

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032224\
 Data File : VW028231.D
 Acq On : 22 Mar 2024 16:37
 Operator : SY/MD
 Sample : P1839-09MSD
 Misc : 3.28g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 23 01:01:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Mar 23 01:00:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	230947	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	187547	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	71870	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	56461	20.895	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.560%
7) Chloroethane-d5	2.899	69	46443	24.601	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	4.027	65	40339	23.541	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.160%
21) 2-Butanone-d5	7.081	46	36135	45.340	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.680%
24) Chloroform-d	7.655	84	189451	27.819	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.280%
26) 1,2-Dichloroethane-d4	8.307	65	98579	26.267	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.080%
32) Benzene-d6	8.276	84	350354	30.597	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.400%
36) 1,2-Dichloropropane-d6	9.270	67	101340	30.754	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.000%#
41) Toluene-d8	10.319	98	304431	28.824	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.280%
43) trans-1,3-Dichloroprop...	10.575	79	43479	29.051	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.200%
47) 2-Hexanone-d5	10.922	63	30232	55.504	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.000%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	65425	26.878	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.520%
66) 1,2-Dichlorobenzene-d4	13.849	152	71662	27.372	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	68175	20.349	ug/L #	87
3) Chloromethane	2.223	50	50422	21.220	ug/L	98
5) Vinyl chloride	2.375	62	62851	23.400	ug/L	98
6) Bromomethane	2.790	94	37972	23.738	ug/L	90
8) Chloroethane	2.936	64	36076	24.989	ug/L	98
9) Trichlorofluoromethane	3.271	101	86788	26.725	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	70155	21.746	ug/L	100
12) 1,1-Dichloroethene	4.052	96	74665	25.036	ug/L	80
13) Acetone	4.137	43	37092	41.916	ug/L	100
14) Carbon disulfide	4.387	76	181822	19.547	ug/L	99
15) Methyl Acetate	4.679	43	25673	18.835	ug/L	96
16) Methylene chloride	4.917	84	82713	23.531	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	79826	25.187	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	125136	26.170	ug/L	99
19) 1,1-Dichloroethane	6.222	63	159776	26.040	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	88927	25.980	ug/L	96
22) 2-Butanone	7.173	43	42495	42.296	ug/L	97
23) Bromochloromethane	7.514	128	37365	24.692	ug/L	92
25) Chloroform	7.679	83	163448	25.876	ug/L	96

