73 100

43 22.0 18.2 27.4

57 23.3 17.4 26.2





#19

1,1-Dichloroethane

Concen: 20.255 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

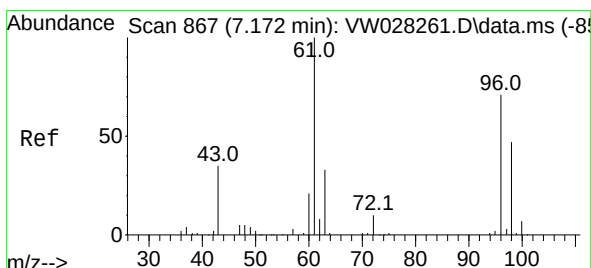
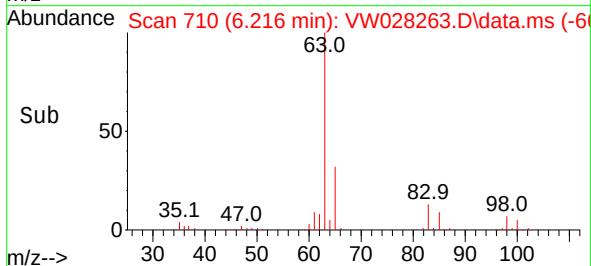
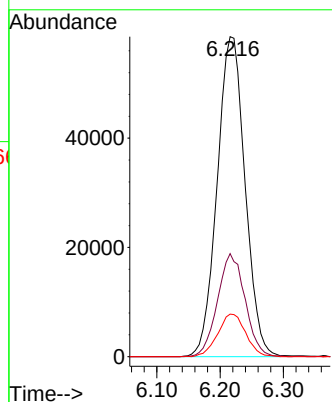
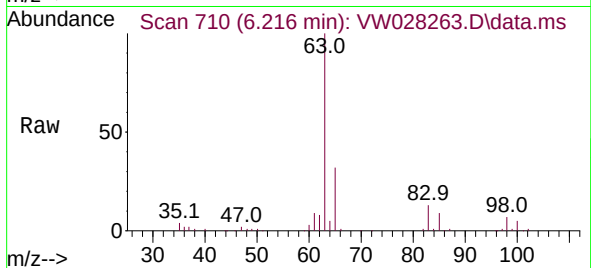
Tgt Ion: 63 Resp: 179289

Ion Ratio Lower Upper

63 100

65 32.2 22.1 41.1

83 13.3 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 19.685 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

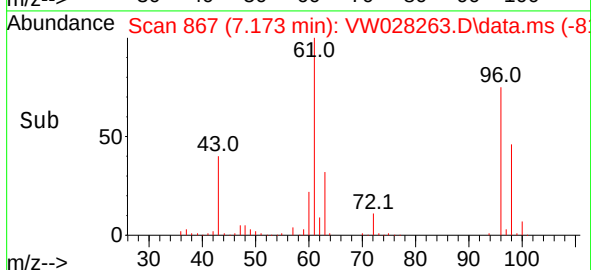
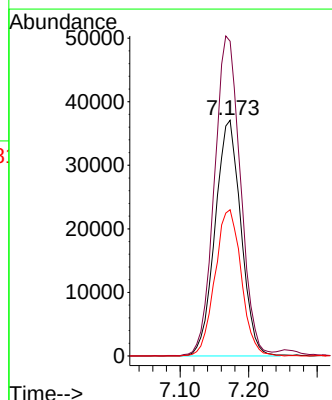
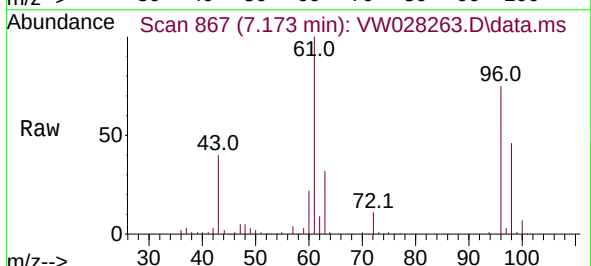
Tgt Ion: 96 Resp: 97206

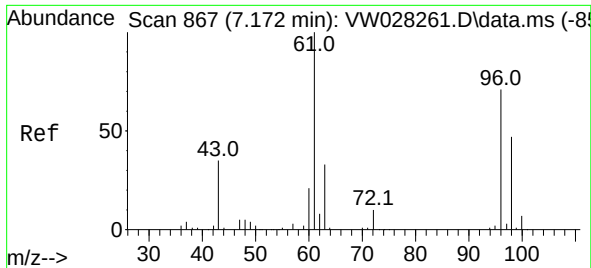
Ion Ratio Lower Upper

96 100

61 133.5 95.7 177.7

98 62.0 43.9 81.5





#22

2-Butanone

Concen: 37.792 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

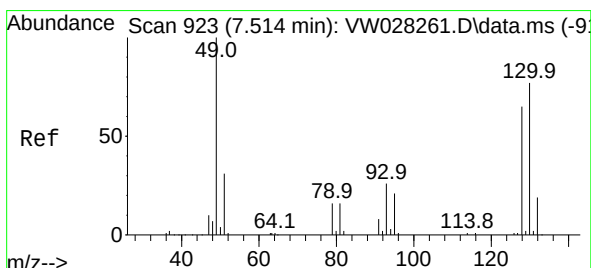
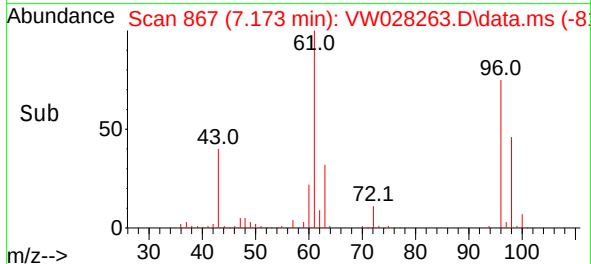
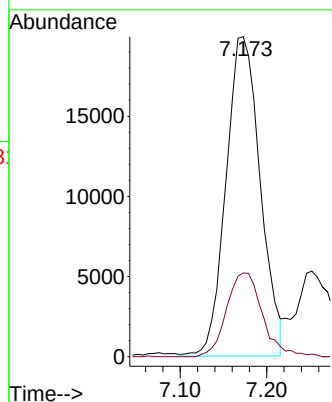
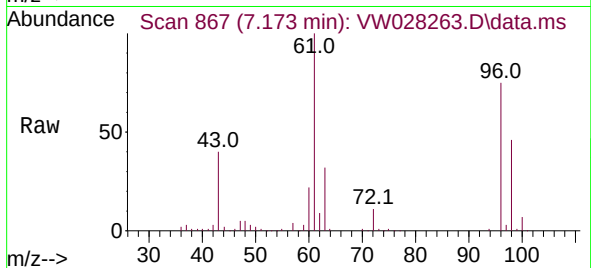
ClientSampleId :

Tgt Ion: 43 Resp: 54777

Ion Ratio Lower Upper

43 100

72 27.4 12.8 38.4



#23

Bromochloromethane

Concen: 19.171 ug/L

RT: 7.514 min Scan# 923

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Tgt Ion: 128 Resp: 41852

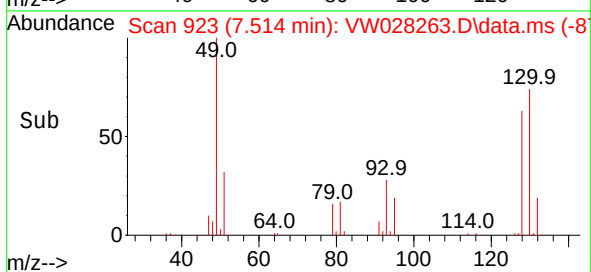
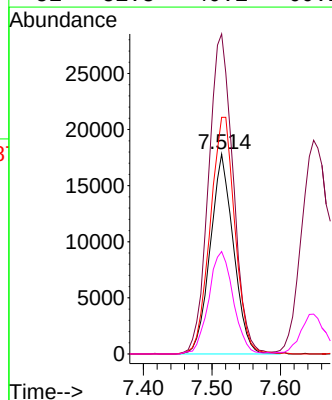
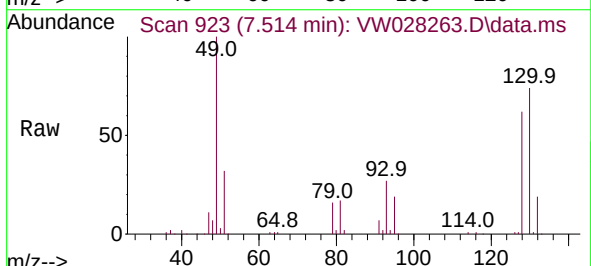
Ion Ratio Lower Upper

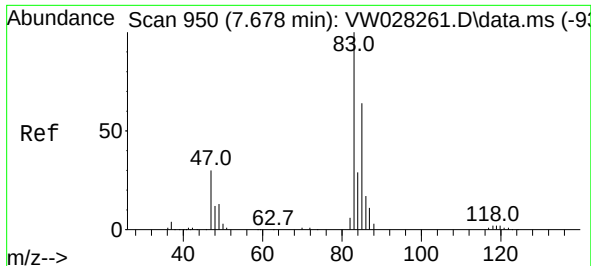
128 100

49 160.2 116.6 216.6

130 118.4 80.1 148.7

51 51.3 40.1 60.1





#25

Chloroform

Concen: 19.782 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

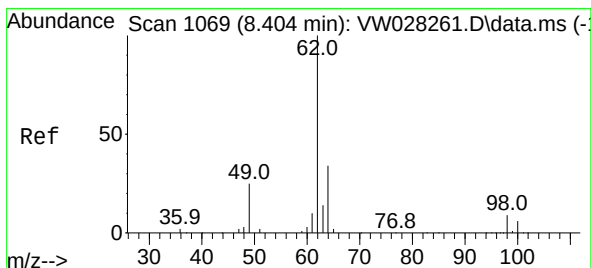
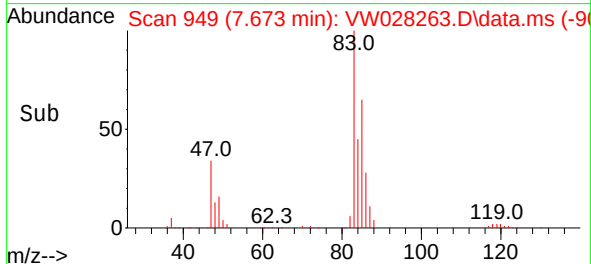
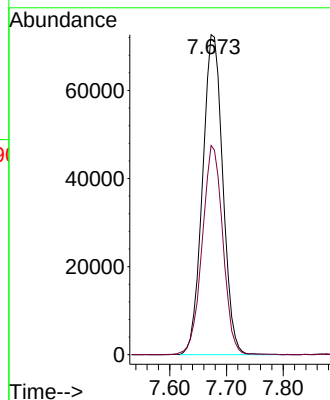
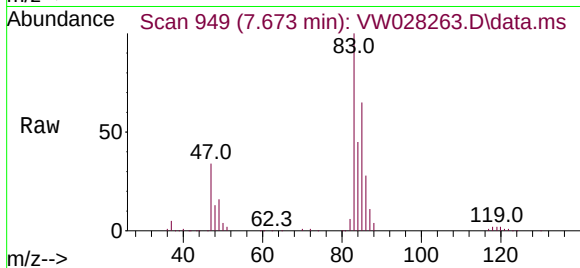
ClientSampleId :

