

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030724\
 Data File : VW028124.D
 Acq On : 07 Mar 2024 14:08
 Operator : SY/MD
 Sample : P1638-04MS
 Misc : 5.05g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 08 00:18:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 08 00:16:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	381989	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	314207	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	123724	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	84269	18.481	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.920%
7) Chloroethane-d5	2.893	69	71139	20.139	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.560%
11) 1,1-Dichloroethene-d2	4.021	65	35334	18.971	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.880%
21) 2-Butanone-d5	7.075	46	20201	31.056	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.120%
24) Chloroform-d	7.648	84	170797	21.110	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.440%
26) 1,2-Dichloroethane-d4	8.307	65	88833	23.592	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.360%
32) Benzene-d6	8.276	84	322787	22.006	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.040%
36) 1,2-Dichloropropane-d6	9.270	67	90266	23.818	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.280%
41) Toluene-d8	10.318	98	266522	19.281	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.120%
43) trans-1,3-Dichloroprop...	10.575	79	30941	18.631	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.520%
47) 2-Hexanone-d5	10.922	63	19145	35.865	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.740%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	77586	25.939	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.760%
66) 1,2-Dichlorobenzene-d4	13.848	152	73504	19.976	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.920%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	60506	15.504	ug/L	99
3) Chloromethane	2.228	50	75775	20.421	ug/L	100
5) Vinyl chloride	2.381	62	92964	17.978	ug/L	97
6) Bromomethane	2.795	94	75212	18.231	ug/L	92
8) Chloroethane	2.936	64	63835	19.657	ug/L	97
9) Trichlorofluoromethane	3.271	101	73912	15.324	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	38108	7.600	ug/L #	1
12) 1,1-Dichloroethene	4.051	96	82068	17.283	ug/L	93
13) Acetone	4.118	43	27857	30.639	ug/L	99
14) Carbon disulfide	4.399	76	213467	14.758	ug/L	99
15) Methyl Acetate	4.673	43	30666	23.863	ug/L	97
16) Methylene chloride	4.917	84	113734	21.645	ug/L	94
17) trans-1,2-Dichloroethene	5.435	96	93267	18.382	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	177990	28.644	ug/L	99
19) 1,1-Dichloroethane	6.222	63	174672	21.772	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	115954	21.715	ug/L	97
22) 2-Butanone	7.173	43	38464	37.880	ug/L	98
23) Bromochloromethane	7.514	128	59855	23.877	ug/L	96
25) Chloroform	7.679	83	200358	22.359	ug/L	97

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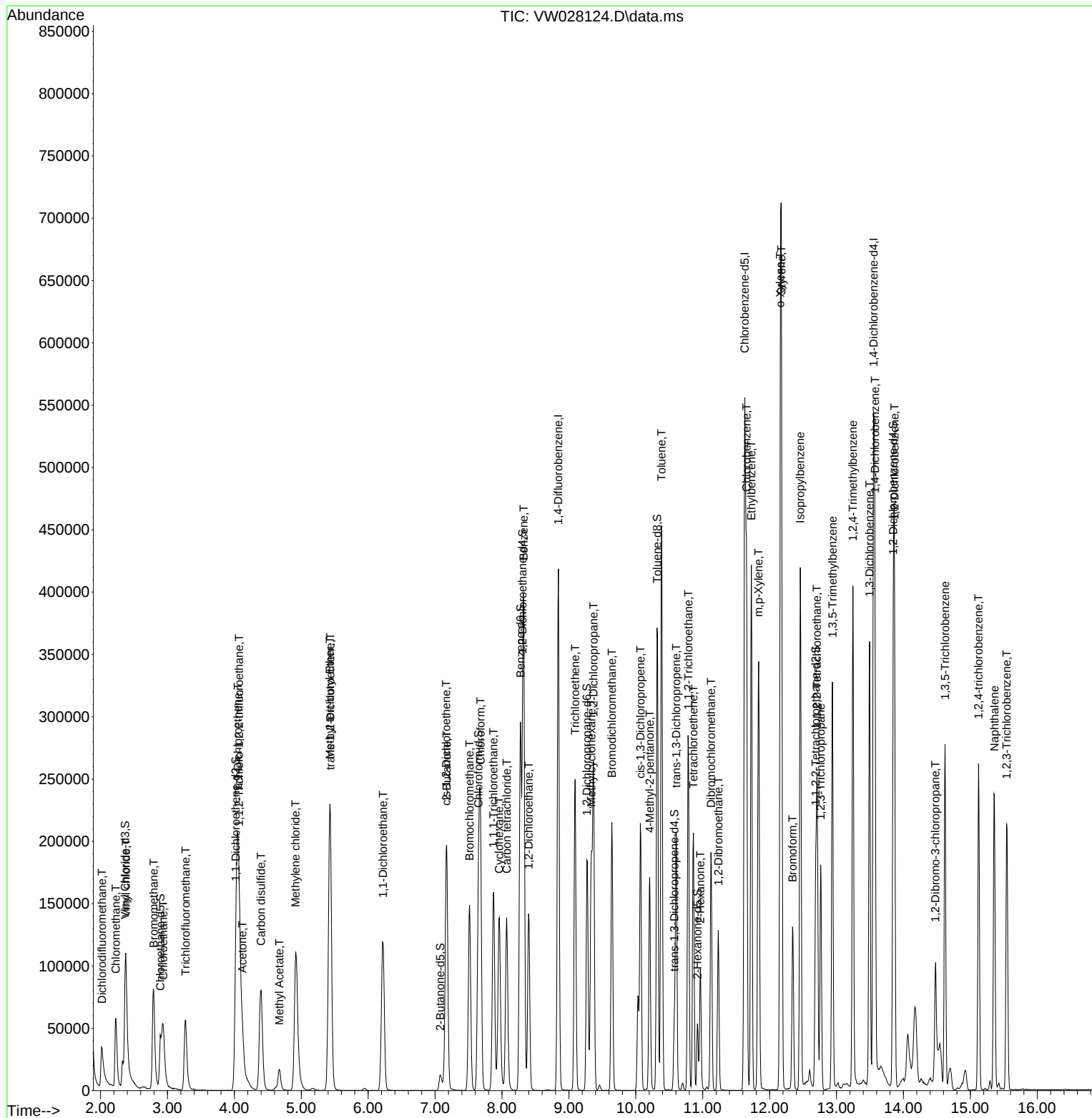
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	137799	25.861	ug/L	98
29) Cyclohexane	7.959	56	80370	13.302	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	136138	19.405	ug/L	99
31) Carbon tetrachloride	8.069	117	111047	16.951	ug/L	100
33) Benzene	8.325	78	373295	21.991	ug/L	100
34) Trichloroethene	9.093	95	87228	17.538	ug/L	95
35) Methylcyclohexane	9.337	83	83881	10.420	ug/L	96
37) 1,2-Dichloropropane	9.367	63	99369	25.137	ug/L	99
38) Bromodichloromethane	9.642	83	149061	26.106	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	133879	20.595	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	100096	63.752	ug/L	98
42) Toluene	10.386	91	359317	18.734	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	120868	22.888	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	93376	28.166	ug/L	100
46) Tetrachloroethene	10.861	164	48065	11.531	ug/L	90
48) 2-Hexanone	10.965	43	55687	43.865	ug/L	98
49) Dibromochloromethane	11.123	129	103752	26.921	ug/L	90
50) 1,2-Dibromoethane	11.233	107	84319	26.407	ug/L	99
51) Chlorobenzene	11.654	112	234665	18.336	ug/L	99
52) Ethylbenzene	11.727	91	298930	13.632	ug/L	98
53) m,p-Xylene	11.836	106	116819	13.730	ug/L	98
54) o-Xylene	12.160	106	133816	16.619	ug/L	98
55) Styrene	12.178	104	244620	17.813	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	104740	29.301	ug/L	99
59) Bromoform	12.342	173	59546	33.949	ug/L	93
60) Isopropylbenzene	12.458	105	250459	14.756	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	73467	38.628	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	181466	16.306	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	217071	16.357	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	151601	19.326	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	154097	19.458	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	156990	22.217	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	16642	41.661	ug/L	87
69) 1,3,5-Trichlorobenzene	14.623	180	86114	14.875	ug/L	98
70) 1,2,4-trichlorobenzene	15.122	180	89127	19.171	ug/L	88
71) Naphthalene	15.360	128	216799	28.513	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	75926	19.530	ug/L	95

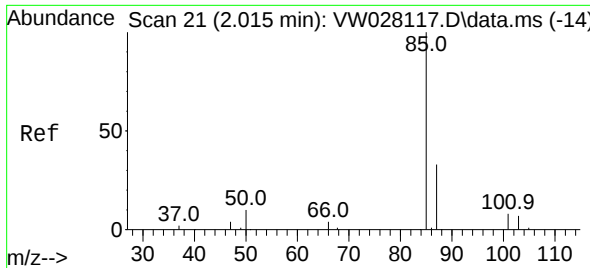
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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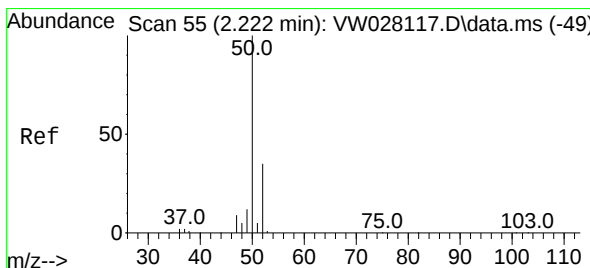
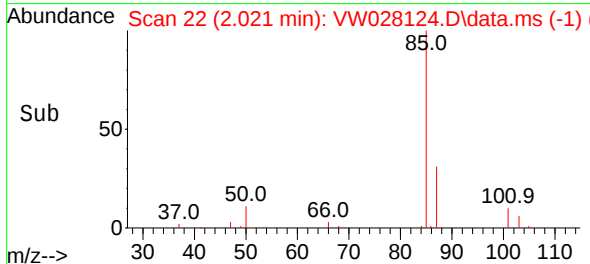
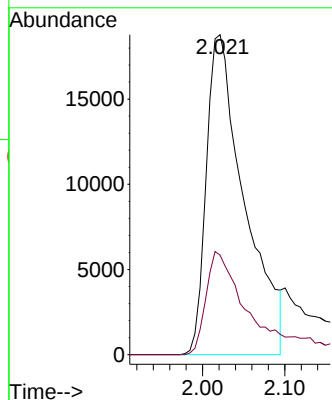
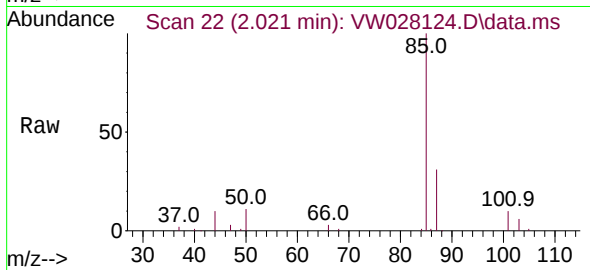




#2
 Dichlorodifluoromethane
 Concen: 15.504 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW028124.D
 Acq: 07 Mar 2024 14:08

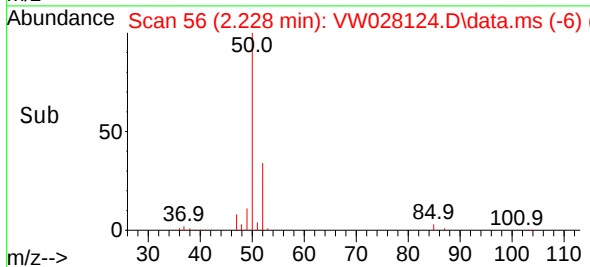
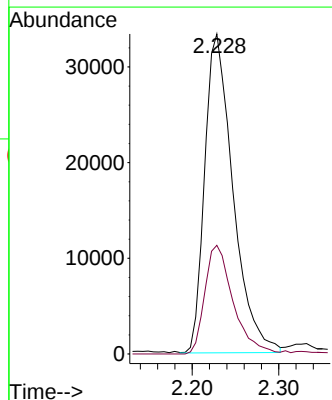
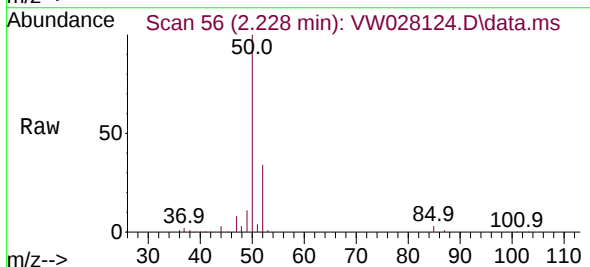
Instrument :
 MSVOA_W
 ClientSampleId :

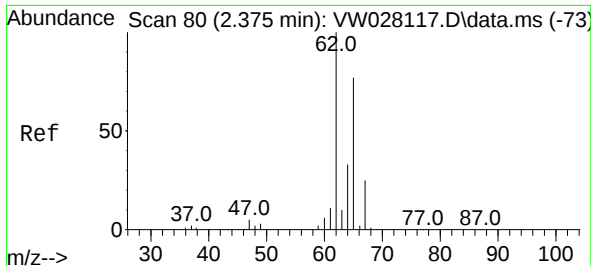
Tgt Ion: 85 Resp: 60506
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.6 39.8



#3
 Chloromethane
 Concen: 20.421 ug/L
 RT: 2.228 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW028124.D
 Acq: 07 Mar 2024 14:08

Tgt Ion: 50 Resp: 75775
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.7 43.9

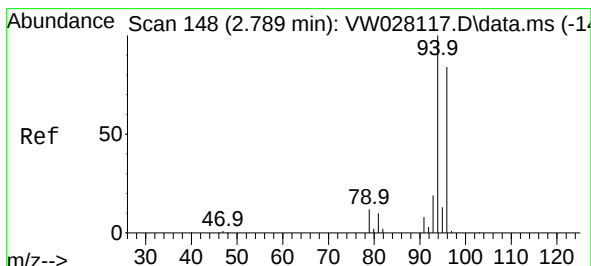
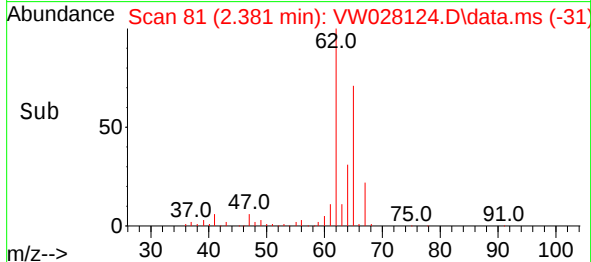
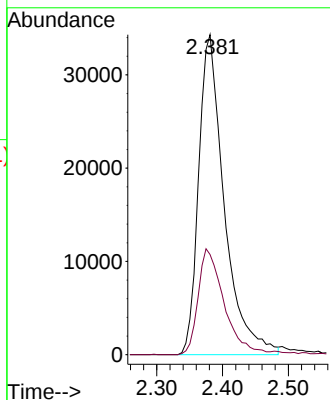
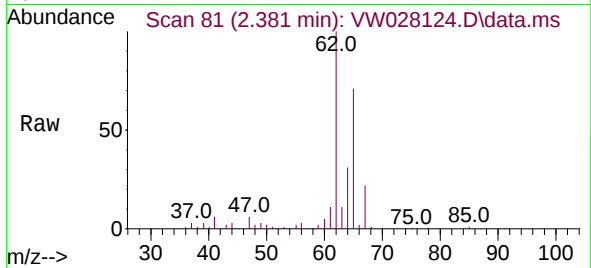




#5
 Vinyl chloride
 Concen: 17.978 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VW028124.D
 Acq: 07 Mar 2024 14:08

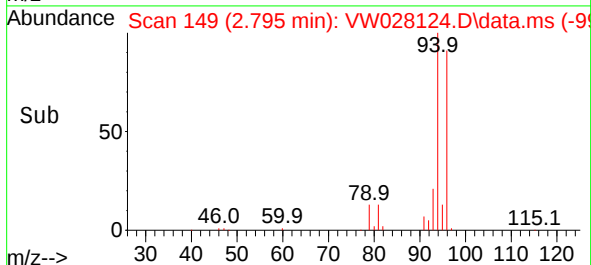
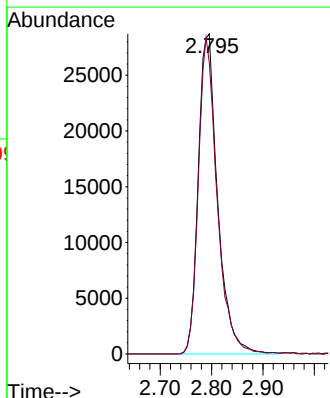
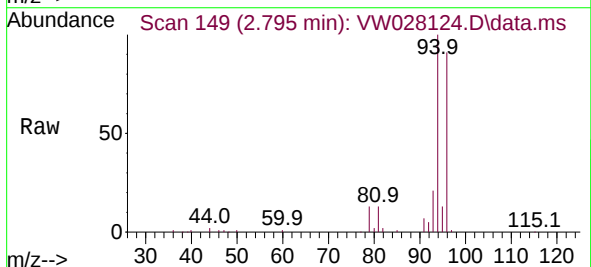
Instrument :
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 ClientSampleId :