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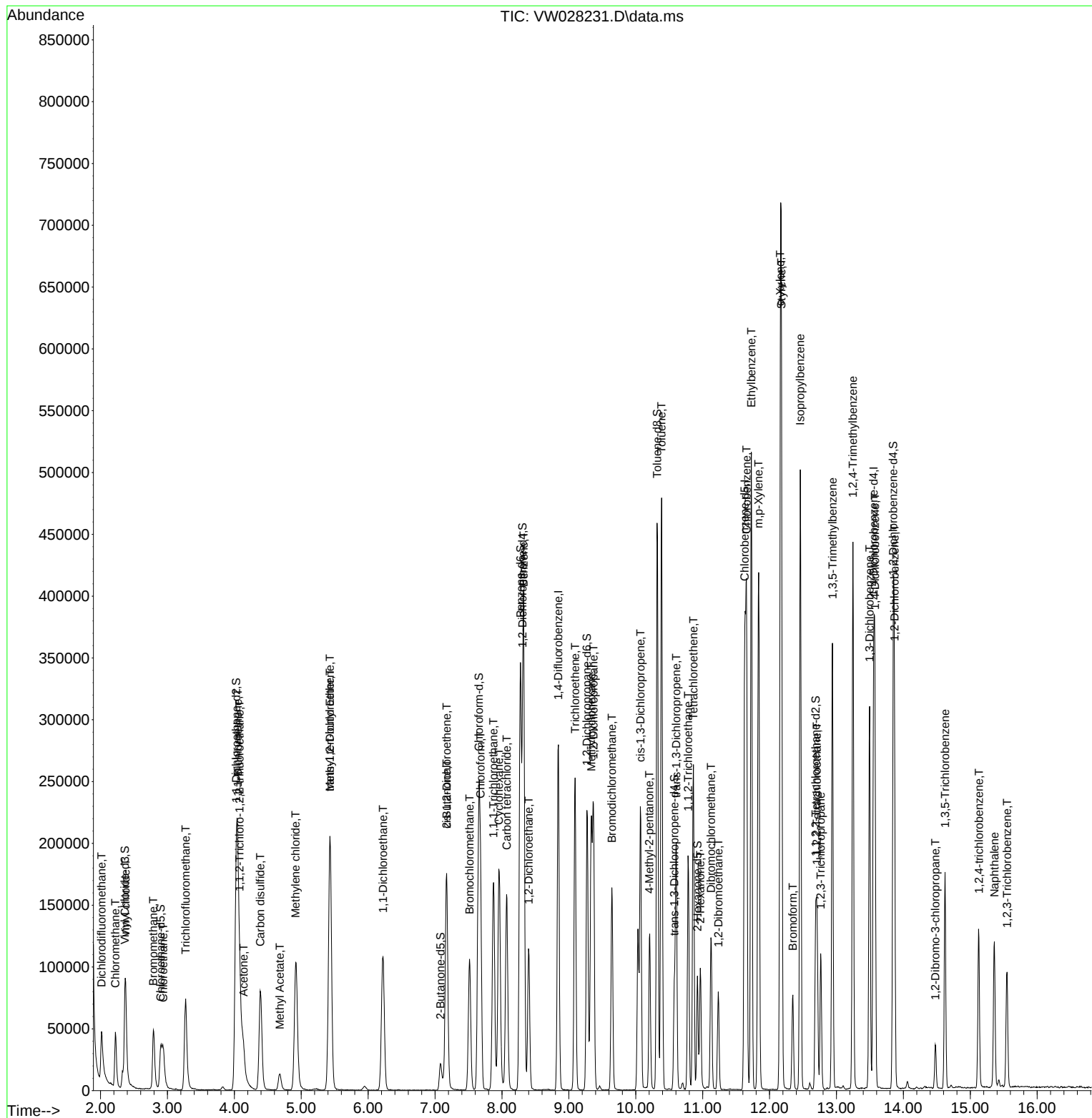
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	106855	23.954	ug/L	96
29) Cyclohexane	7.953	56	104051	21.270	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	140955	28.671	ug/L	98
31) Carbon tetrachloride	8.069	117	122300	26.521	ug/L	98
33) Benzene	8.325	78	329913	28.587	ug/L	100
34) Trichloroethene	9.093	95	86954	27.006	ug/L	95
35) Methylcyclohexane	9.337	83	85067	15.630	ug/L	99
37) 1,2-Dichloropropane	9.368	63	84104	28.492	ug/L	100
38) Bromodichloromethane	9.642	83	110666	27.806	ug/L	94
39) cis-1,3-Dichloropropene	10.069	75	133730	28.288	ug/L	96
40) 4-Methyl-2-pentanone	10.203	43	81581	50.068	ug/L	98
42) Toluene	10.386	91	342109	27.161	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	108260	27.124	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	56350	26.421	ug/L	99
46) Tetrachloroethene	10.861	164	58796	22.654	ug/L	97
48) 2-Hexanone	10.965	43	61873	48.476	ug/L	96
49) Dibromochloromethane	11.123	129	66965	26.512	ug/L	99
50) 1,2-Dibromoethane	11.233	107	51927	25.463	ug/L	94
51) Chlorobenzene	11.654	112	201167	25.163	ug/L	98
52) Ethylbenzene	11.727	91	351947	23.936	ug/L	100
53) m,p-Xylene	11.837	106	132280	23.907	ug/L	94
54) o-Xylene	12.160	106	124702	24.303	ug/L	90
55) Styrene	12.178	104	216595	24.575	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.709	83	58188	23.853	ug/L	96
59) Bromoform	12.349	173	35446	32.914	ug/L	98
60) Isopropylbenzene	12.459	105	309334	28.969	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	44762	32.634	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	189793	26.490	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	228343	26.394	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	120421	25.278	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	123031	25.827	ug/L	100
67) 1,2-Dichlorobenzene	13.867	146	104679	25.516	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.476	75	9147	28.388	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	51022	15.376	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	40151	14.243	ug/L	98
71) Naphthalene	15.360	128	100376	20.745	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	31117	13.390	ug/L	97