Tgt Ion: 83 Resp: 180264

Ion Ratio Lower Upper

83 100

85 65.3 44.5 82.7



#27

1,2-Dichloroethane

Concen: 17.994 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VW028263.D

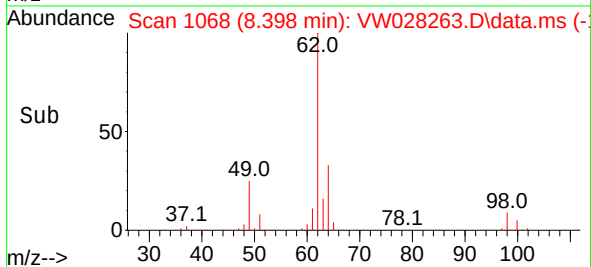
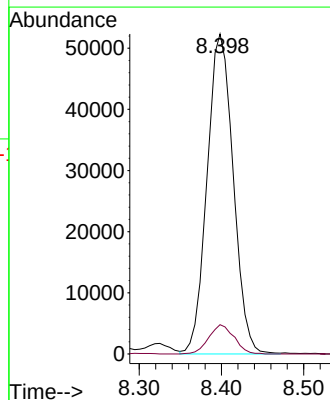
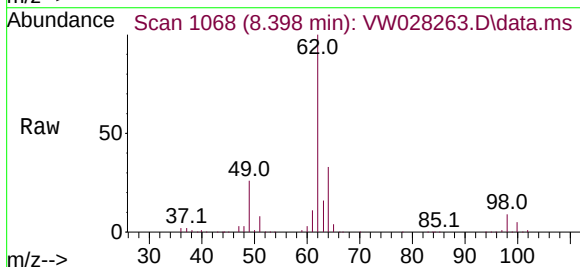
Acq: 28 Mar 2024 10:44

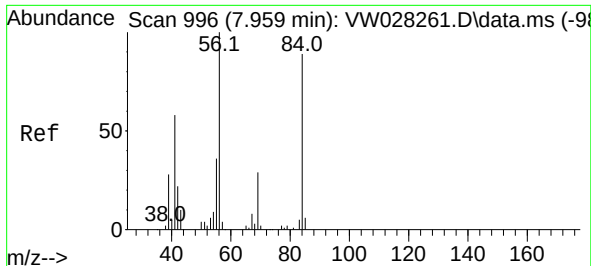
Tgt Ion: 62 Resp: 115797

Ion Ratio Lower Upper

62 100

98 9.1 5.9 8.9#





#29

Cyclohexane

Concen: 19.771 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

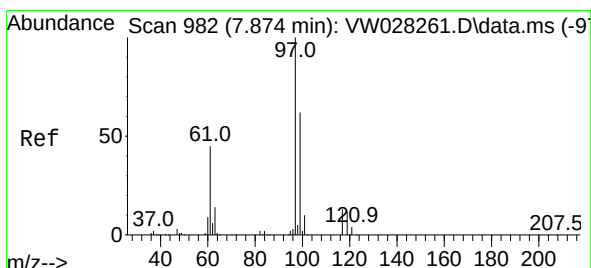
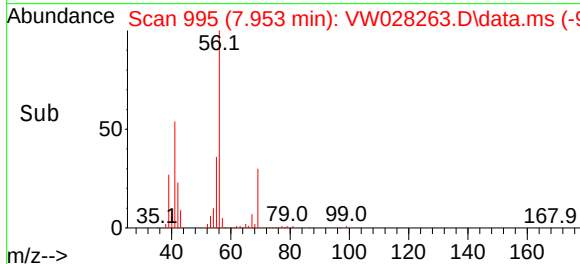
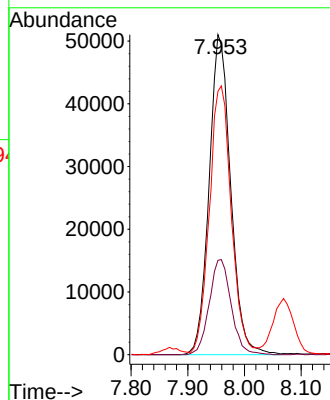
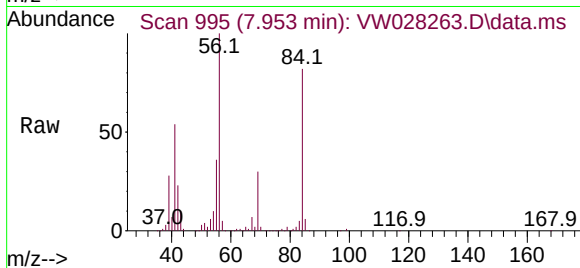
Tgt Ion: 56 Resp: 134700

Ion Ratio Lower Upper

56 100

69 30.2 24.0 36.0

84 85.3 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 22.675 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

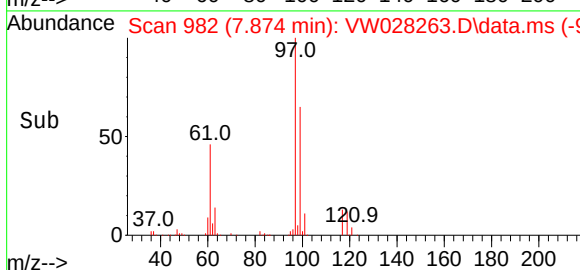
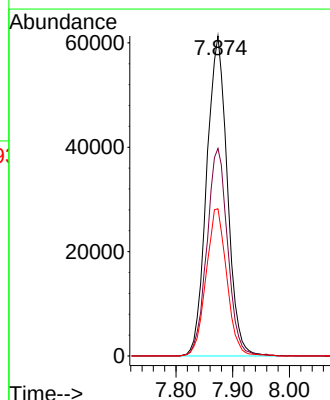
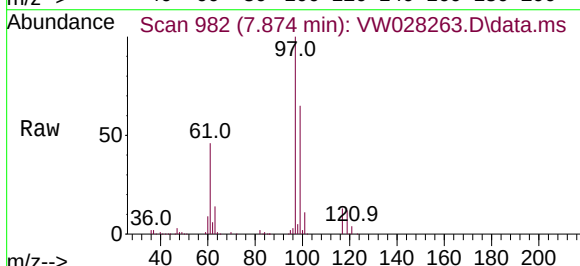
Tgt Ion: 97 Resp: 155254

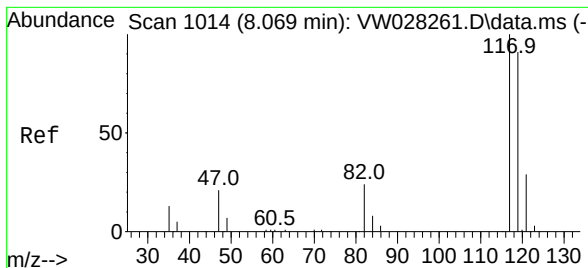
Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 46.1 37.0 55.6





#31

Carbon tetrachloride

Concen: 21.997 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

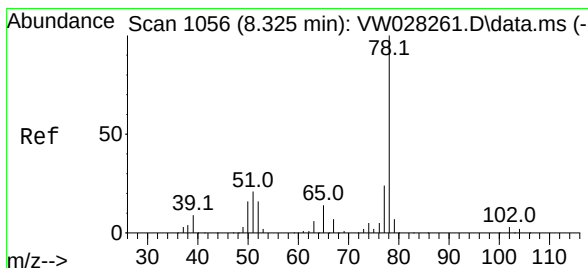
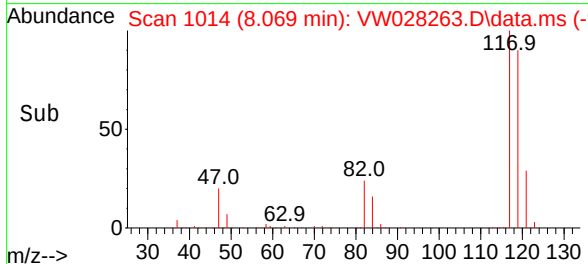
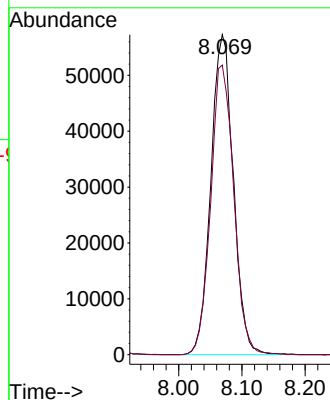
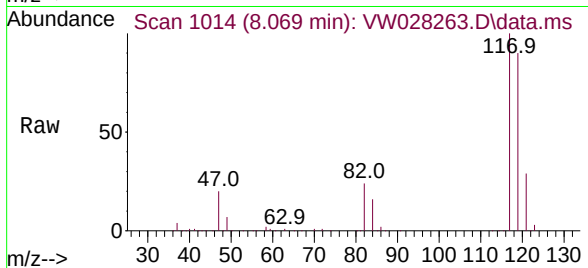
ClientSampleId :

Tgt Ion:117 Resp: 141277

Ion Ratio Lower Upper

117 100

119 92.9 78.2 117.4



#33

Benzene

Concen: 23.365 ug/L

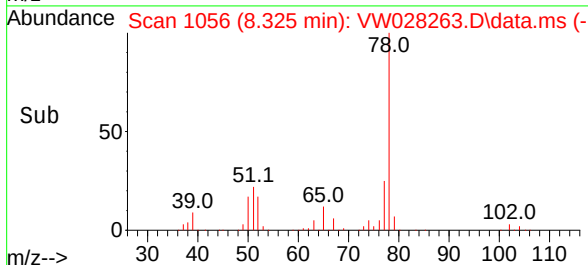
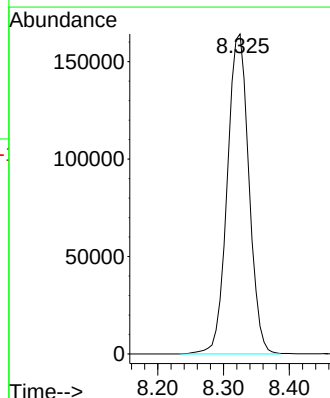
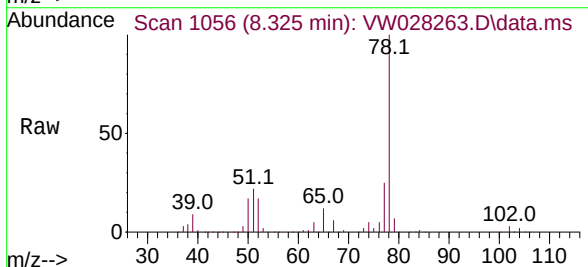
RT: 8.325 min Scan# 1056

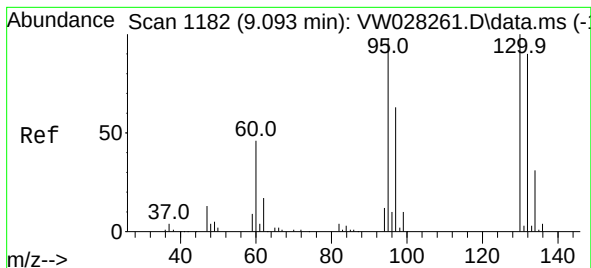
Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Tgt Ion: 78 Resp: 375541