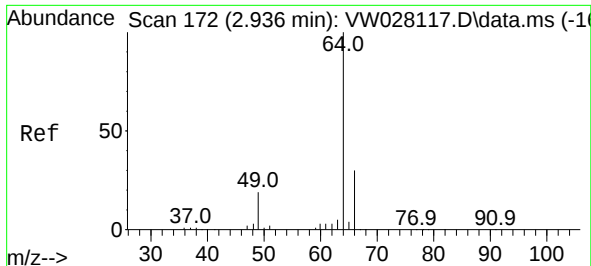
Tgt Ion: 62 Resp: 92964
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.2 43.0



#6
 Bromomethane
 Concen: 18.231 ug/L
 RT: 2.795 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VW028124.D
 Acq: 07 Mar 2024 14:08

Tgt Ion: 94 Resp: 75212
 Ion Ratio Lower Upper
 94 100
 96 91.2 69.1 128.3

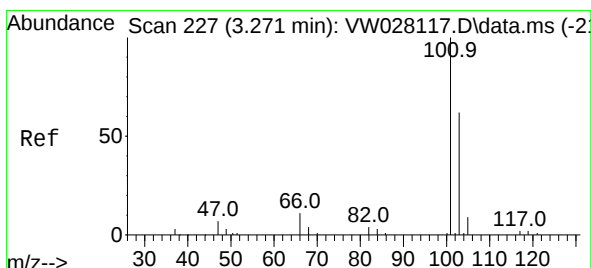
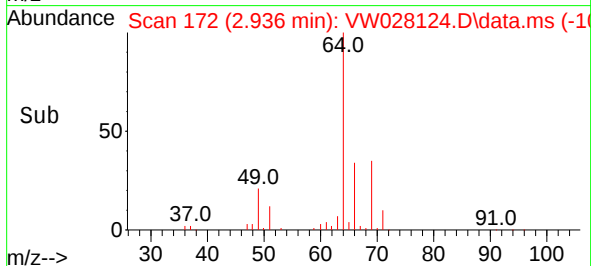
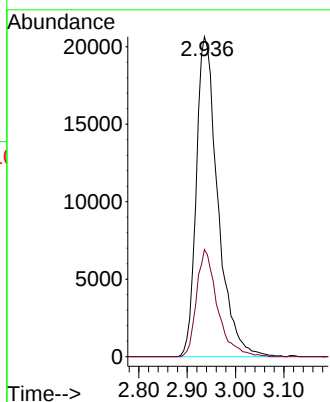
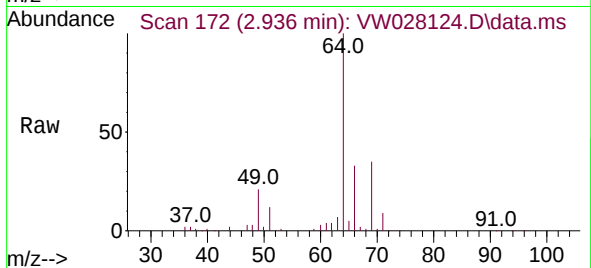




#8
Chloroethane
Concen: 19.657 ug/L
RT: 2.936 min Scan# 172
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

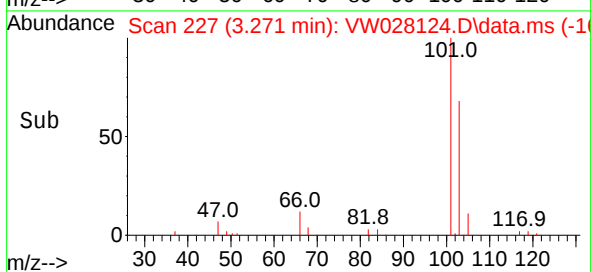
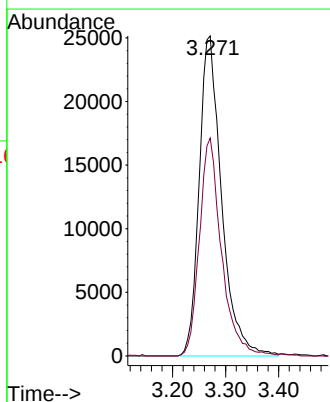
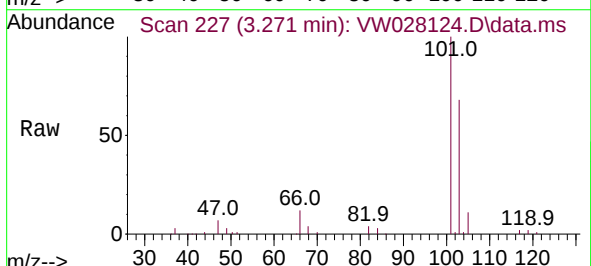
Instrument :
MSVOA_W
ClientSampleId :

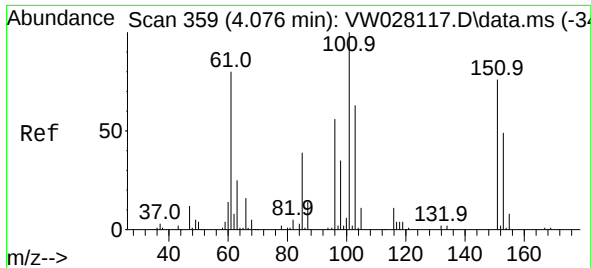
Tgt Ion: 64 Resp: 63835
Ion Ratio Lower Upper
64 100
66 33.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 15.324 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion:101 Resp: 73912
Ion Ratio Lower Upper
101 100
103 66.2 52.6 78.8





#10

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

Concen: 7.600 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

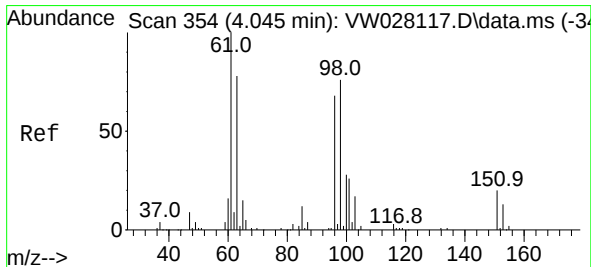
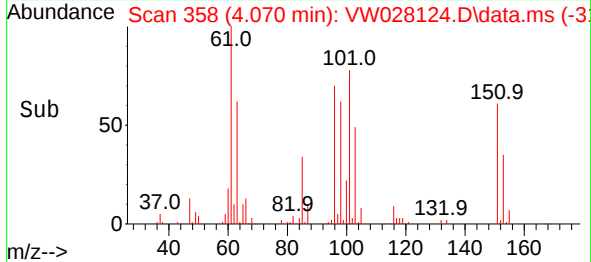
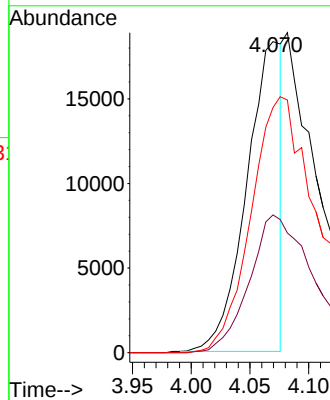
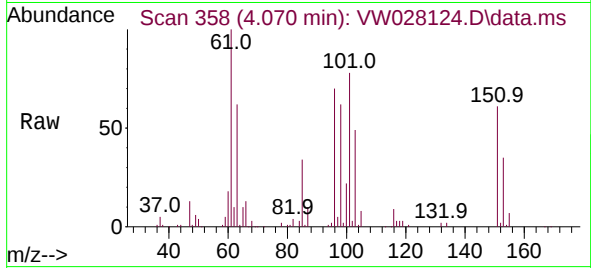
Tgt Ion:101 Resp: 38108

Ion Ratio Lower Upper

101 100

85 91.7 33.1 49.7#

151 165.9 53.7 80.5#



#12

1,1-Dichloroethene

Concen: 17.283 ug/L

RT: 4.051 min Scan# 355

Delta R.T. 0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

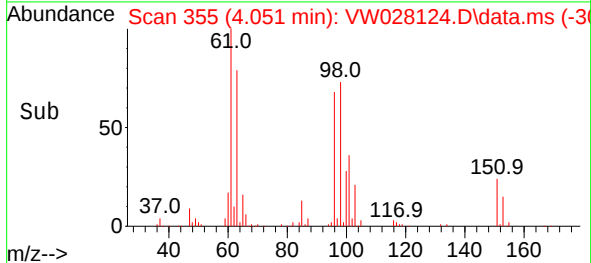
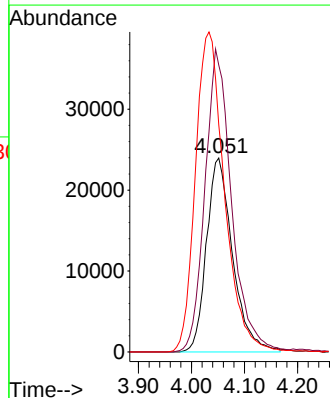
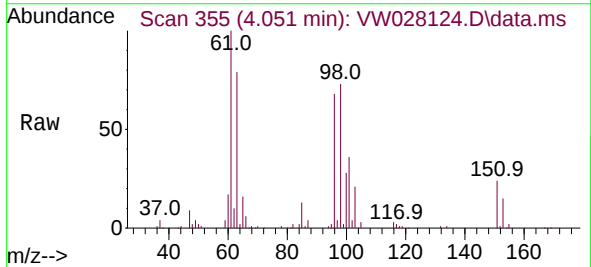
Tgt Ion: 96 Resp: 82068

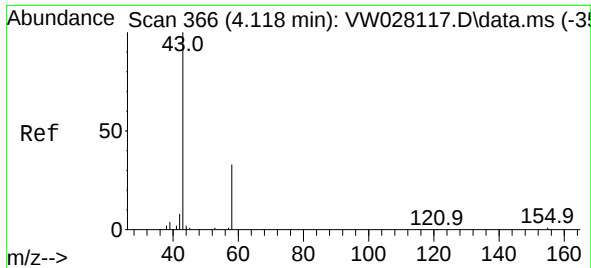
Ion Ratio Lower Upper

96 100

61 148.0 100.5 186.7

63 117.2 72.9 135.5





#13

Acetone

Concen: 30.639 ug/L

RT: 4.118 min Scan# 366

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

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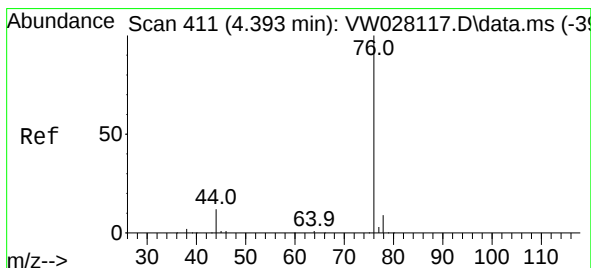
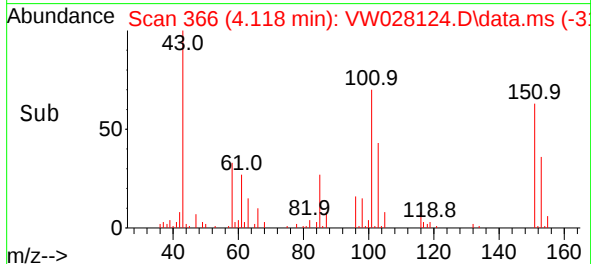
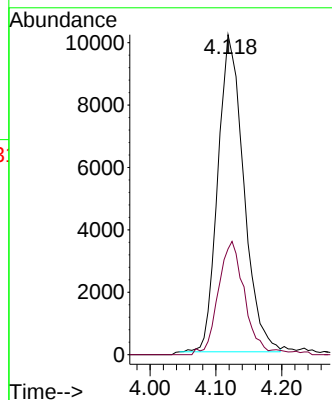
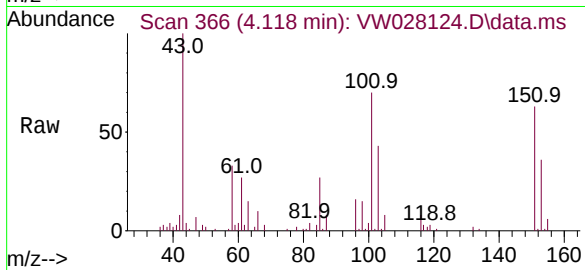
ClientSampleId :

Tgt Ion: 43 Resp: 27857

Ion Ratio Lower Upper

43 100

58 35.3 0.0 70.0



#14

Carbon disulfide

Concen: 14.758 ug/L

RT: 4.399 min Scan# 412

Delta R.T. 0.006 min

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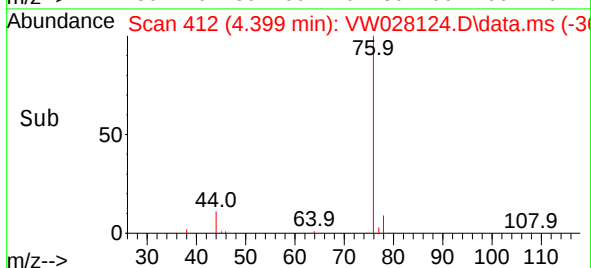
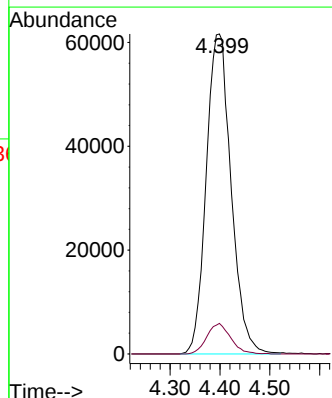
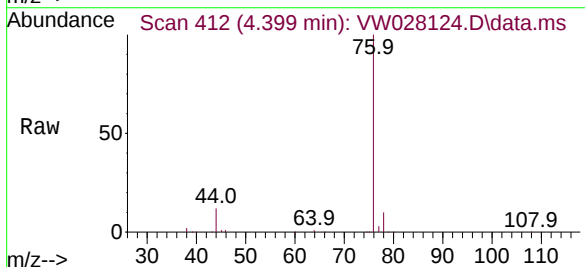
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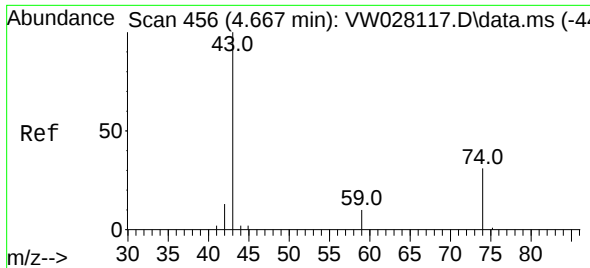
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Ion Ratio Lower Upper

76 100

78 9.6 7.9 11.9

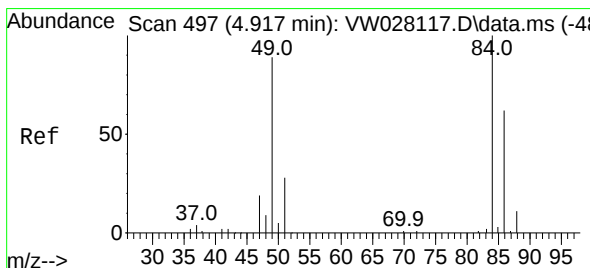
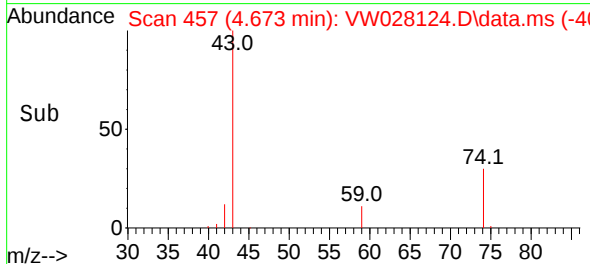
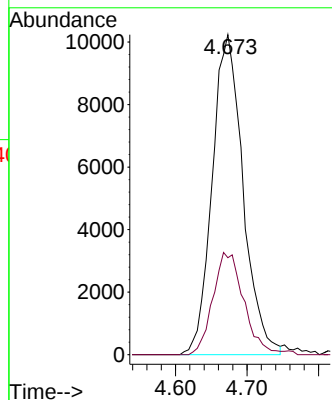
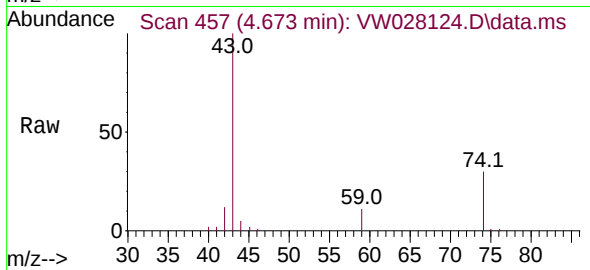