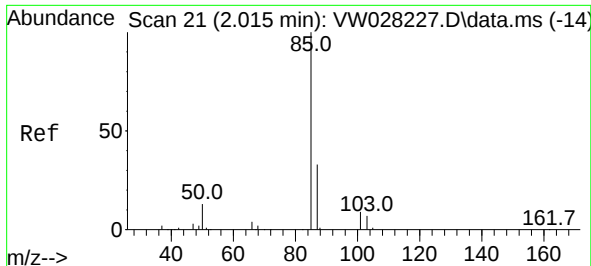
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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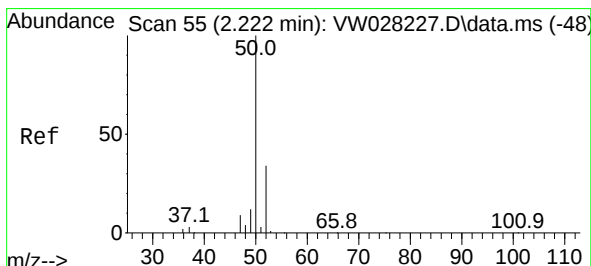
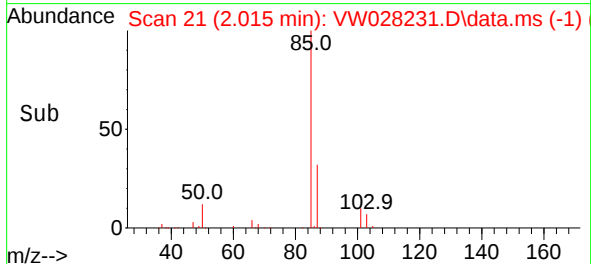
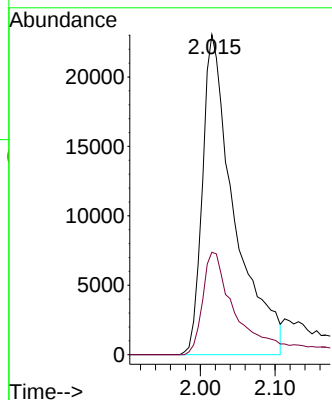
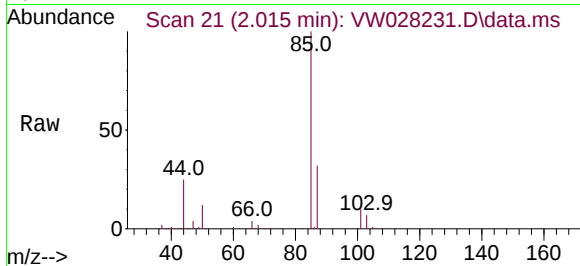




#2
 Dichlorodifluoromethane
 Concen: 20.349 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW028231.D
 Acq: 22 Mar 2024 16:37