#34

Trichloroethene

Concen: 21.809 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 97797

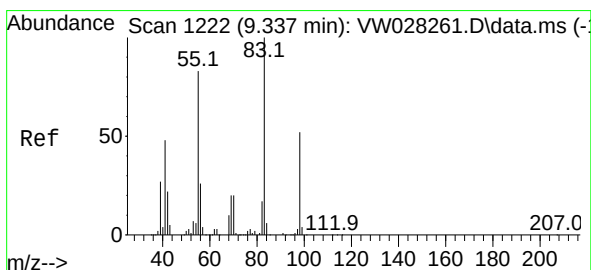
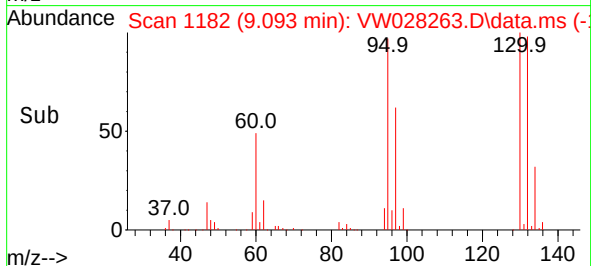
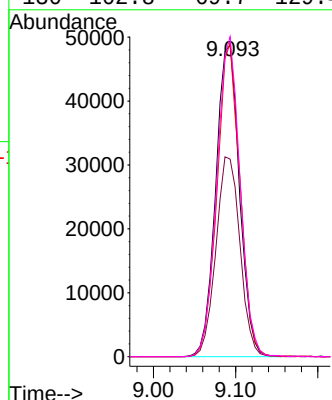
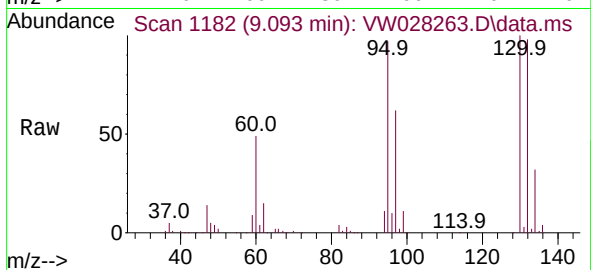
Ion Ratio Lower Upper

95 100

97 63.4 42.4 78.6

132 100.7 69.4 128.8

130 102.8 69.7 129.4



#35

Methylcyclohexane

Concen: 13.582 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

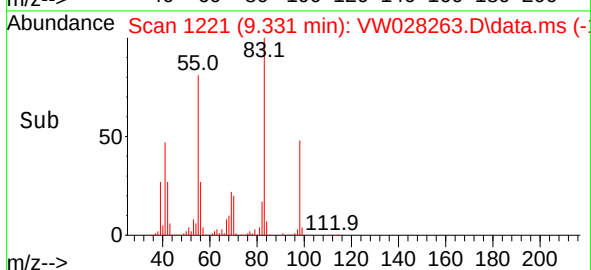
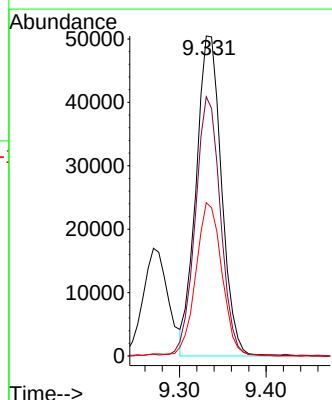
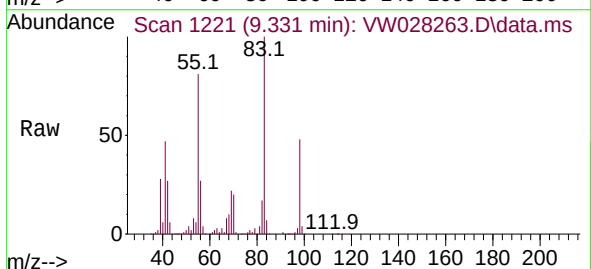
Tgt Ion: 83 Resp: 102951

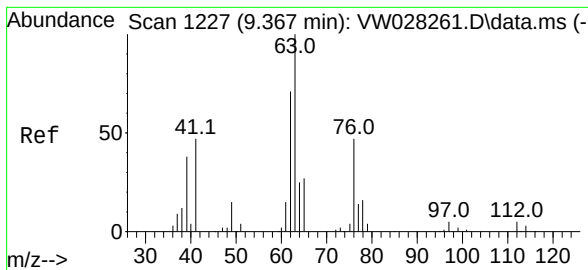
Ion Ratio Lower Upper

83 100

55 80.2 64.2 96.4

98 48.9 38.3 57.5

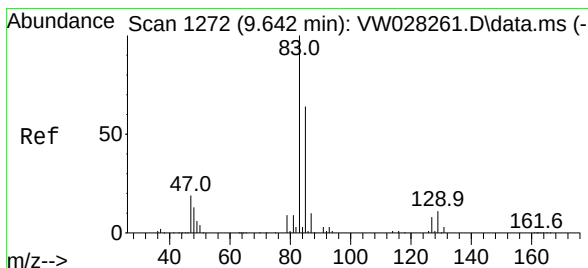
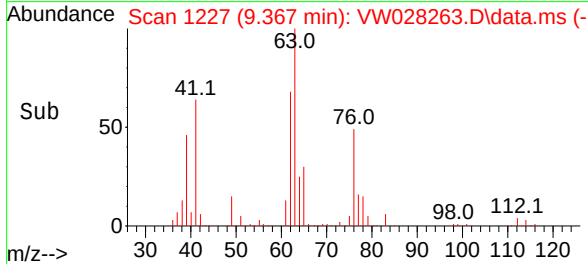
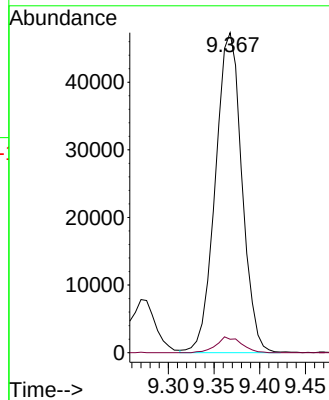
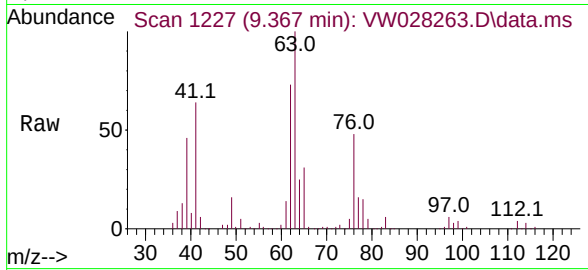




#37
1,2-Dichloropropane
Concen: 23.237 ug/L
RT: 9.367 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

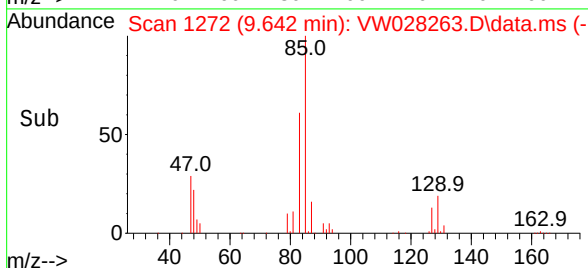
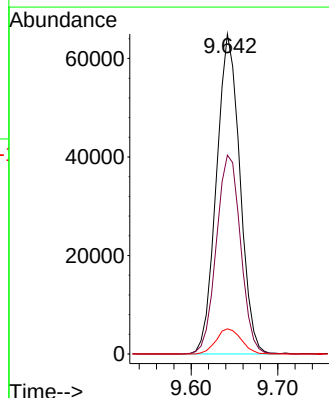
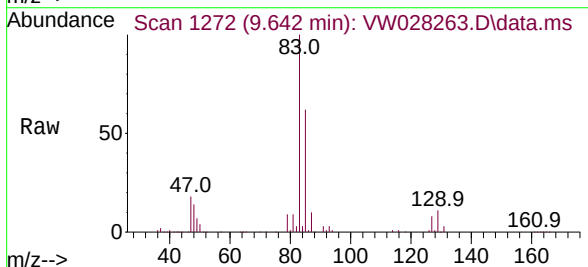
Instrument :
MSVOA_W
ClientSampleId :

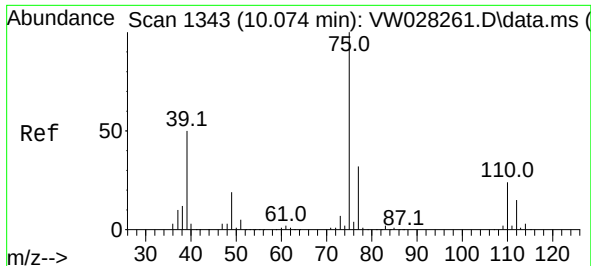
Tgt Ion: 63 Resp: 95532
Ion Ratio Lower Upper
63 100
112 4.7 3.8 5.8



#38
Bromodichloromethane
Concen: 22.053 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion: 83 Resp: 122236
Ion Ratio Lower Upper
83 100
85 62.1 45.8 85.2
127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 22.672 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

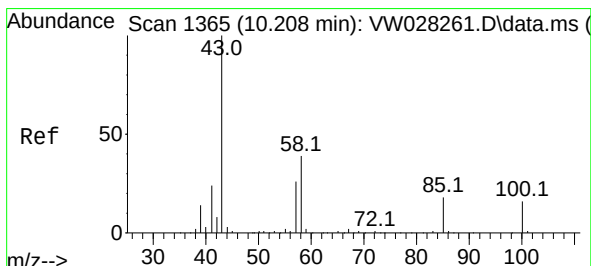
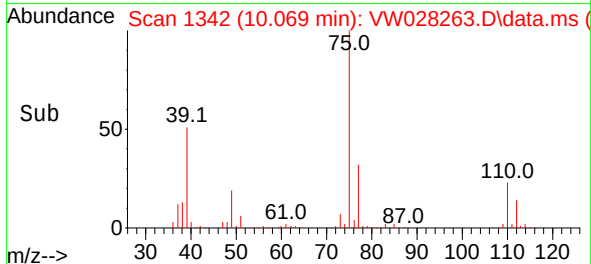
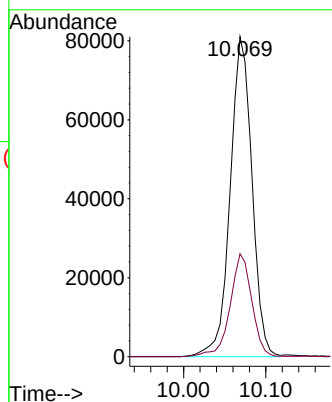
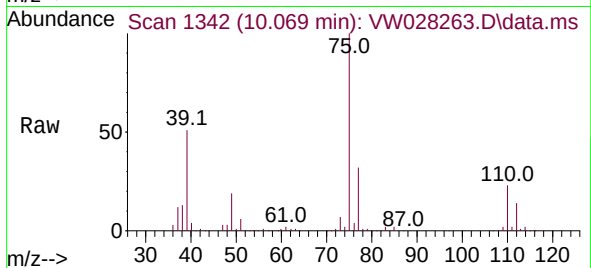
ClientSampleId :

Tgt Ion: 75 Resp: 149271

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 45.005 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

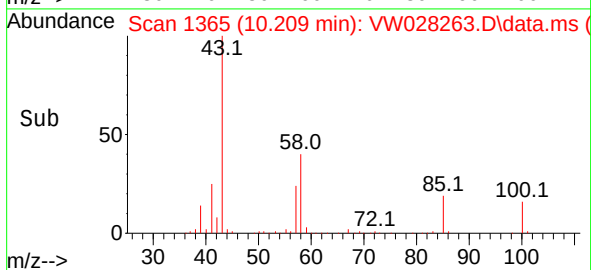
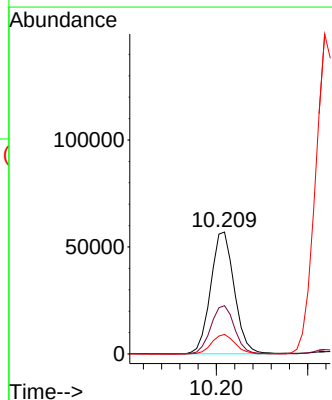
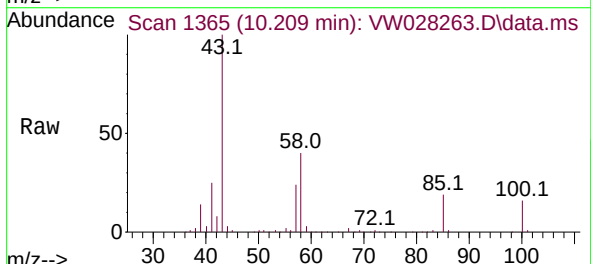
Tgt Ion: 43 Resp: 102129