#15
Methyl Acetate
Concen: 23.863 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

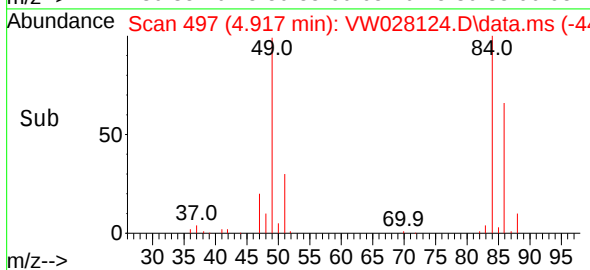
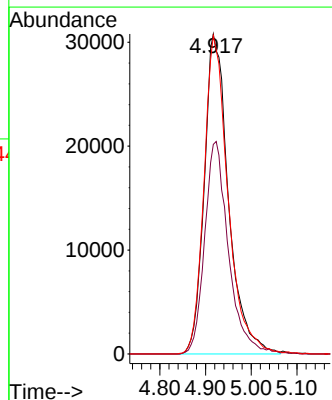
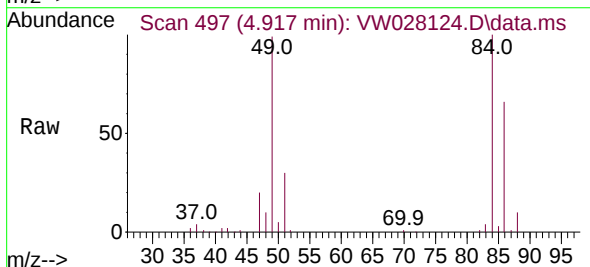
Instrument :
MSVOA_W
ClientSampleId :

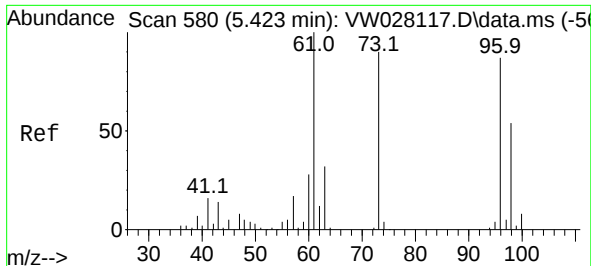
Tgt Ion: 43 Resp: 30666
Ion Ratio Lower Upper
43 100
74 32.0 24.3 36.5



#16
Methylene chloride
Concen: 21.645 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion: 84 Resp: 113734
Ion Ratio Lower Upper
84 100
86 65.5 41.2 76.6
49 99.5 66.5 123.5





#17

trans-1,2-Dichloroethene

Concen: 18.382 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.012 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

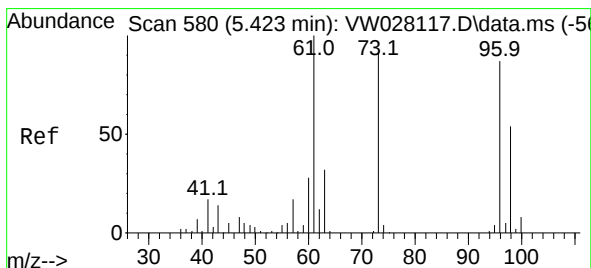
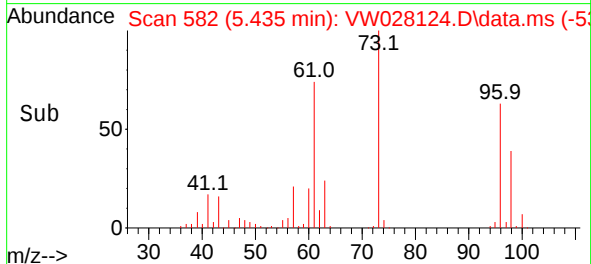
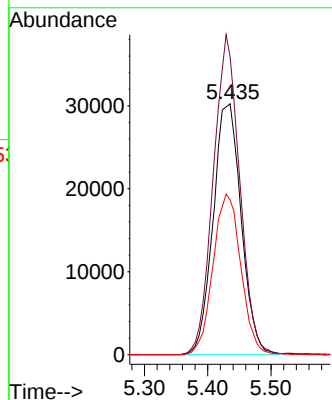
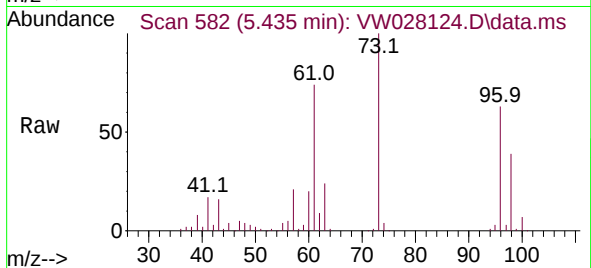
Tgt Ion: 96 Resp: 93267

Ion Ratio Lower Upper

96 100

61 118.8 82.6 153.4

98 61.7 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 28.644 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

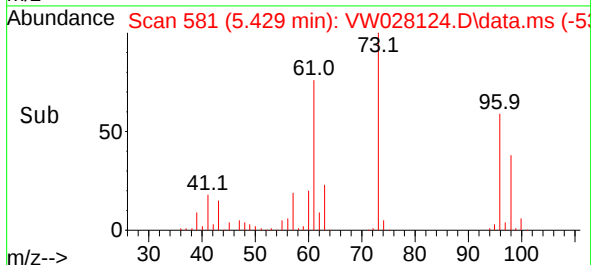
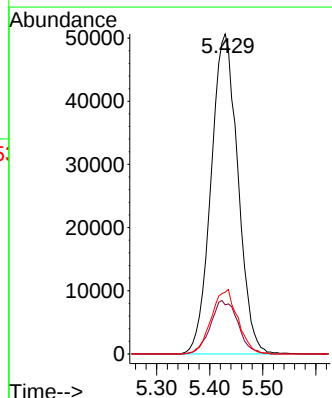
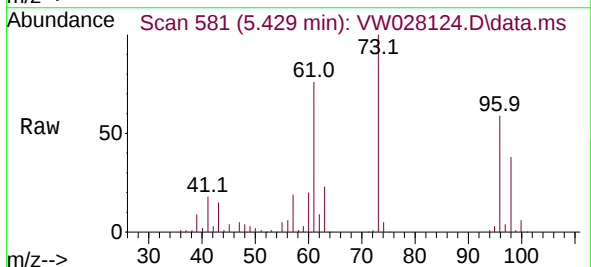
Tgt Ion: 73 Resp: 177990

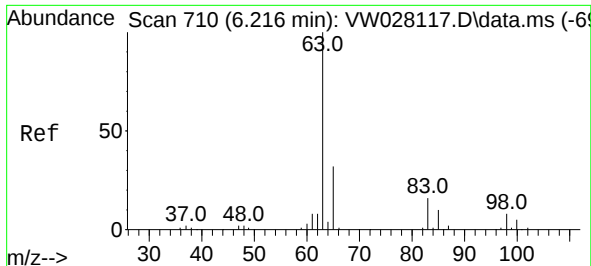
Ion Ratio Lower Upper

73 100

43 17.1 13.3 19.9

57 19.9 15.9 23.9





#19

1,1-Dichloroethane

Concen: 21.772 ug/L

RT: 6.222 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

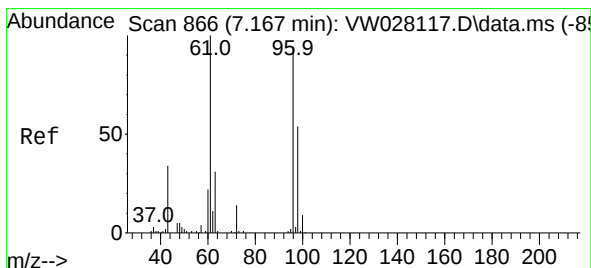
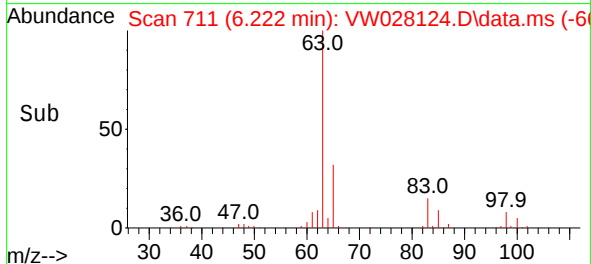
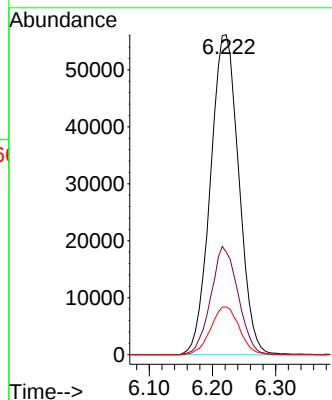
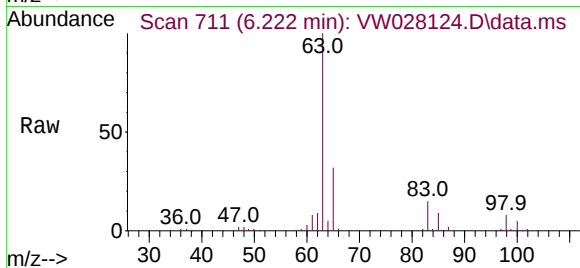
Tgt Ion: 63 Resp: 174672

Ion Ratio Lower Upper

63 100

65 32.2 23.2 43.0

83 15.0 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 21.715 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

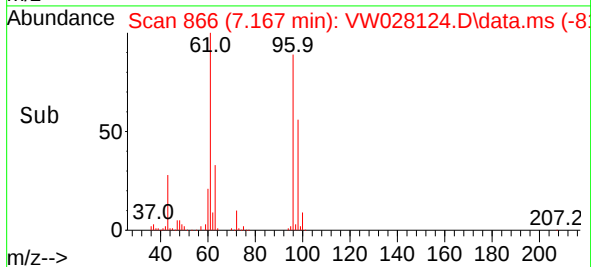
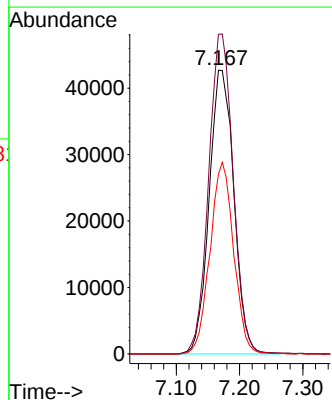
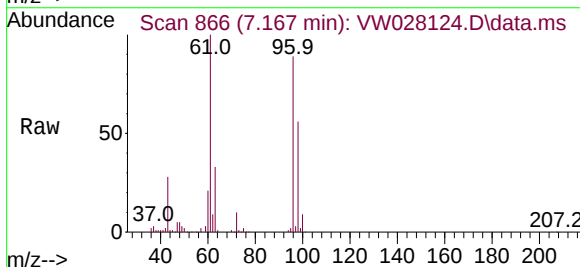
Tgt Ion: 96 Resp: 115954

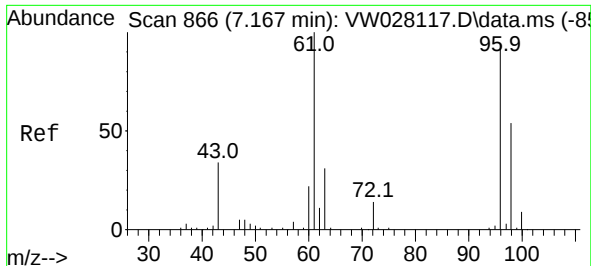
Ion Ratio Lower Upper

96 100

61 112.7 75.5 140.1

98 63.3 43.8 81.4

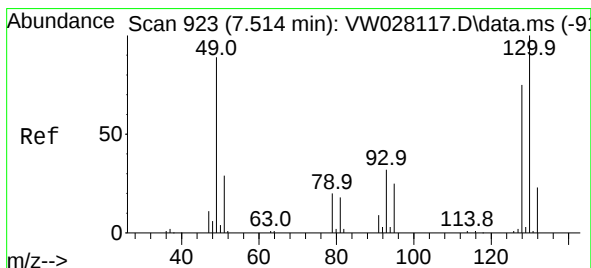
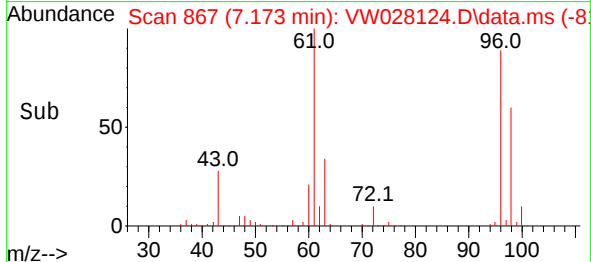
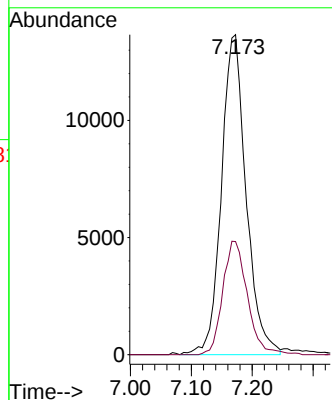
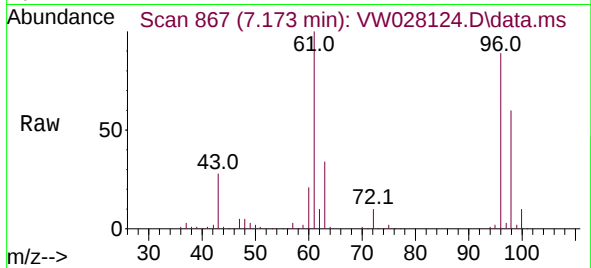




#22
2-Butanone
Concen: 37.880 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

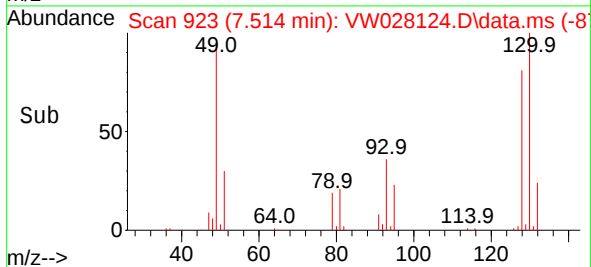
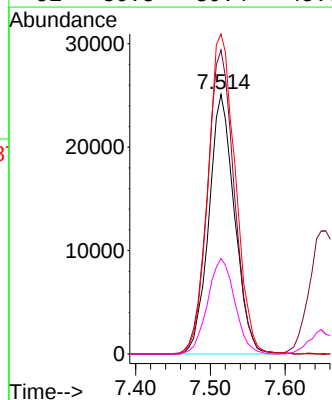
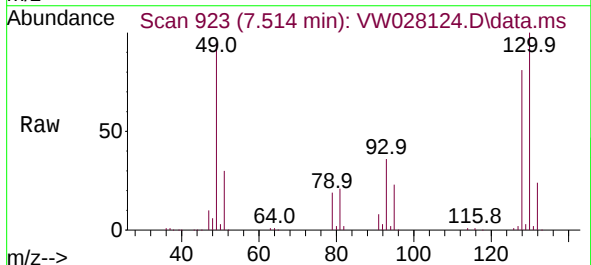
Instrument :
MSVOA_W
ClientSampleId :

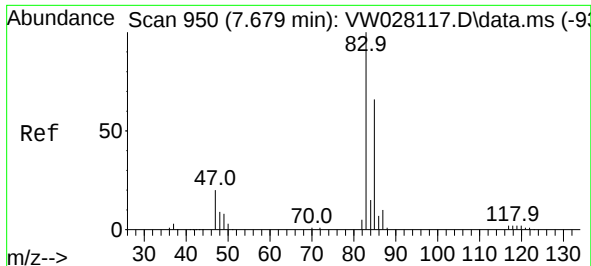
Tgt Ion: 43 Resp: 38464
Ion Ratio Lower Upper
43 100
72 35.3 18.4 55.0



#23
Bromochloromethane
Concen: 23.877 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion: 128 Resp: 59855
Ion Ratio Lower Upper
128 100
49 117.1 84.4 156.8
130 123.3 91.1 169.3
51 36.8 30.4 45.6





