

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022924\
 Data File : VW028082IC.D
 Acq On : 29 Feb 2024 10:03
 Operator : SY/MD
 Sample : VSTD2.5
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 01 00:21:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 01 00:20:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	263684	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	231424	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	116400	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	8662	2.752	ug/L	0.00
7) Chloroethane-d5	2.893	69	6198	2.542	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.021	65	3315	2.578	ug/L	0.00
21) 2-Butanone-d5	7.088	46	1556	3.465	ug/L	0.00
24) Chloroform-d	7.648	84	13061	2.339	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.313	65	6148	2.365	ug/L	0.00
32) Benzene-d6	8.276	84	25716	2.380	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	6768	2.425	ug/L	0.00
41) Toluene-d8	10.325	98	24335	2.390	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	2837	2.319	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	1595	4.057	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	5310	2.410	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.849	152	8828	2.550	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	5407	2.016	ug/L	94
3) Chloromethane	2.223	50	6101	2.382	ug/L	97
5) Vinyl chloride	2.375	62	9131	2.558	ug/L	98
6) Bromomethane	2.796	94	7550	2.651	ug/L	88
8) Chloroethane	2.942	64	5827	2.599	ug/L	86
9) Trichlorofluoromethane	3.265	101	7708	2.315	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	4130	1.193	ug/L #	77
12) 1,1-Dichloroethene	4.045	96	8118	2.477	ug/L	99
13) Acetone	4.131	43	2672	4.286	ug/L	75
14) Carbon disulfide	4.393	76	24374	2.441	ug/L	99
15) Methyl Acetate	4.679	43	2233	2.517	ug/L #	84
16) Methylene chloride	4.929	84	18580	5.122	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	8618	2.461	ug/L	89
18) Methyl tert-butyl Ether	5.423	73	5421	1.264	ug/L #	89
19) 1,1-Dichloroethane	6.222	63	13884	2.507	ug/L	91
20) cis-1,2-Dichloroethene	7.173	96	8907	2.416	ug/L	97
22) 2-Butanone	7.179	43	2789	3.979	ug/L #	63
23) Bromochloromethane	7.527	128	4352	2.515	ug/L	90
25) Chloroform	7.679	83	15669	2.533	ug/L	100
27) 1,2-Dichloroethane	8.404	62	9361	2.545	ug/L	100
29) Cyclohexane	7.959	56	10469	2.352	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	13580	2.628	ug/L	98
31) Carbon tetrachloride	8.069	117	12228	2.534	ug/L	99
33) Benzene	8.325	78	32153	2.572	ug/L	100
34) Trichloroethene	9.087	95	9549	2.607	ug/L	98
35) Methylcyclohexane	9.337	83	14930	2.518	ug/L	98
37) 1,2-Dichloropropane	9.362	63	7607	2.613	ug/L	98
38) Bromodichloromethane	9.642	83	10504	2.498	ug/L #	94
39) cis-1,3-Dichloropropene	10.075	75	11332	2.367	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	5453	4.715	ug/L	97
42) Toluene	10.386	91	35288	2.498	ug/L	92
44) trans-1,3-Dichloropropene	10.605	75	8951	2.301	ug/L	100

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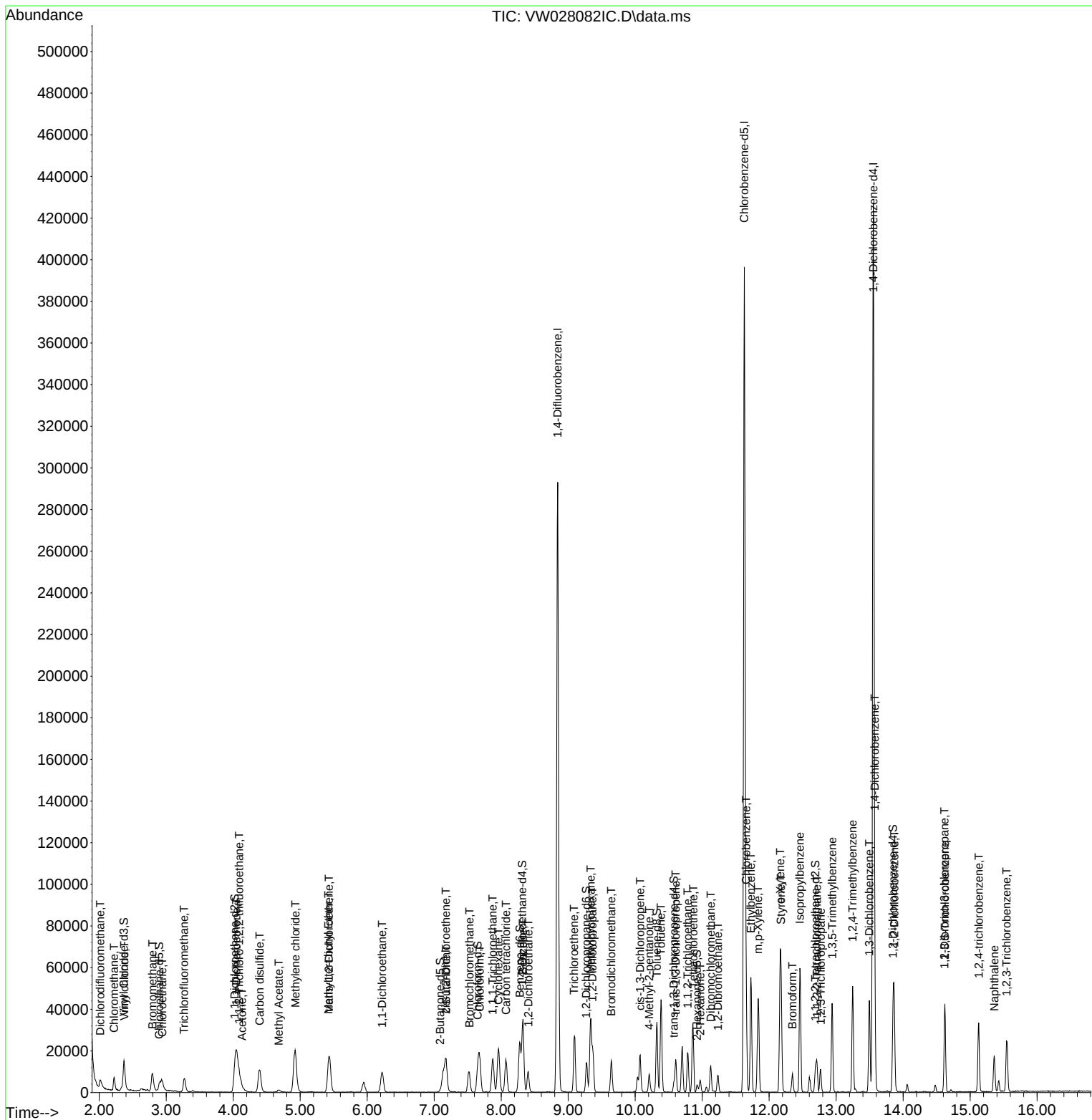
Quant Time: Mar 01 00:21:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 01 00:20:35 2024
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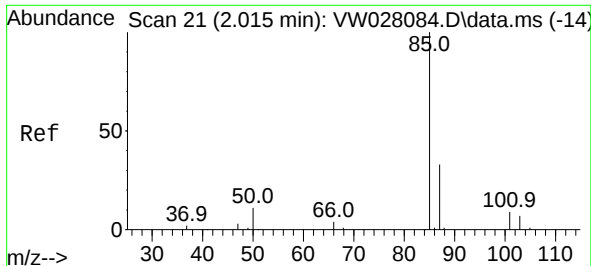
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.782	97	6439	2.637	ug/L	94
46) Tetrachloroethene	10.867	164	7919	2.579	ug/L	90
48) 2-Hexanone	10.971	43	3413	3.650	ug/L #	97
49) Dibromochloromethane	11.130	129	7001	2.466	ug/L	96
50) 1,2-Dibromoethane	11.233	107	5861	2.492	ug/L	95
51) Chlorobenzene	11.654	112	24523	2.602	ug/L	92
52) Ethylbenzene	11.727	91	39367	2.437	ug/L	96
53) m,p-Xylene	11.837	106	15458	2.467	ug/L	100
54) o-Xylene	12.166	106	13865	2.338	ug/L	100
55) Styrene	12.178	104	23470	2.320	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.715	83	7015	2.664	ug/L	89
59) Bromoform	12.349	173	4306	2.609	ug/L #	97
60) Isopropylbenzene	12.459	105	39552	2.477	ug/L	98
61) 1,2,3-Trichloropropane	12.770	75	4794	2.679	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	24152	2.307	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	28898	2.315	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	19029	2.578	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	20130	2.702	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	17818	2.680	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	14.617	75	2144	5.705	ug/L #	2
69) 1,3,5-Trichlorobenzene	14.623	180	13363	2.454	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	11320	2.588	ug/L	94
71) Naphthalene	15.361	128	15705	2.195	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	9776	2.673	ug/L	91

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

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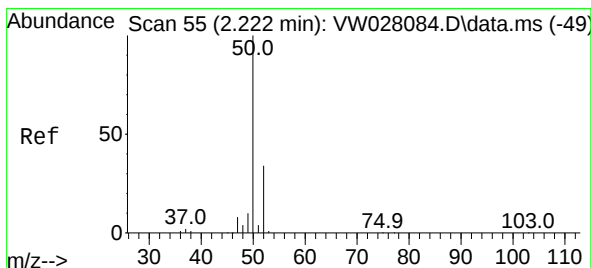
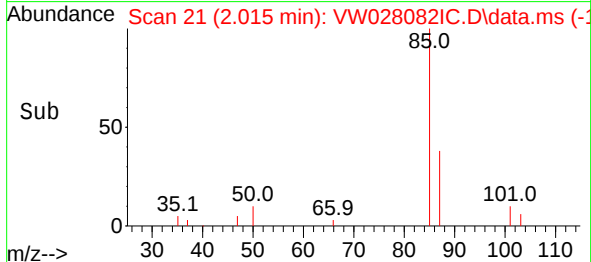
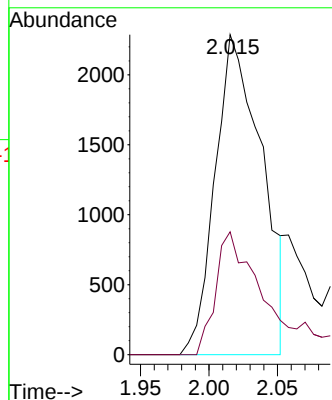
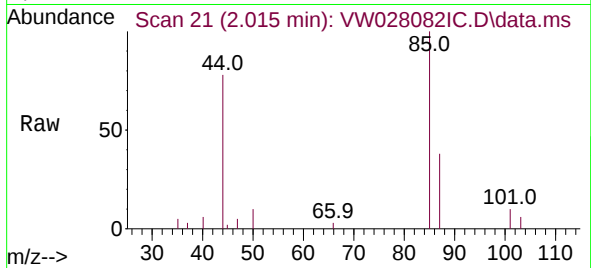




#2
 Dichlorodifluoromethane
 Concen: 2.016 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW028082IC.D
 Acq: 29 Feb 2024 10:03

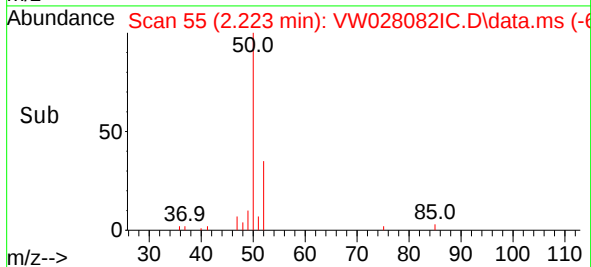
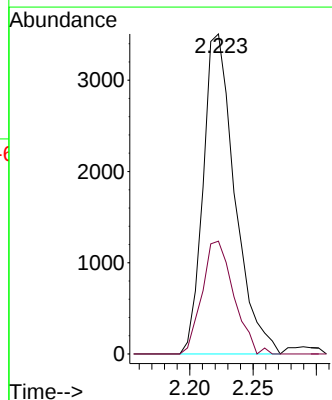
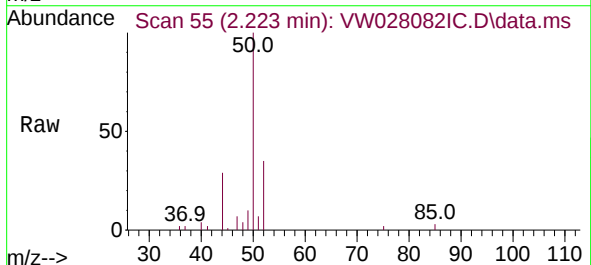
Instrument :
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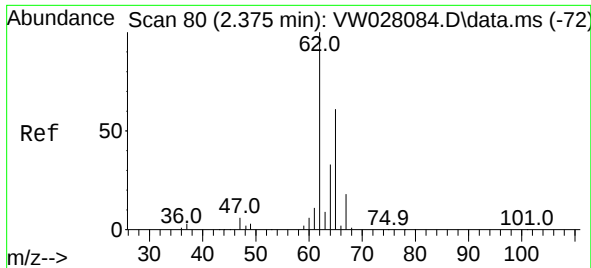
Tgt Ion: 85 Resp: 5407
 Ion Ratio Lower Upper
 85 100
 87 36.5 26.6 39.8



#3
 Chloromethane
 Concen: 2.382 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW028082IC.D
 Acq: 29 Feb 2024 10:03

Tgt Ion: 50 Resp: 6101
 Ion Ratio Lower Upper
 50 100
 52 35.3 23.7 43.9

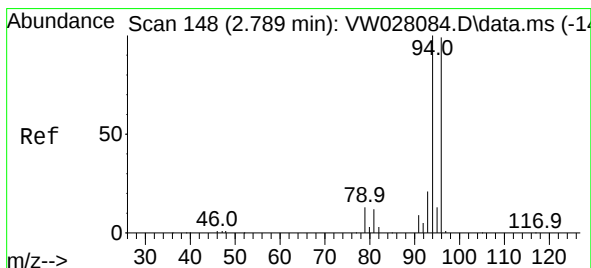
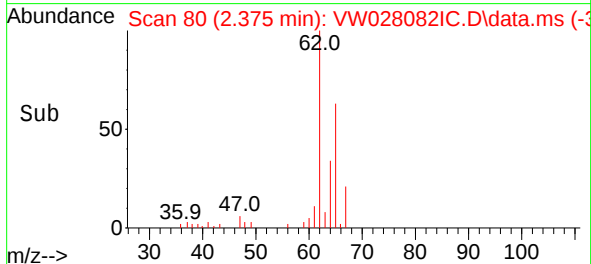
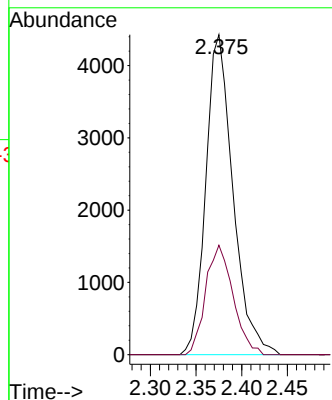
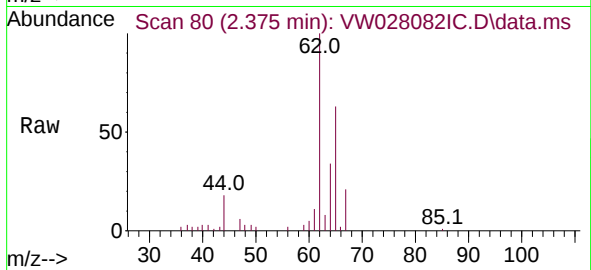




#5
 Vinyl chloride
 Concen: 2.558 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW028082IC.D
 Acq: 29 Feb 2024 10:03

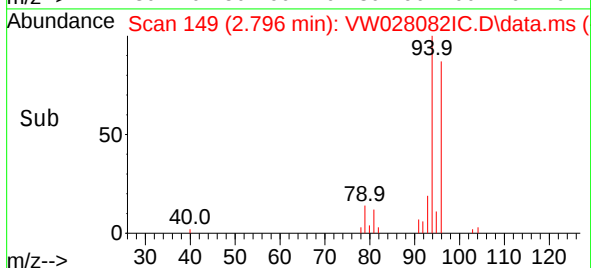
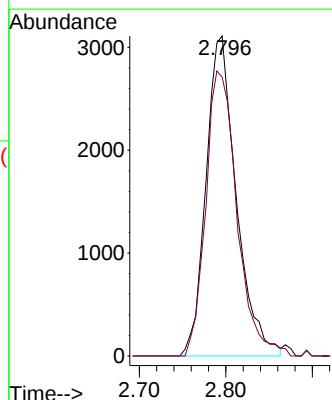
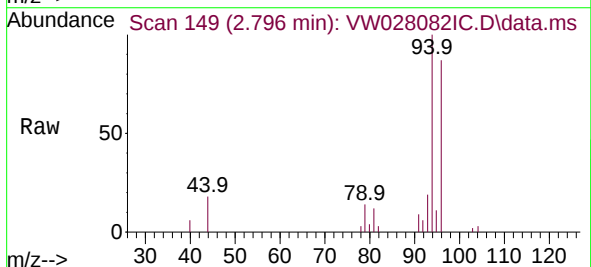
Instrument :
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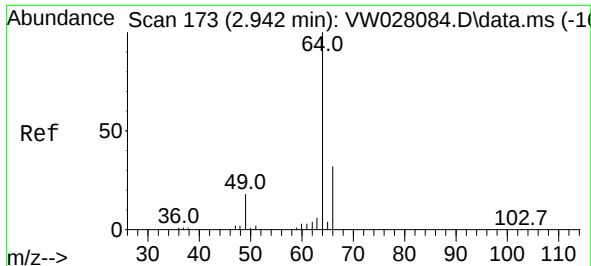
Tgt Ion: 62 Resp: 9131
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.2 43.0