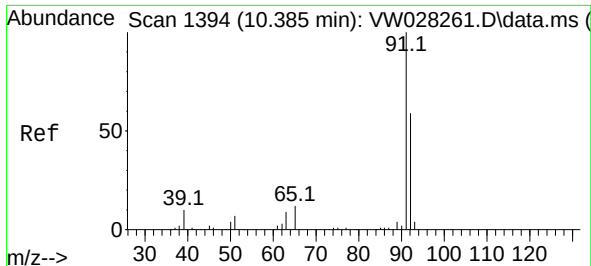
Ion Ratio Lower Upper

43 100

58 39.9 30.1 45.1

100 15.8 11.8 17.8





#42

Toluene

Concen: 22.382 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

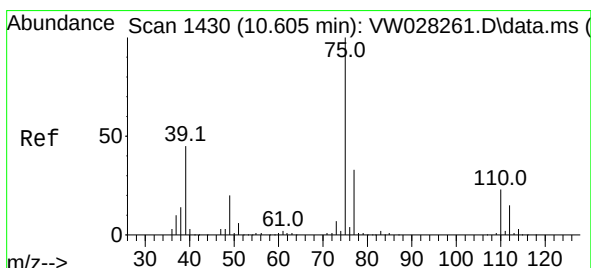
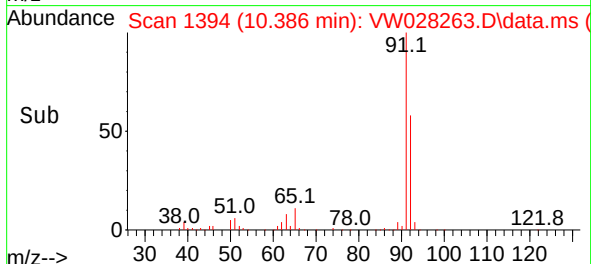
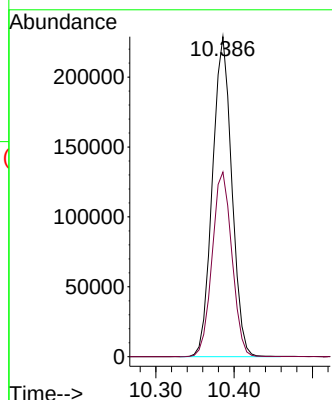
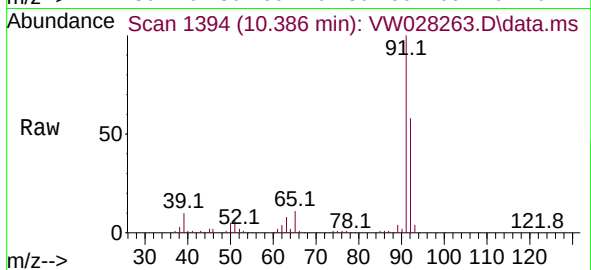
ClientSampleId :

Tgt Ion: 91 Resp: 392629

Ion Ratio Lower Upper

91 100

92 57.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 21.168 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028263.D

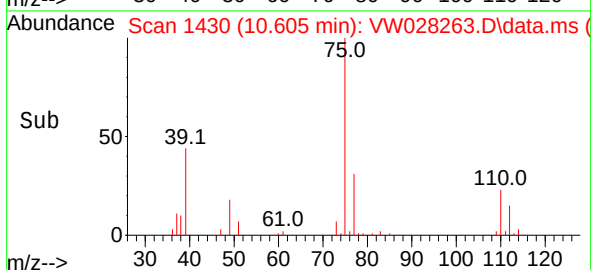
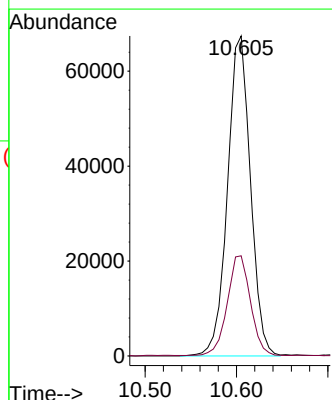
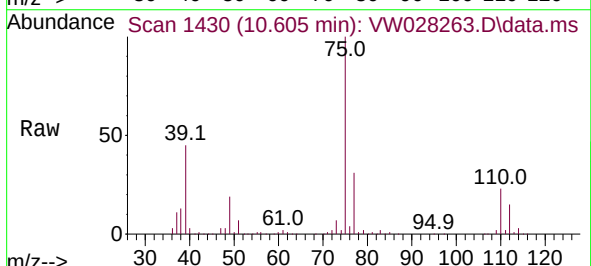
Acq: 28 Mar 2024 10:44

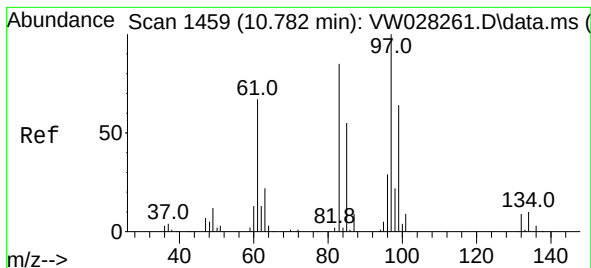
Tgt Ion: 75 Resp: 117665

Ion Ratio Lower Upper

75 100

77 31.3 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 21.669 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 64364

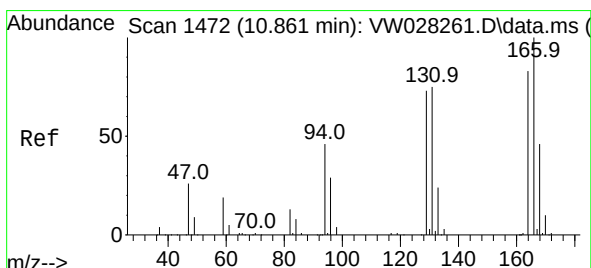
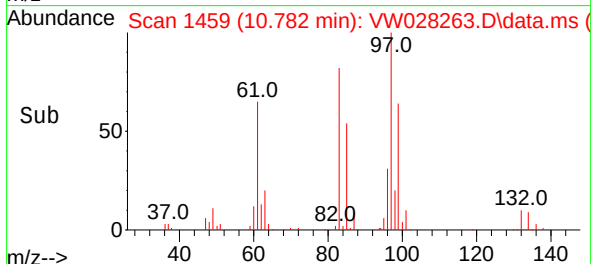
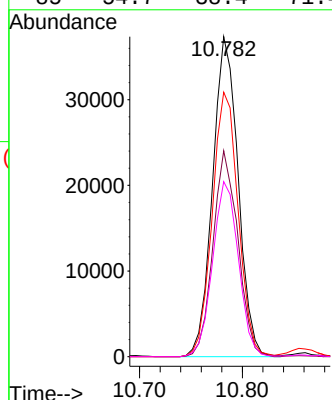
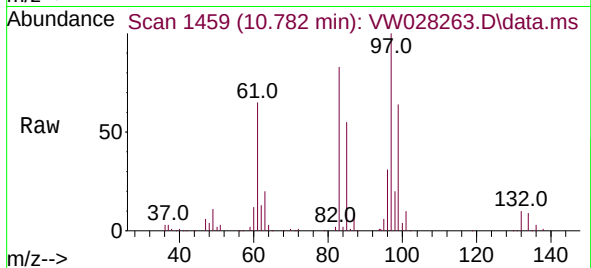
Ion Ratio Lower Upper

97 100

99 64.3 43.4 80.6

83 82.7 59.4 110.4

85 54.7 38.4 71.4



#46

Tetrachloroethene

Concen: 19.212 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Tgt Ion:164 Resp: 69444

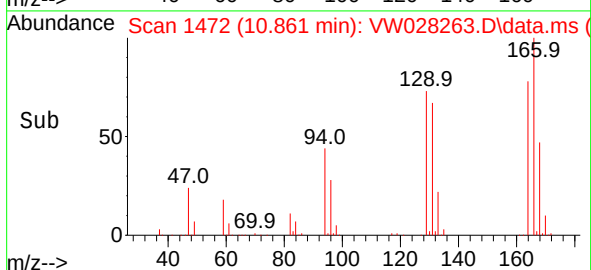
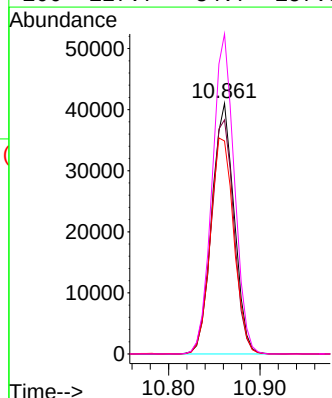
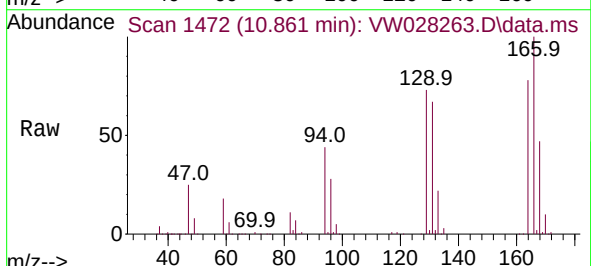
Ion Ratio Lower Upper

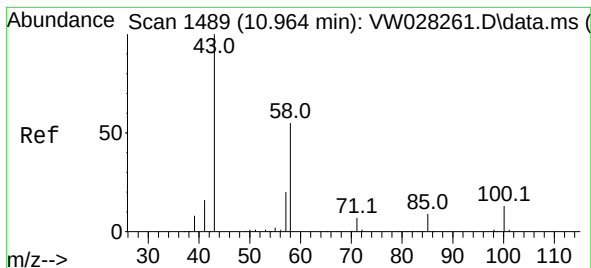
164 100

129 93.4 64.0 119.0

131 85.0 62.6 116.3

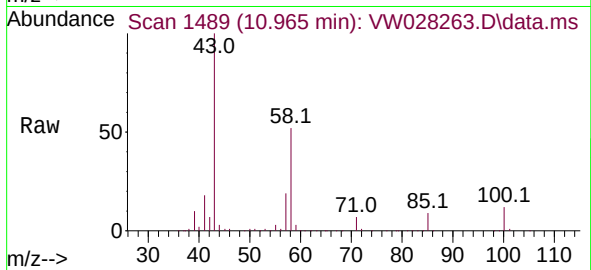
166 127.7 84.7 157.3



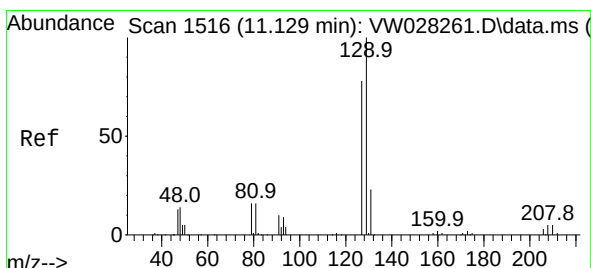
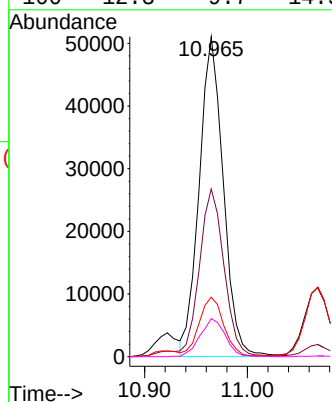
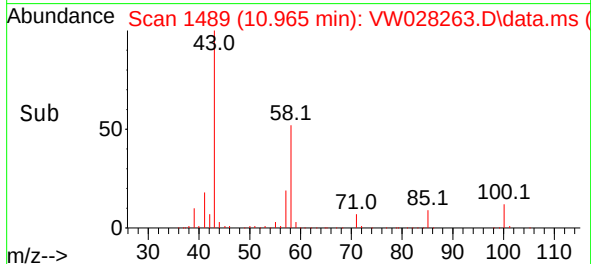