#25

Chloroform

Concen: 22.359 ug/L

RT: 7.679 min Scan# 950

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

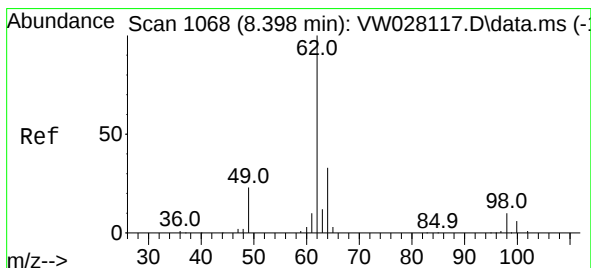
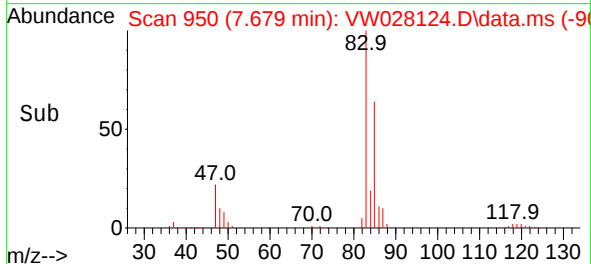
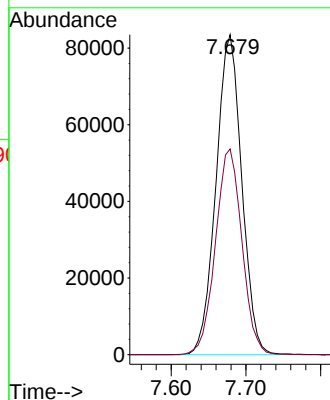
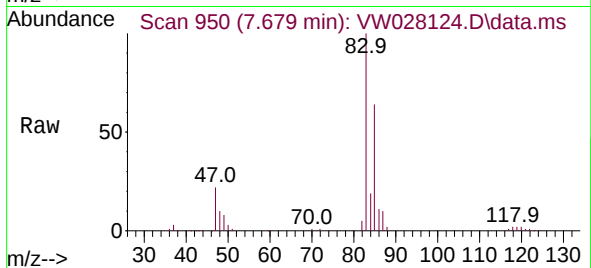
ClientSampleId :

Tgt Ion: 83 Resp: 200358

Ion Ratio Lower Upper

83 100

85 64.3 46.5 86.5



#27

1,2-Dichloroethane

Concen: 25.861 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW028124.D

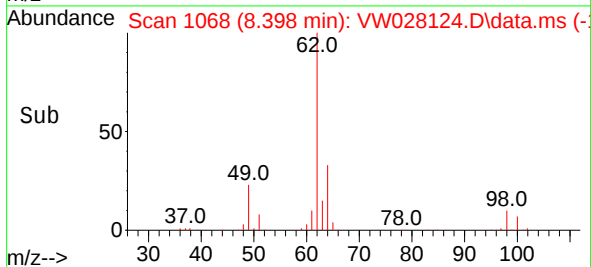
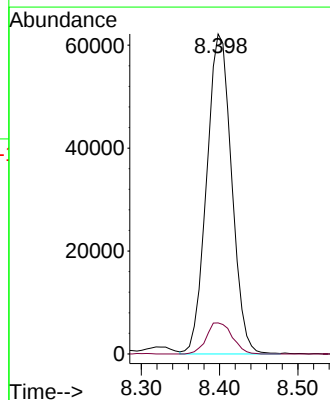
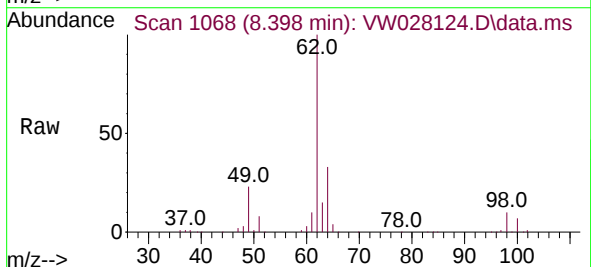
Acq: 07 Mar 2024 14:08

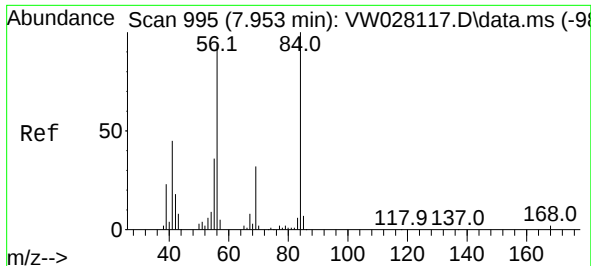
Tgt Ion: 62 Resp: 137799

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.4





#29

Cyclohexane

Concen: 13.302 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

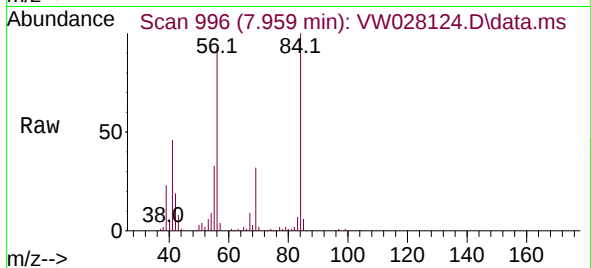
Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :



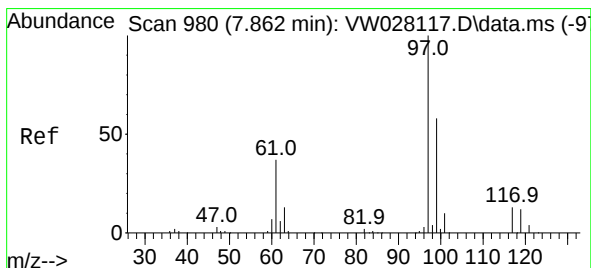
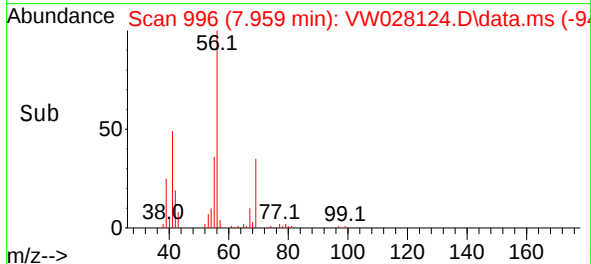
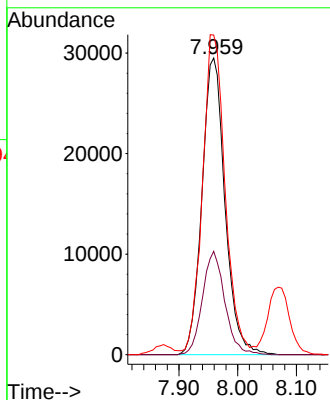
Tgt Ion: 56 Resp: 80370

Ion Ratio Lower Upper

56 100

69 33.8 27.6 41.4

84 106.1 86.6 129.8



#30

1,1,1-Trichloroethane

Concen: 19.405 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.012 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

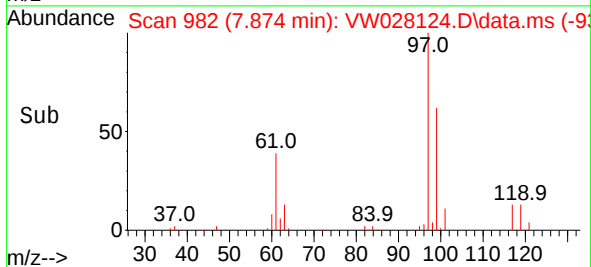
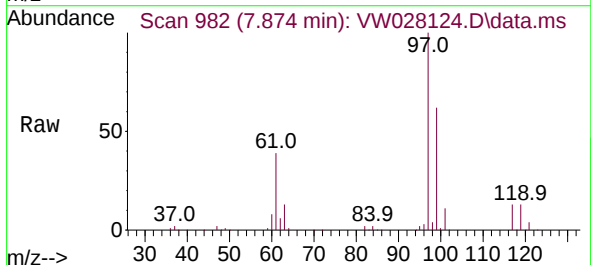
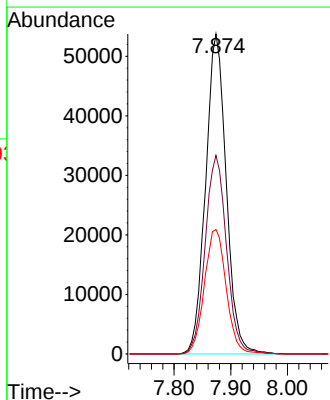
Tgt Ion: 97 Resp: 136138

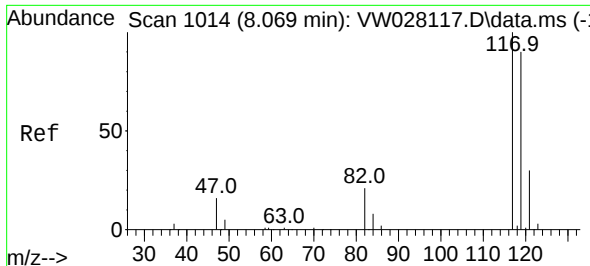
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

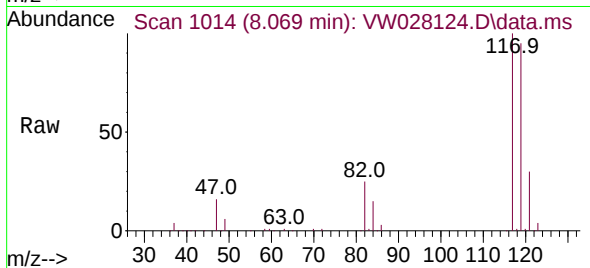
61 41.0 31.8 47.6



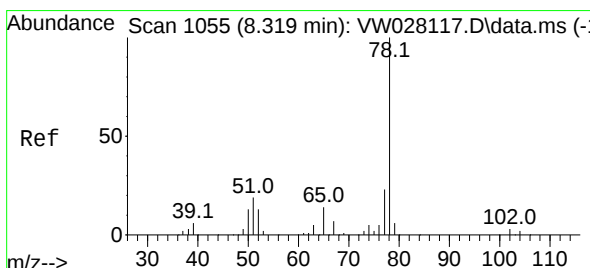
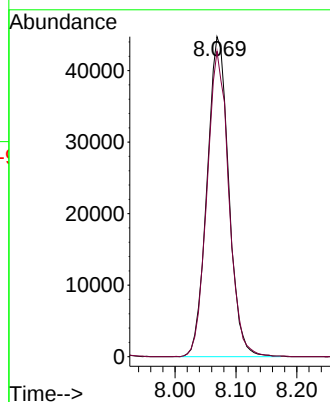
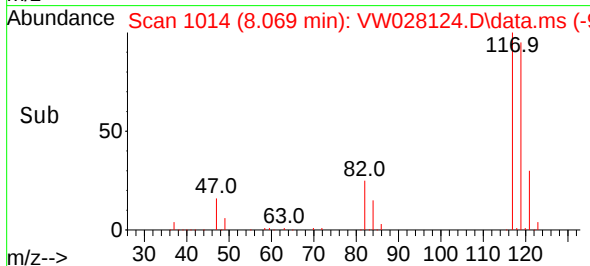


#31
Carbon tetrachloride
Concen: 16.951 ug/L
RT: 8.069 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Instrument :
MSVOA_W
ClientSampleId :

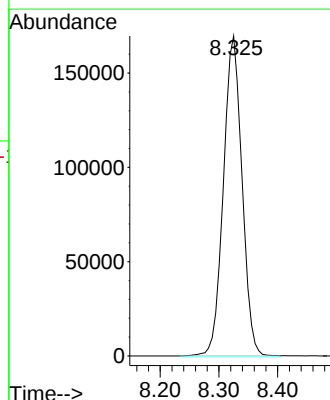
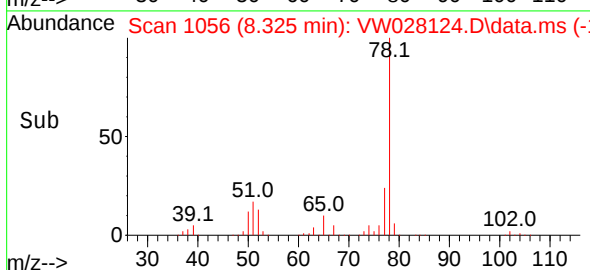
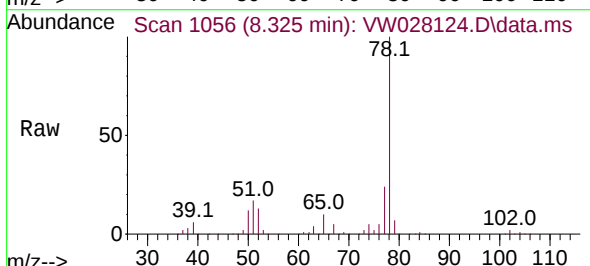


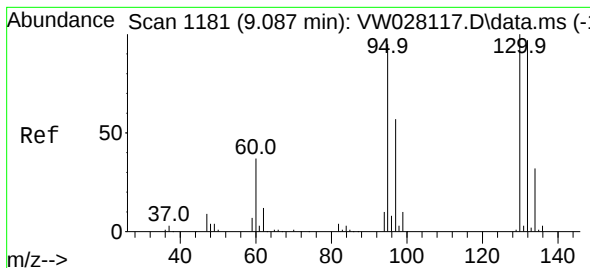
Tgt Ion:117 Resp: 111047
Ion Ratio Lower Upper
117 100
119 95.9 76.8 115.2



#33
Benzene
Concen: 21.991 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion: 78 Resp: 373295





#34

Trichloroethene

Concen: 17.538 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 87228

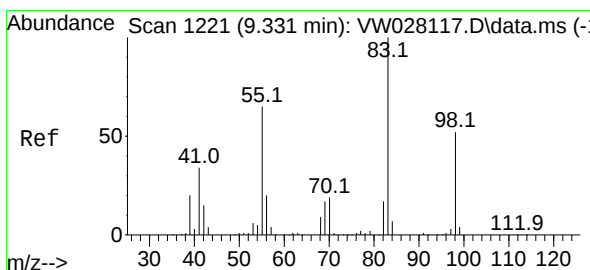
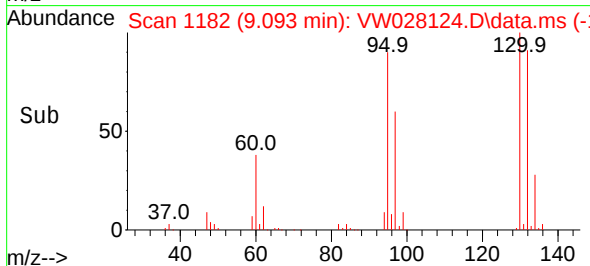
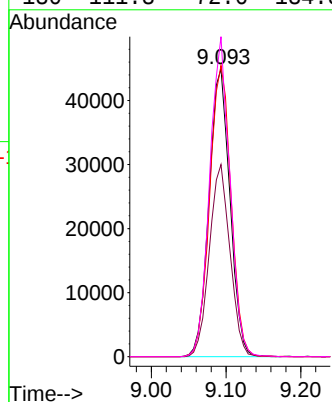
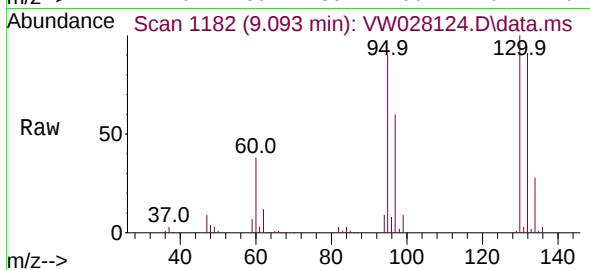
Ion Ratio Lower Upper

95 100

97 66.8 44.5 82.7

132 101.2 68.3 126.9

130 111.3 72.6 134.8



#35

Methylcyclohexane

Concen: 10.420 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

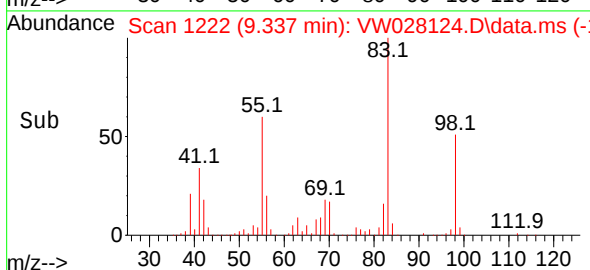
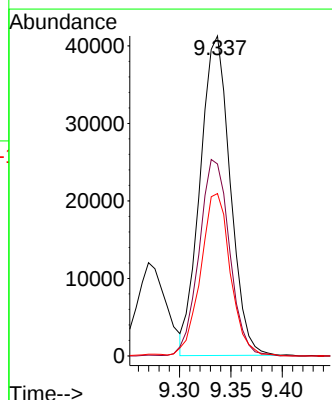
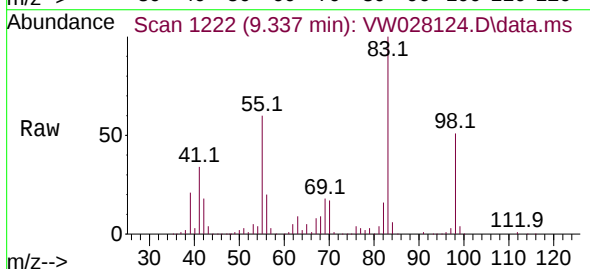
Tgt Ion: 83 Resp: 83881