#6
 Bromomethane
 Concen: 2.651 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VW028082IC.D
 Acq: 29 Feb 2024 10:03

Tgt Ion: 94 Resp: 7550
 Ion Ratio Lower Upper
 94 100
 96 87.2 69.1 128.3

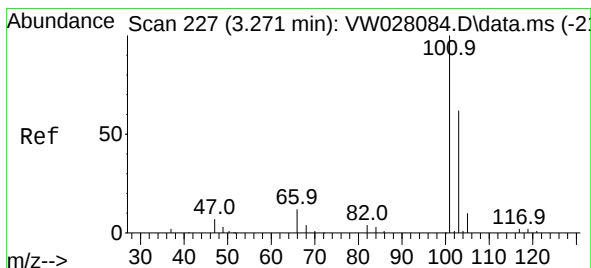
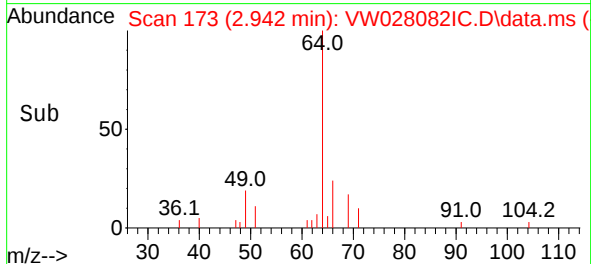
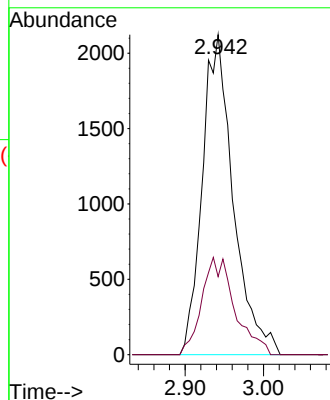
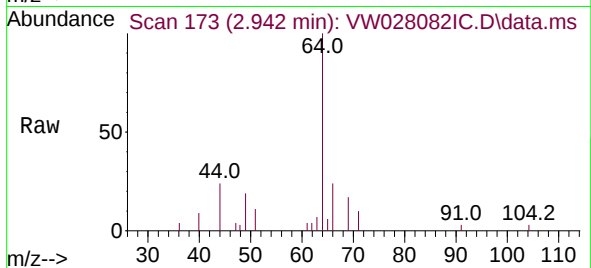




#8
Chloroethane
Concen: 2.599 ug/L
RT: 2.942 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

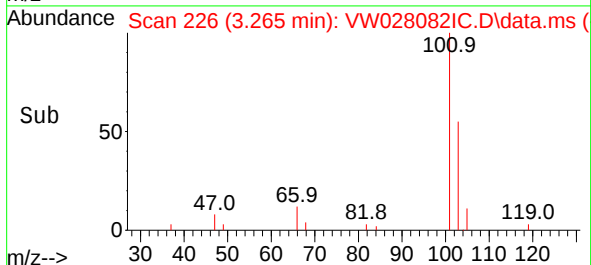
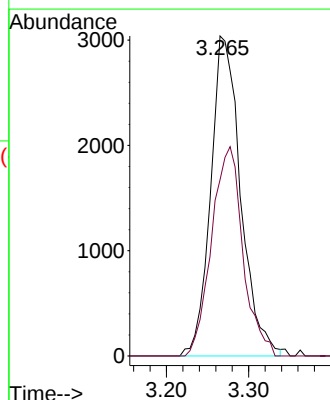
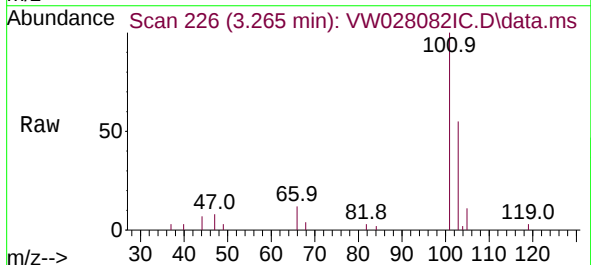
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MSVOA_W
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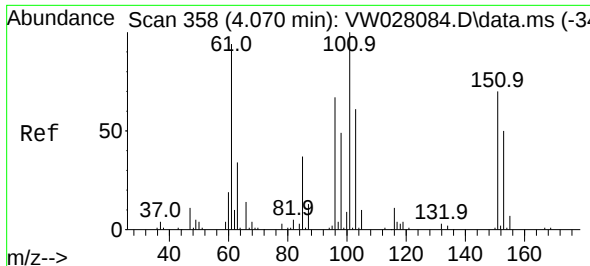
Tgt Ion: 64 Resp: 5827
Ion Ratio Lower Upper
64 100
66 24.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.315 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Tgt Ion:101 Resp: 7708
Ion Ratio Lower Upper
101 100
103 68.1 52.6 78.8





#10

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

Concen: 1.193 ug/L

RT: 4.088 min Scan# 3

Delta R.T. 0.018 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :

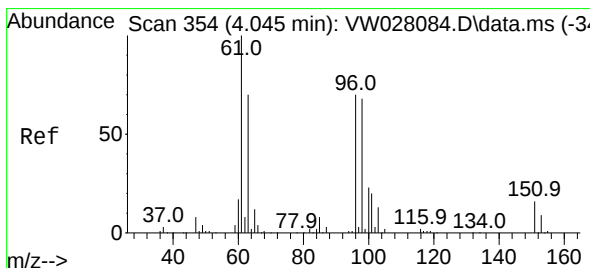
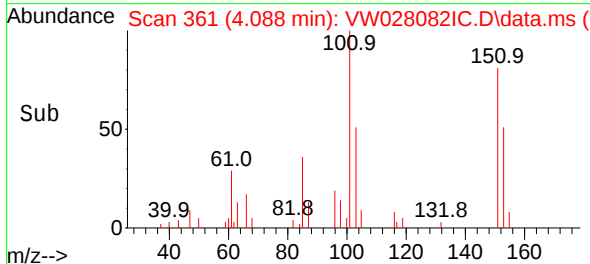
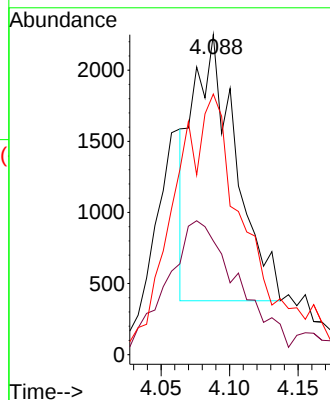
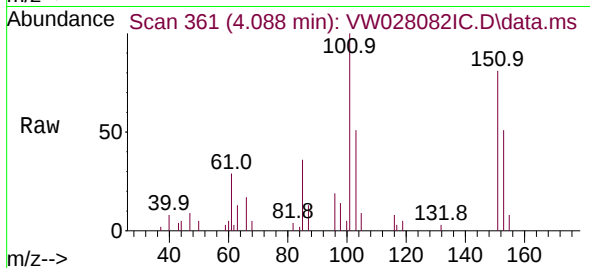
Tgt Ion:101 Resp: 4130

Ion Ratio Lower Upper

101 100

85 5.7 33.1 49.7#

151 65.9 53.7 80.5



#12

1,1-Dichloroethene

Concen: 2.477 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

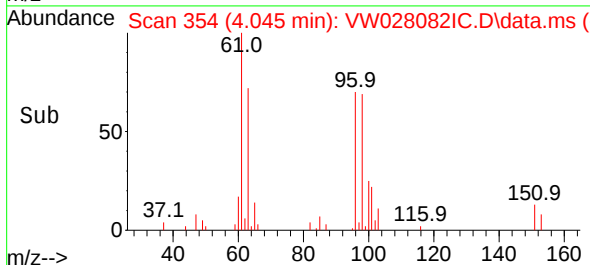
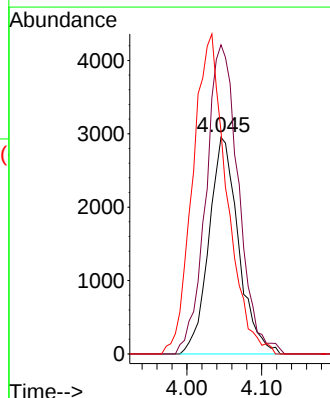
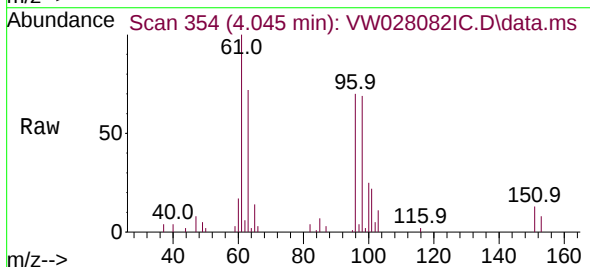
Tgt Ion: 96 Resp: 8118

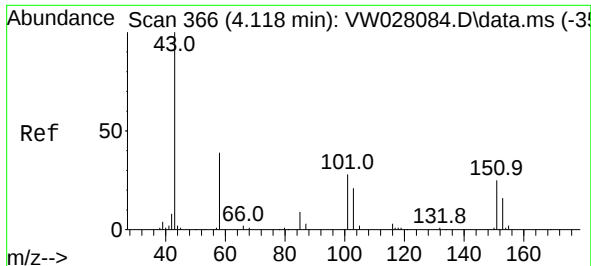
Ion Ratio Lower Upper

96 100

61 142.7 100.5 186.7

63 102.7 72.9 135.5





#13

Acetone

Concen: 4.286 ug/L

RT: 4.131 min Scan# 368

Delta R.T. 0.012 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

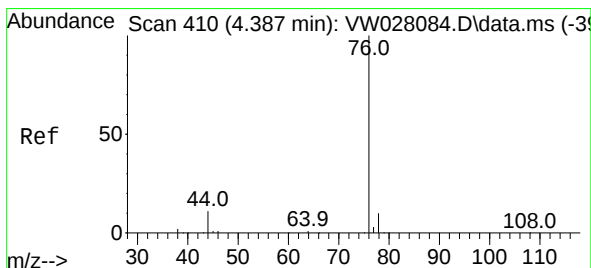
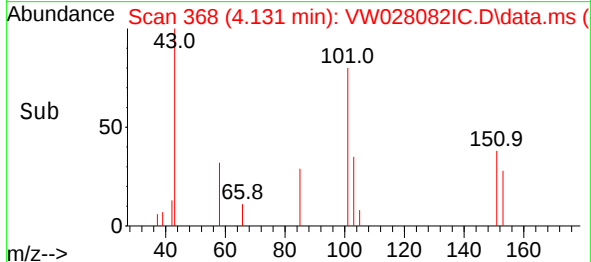
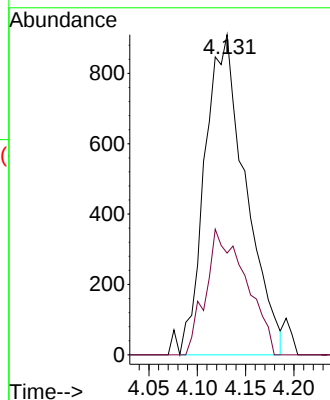
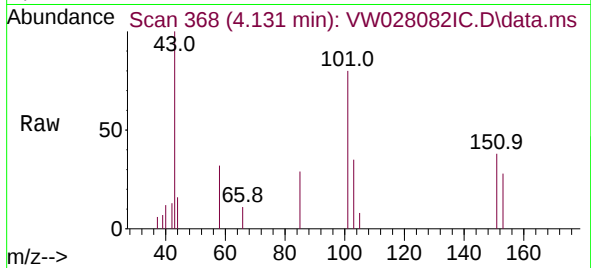
ClientSampleId :

Tgt Ion: 43 Resp: 2672

Ion Ratio Lower Upper

43 100

58 20.6 0.0 70.0



#14

Carbon disulfide

Concen: 2.441 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.006 min

Lab File: VW028082IC.D

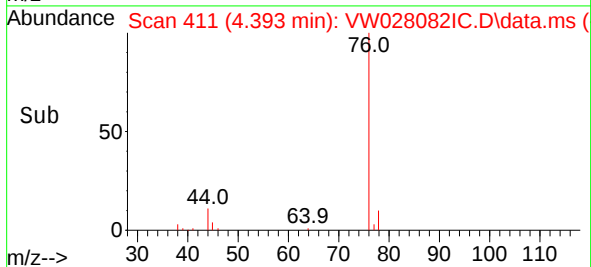
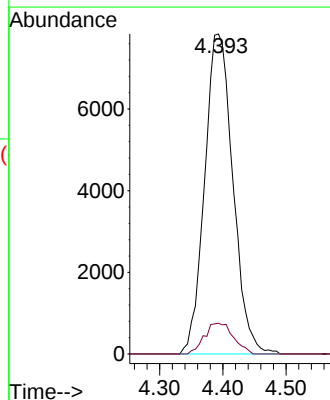
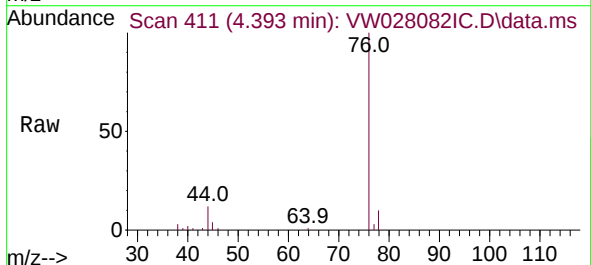
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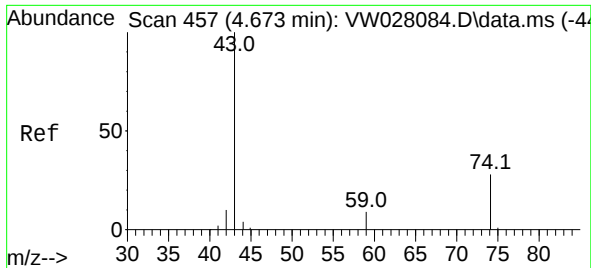
Tgt Ion: 76 Resp: 24374

Ion Ratio Lower Upper

76 100

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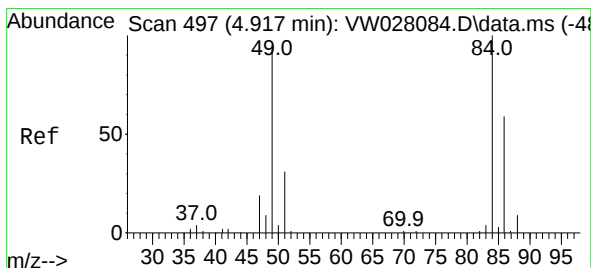
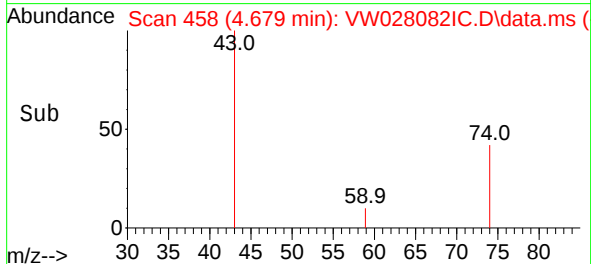
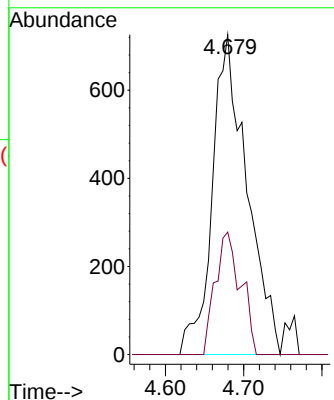
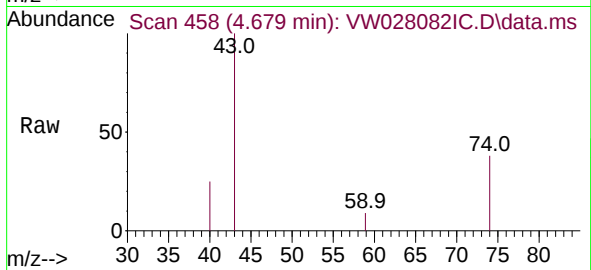