#48
2-Hexanone
Concen: 46.838 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Instrument :
MSVOA_W
ClientSampleId :

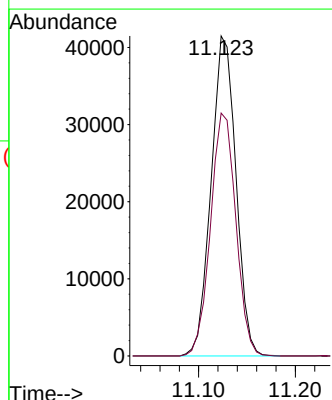
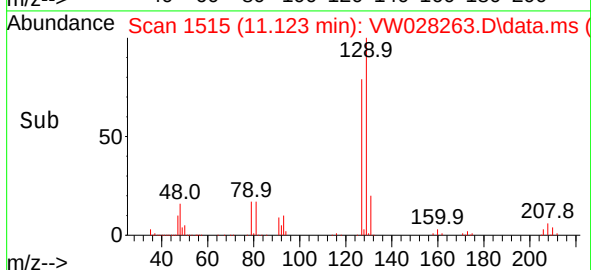
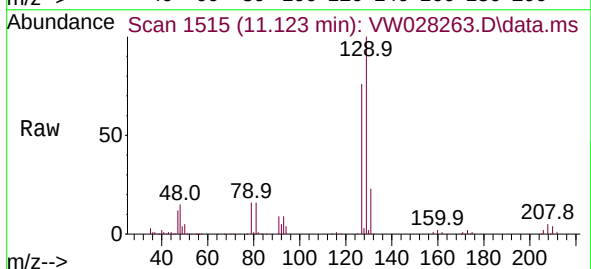


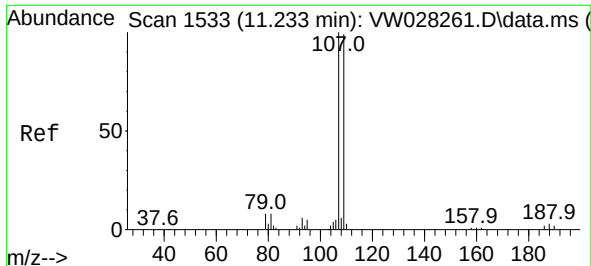
Tgt Ion: 43 Resp: 83260
Ion Ratio Lower Upper
43 100
58 53.8 40.6 61.0
57 19.2 15.7 23.5
100 12.3 9.7 14.5



#49
Dibromochloromethane
Concen: 21.020 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion:129 Resp: 73946
Ion Ratio Lower Upper
129 100
127 75.9 53.1 98.7





#50

1,2-Dibromoethane

Concen: 21.032 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

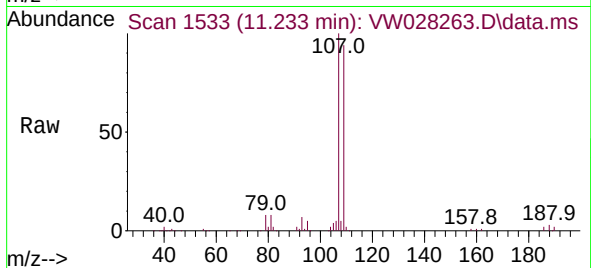
Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

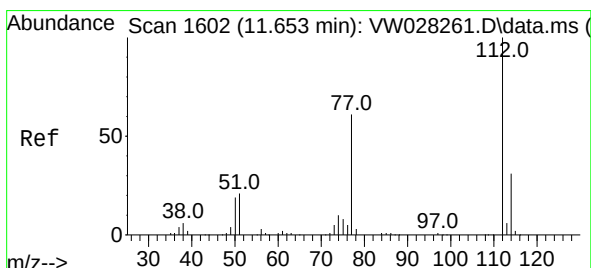
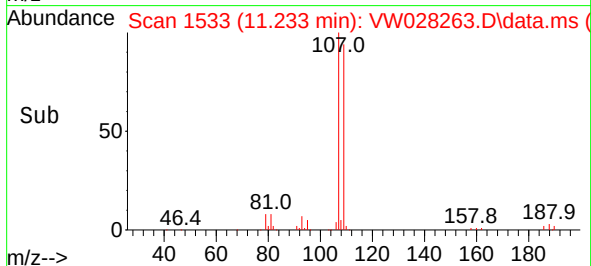
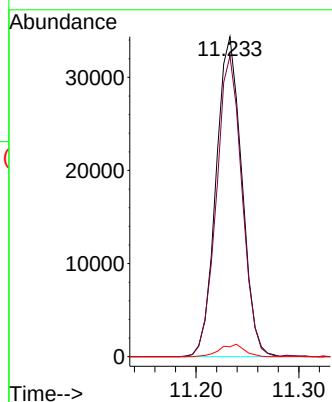
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	107	Resp:	59736
Ion Ratio	Lower	Upper	
107	100		
109	94.0	64.4	119.6
188	3.1	3.4	5.2#



#51

Chlorobenzene

Concen: 20.229 ug/L

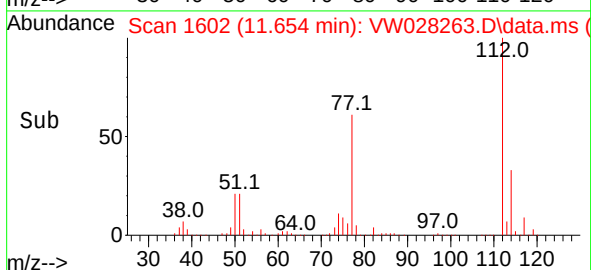
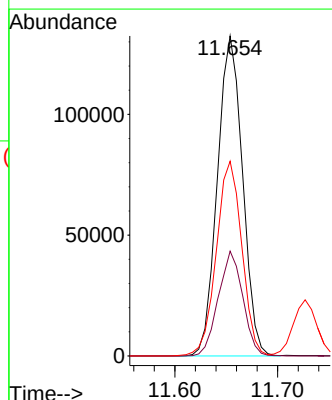
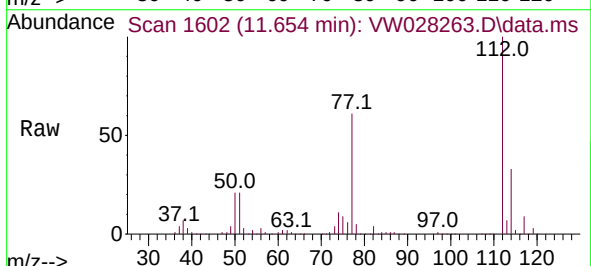
RT: 11.654 min Scan# 1602

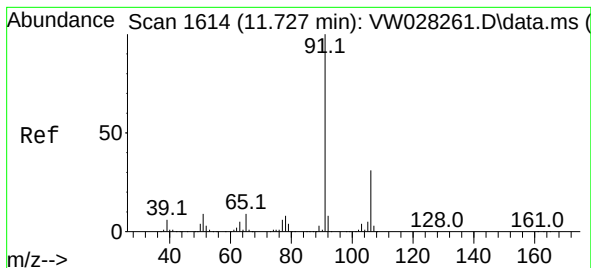
Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Tgt Ion:	112	Resp:	225238
Ion Ratio	Lower	Upper	
112	100		
114	32.7	21.8	40.6
77	60.9	50.6	76.0





#52

Ethylbenzene

Concen: 20.171 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

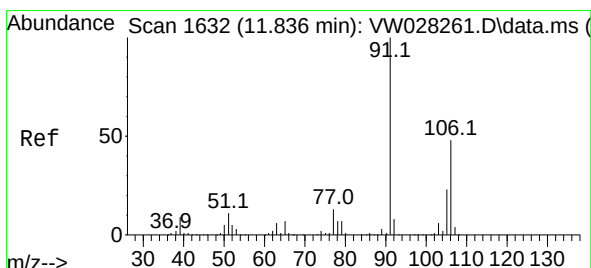
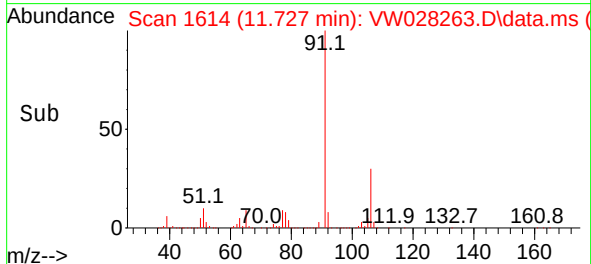
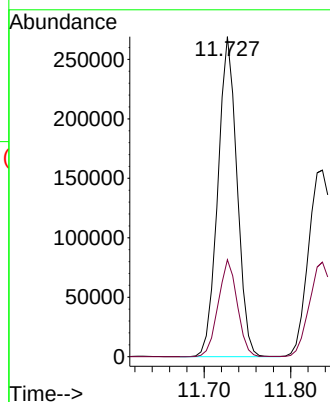
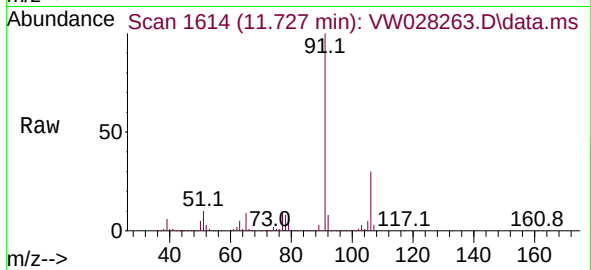
ClientSampleId :

Tgt Ion: 91 Resp: 413059

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



#53

m,p-Xylene

Concen: 19.527 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028263.D

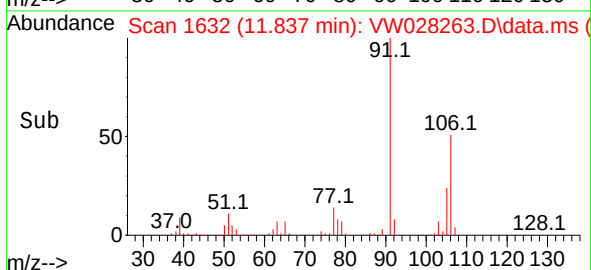
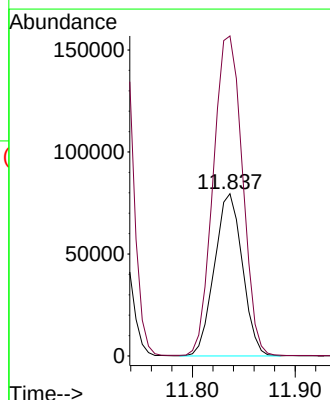
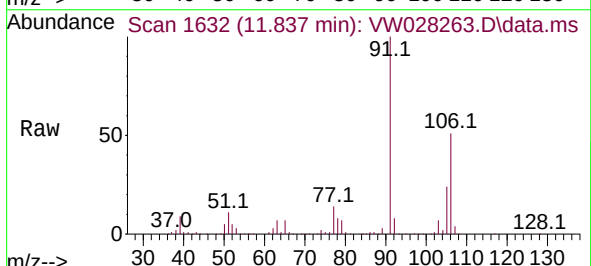
Acq: 28 Mar 2024 10:44