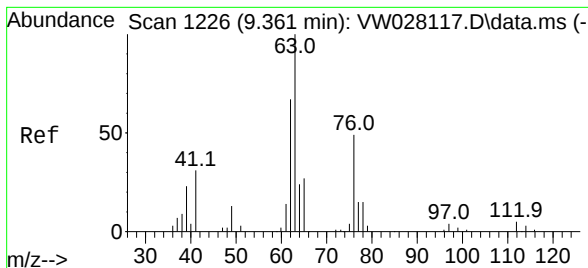
Ion Ratio Lower Upper

83 100

55 62.3 52.1 78.1

98 50.2 42.2 63.4





#37

1,2-Dichloropropane

Concen: 25.137 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

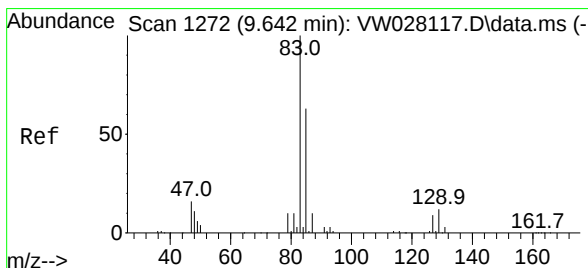
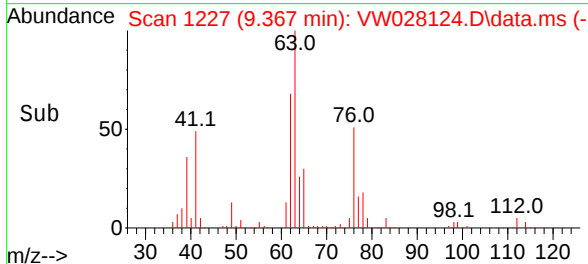
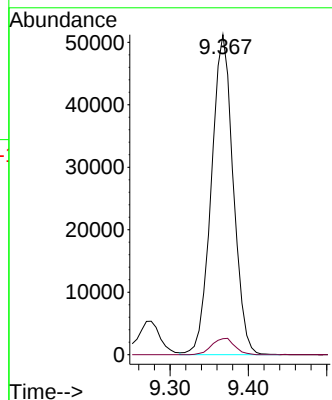
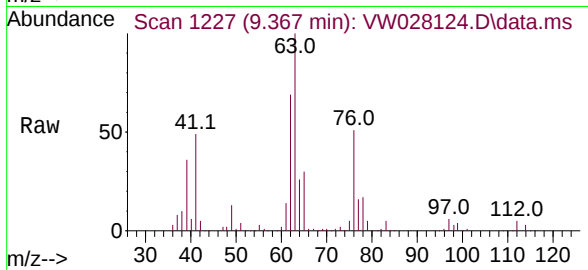
ClientSampleId :

Tgt Ion: 63 Resp: 99369

Ion Ratio Lower Upper

63 100

112 5.3 4.4 6.6



#38

Bromodichloromethane

Concen: 26.106 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

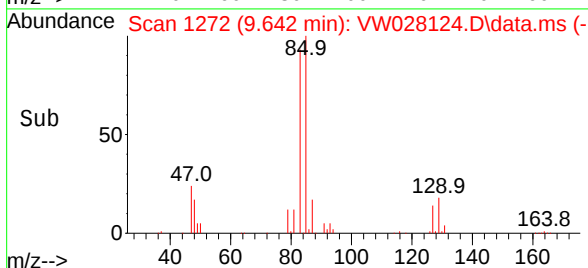
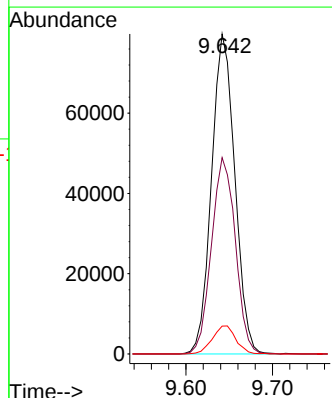
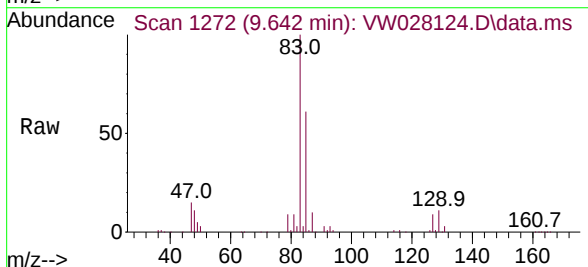
Tgt Ion: 83 Resp: 149061

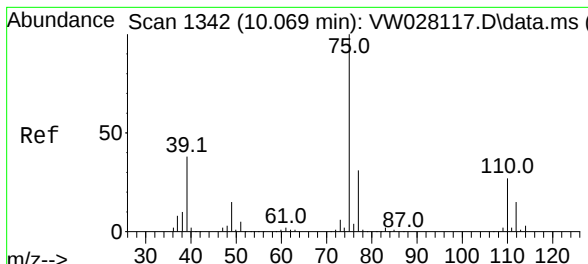
Ion Ratio Lower Upper

83 100

85 61.3 43.3 80.5

127 8.7 6.9 10.3

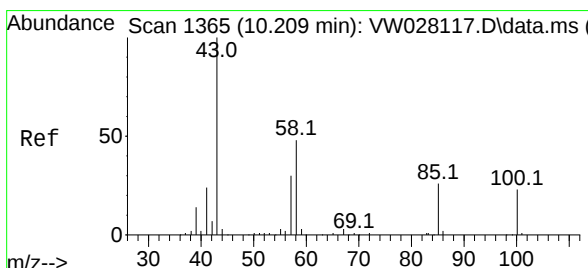
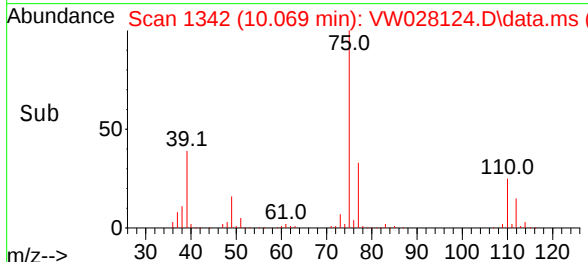
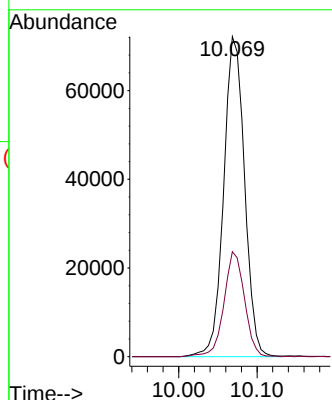
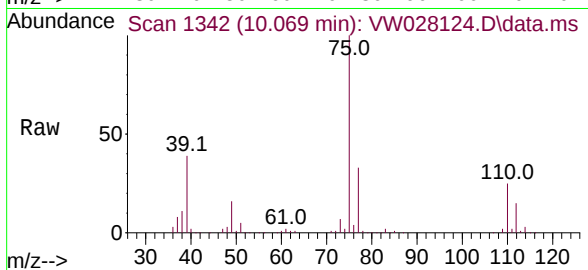




#39
 cis-1,3-Dichloropropene
 Concen: 20.595 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. -0.000 min
 Lab File: VW028124.D
 Acq: 07 Mar 2024 14:08

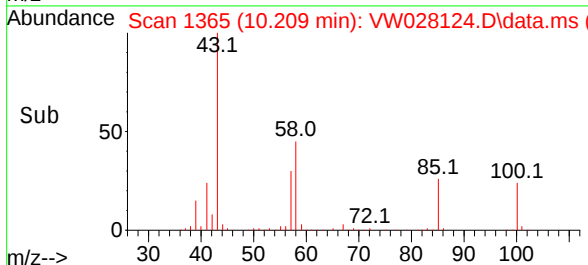
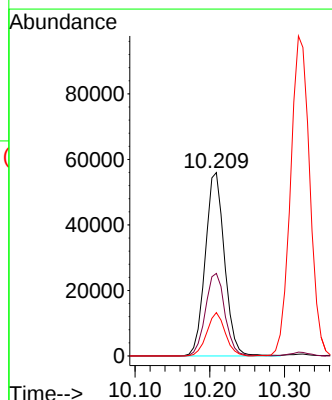
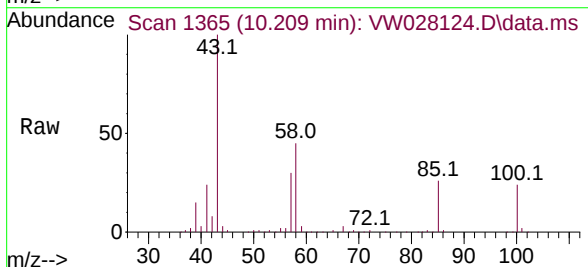
Instrument :
 MSVOA_W
 ClientSampleId :

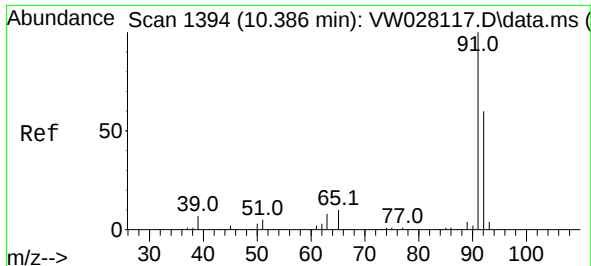
Tgt Ion: 75 Resp: 133879
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 63.752 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW028124.D
 Acq: 07 Mar 2024 14:08

Tgt Ion: 43 Resp: 100096
 Ion Ratio Lower Upper
 43 100
 58 45.7 37.8 56.8
 100 22.6 18.2 27.4





#42

Toluene

Concen: 18.734 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

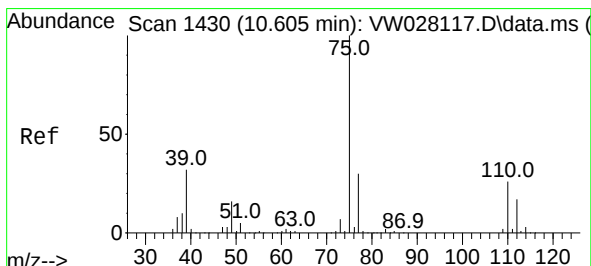
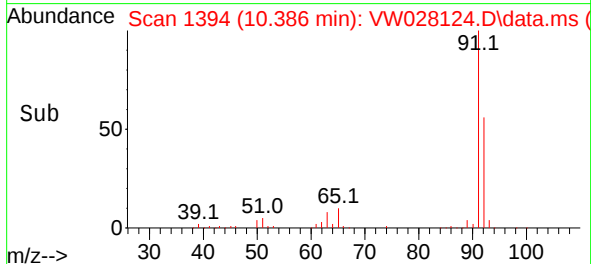
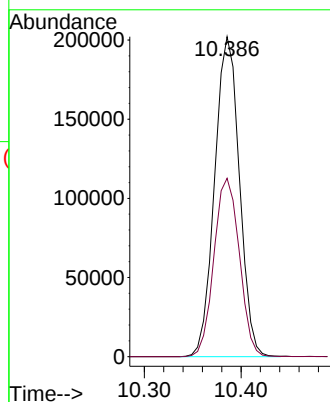
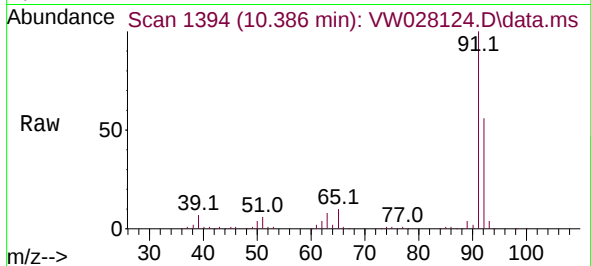
ClientSampleId :

Tgt Ion: 91 Resp: 359317

Ion Ratio Lower Upper

91 100

92 55.7 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 22.888 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028124.D

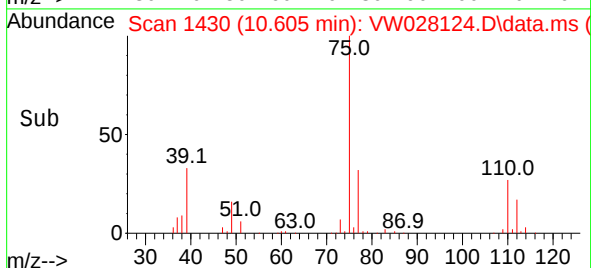
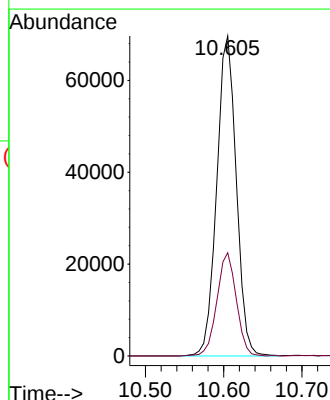
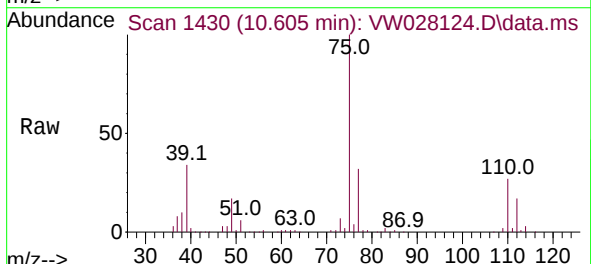
Acq: 07 Mar 2024 14:08

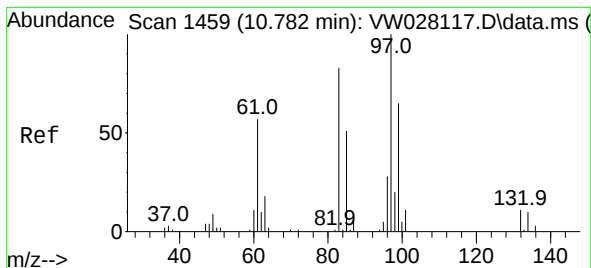
Tgt Ion: 75 Resp: 120868

Ion Ratio Lower Upper

75 100

77 32.3 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 28.166 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 93376

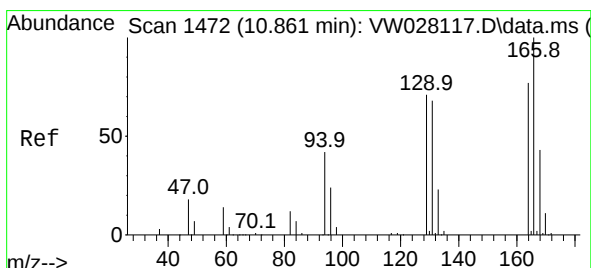
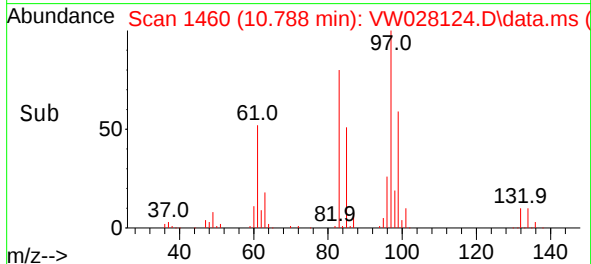
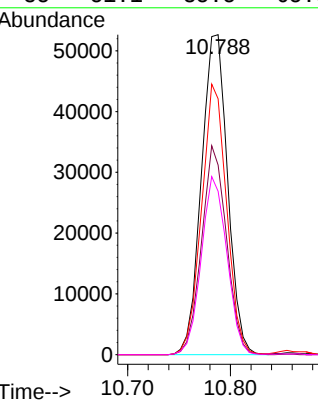
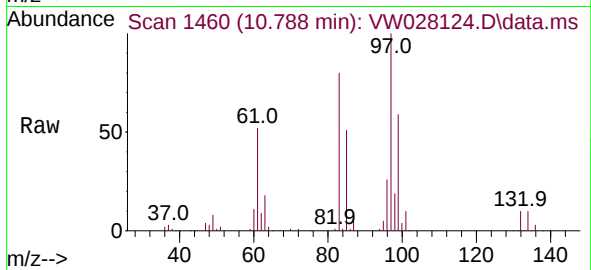
Ion Ratio Lower Upper