#15
Methyl Acetate
Concen: 2.517 ug/L
RT: 4.679 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

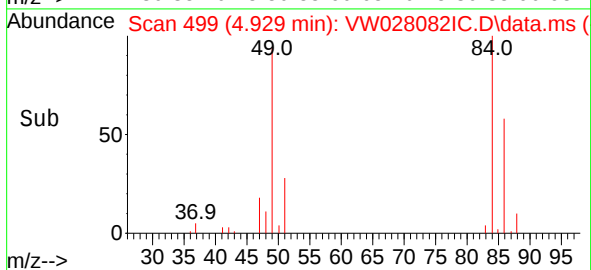
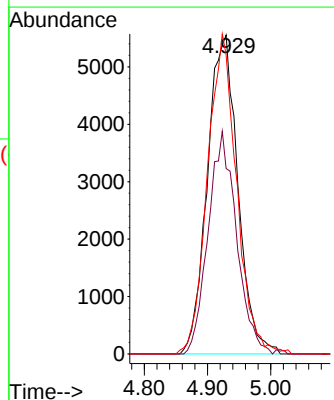
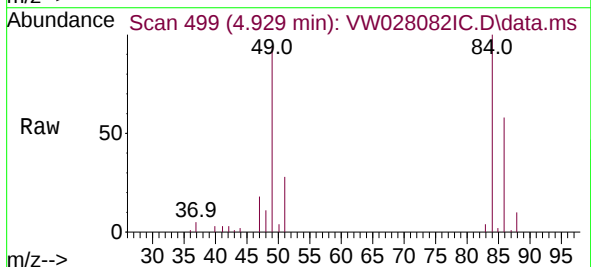
Instrument :
MSVOA_W
ClientSampleId :

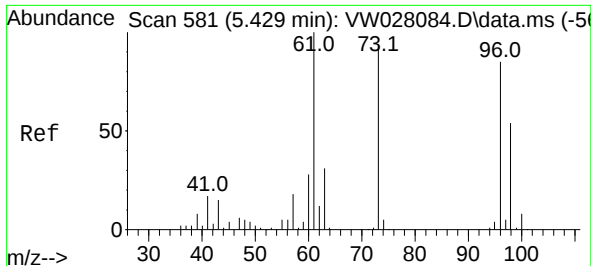
Tgt Ion: 43 Resp: 2233
Ion Ratio Lower Upper
43 100
74 21.9 24.3 36.5#



#16
Methylene chloride
Concen: 5.122 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.012 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

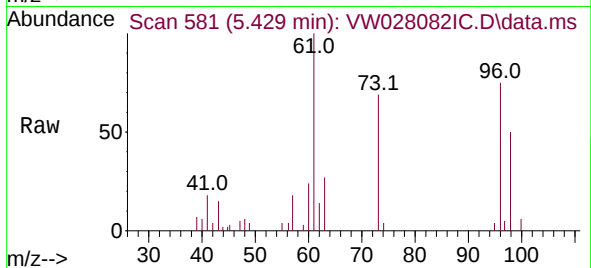
Tgt Ion: 84 Resp: 18580
Ion Ratio Lower Upper
84 100
86 58.1 41.2 76.6
49 93.8 66.5 123.5





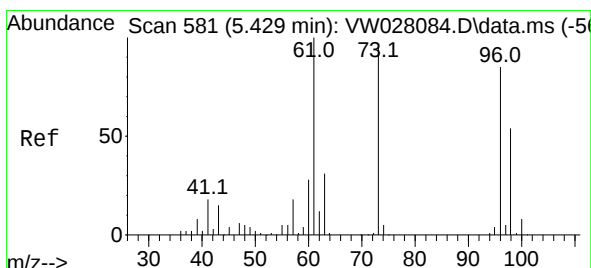
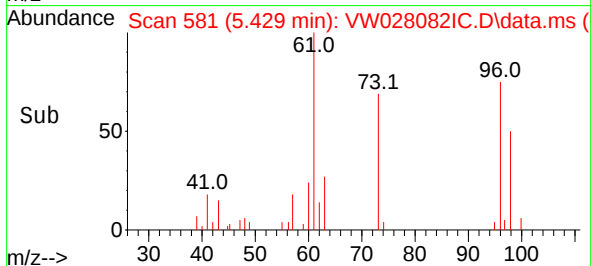
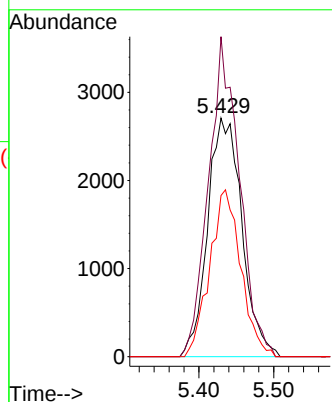
#17
trans-1,2-Dichloroethene
Concen: 2.461 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 8618

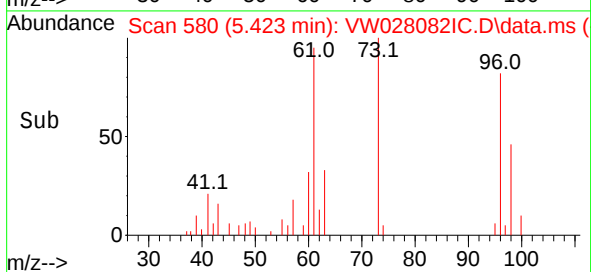
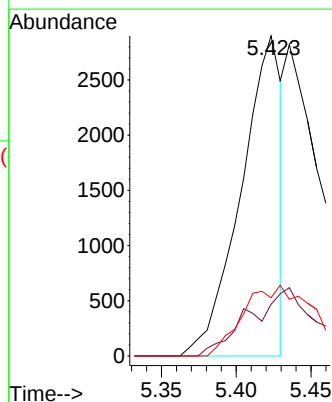
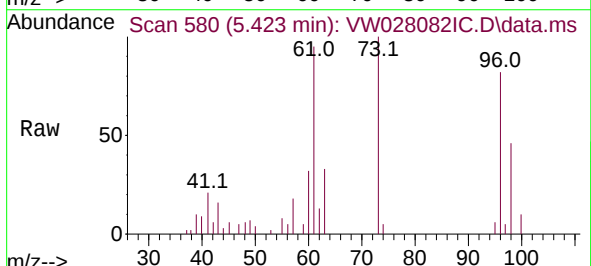
Ion	Ratio	Lower	Upper
96	100		
61	134.2	82.6	153.4
98	67.5	44.7	83.1

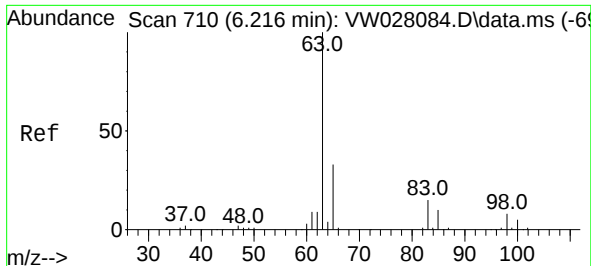


#18
Methyl tert-butyl Ether
Concen: 1.264 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Tgt Ion: 73 Resp: 5421

Ion	Ratio	Lower	Upper
73	100		
43	23.8	13.3	19.9#
57	17.3	15.9	23.9

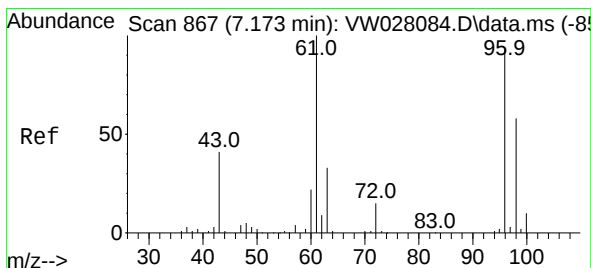
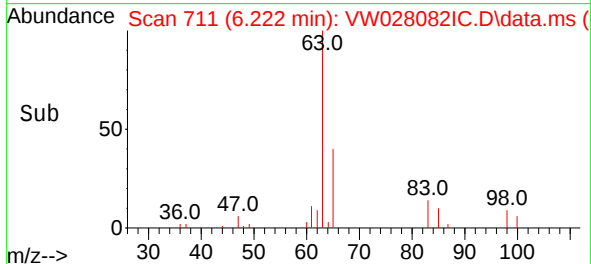
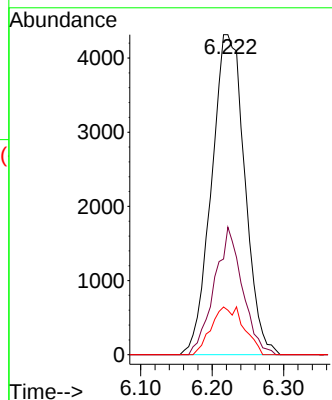
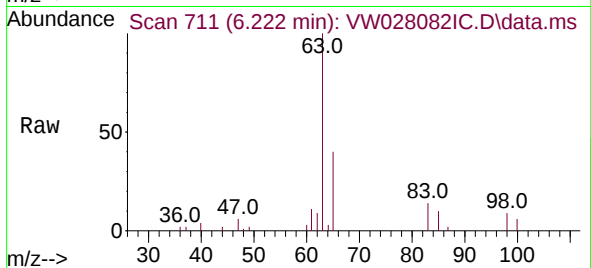




#19
 1,1-Dichloroethane
 Concen: 2.507 ug/L
 RT: 6.222 min Scan# 711
 Delta R.T. 0.006 min
 Lab File: VW028082IC.D
 Acq: 29 Feb 2024 10:03

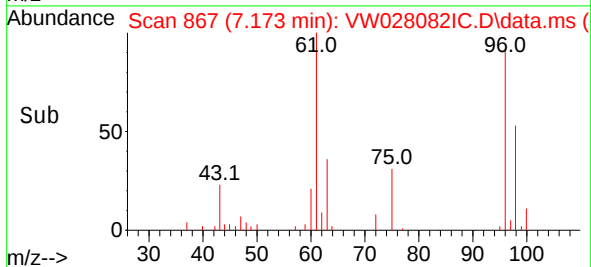
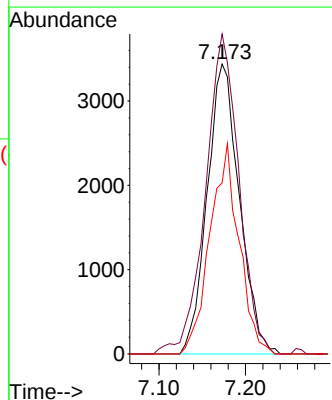
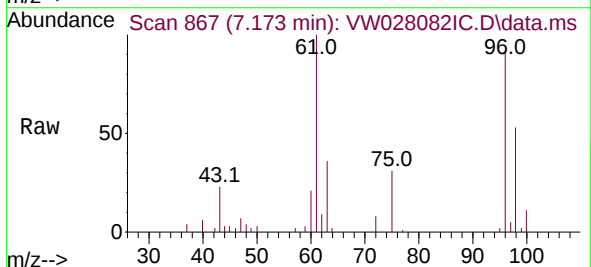
Instrument :
 MSVOA_W
 ClientSampleId :

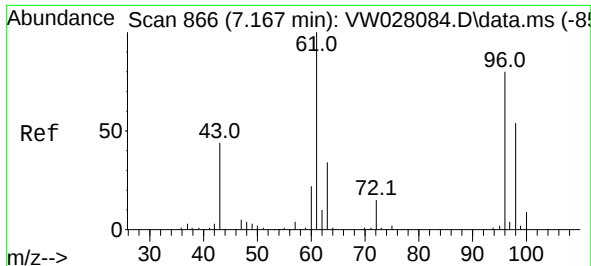
Tgt Ion: 63 Resp: 13884
 Ion Ratio Lower Upper
 63 100
 65 39.9 23.2 43.0
 83 13.9 10.2 19.0



#20
 cis-1,2-Dichloroethene
 Concen: 2.416 ug/L
 RT: 7.173 min Scan# 867
 Delta R.T. 0.000 min
 Lab File: VW028082IC.D
 Acq: 29 Feb 2024 10:03

Tgt Ion: 96 Resp: 8907
 Ion Ratio Lower Upper
 96 100
 61 110.3 75.5 140.1
 98 59.0 43.8 81.4





#22

2-Butanone

Concen: 3.979 ug/L

RT: 7.179 min Scan# 866

Delta R.T. 0.012 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

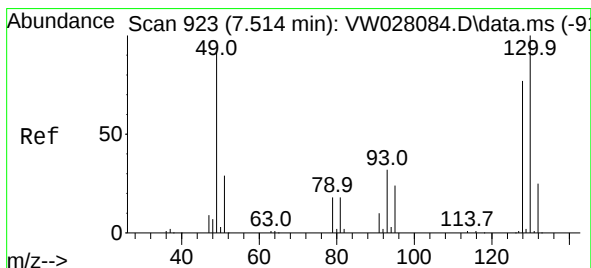
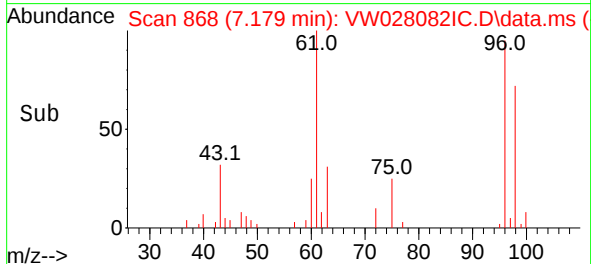
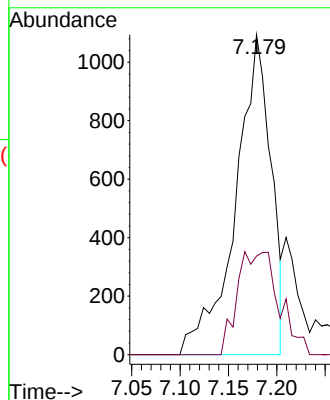
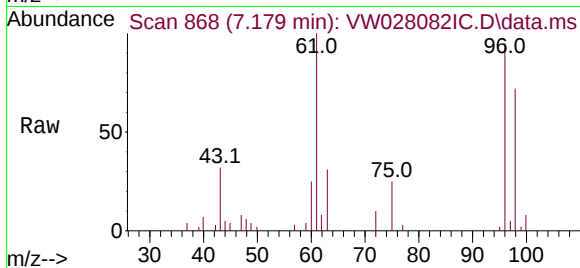
ClientSampleId :

Tgt Ion: 43 Resp: 2789

Ion Ratio Lower Upper

43 100

72 14.9 18.4 55.0#



#23

Bromochloromethane

Concen: 2.515 ug/L

RT: 7.527 min Scan# 925

Delta R.T. 0.012 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Tgt Ion: 128 Resp: 4352

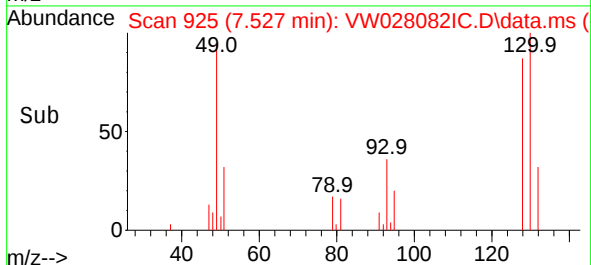
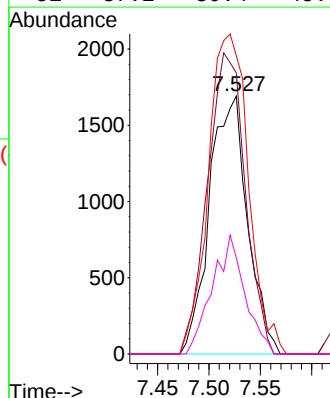
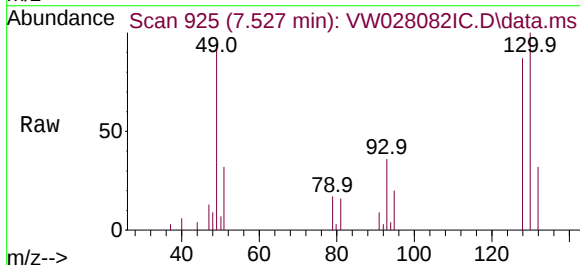
Ion Ratio Lower Upper