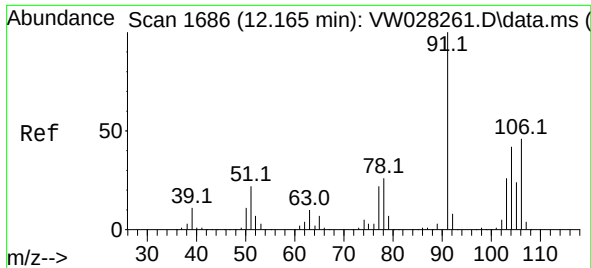
Tgt Ion:106 Resp: 150474

Ion Ratio Lower Upper

106 100

91 197.3 147.1 273.1

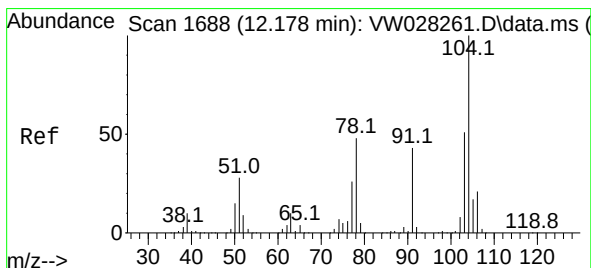
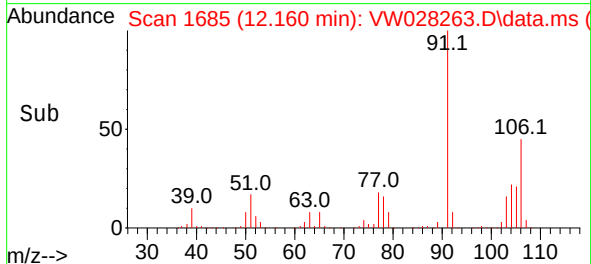
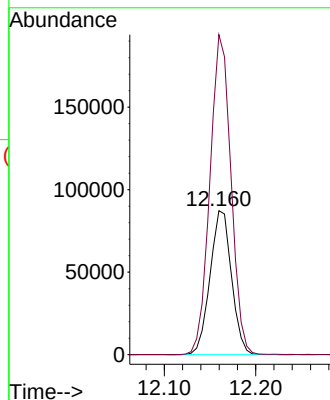
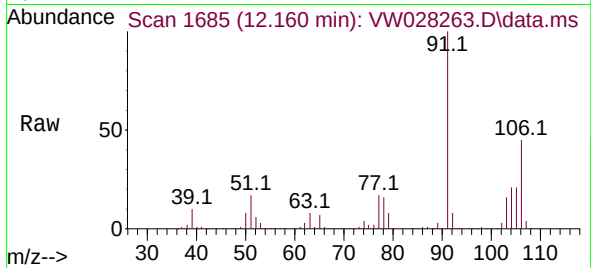




#54
o-Xylene
Concen: 19.914 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

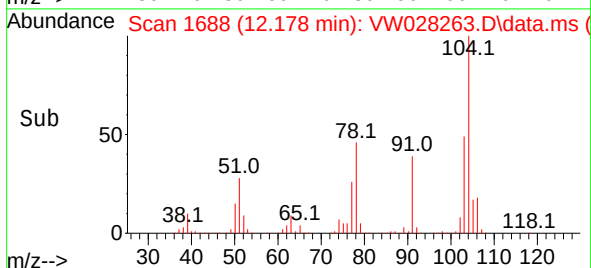
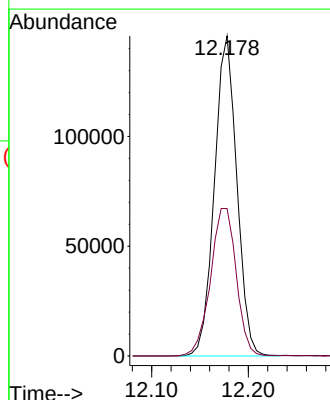
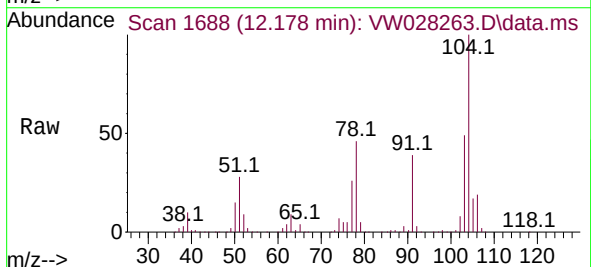
Instrument :
MSVOA_W
ClientSampleId :

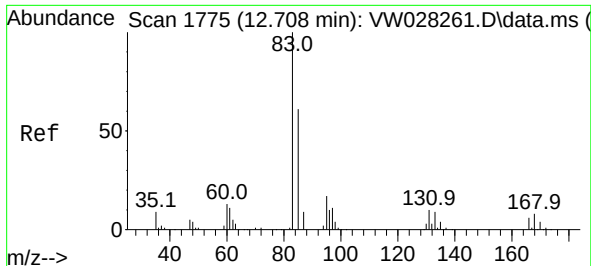
Tgt Ion:106 Resp: 142306
Ion Ratio Lower Upper
106 100
91 222.2 149.2 277.2



#55
Styrene
Concen: 19.093 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion:104 Resp: 234360
Ion Ratio Lower Upper
104 100
78 46.1 33.2 61.7

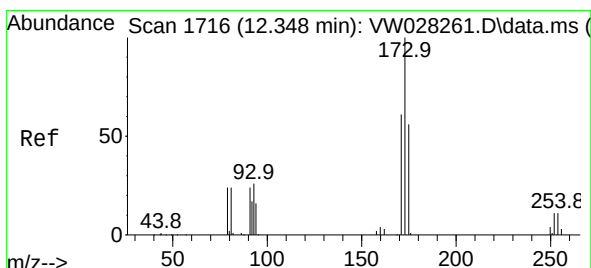
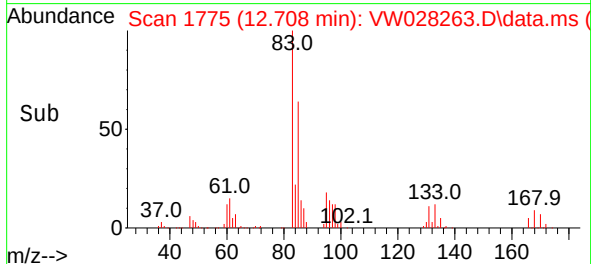
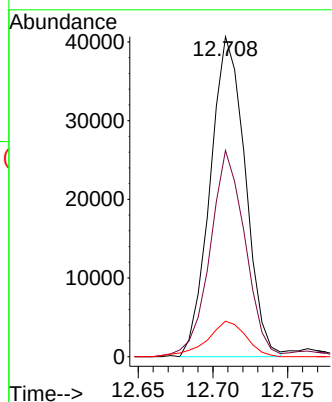
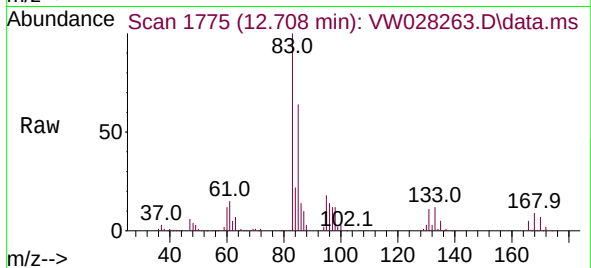




#57
1,1,2,2-Tetrachloroethane
Concen: 19.548 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

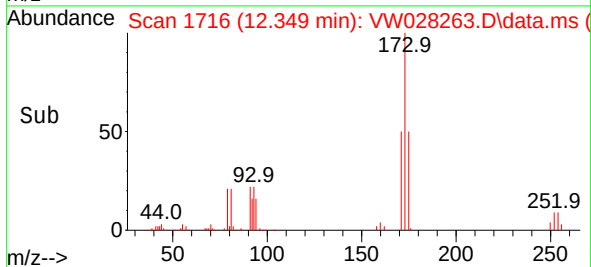
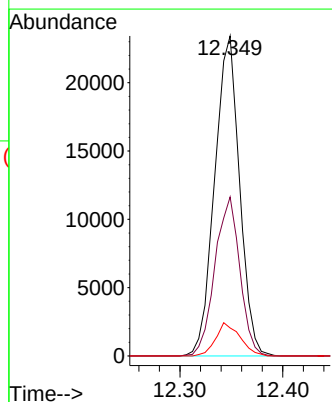
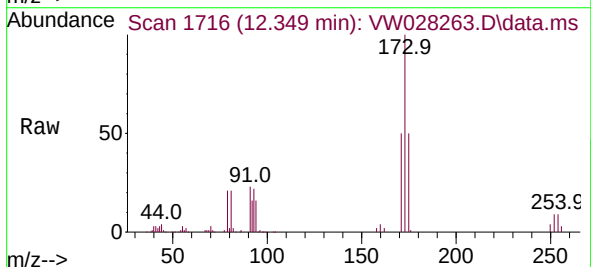
Instrument :
MSVOA_W
ClientSampleId :

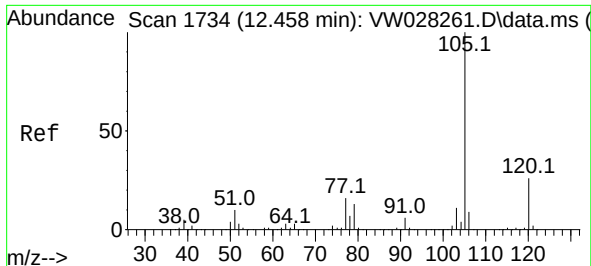
Tgt Ion: 83 Resp: 66414
Ion Ratio Lower Upper
83 100
85 64.5 47.0 87.2
131 11.1 8.9 13.3



#59
Bromoform
Concen: 27.901 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion:173 Resp: 39348
Ion Ratio Lower Upper
173 100
175 49.7 39.8 59.6
254 10.2 8.5 12.7

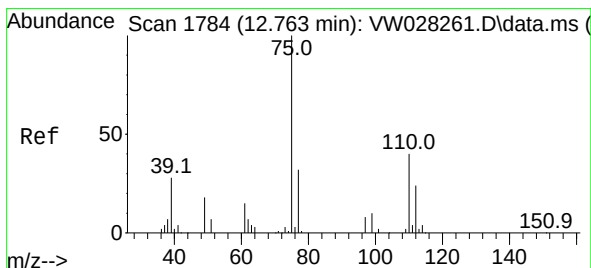
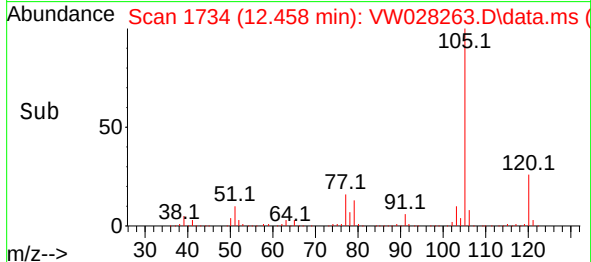
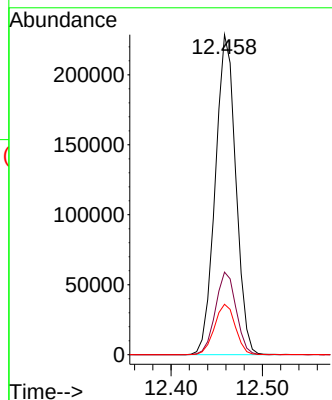
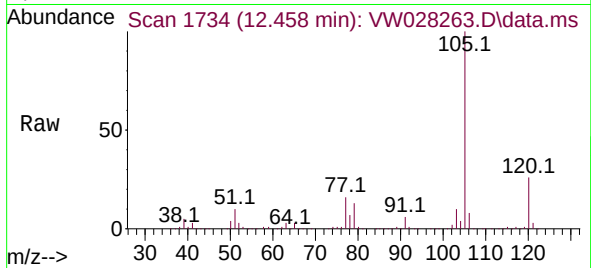