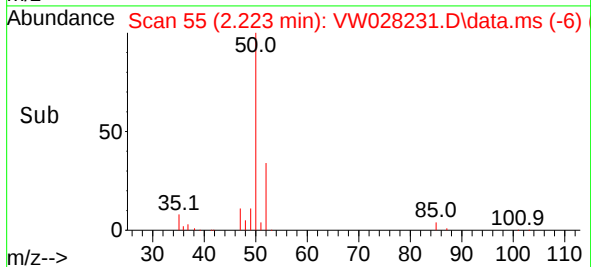
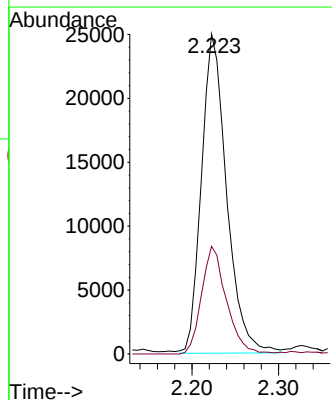
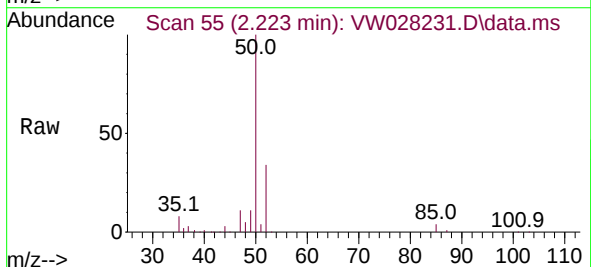
Instrument :
 MSVOA_W
 ClientSampleId :

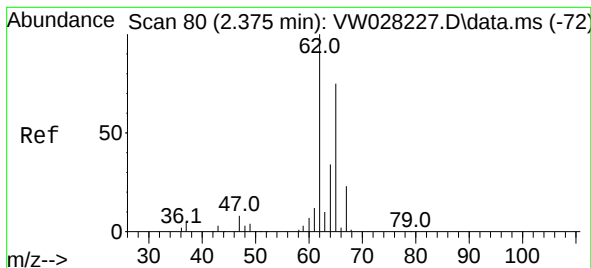
Tgt Ion: 85 Resp: 68175
 Ion Ratio Lower Upper
 85 100
 87 33.0 20.9 31.3#



#3
 Chloromethane
 Concen: 21.220 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW028231.D
 Acq: 22 Mar 2024 16:37

Tgt Ion: 50 Resp: 50422
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.7 42.1





#5

Vinyl chloride

Concen: 23.400 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

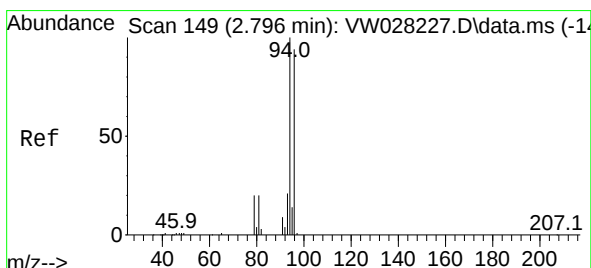
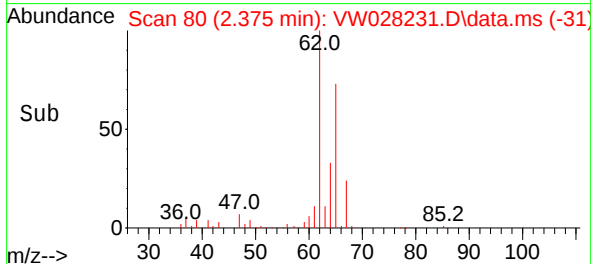
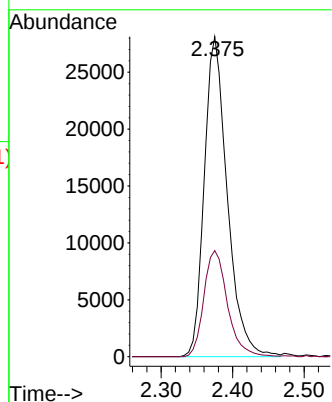
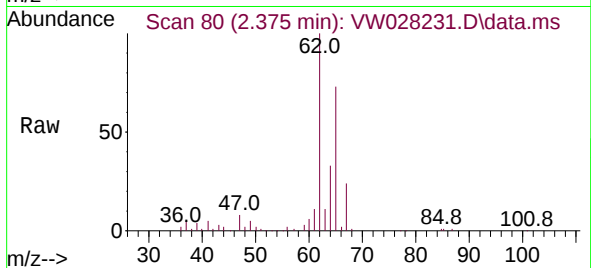
ClientSampleId :