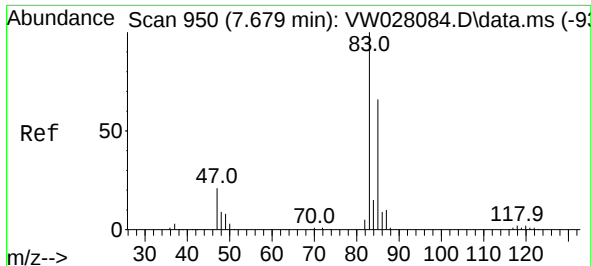
128 100

49 108.9 84.4 156.8

130 115.5 91.1 169.3

51 37.2 30.4 45.6





#25

Chloroform

Concen: 2.533 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

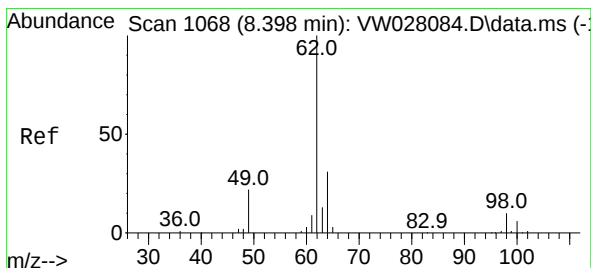
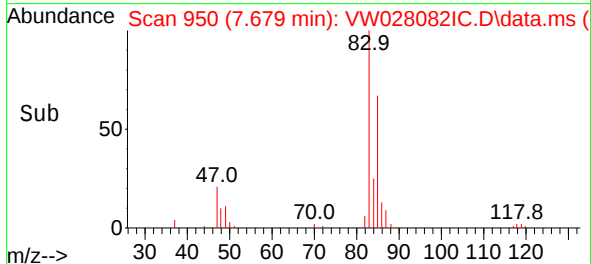
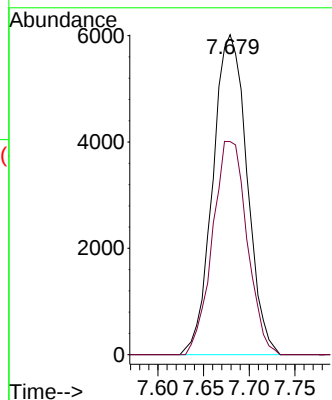
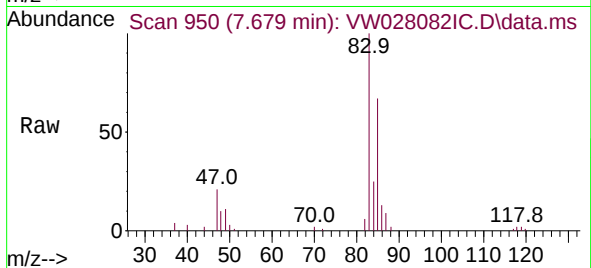
ClientSampleId :

Tgt Ion: 83 Resp: 15669

Ion Ratio Lower Upper

83 100

85 66.6 46.5 86.5



#27

1,2-Dichloroethane

Concen: 2.545 ug/L

RT: 8.404 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VW028082IC.D

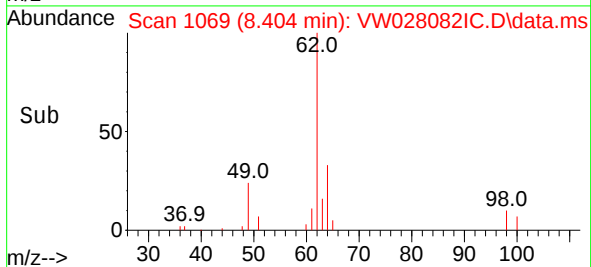
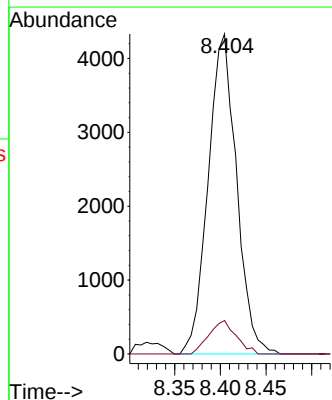
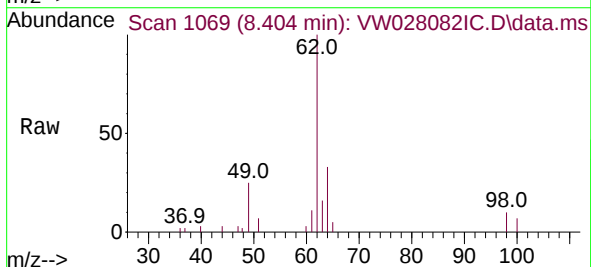
Acq: 29 Feb 2024 10:03

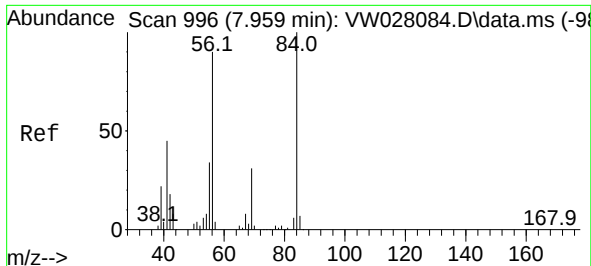
Tgt Ion: 62 Resp: 9361

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.4





#29

Cyclohexane

Concen: 2.352 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :

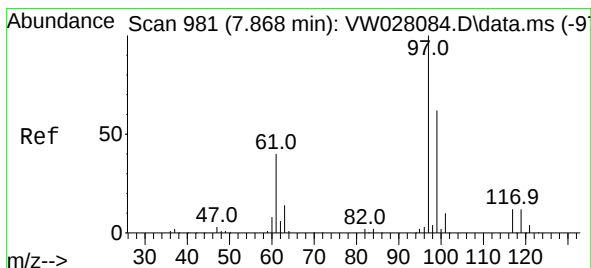
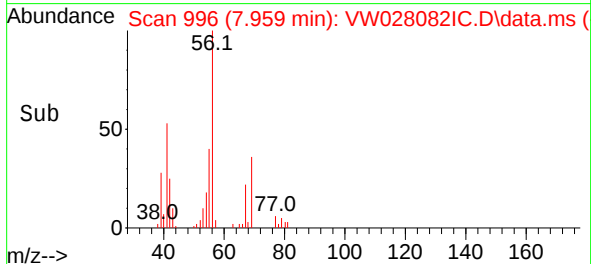
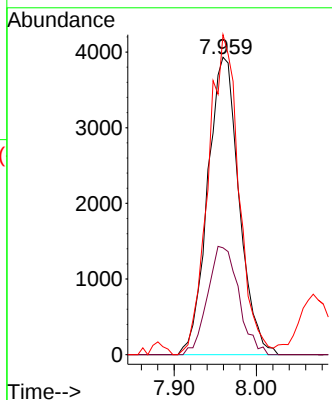
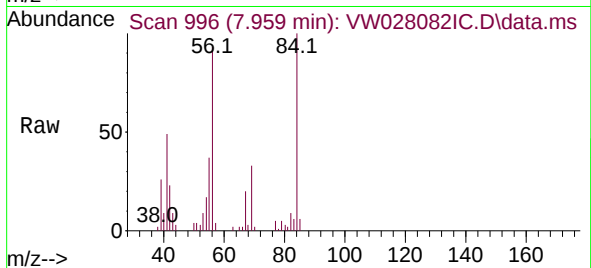
Tgt Ion: 56 Resp: 10469

Ion Ratio Lower Upper

56 100

69 35.9 27.6 41.4

84 104.9 86.6 129.8



#30

1,1,1-Trichloroethane

Concen: 2.628 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

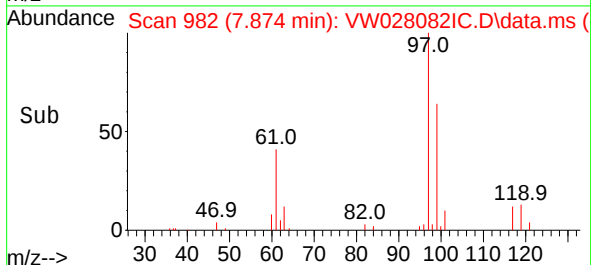
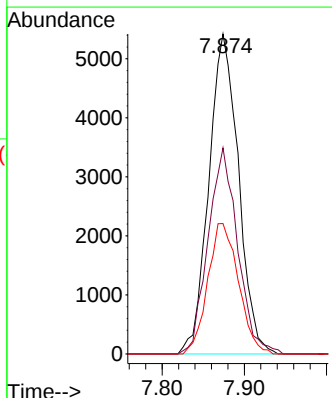
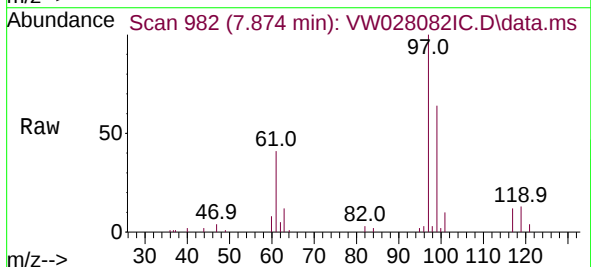
Tgt Ion: 97 Resp: 13580

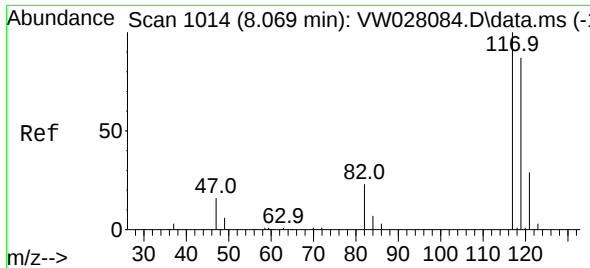
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

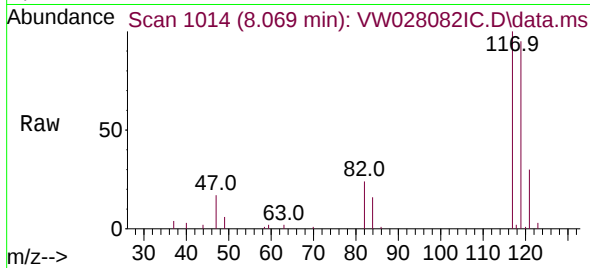
61 42.3 31.8 47.6



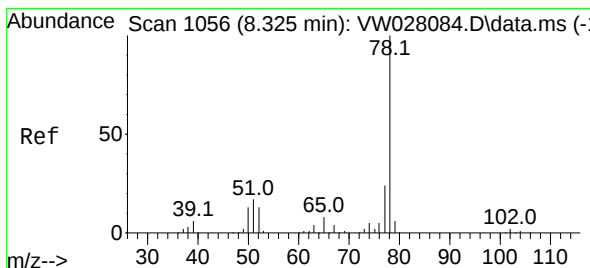
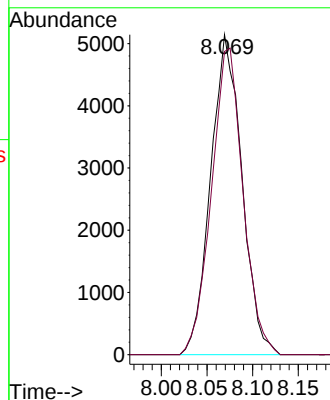
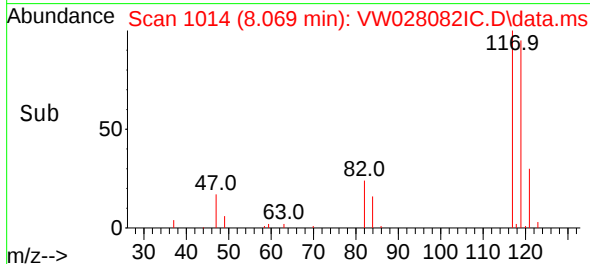


#31
Carbon tetrachloride
Concen: 2.534 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Instrument :
MSVOA_W
ClientSampleId :

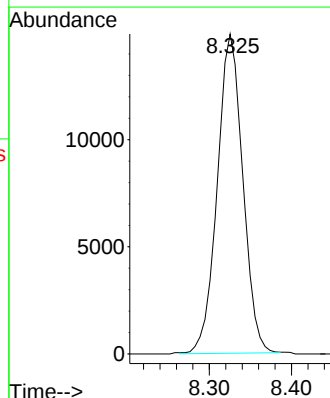
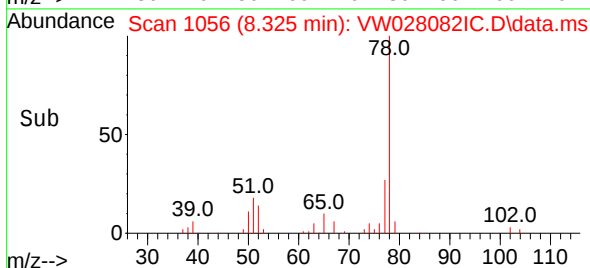
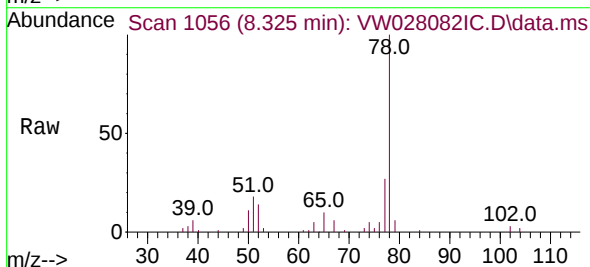


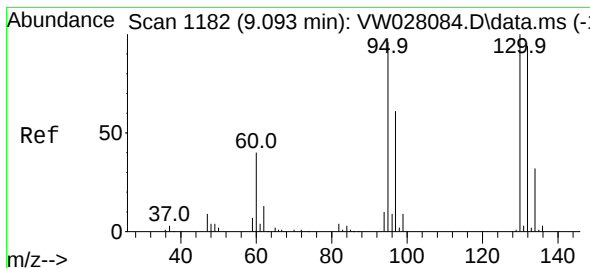
Tgt Ion:117 Resp: 12228
Ion Ratio Lower Upper
117 100
119 96.8 76.8 115.2



#33
Benzene
Concen: 2.572 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Tgt Ion: 78 Resp: 32153





#34

Trichloroethene

Concen: 2.607 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 9549

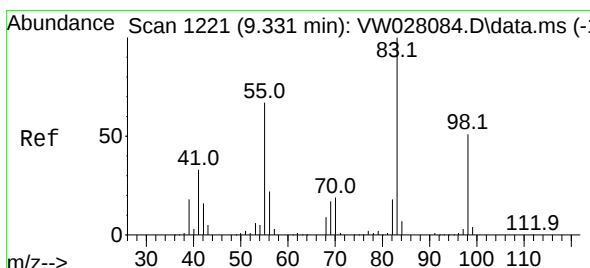
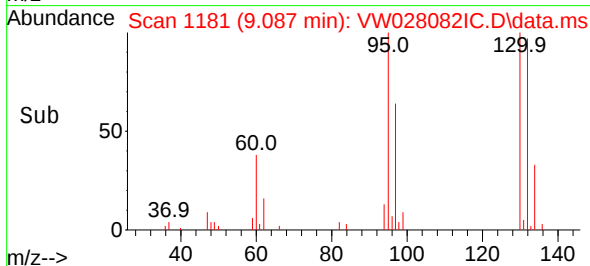
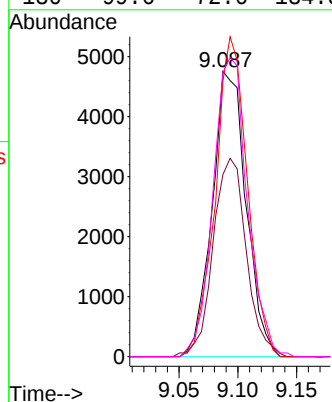
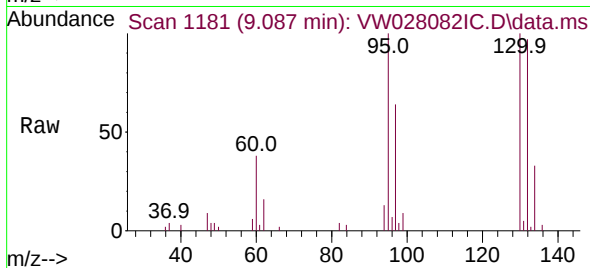
Ion Ratio Lower Upper

95 100

97 63.8 44.5 82.7

132 96.6 68.3 126.9

130 99.6 72.6 134.8



#35

Methylcyclohexane

Concen: 2.518 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

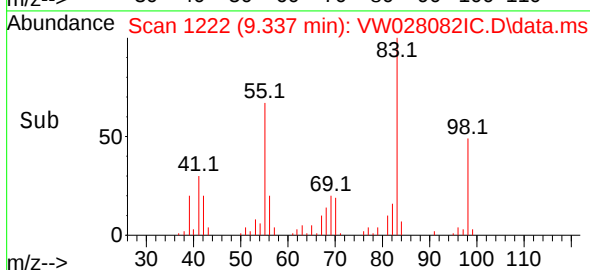
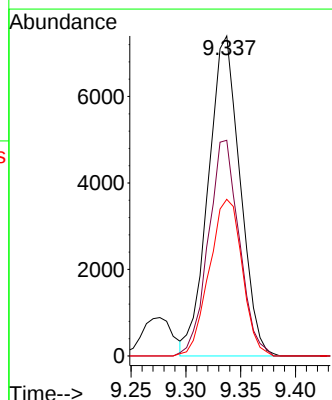
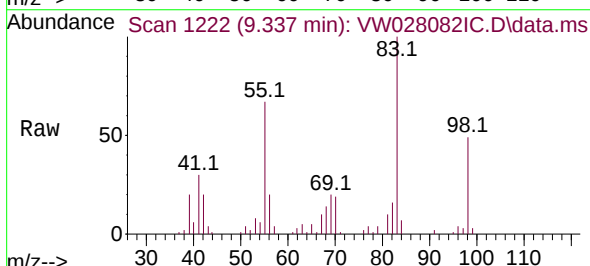
Tgt Ion: 83 Resp: 14930