#60
Isopropylbenzene
Concen: 25.512 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

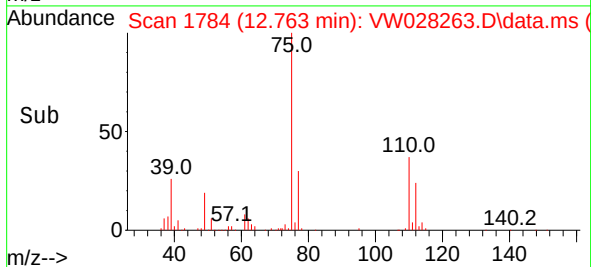
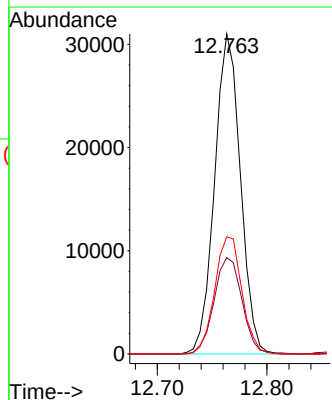
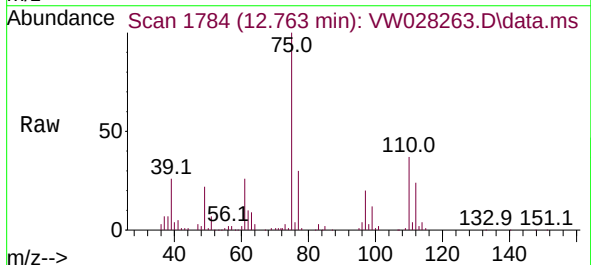
Instrument :
MSVOA_W
ClientSampleId :

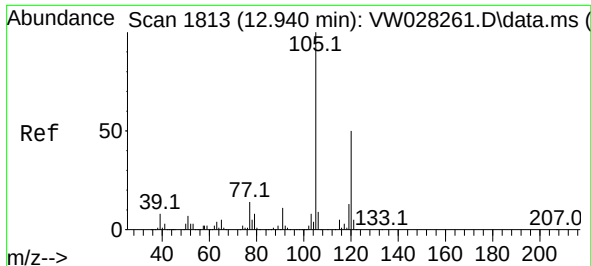
Tgt Ion:105 Resp: 356735
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.0 13.7 20.5



#61
1,2,3-Trichloropropane
Concen: 28.245 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW028263.D
Acq: 28 Mar 2024 10:44

Tgt Ion: 75 Resp: 50732
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 38.4 32.2 48.2





#62

1,3,5-Trimethylbenzene

Concen: 21.999 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

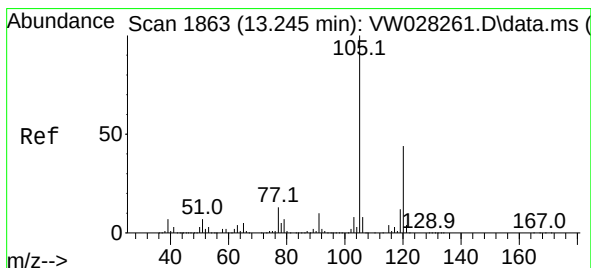
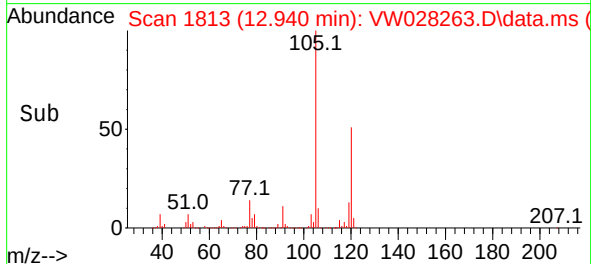
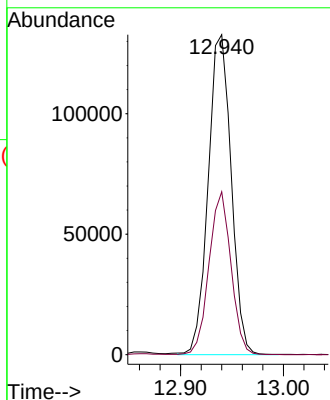
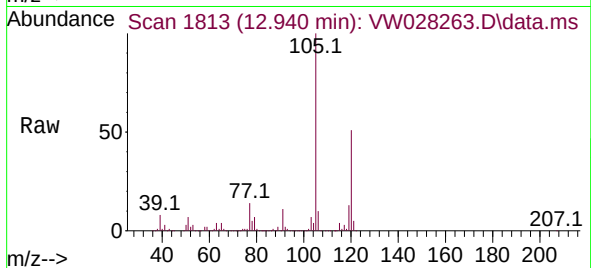
ClientSampleId :

Tgt Ion:105 Resp: 206397

Ion Ratio Lower Upper

105 100

120 48.6 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 21.850 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW028263.D

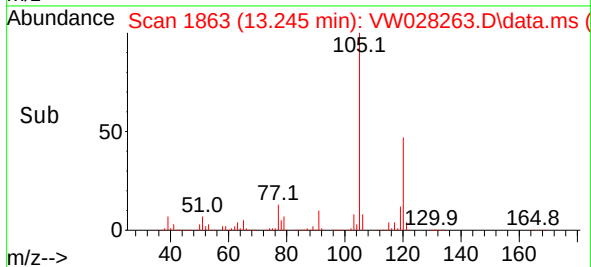
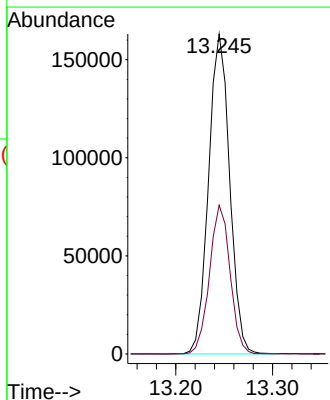
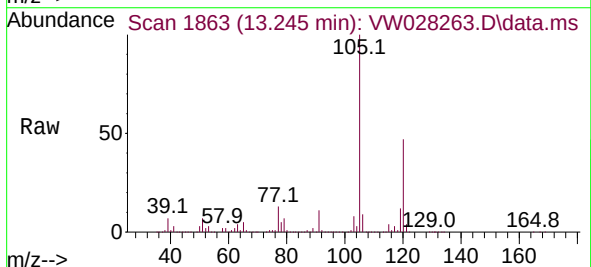
Acq: 28 Mar 2024 10:44

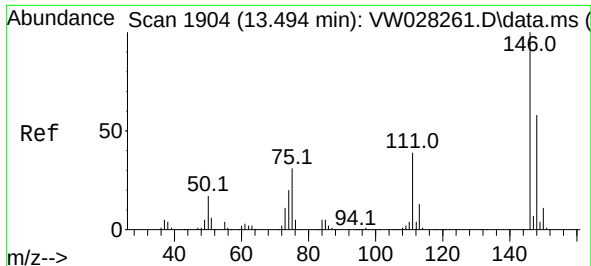
Tgt Ion:105 Resp: 247540

Ion Ratio Lower Upper

105 100

120 45.3 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 19.882 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

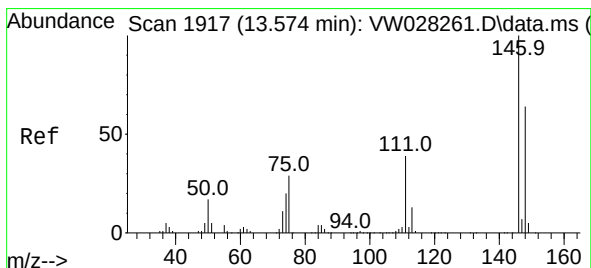
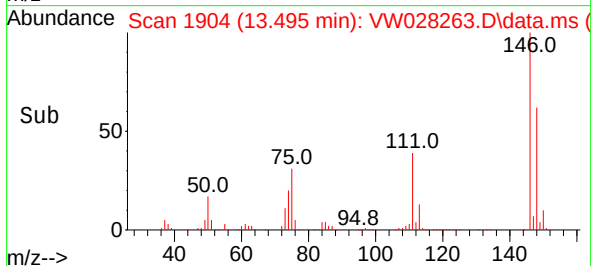
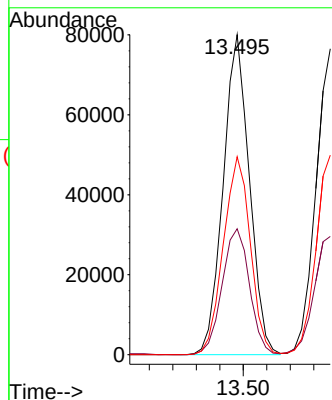
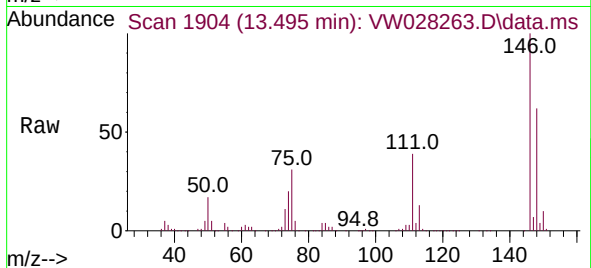
Tgt Ion:146 Resp: 124027

Ion Ratio Lower Upper

146 100

111 39.3 28.5 52.9

148 61.9 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 19.515 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

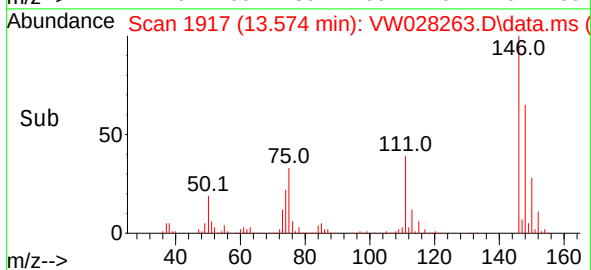
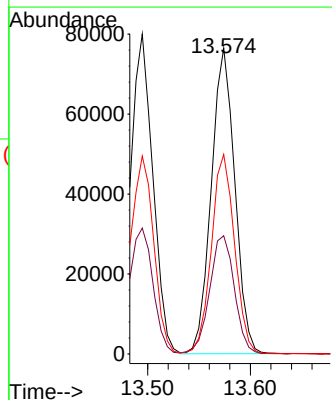
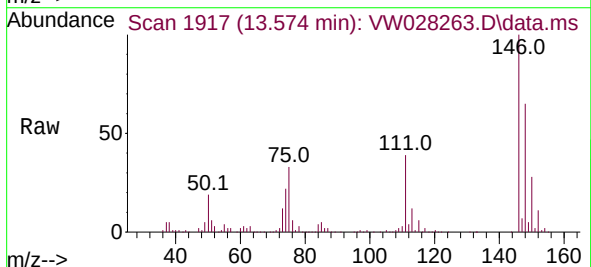
Tgt Ion:146 Resp: 121734

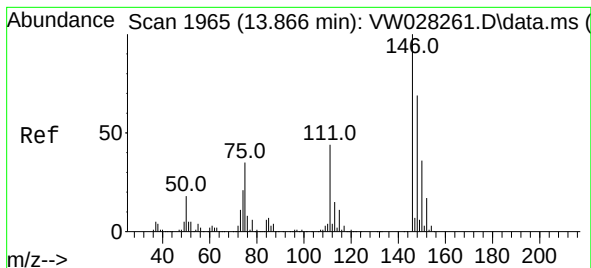
Ion Ratio Lower Upper

146 100

111 38.6 28.8 53.6

148 65.2 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 19.690 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