97 100

99 59.2 41.9 77.7

83 80.0 56.1 104.1

85 51.1 35.5 65.9



#46

Tetrachloroethene

Concen: 11.531 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Tgt Ion:164 Resp: 48065

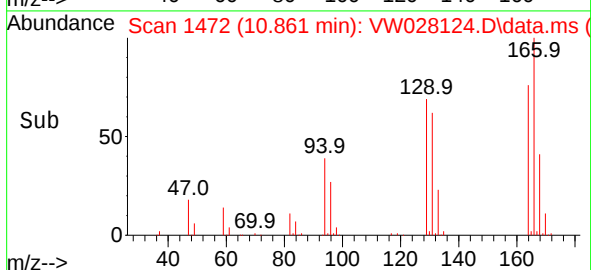
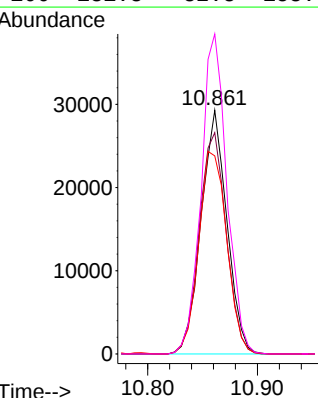
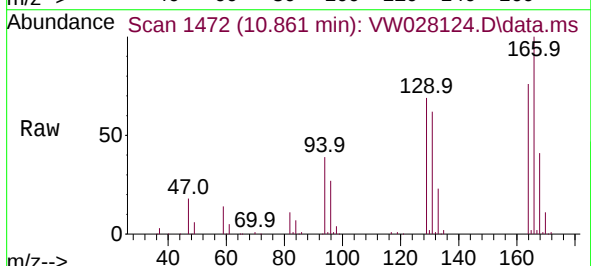
Ion Ratio Lower Upper

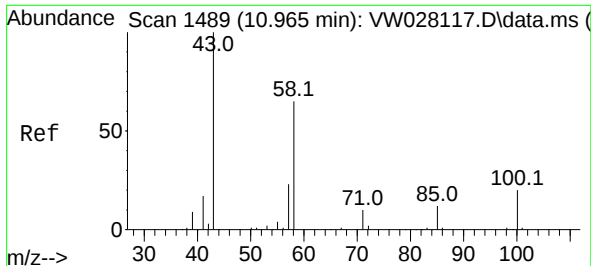
164 100

129 90.8 65.2 121.0

131 81.3 66.2 123.0

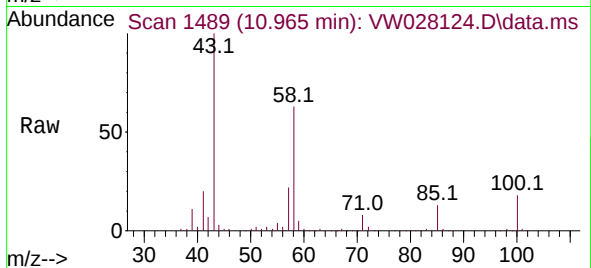
166 131.3 82.8 153.8



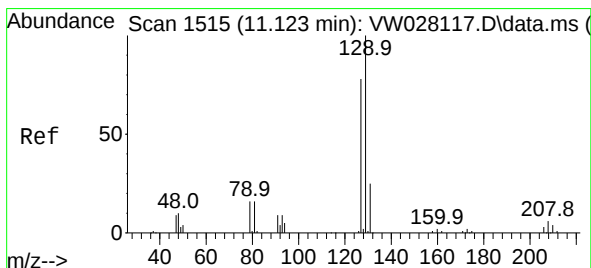
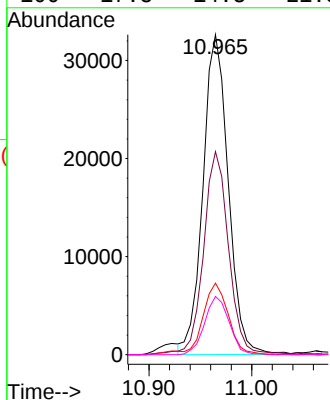
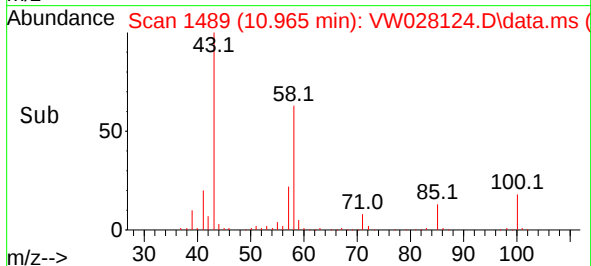


#48
2-Hexanone
Concen: 43.865 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Instrument :
MSVOA_W
ClientSampleId :

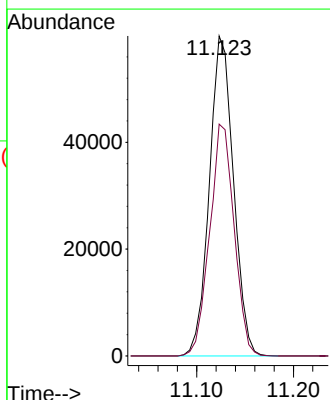
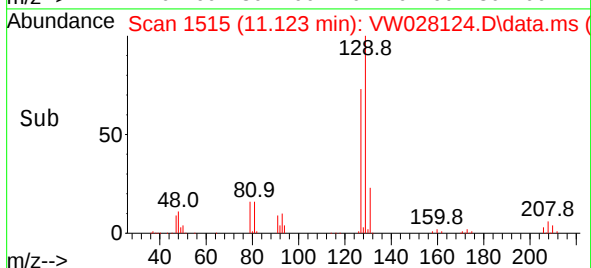
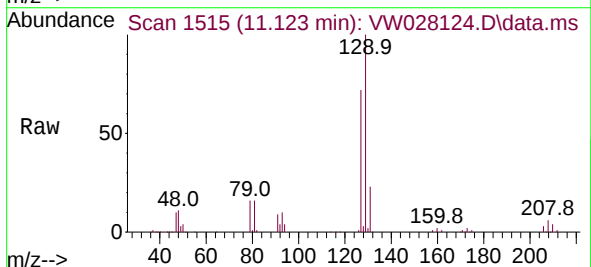


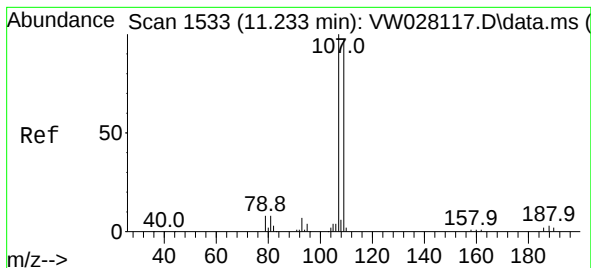
Tgt Ion: 43 Resp: 55687
Ion Ratio Lower Upper
43 100
58 63.1 51.8 77.8
57 21.9 18.2 27.4
100 17.8 14.3 21.5



#49
Dibromochloromethane
Concen: 26.921 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion: 129 Resp: 103752
Ion Ratio Lower Upper
129 100
127 72.5 57.1 106.1

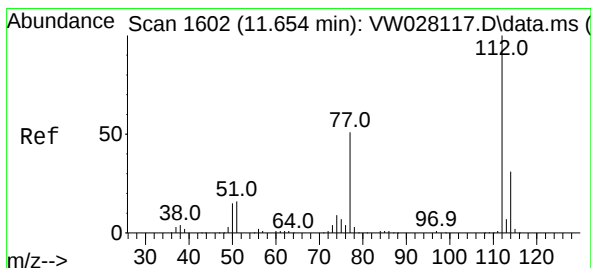
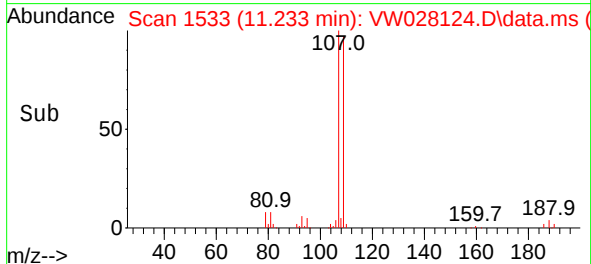
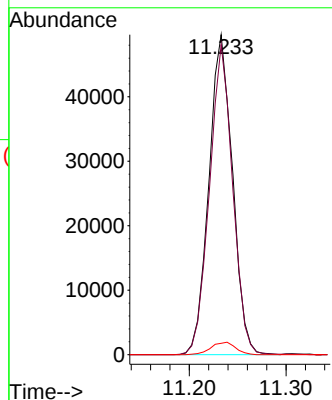
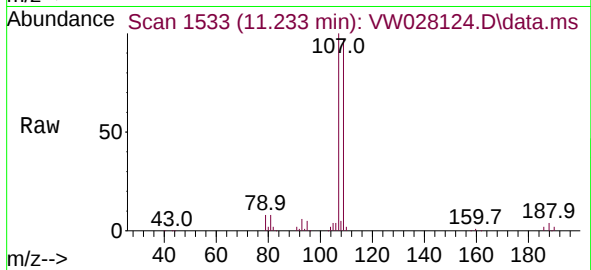




#50
1,2-Dibromoethane
Concen: 26.407 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

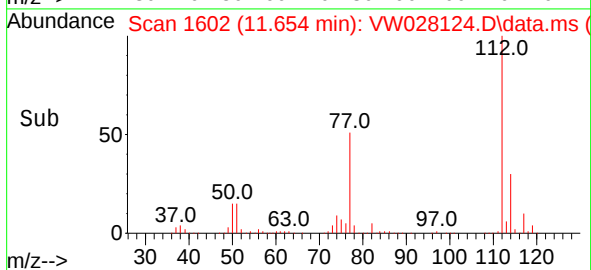
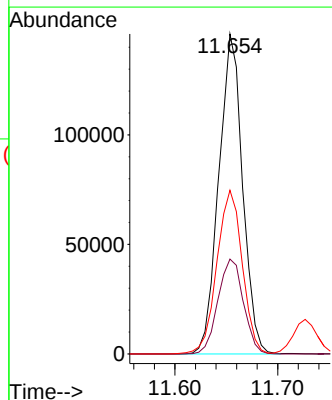
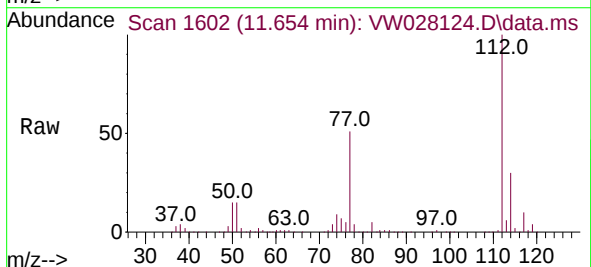
Instrument :
MSVOA_W
ClientSampleId :

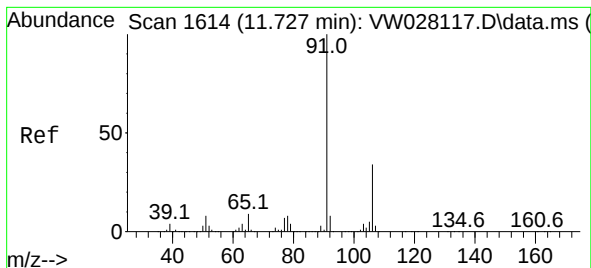
Tgt Ion:107 Resp: 84319
Ion Ratio Lower Upper
107 100
109 96.9 67.5 125.3
188 3.5 3.1 4.7



#51
Chlorobenzene
Concen: 18.336 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion:112 Resp: 234665
Ion Ratio Lower Upper
112 100
114 29.7 20.6 38.4
77 51.2 40.0 60.0





#52

Ethylbenzene

Concen: 13.632 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

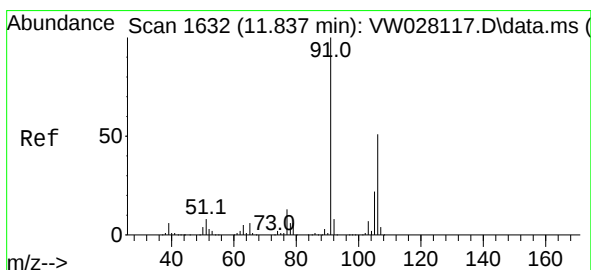
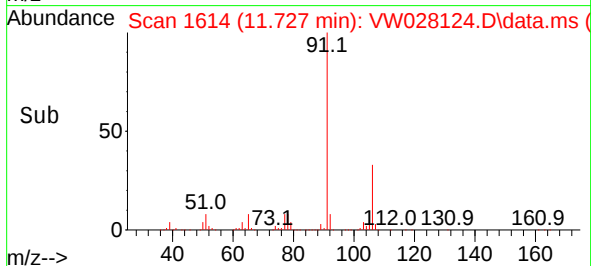
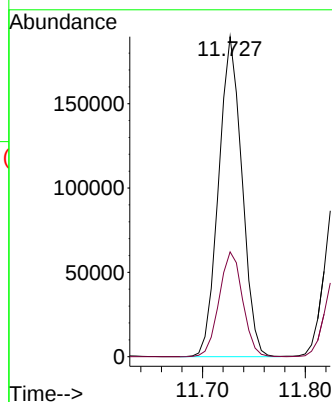
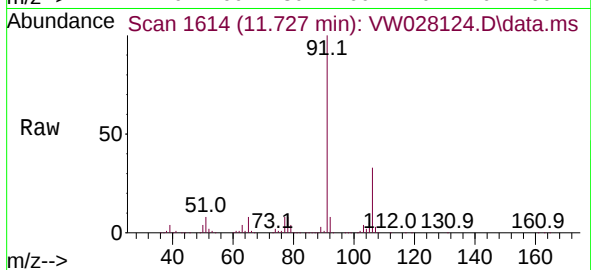
ClientSampleId :

Tgt Ion: 91 Resp: 298930

Ion Ratio Lower Upper

91 100

106 32.7 23.8 44.2



#53

m,p-Xylene

Concen: 13.730 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW028124.D

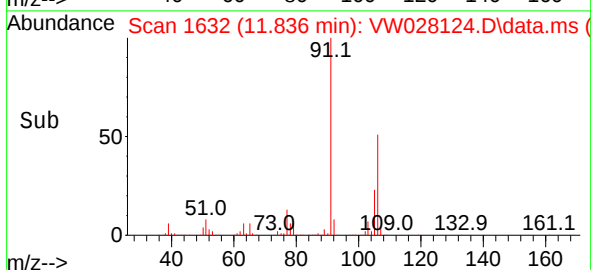
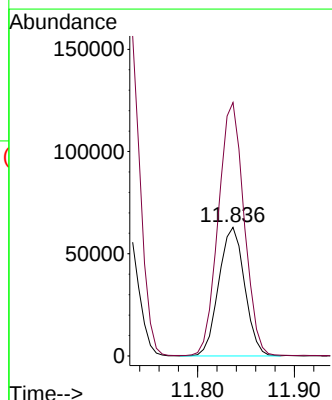
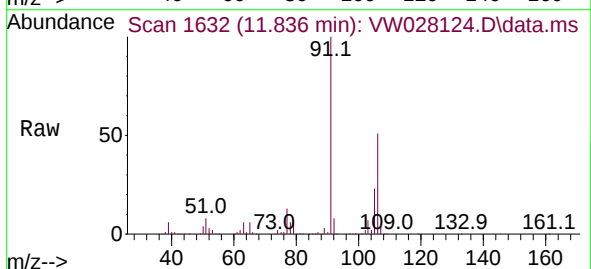
Acq: 07 Mar 2024 14:08