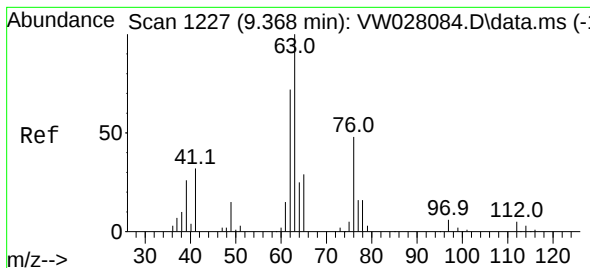
Ion Ratio Lower Upper

83 100

55 65.5 52.1 78.1

98 50.6 42.2 63.4





#37

1,2-Dichloropropane

Concen: 2.613 ug/L

RT: 9.362 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

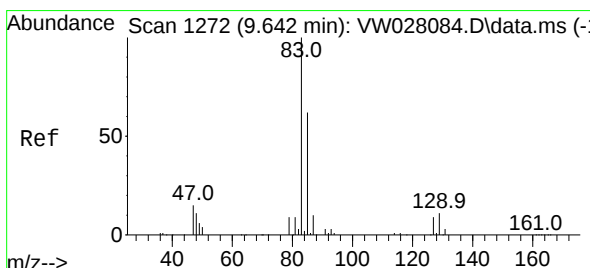
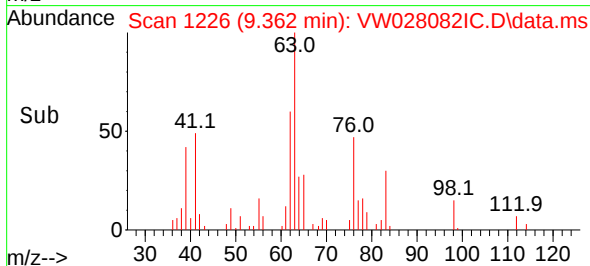
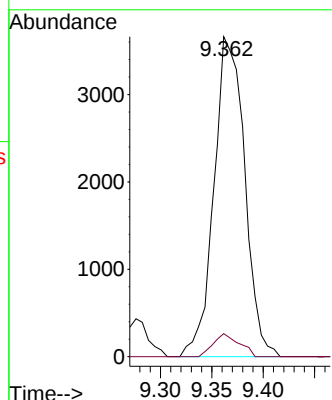
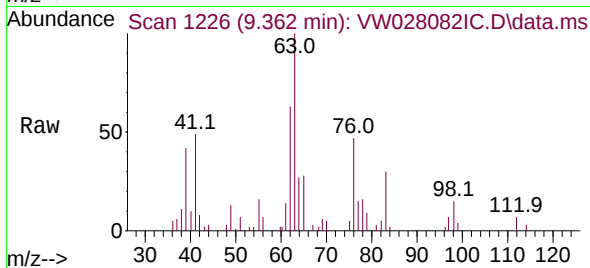
ClientSampleId :

Tgt Ion: 63 Resp: 7607

Ion Ratio Lower Upper

63 100

112 6.1 4.4 6.6



#38

Bromodichloromethane

Concen: 2.498 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

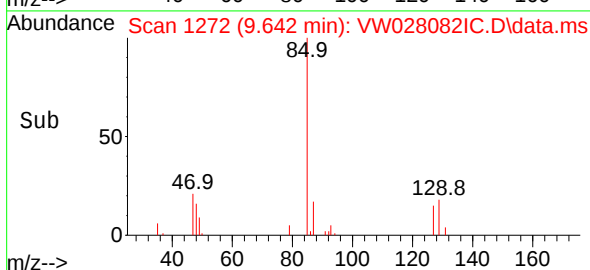
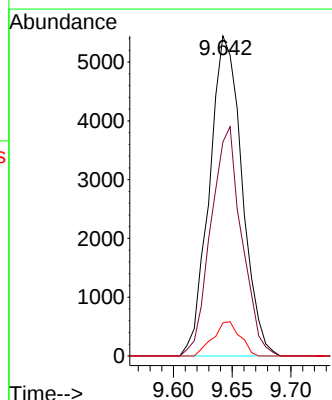
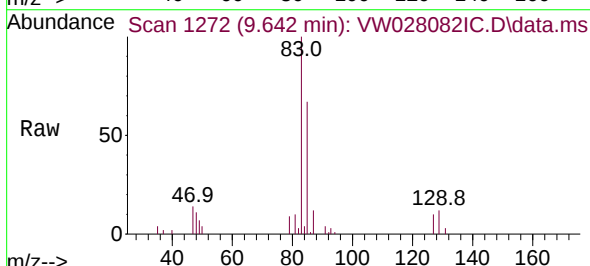
Tgt Ion: 83 Resp: 10504

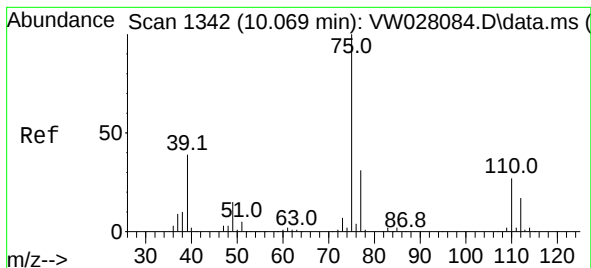
Ion Ratio Lower Upper

83 100

85 66.9 43.3 80.5

127 10.4 6.9 10.3#

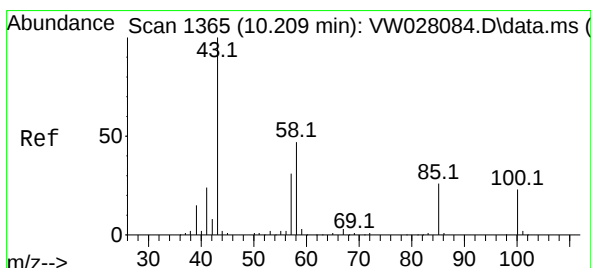
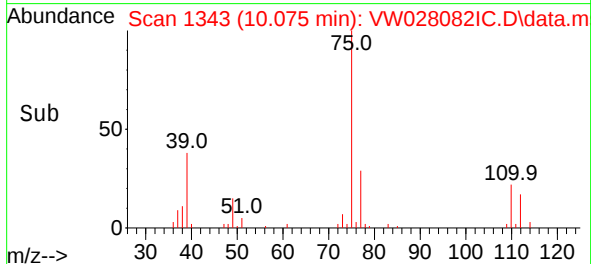
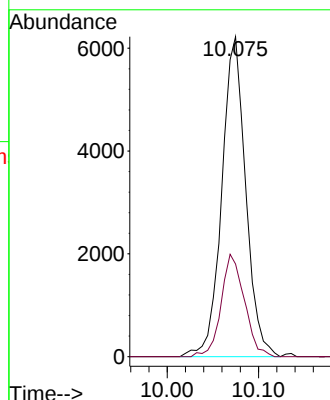
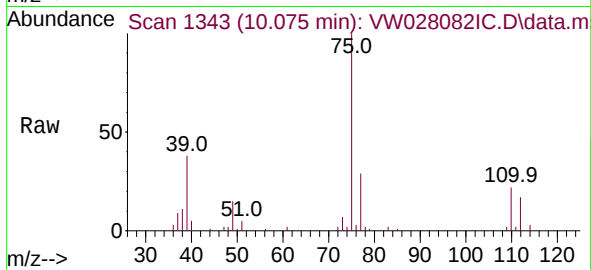




#39
cis-1,3-Dichloropropene
Concen: 2.367 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

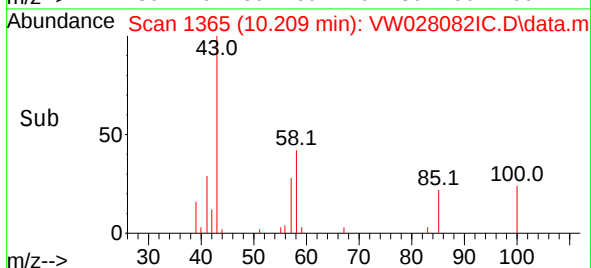
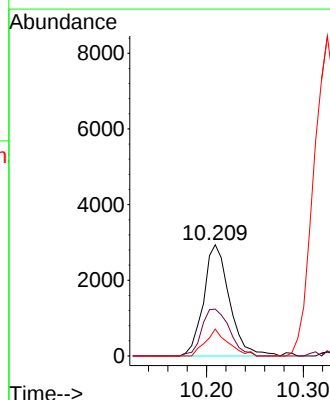
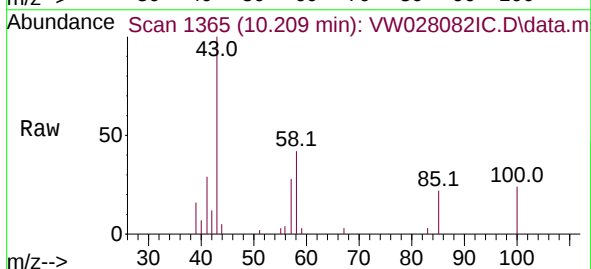
Instrument :
MSVOA_W
ClientSampleId :

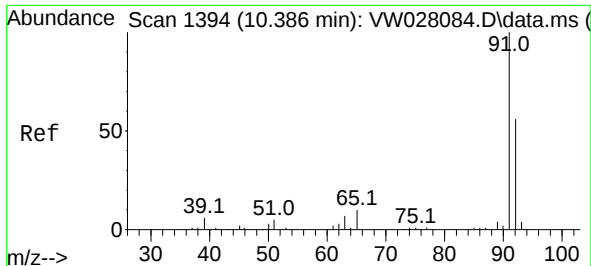
Tgt Ion: 75 Resp: 11332
Ion Ratio Lower Upper
75 100
77 28.9 21.7 40.3



#40
4-Methyl-2-pentanone
Concen: 4.715 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Tgt Ion: 43 Resp: 5453
Ion Ratio Lower Upper
43 100
58 45.1 37.8 56.8
100 21.1 18.2 27.4





#42

Toluene

Concen: 2.498 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

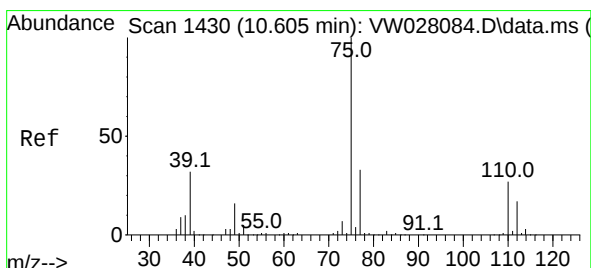
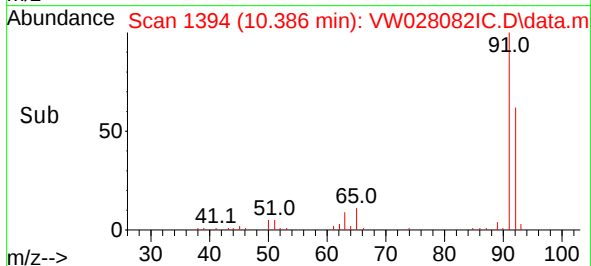
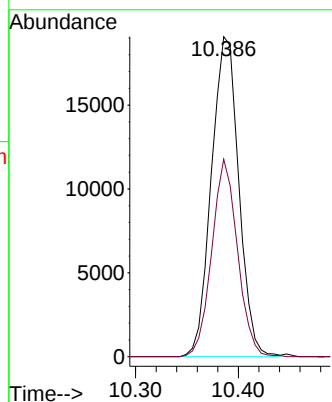
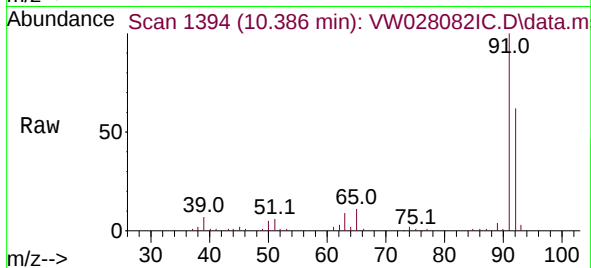
ClientSampleId :

Tgt Ion: 91 Resp: 35288

Ion Ratio Lower Upper

91 100

92 61.7 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 2.301 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028082IC.D

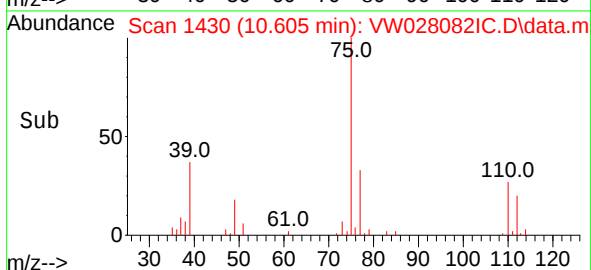
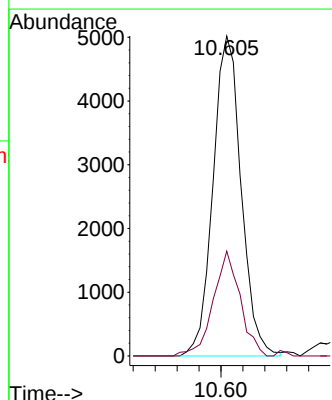
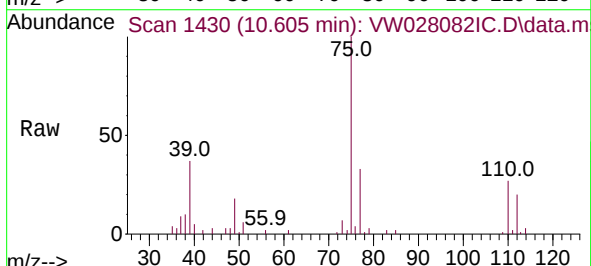
Acq: 29 Feb 2024 10:03

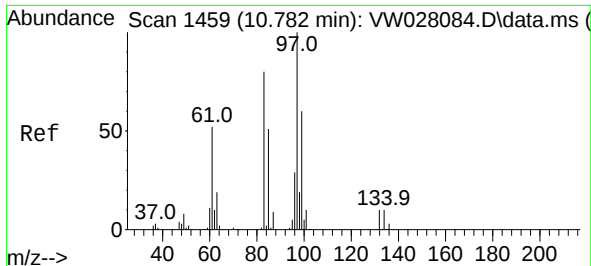
Tgt Ion: 75 Resp: 8951

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 2.637 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 6439

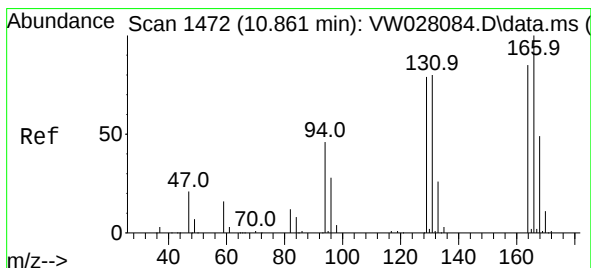
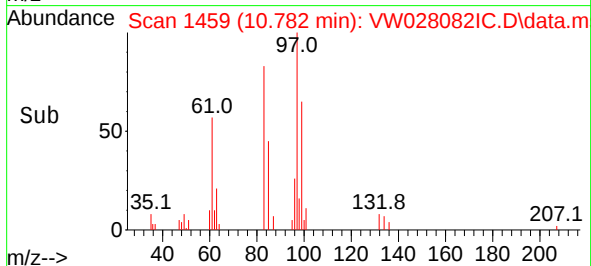
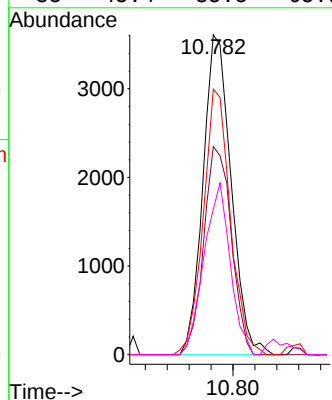
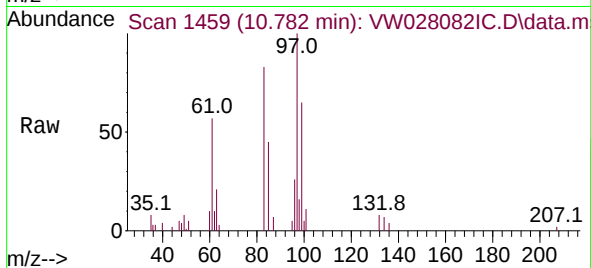
Ion Ratio Lower Upper