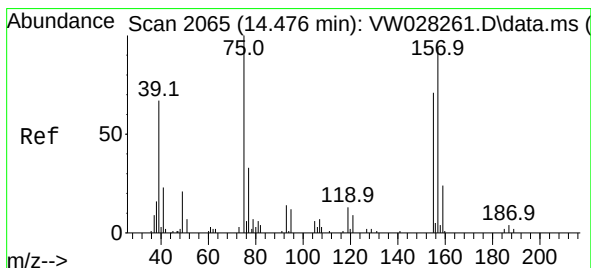
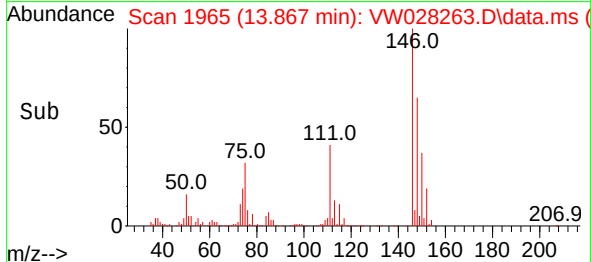
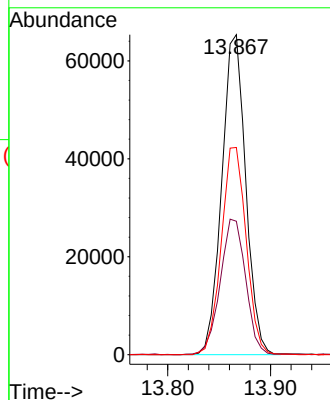
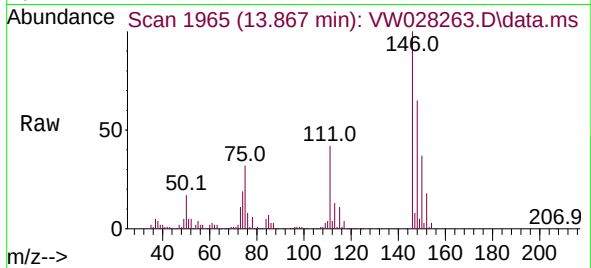
Tgt Ion:146 Resp: 105778

Ion Ratio Lower Upper

146 100

111 41.7 34.2 51.2

148 64.8 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 24.862 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

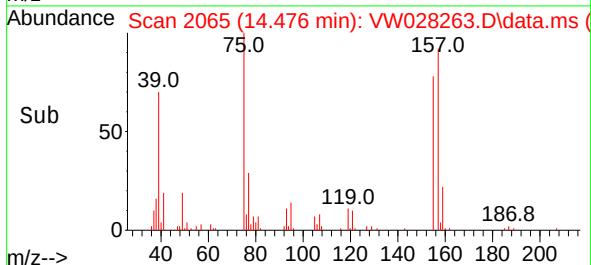
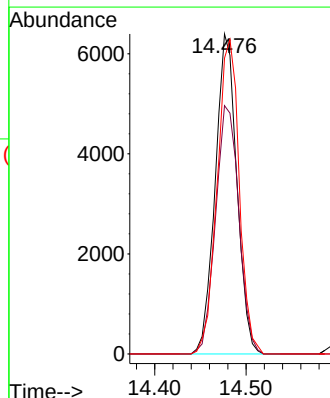
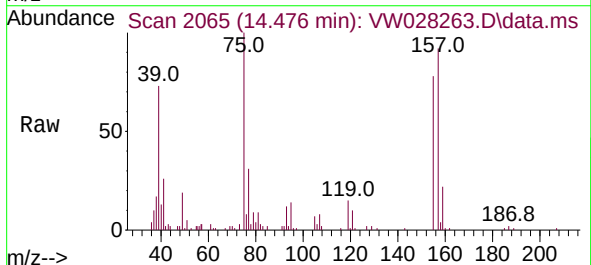
Tgt Ion: 75 Resp: 10490

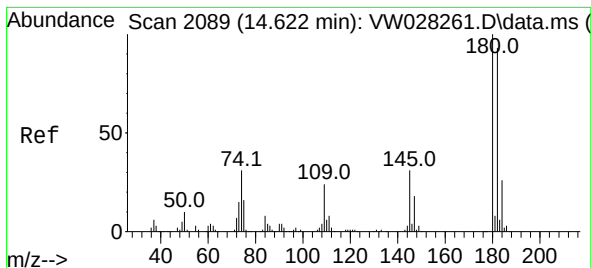
Ion Ratio Lower Upper

75 100

155 77.6 61.1 91.7

157 92.5 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 10.503 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 45638

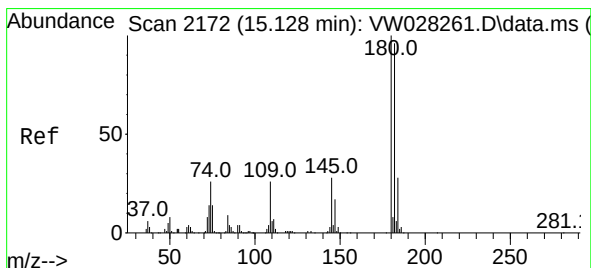
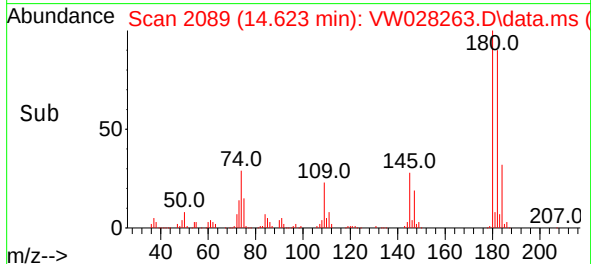
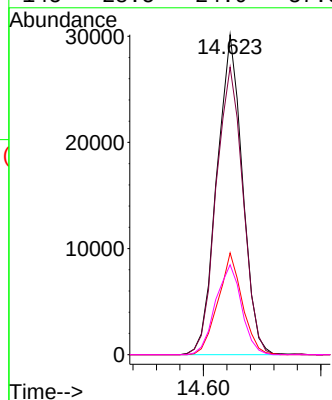
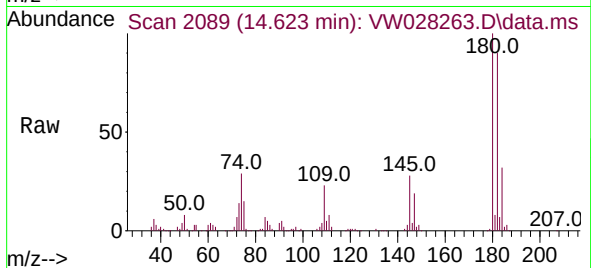
Ion Ratio Lower Upper

180 100

182 94.1 76.6 114.8

184 30.0 23.5 35.3

145 28.5 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 9.257 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

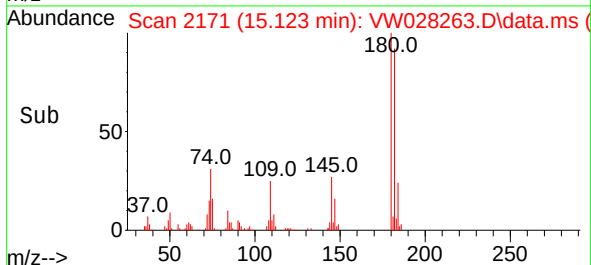
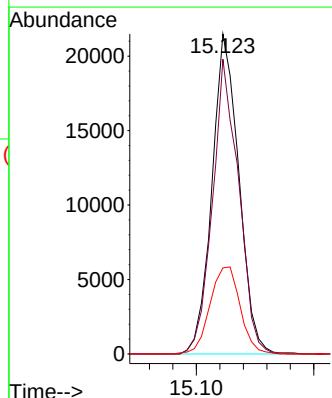
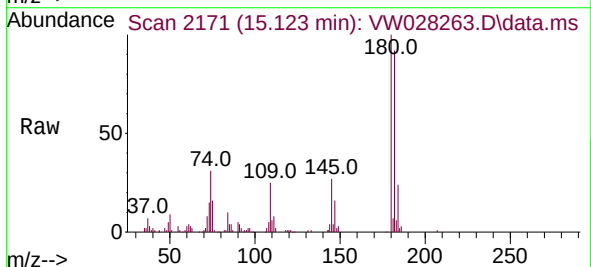
Tgt Ion:180 Resp: 34172

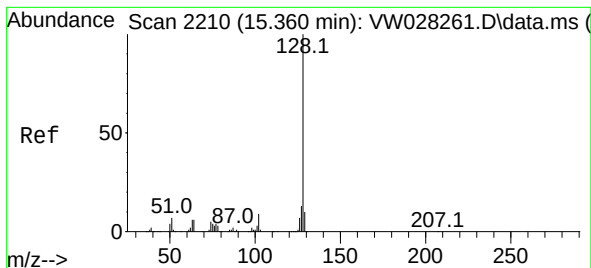
Ion Ratio Lower Upper

180 100

182 89.5 73.8 110.8

145 30.6 25.0 37.6





#71

Naphthalene

Concen: 14.066 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Instrument :

MSVOA_W

ClientSampleId :

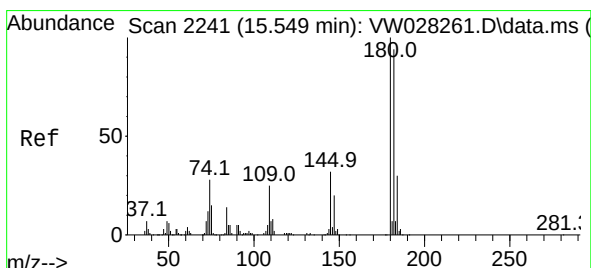
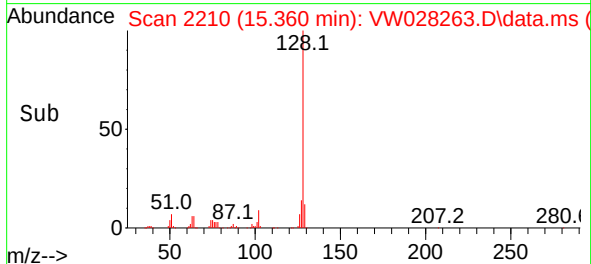
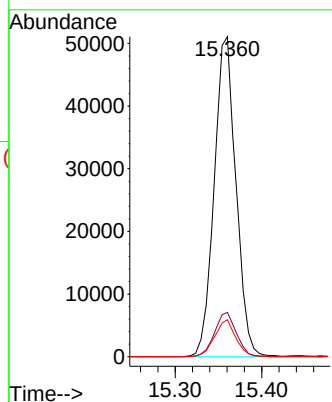
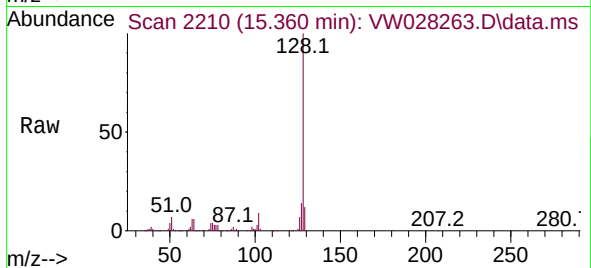
Tgt Ion:128 Resp: 89123

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

129 11.2 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 9.106 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW028263.D

Acq: 28 Mar 2024 10:44

Tgt Ion:180 Resp: 27710

Ion Ratio Lower Upper

180 100

182 92.4 76.0 114.0

145 31.5 27.1 40.7