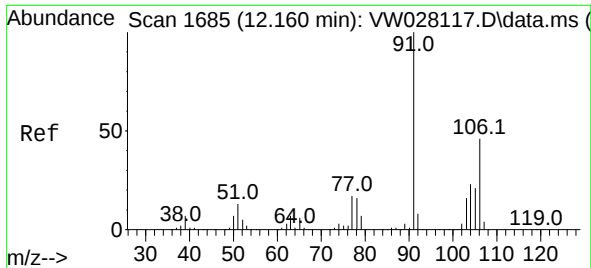
Tgt Ion:106 Resp: 116819

Ion Ratio Lower Upper

106 100

91 197.0 139.7 259.4

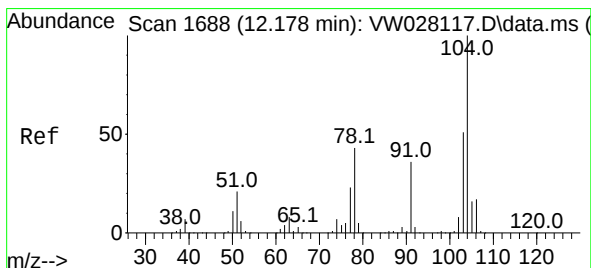
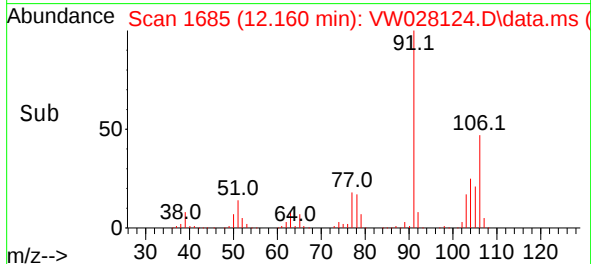
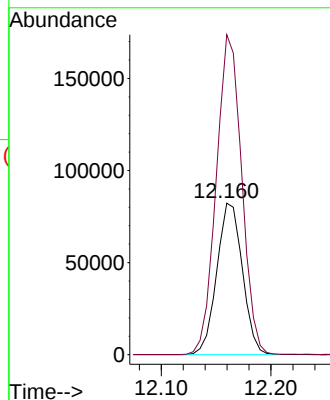
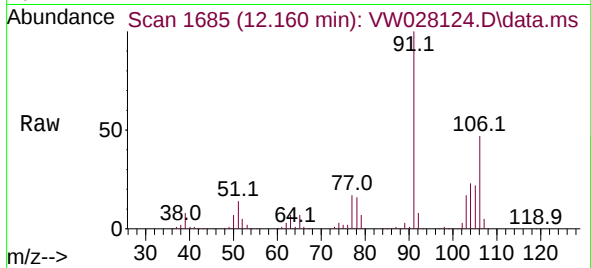




#54
o-Xylene
Concen: 16.619 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

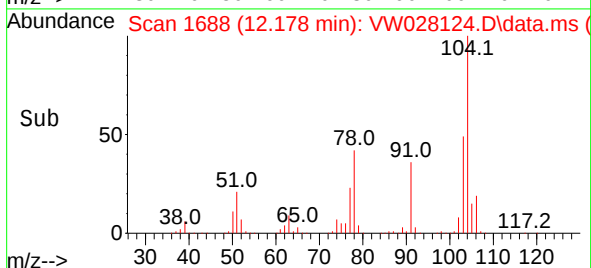
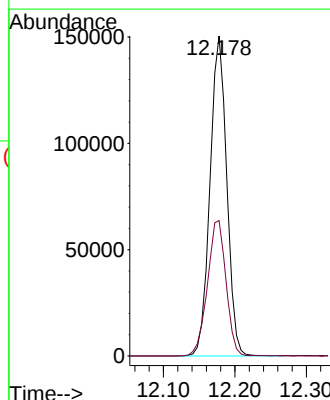
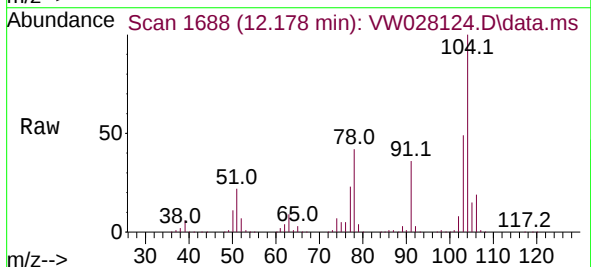
Instrument :
MSVOA_W
ClientSampleId :

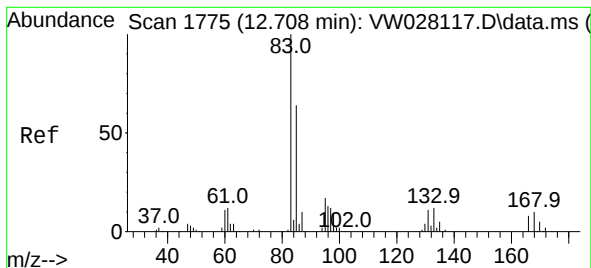
Tgt Ion:106 Resp: 133816
Ion Ratio Lower Upper
106 100
91 211.2 145.2 269.6



#55
Styrene
Concen: 17.813 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion:104 Resp: 244620
Ion Ratio Lower Upper
104 100
78 42.3 29.1 54.1





#57

1,1,2,2-Tetrachloroethane

Concen: 29.301 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

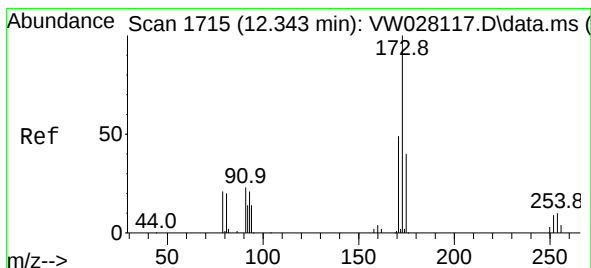
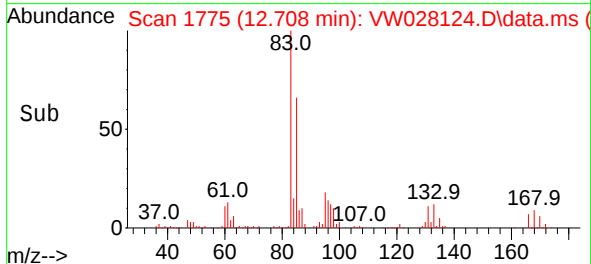
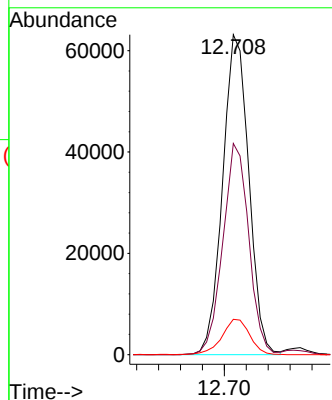
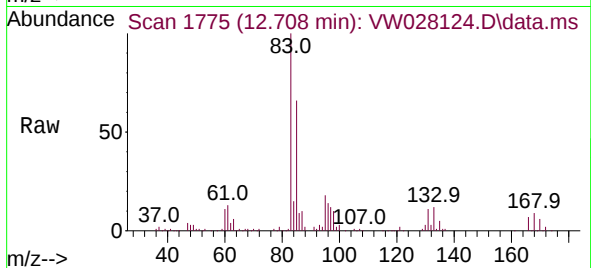
Tgt Ion: 83 Resp: 104740

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9

131 11.0 9.7 14.5



#59

Bromoform

Concen: 33.949 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

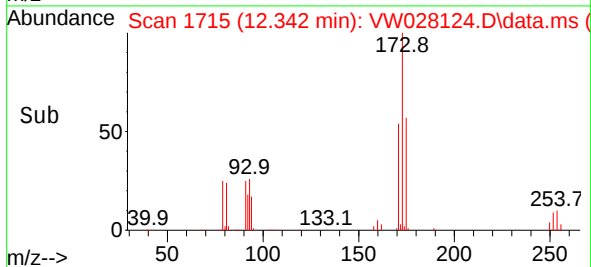
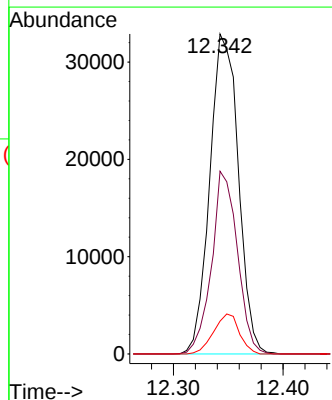
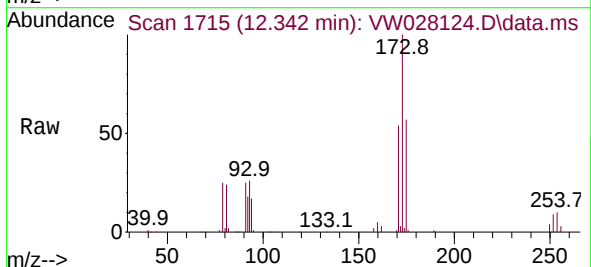
Tgt Ion:173 Resp: 59546

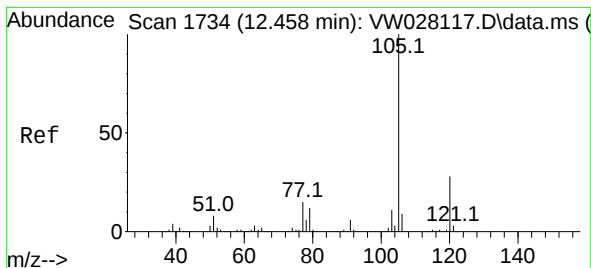
Ion Ratio Lower Upper

173 100

175 51.6 37.2 55.8

254 11.3 8.5 12.7





#60

Isopropylbenzene

Concen: 14.756 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

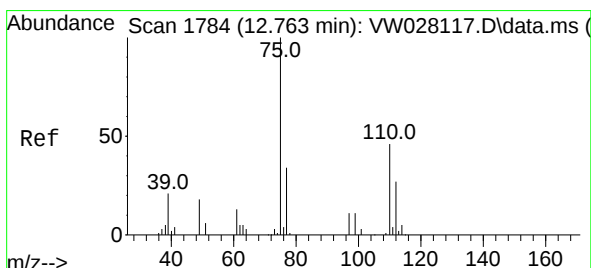
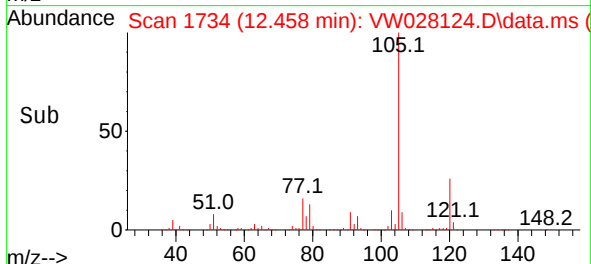
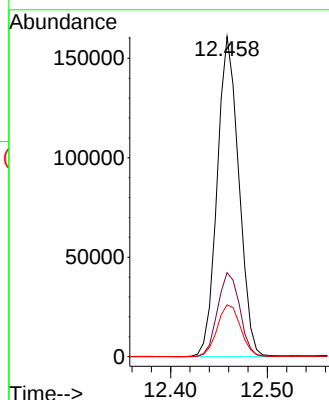
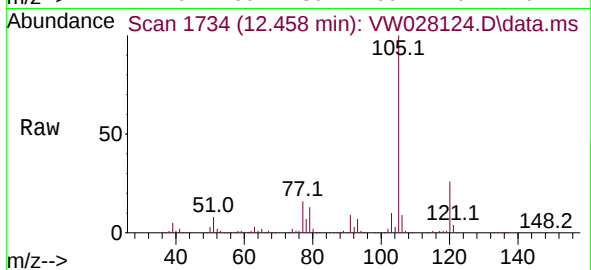
Tgt Ion:105 Resp: 250459

Ion Ratio Lower Upper

105 100

120 27.0 22.2 33.2

77 17.5 11.8 17.6



#61

1,2,3-Trichloropropane

Concen: 38.628 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

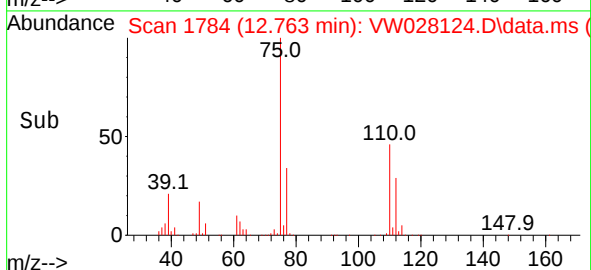
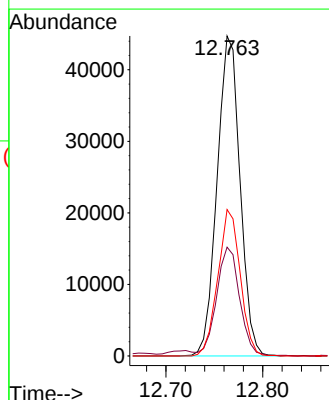
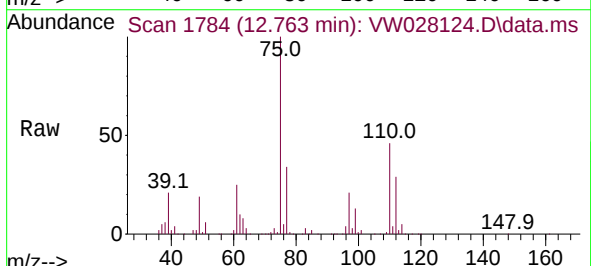
Tgt Ion: 75 Resp: 73467

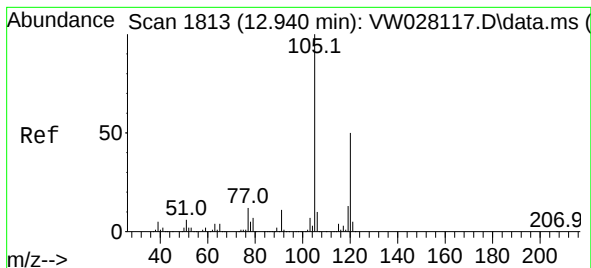
Ion Ratio Lower Upper

75 100

77 33.7 25.9 38.9

110 44.7 34.1 51.1

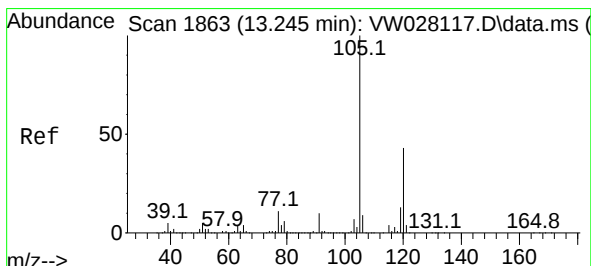
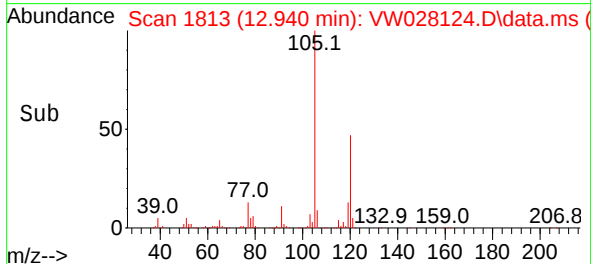
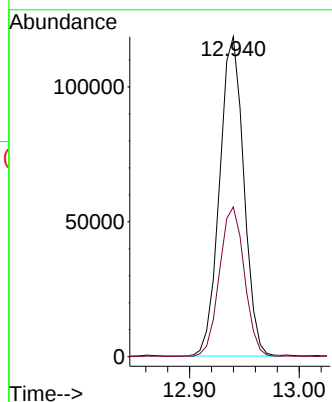
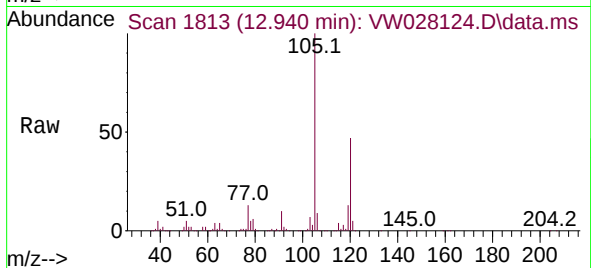




#62
1,3,5-Trimethylbenzene
Concen: 16.306 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

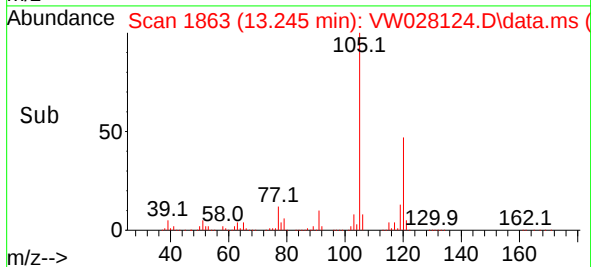
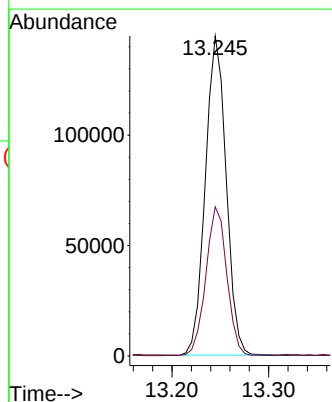
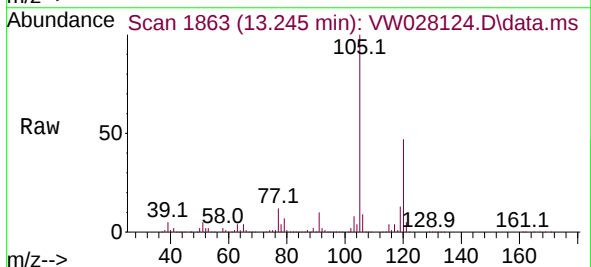
Instrument :
MSVOA_W
ClientSampleId :