97 100

99 65.1 41.9 77.7

83 83.0 56.1 104.1

85 45.4 35.5 65.9



#46

Tetrachloroethene

Concen: 2.579 ug/L

RT: 10.867 min Scan# 1473

Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Tgt Ion:164 Resp: 7919

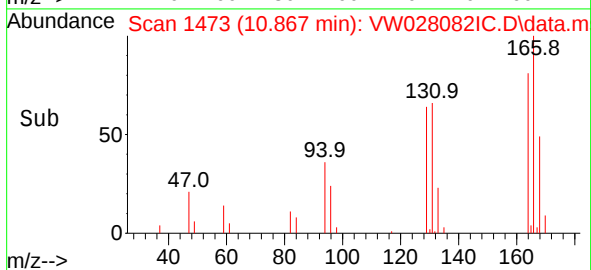
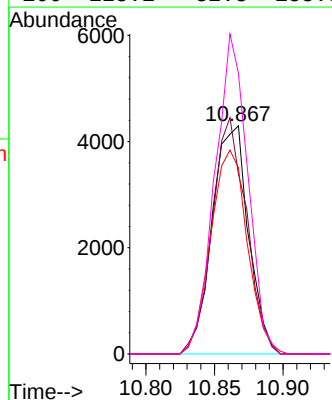
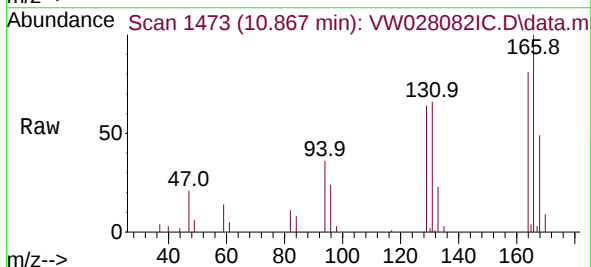
Ion Ratio Lower Upper

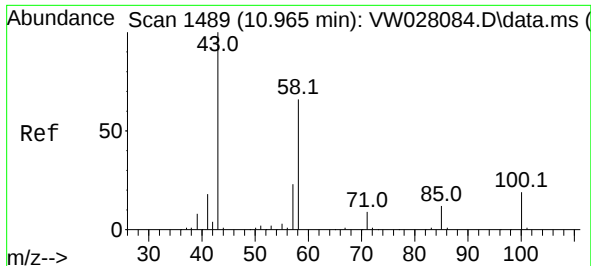
164 100

129 78.8 65.2 121.0

131 81.6 66.2 123.0

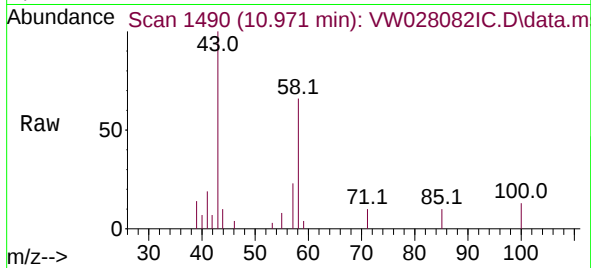
166 123.1 82.8 153.8



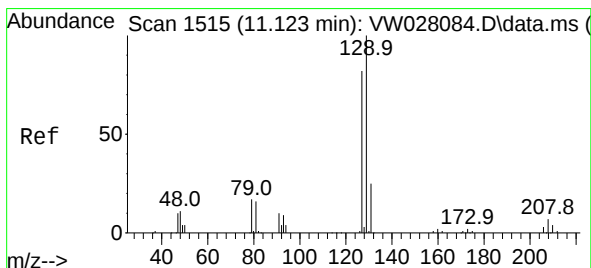
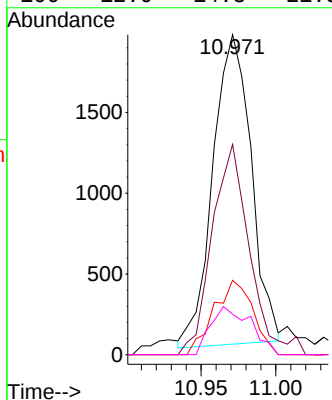
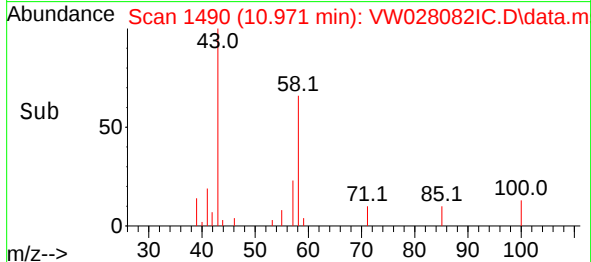


#48
2-Hexanone
Concen: 3.650 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Instrument :
MSVOA_W
ClientSampleId :

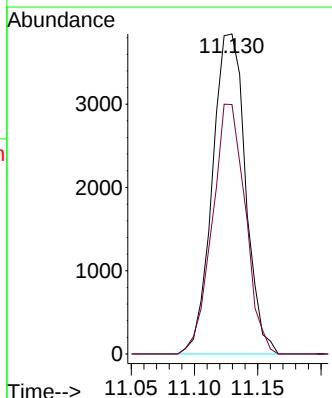
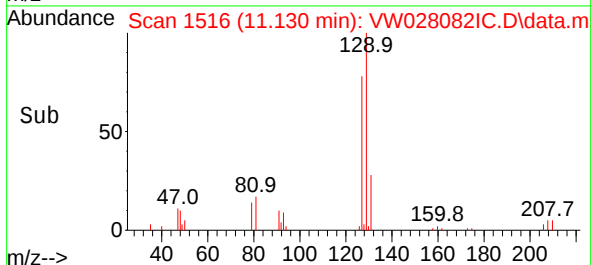
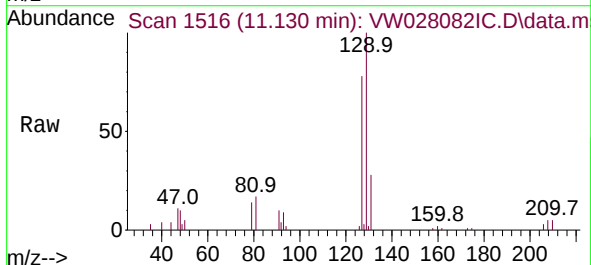


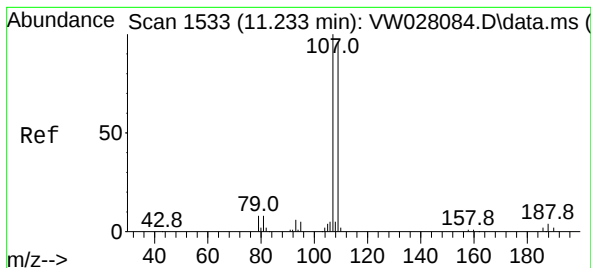
Tgt Ion: 43 Resp: 3413
Ion Ratio Lower Upper
43 100
58 65.2 51.8 77.8
57 24.5 18.2 27.4
100 12.0 14.3 21.5#



#49
Dibromochloromethane
Concen: 2.466 ug/L
RT: 11.130 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Tgt Ion: 129 Resp: 7001
Ion Ratio Lower Upper
129 100
127 77.9 57.1 106.1





#50

1,2-Dibromoethane

Concen: 2.492 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

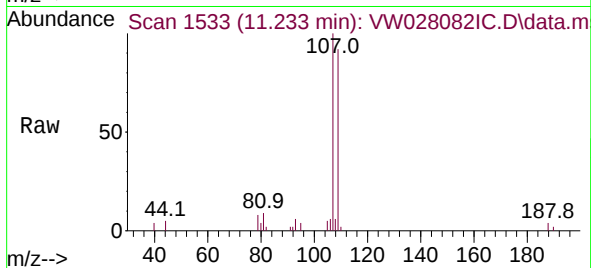
Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :



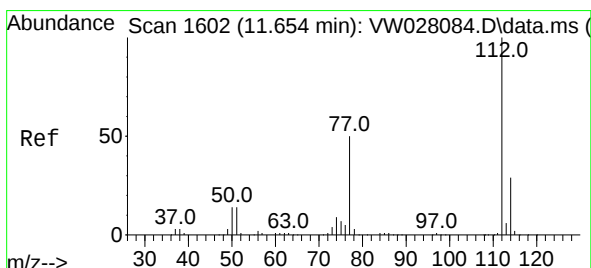
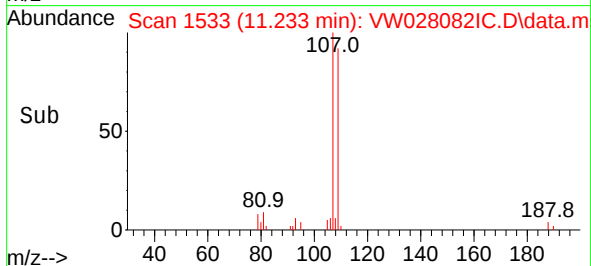
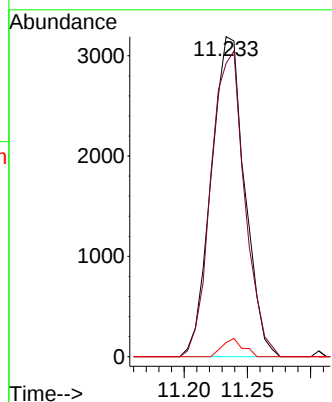
Tgt Ion:107 Resp: 5861

Ion Ratio Lower Upper

107 100

109 91.6 67.5 125.3

188 4.4 3.1 4.7



#51

Chlorobenzene

Concen: 2.602 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

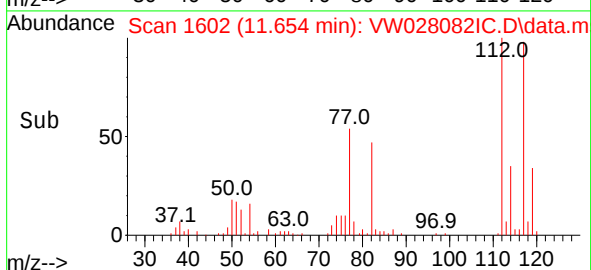
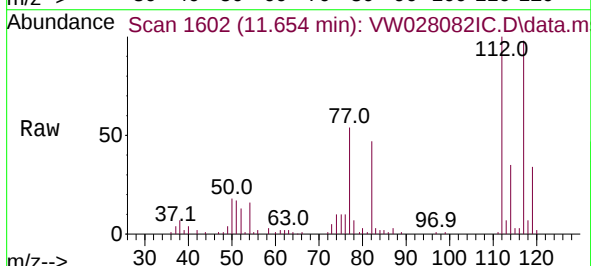
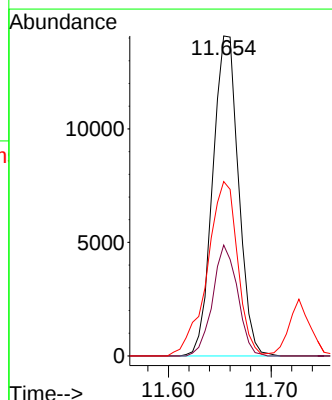
Tgt Ion:112 Resp: 24523

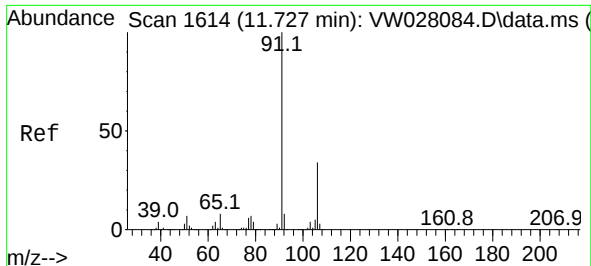
Ion Ratio Lower Upper

112 100

114 34.6 20.6 38.4

77 54.5 40.0 60.0





#52

Ethylbenzene

Concen: 2.437 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

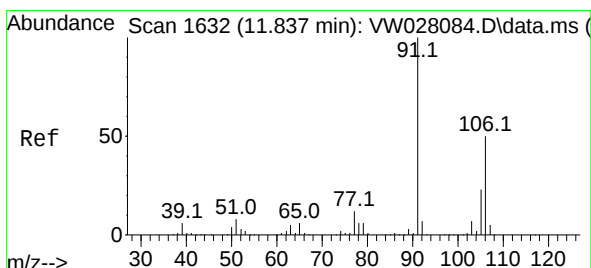
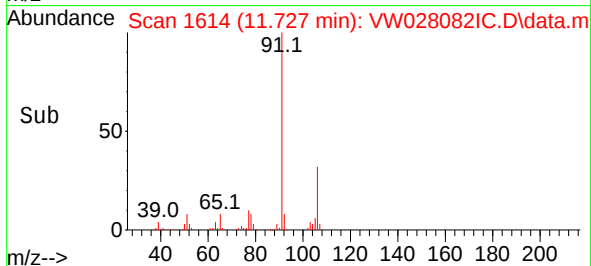
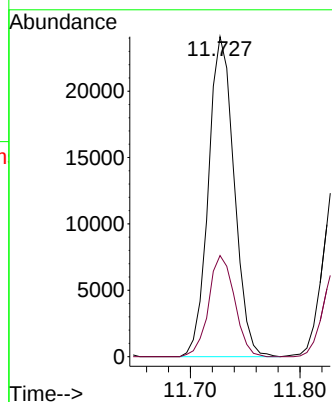
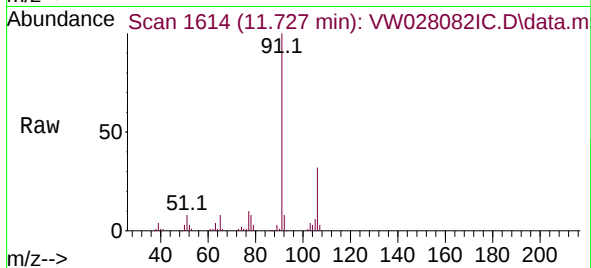
ClientSampleId :

Tgt Ion: 91 Resp: 39367

Ion Ratio Lower Upper

91 100

106 31.6 23.8 44.2



#53

m,p-Xylene

Concen: 2.467 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028082IC.D

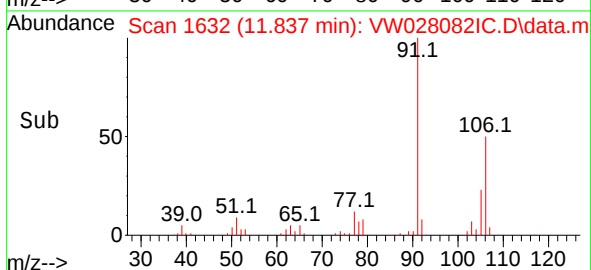
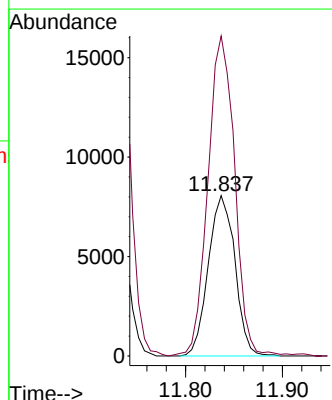
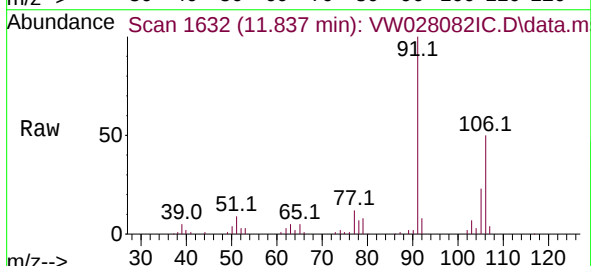
Acq: 29 Feb 2024 10:03

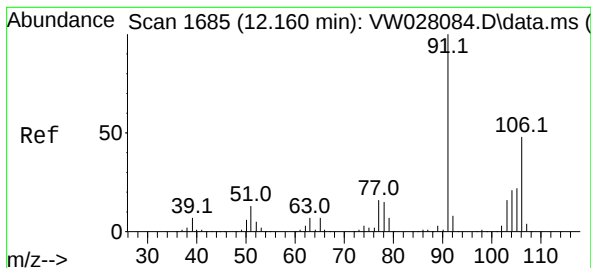
Tgt Ion:106 Resp: 15458

Ion Ratio Lower Upper

106 100

91 199.5 139.7 259.4





#54

o-Xylene

Concen: 2.338 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

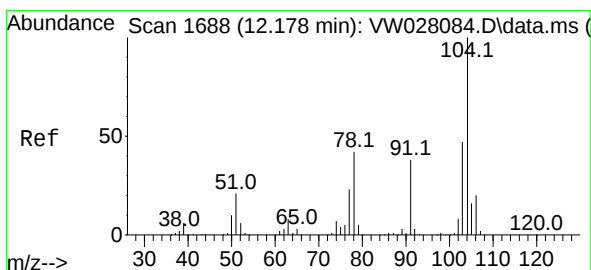
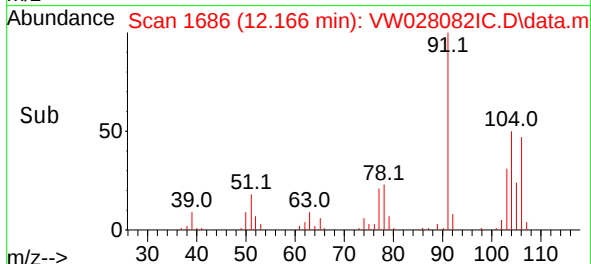
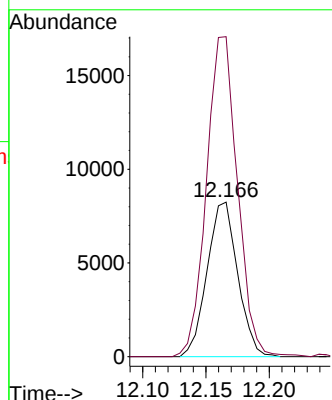
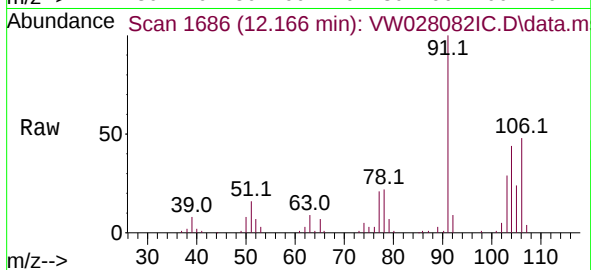
ClientSampleId :

Tgt Ion:106 Resp: 13865

Ion Ratio Lower Upper

106 100

91 207.1 145.2 269.6



#55

Styrene

Concen: 2.320 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW028082IC.D

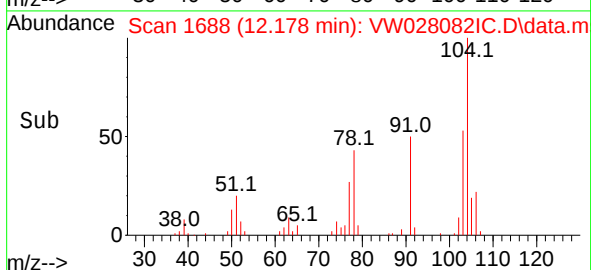
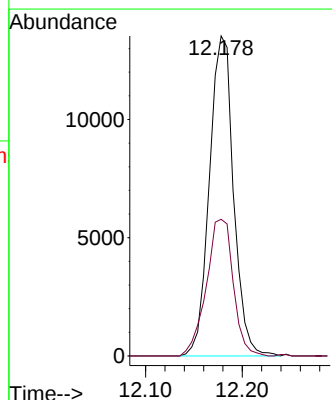
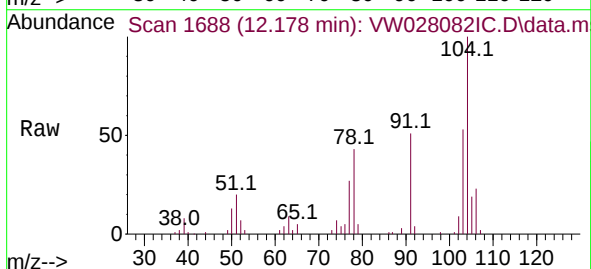
Acq: 29 Feb 2024 10:03

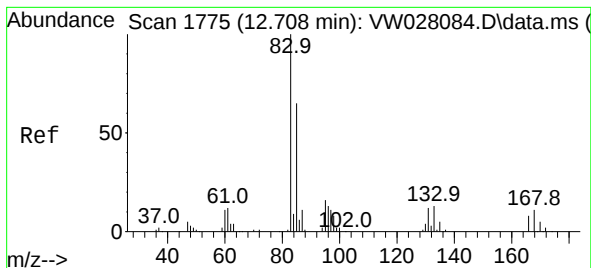
Tgt Ion:104 Resp: 23470

Ion Ratio Lower Upper

104 100

78 42.7 29.1 54.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.664 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :

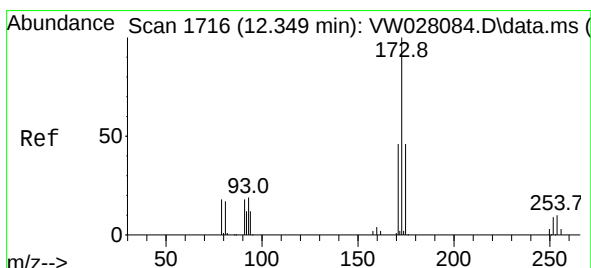
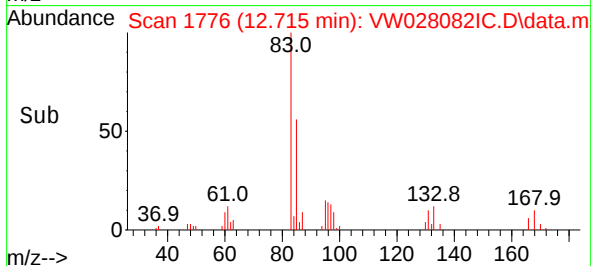
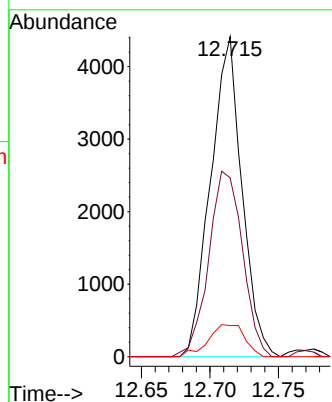
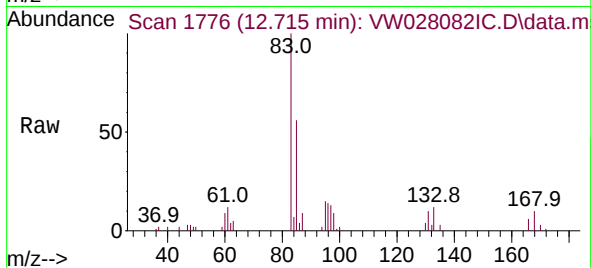
Tgt Ion: 83 Resp: 7015

Ion Ratio Lower Upper

83 100

85 55.9 45.7 84.9

131 9.7 9.7 14.5



#59

Bromoform

Concen: 2.609 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

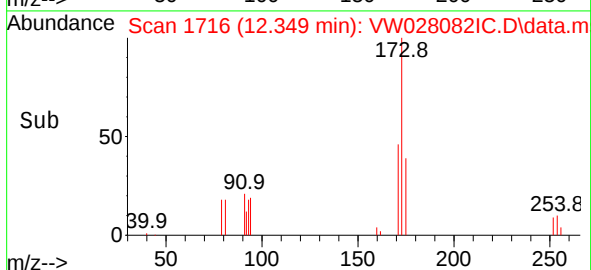
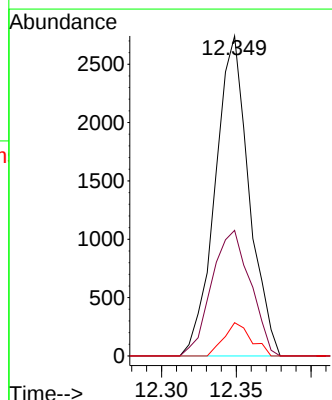
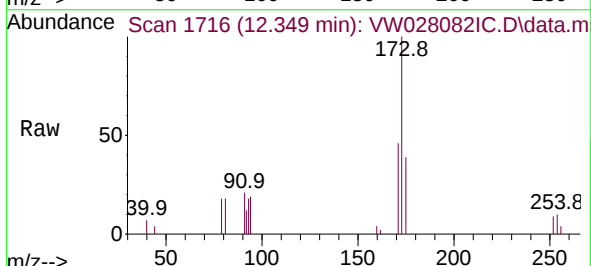
Tgt Ion:173 Resp: 4306

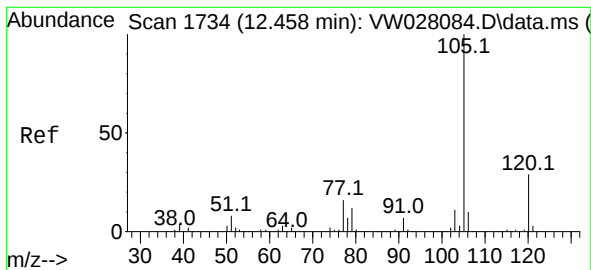
Ion Ratio Lower Upper

173 100

175 45.0 37.2 55.8

254 8.4 8.5 12.7#





#60

Isopropylbenzene

Concen: 2.477 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028082IC.D

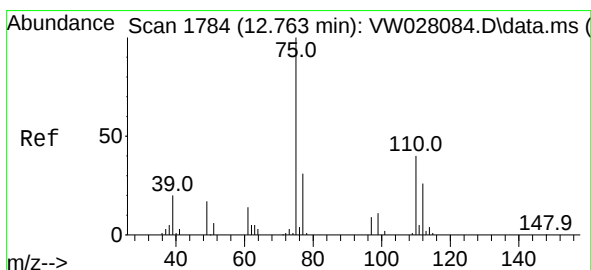
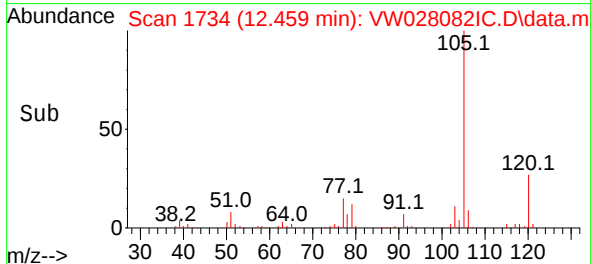
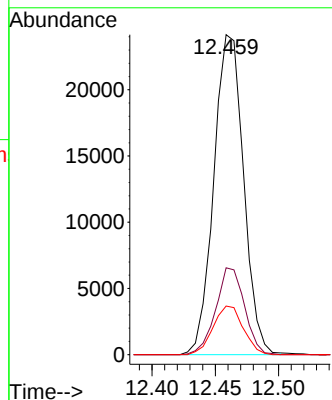
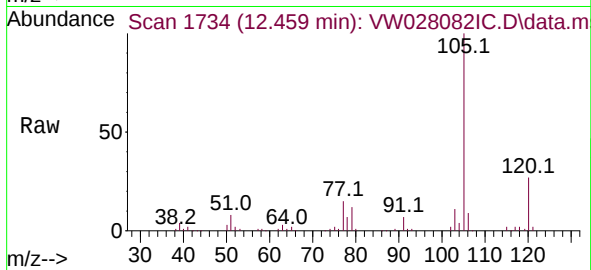
Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:105	Resp:	39552
Ion Ratio	Lower	Upper
105	100	
120	26.2	22.2 33.2
77	15.4	11.8 17.6



#61

1,2,3-Trichloropropane

Concen: 2.679 ug/L

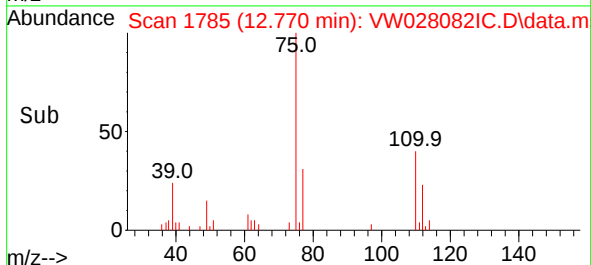
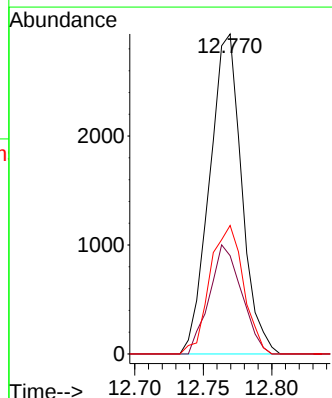
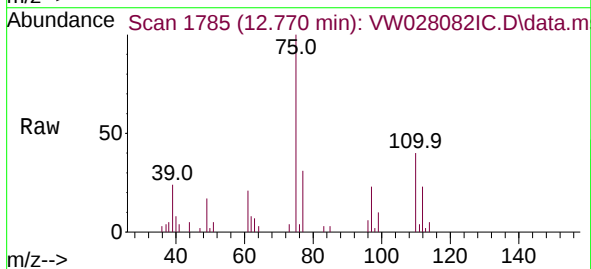
RT: 12.770 min Scan# 1785

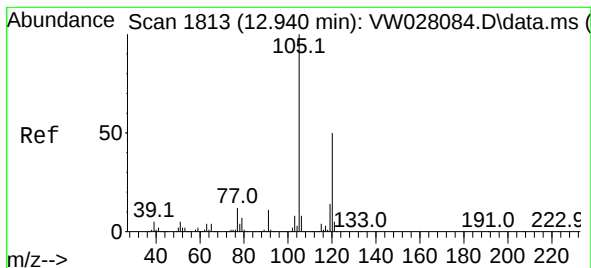
Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Tgt Ion: 75	Resp:	4794
Ion Ratio	Lower	Upper
75	100	
77	34.1	25.9 38.9
110	41.9	34.1 51.1

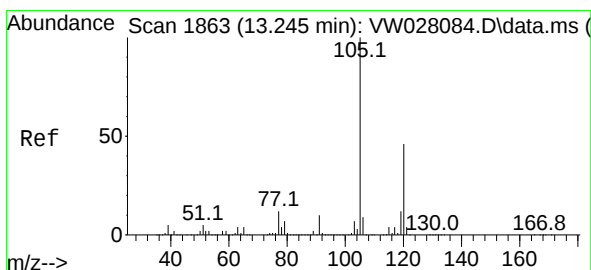
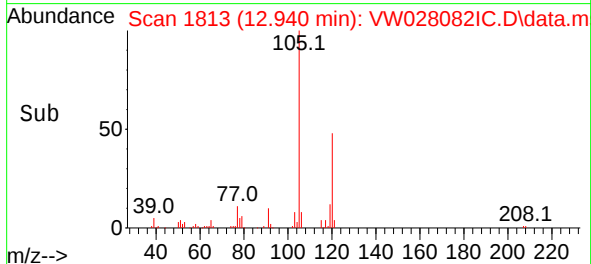
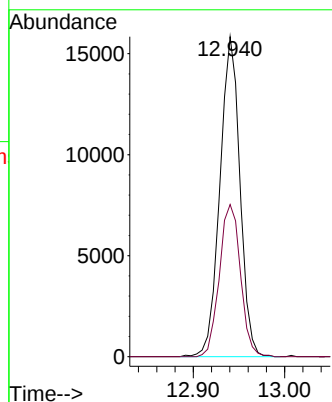
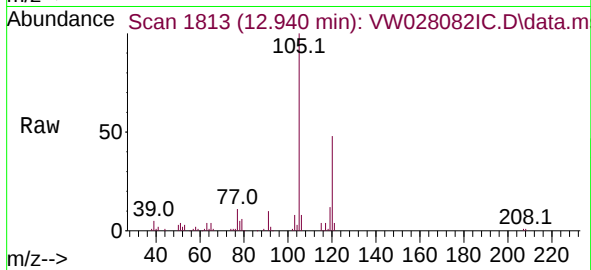




#62
1,3,5-Trimethylbenzene
Concen: 2.307 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

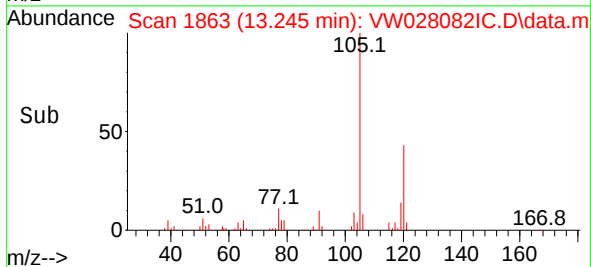
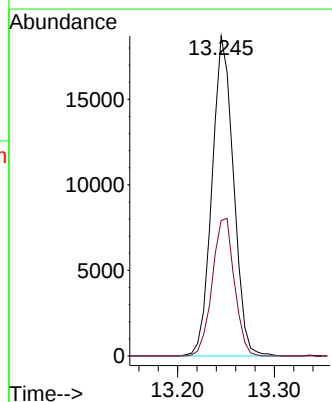
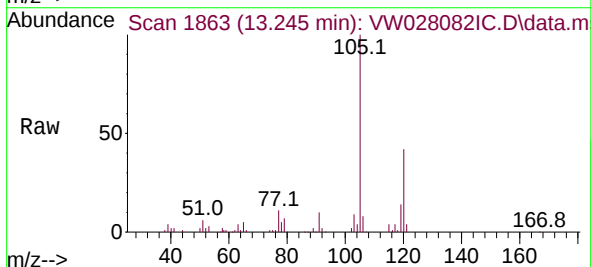
Instrument :
MSVOA_W
ClientSampleId :