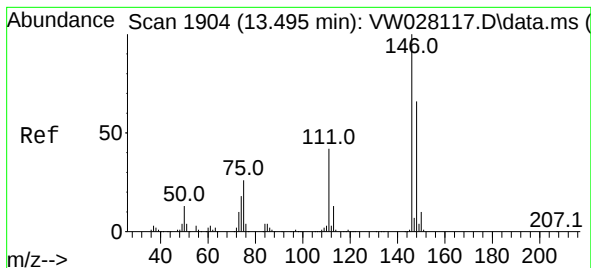
Tgt Ion:105 Resp: 181466
Ion Ratio Lower Upper
105 100
120 48.2 38.6 58.0



#63
1,2,4-Trimethylbenzene
Concen: 16.357 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion:105 Resp: 217071
Ion Ratio Lower Upper
105 100
120 46.9 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 19.326 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :

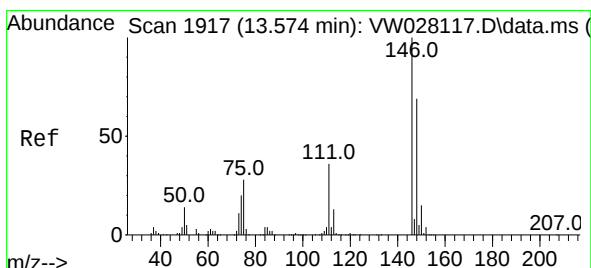
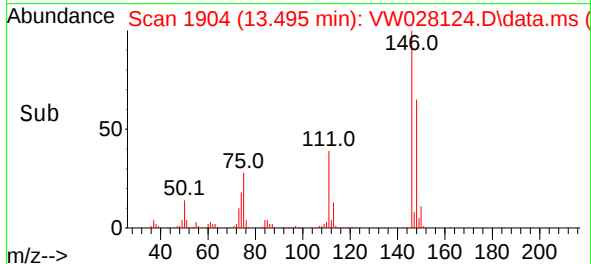
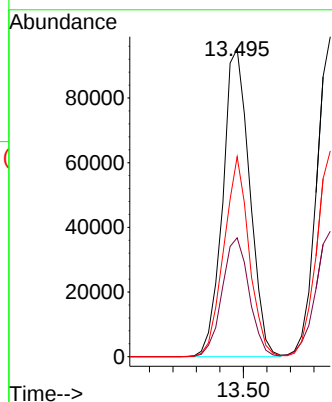
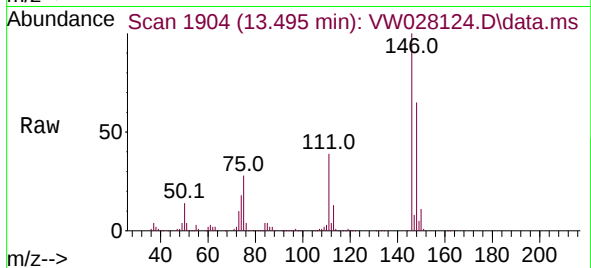
Tgt Ion:146 Resp: 151601

Ion Ratio Lower Upper

146 100

111 38.6 27.9 51.9

148 65.0 38.7 71.9



#65

1,4-Dichlorobenzene

Concen: 19.458 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

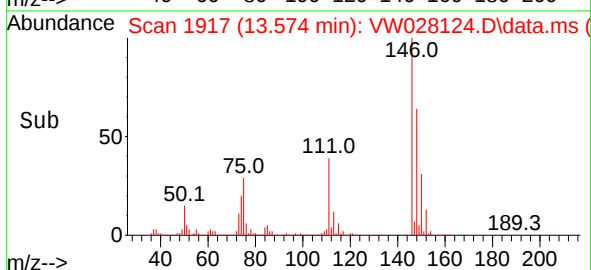
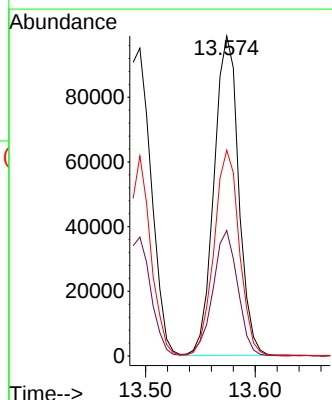
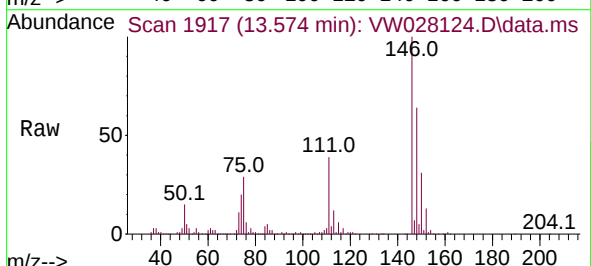
Tgt Ion:146 Resp: 154097

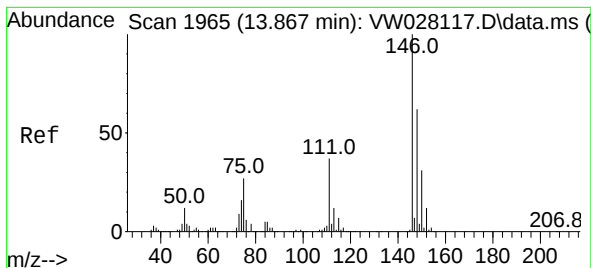
Ion Ratio Lower Upper

146 100

111 39.2 29.3 54.5

148 64.3 47.5 88.1

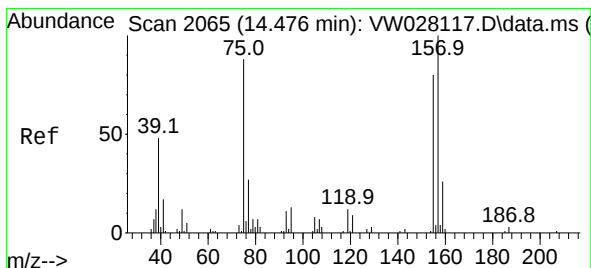
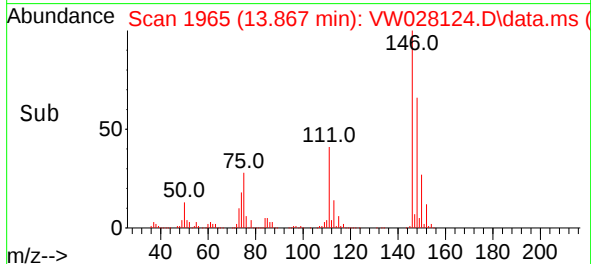
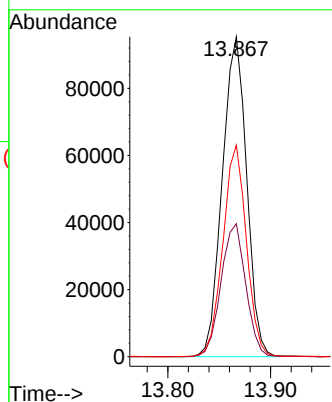
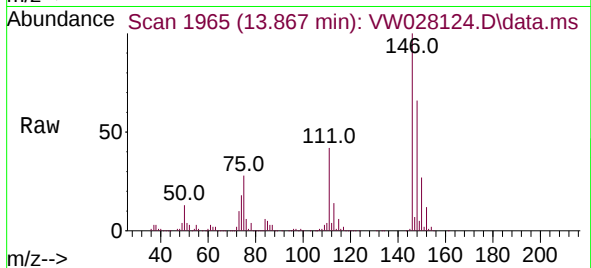




#67
1,2-Dichlorobenzene
Concen: 22.217 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

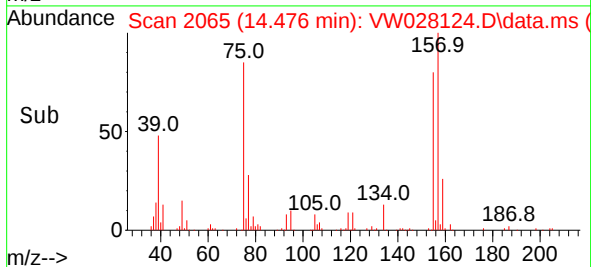
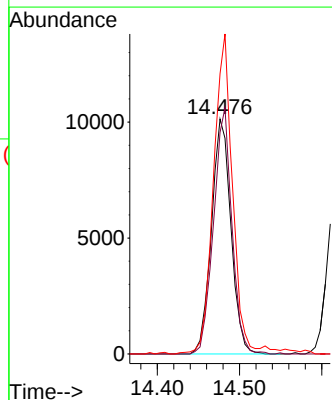
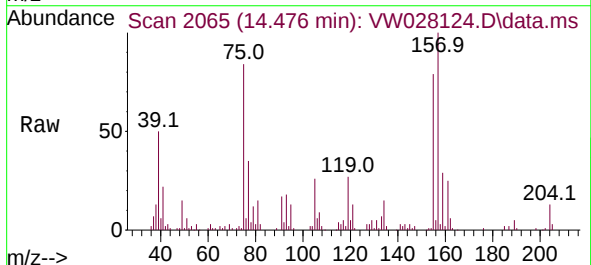
Instrument :
MSVOA_W
ClientSampleId :

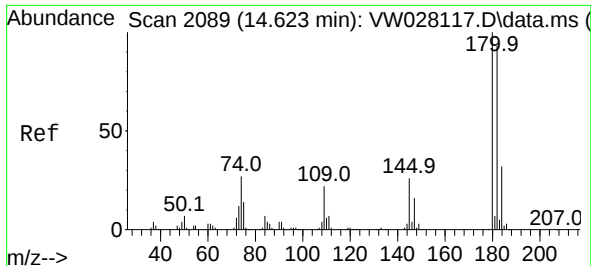
Tgt Ion:146 Resp: 156990
Ion Ratio Lower Upper
146 100
111 41.6 35.4 53.0
148 66.1 55.4 83.2



#68
1,2-Dibromo-3-chloropropane
Concen: 41.661 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion: 75 Resp: 16642
Ion Ratio Lower Upper
75 100
155 94.3 69.3 103.9
157 119.3 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 14.875 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

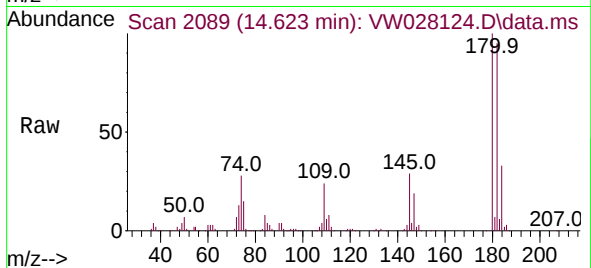
Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 86114

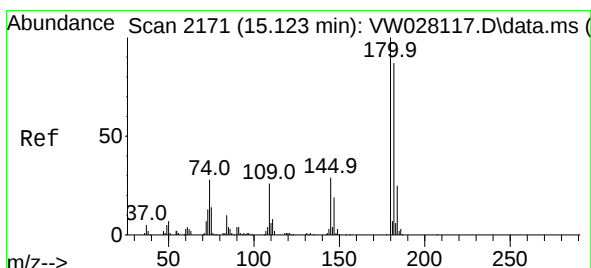
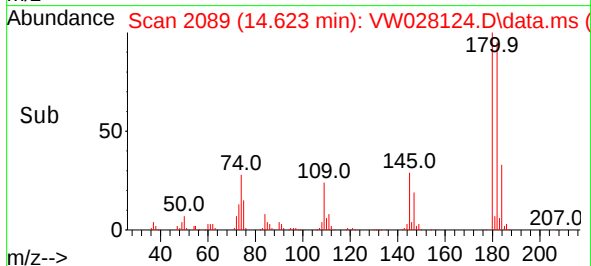
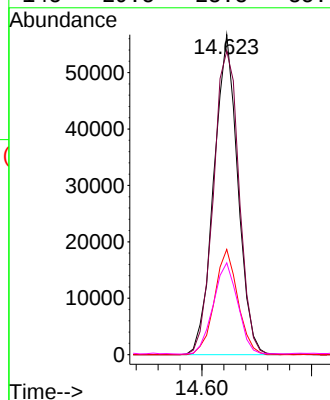
Ion Ratio Lower Upper

180 100

182 101.3 78.2 117.4

184 32.0 25.4 38.2

145 29.5 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 19.171 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW028124.D

Acq: 07 Mar 2024 14:08

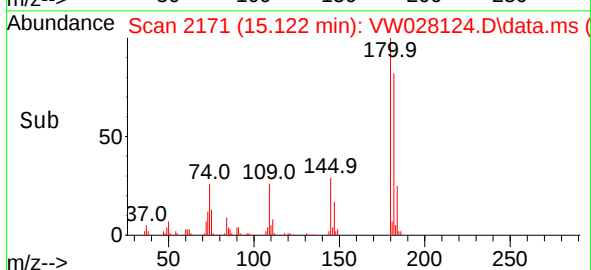
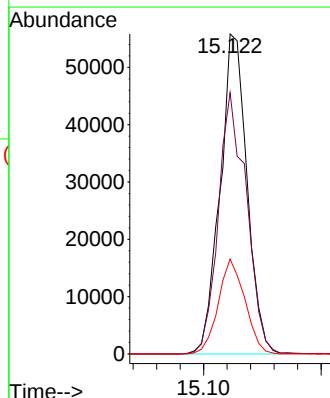
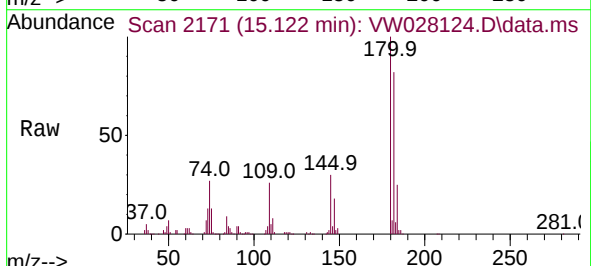
Tgt Ion:180 Resp: 89127

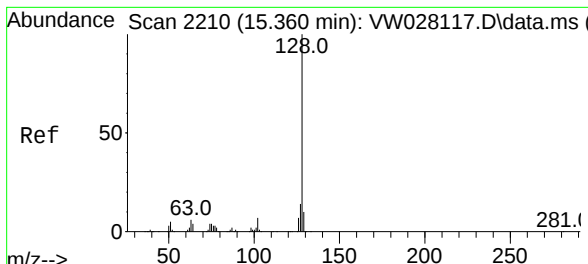
Ion Ratio Lower Upper

180 100

182 84.7 80.1 120.1

145 29.3 24.3 36.5



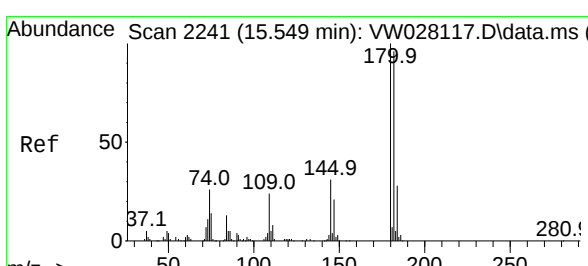
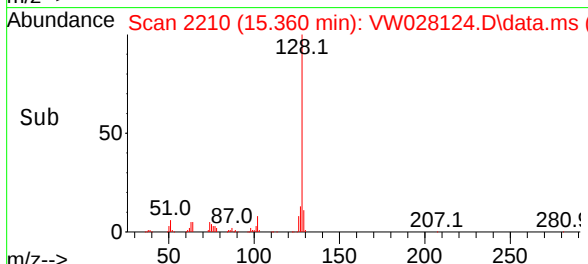
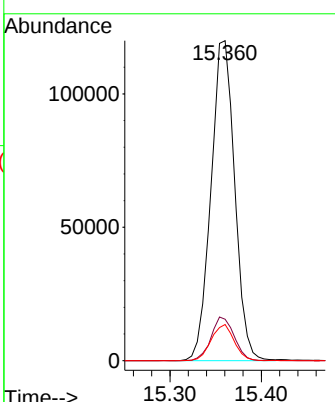
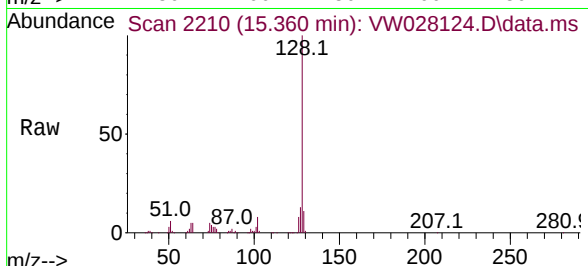


#71
Naphthalene
Concen: 28.513 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 216799

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 19.530 ug/L
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW028124.D
Acq: 07 Mar 2024 14:08

Tgt Ion:180 Resp: 75926

Ion	Ratio	Lower	Upper
180	100		
182	95.3	81.4	122.2
145	33.7	26.2	39.2