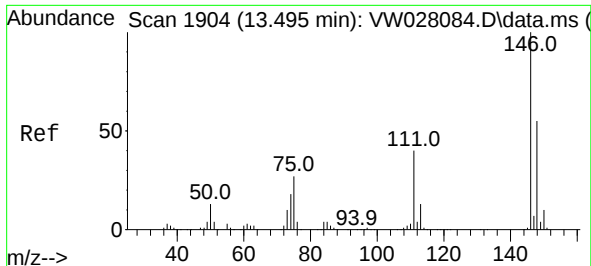
Tgt Ion:105 Resp: 24152
Ion Ratio Lower Upper
105 100
120 50.0 38.6 58.0



#63
1,2,4-Trimethylbenzene
Concen: 2.315 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

Tgt Ion:105 Resp: 28898
Ion Ratio Lower Upper
105 100
120 44.1 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 2.578 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

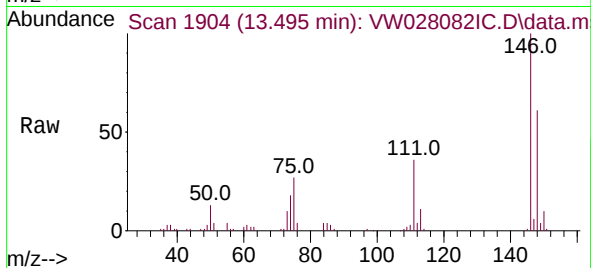
Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :



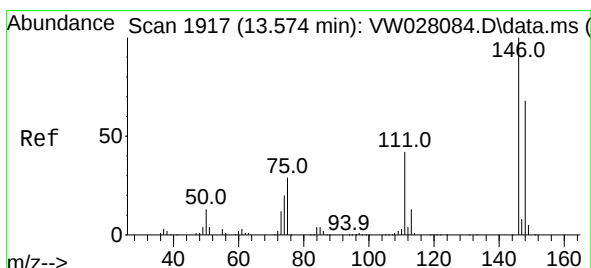
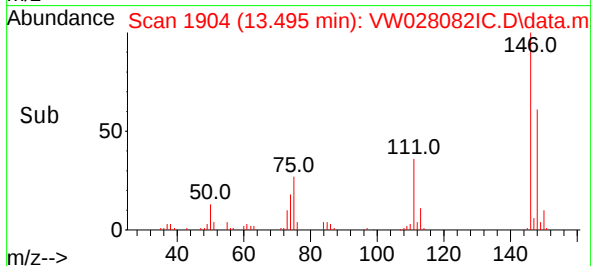
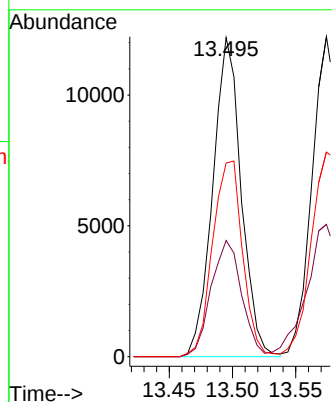
Tgt Ion:146 Resp: 19029

Ion Ratio Lower Upper

146 100

111 36.4 27.9 51.9

148 60.7 38.7 71.9



#65

1,4-Dichlorobenzene

Concen: 2.702 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

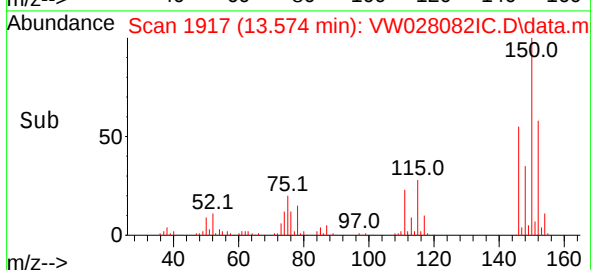
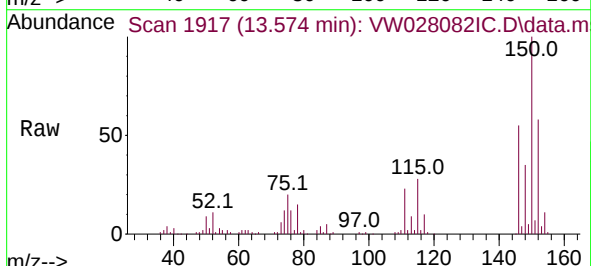
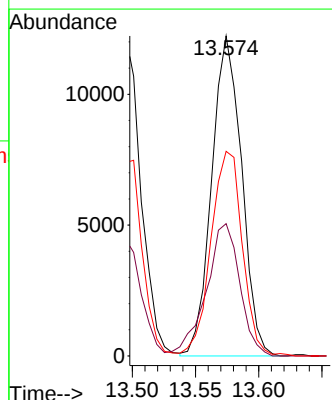
Tgt Ion:146 Resp: 20130

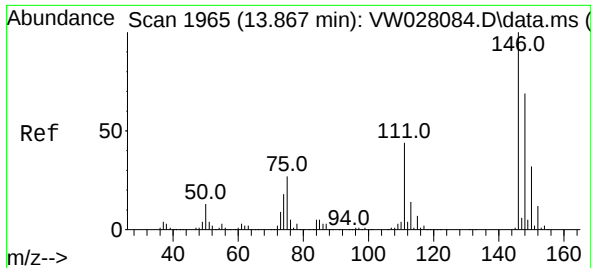
Ion Ratio Lower Upper

146 100

111 41.4 29.3 54.5

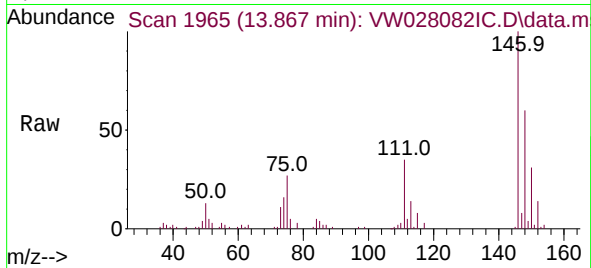
148 64.0 47.5 88.1



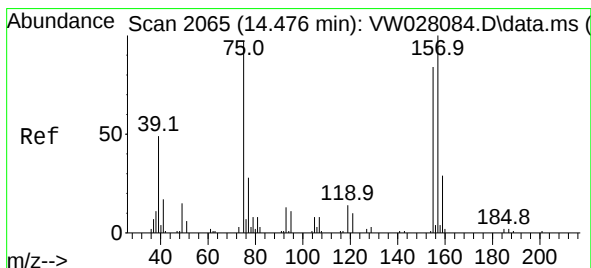
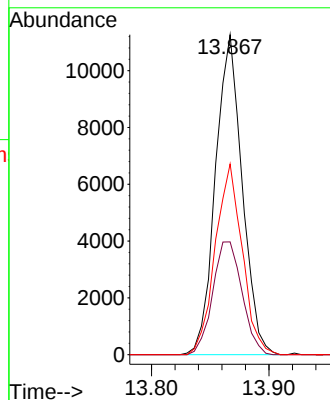
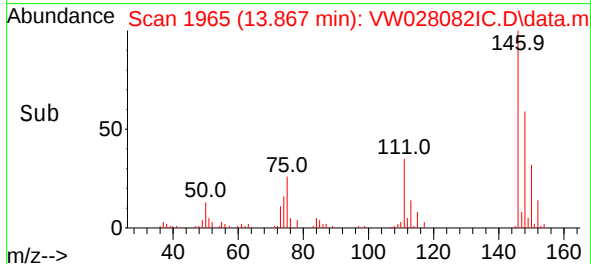


#67
1,2-Dichlorobenzene
Concen: 2.680 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03

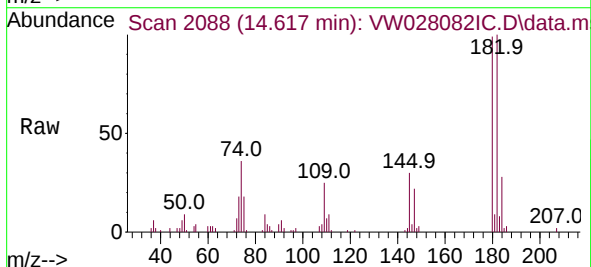
Instrument :
MSVOA_W
ClientSampleId :



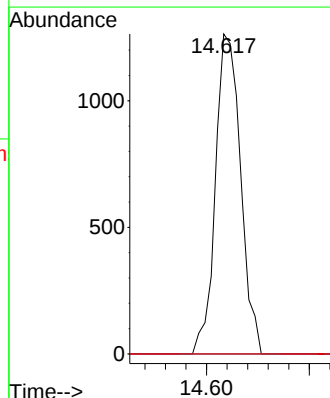
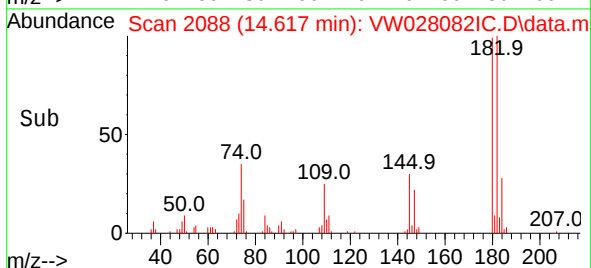
Tgt Ion:146 Resp: 17818
Ion Ratio Lower Upper
146 100
111 35.3 35.4 53.0#
148 59.6 55.4 83.2

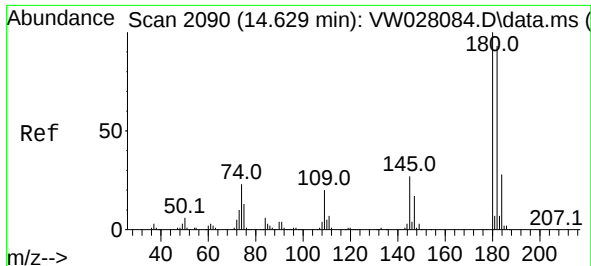


#68
1,2-Dibromo-3-chloropropane
Concen: 5.705 ug/L
RT: 14.617 min Scan# 2088
Delta R.T. 0.140 min
Lab File: VW028082IC.D
Acq: 29 Feb 2024 10:03



Tgt Ion: 75 Resp: 2144
Ion Ratio Lower Upper
75 100
155 0.0 69.3 103.9#
157 0.0 82.4 123.6#





#69

1,3,5-Trichlorobenzene

Concen: 2.454 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

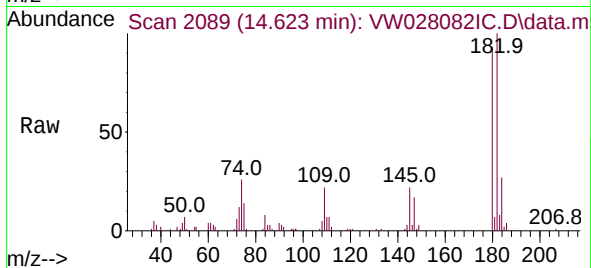
Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 13363

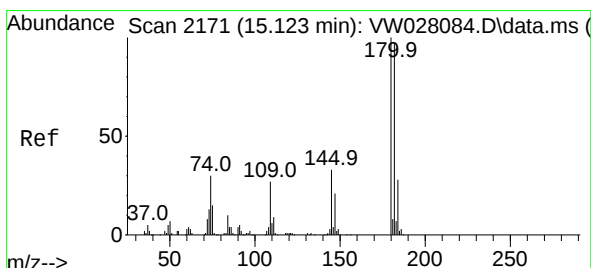
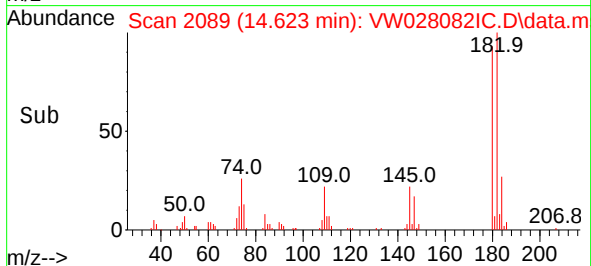
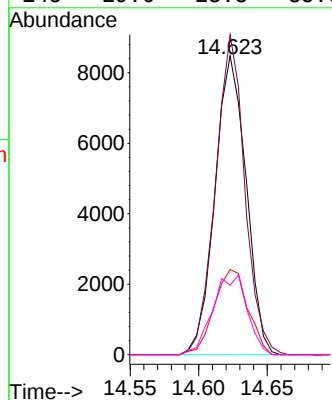
Ion Ratio Lower Upper

180 100

182 100.9 78.2 117.4

184 31.0 25.4 38.2

145 29.6 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 2.588 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

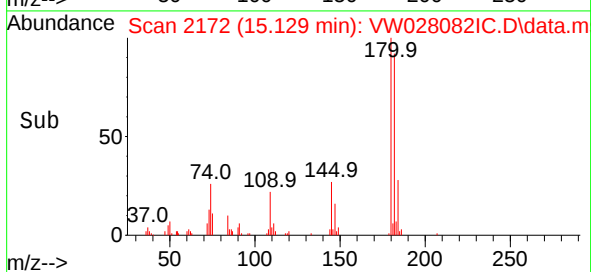
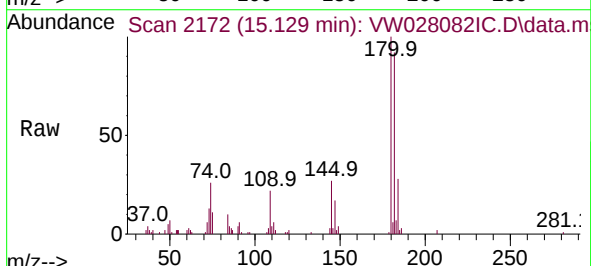
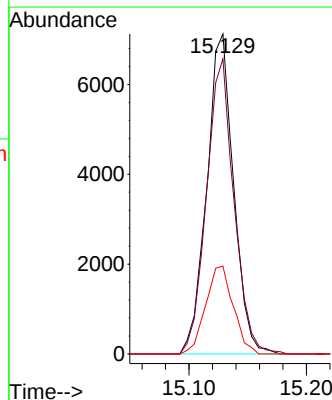
Tgt Ion:180 Resp: 11320

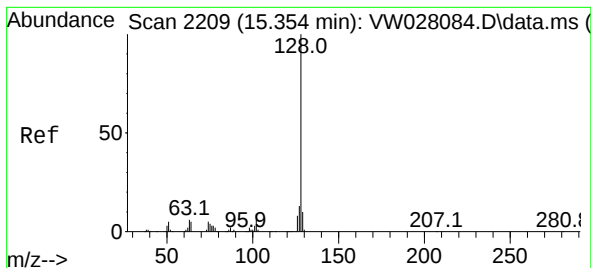
Ion Ratio Lower Upper

180 100

182 94.0 80.1 120.1

145 28.2 24.3 36.5





#71

Naphthalene

Concen: 2.195 ug/L

RT: 15.361 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Instrument :

MSVOA_W

ClientSampleId :

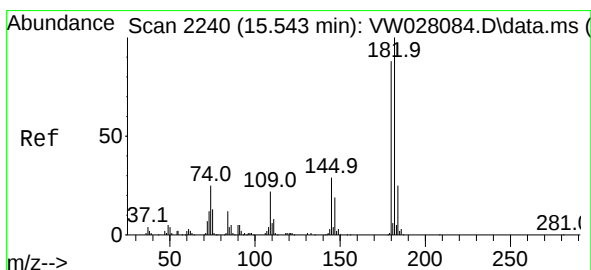
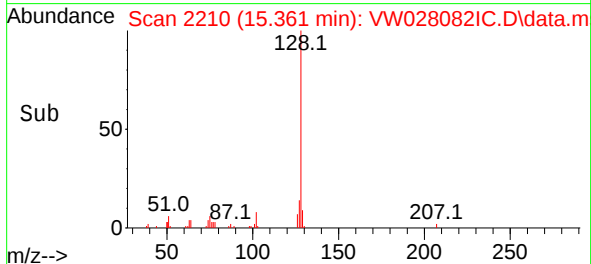
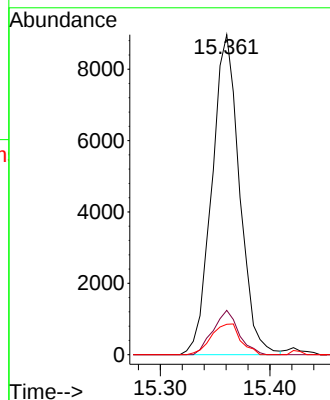
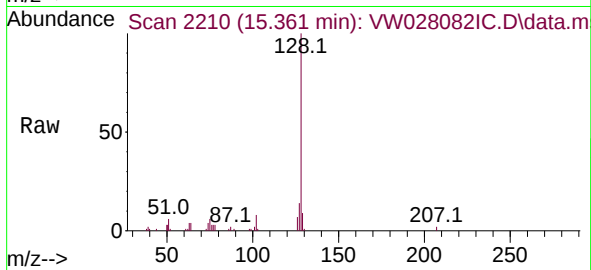
Tgt Ion:128 Resp: 15705

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.2 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 2.673 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VW028082IC.D

Acq: 29 Feb 2024 10:03

Tgt Ion:180 Resp: 9776

Ion Ratio Lower Upper

180 100

182 91.4 81.4 122.2

145 30.2 26.2 39.2