Tgt Ion: 62 Resp: 62851

Ion Ratio Lower Upper

62 100

64 33.1 22.5 41.7



#6

Bromomethane

Concen: 23.738 ug/L

RT: 2.790 min Scan# 148

Delta R.T. -0.006 min

Lab File: VW028231.D

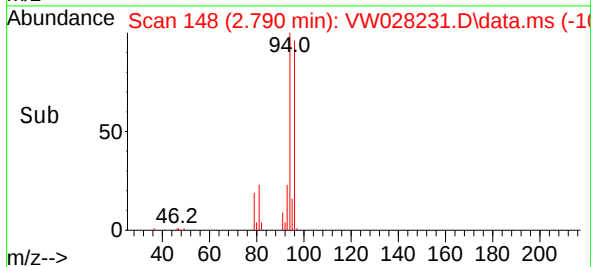
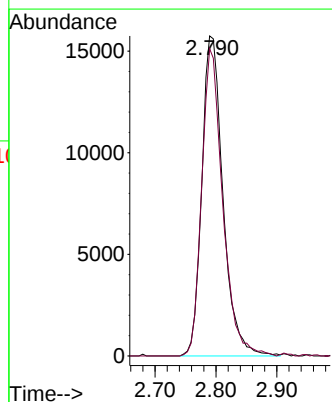
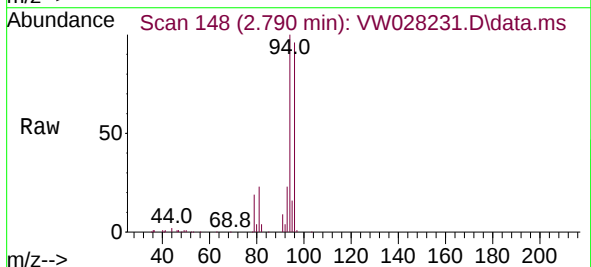
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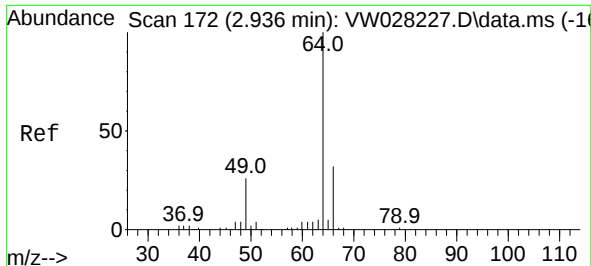
Tgt Ion: 94 Resp: 37972

Ion Ratio Lower Upper

94 100

96 96.0 60.8 113.0

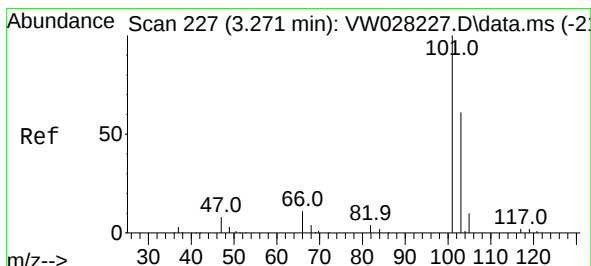
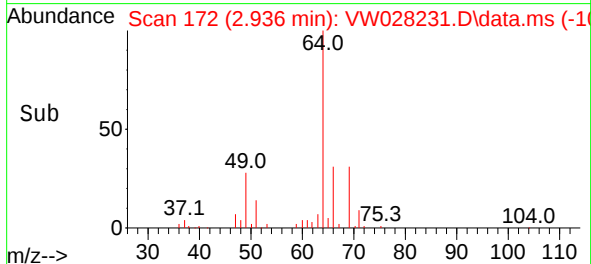
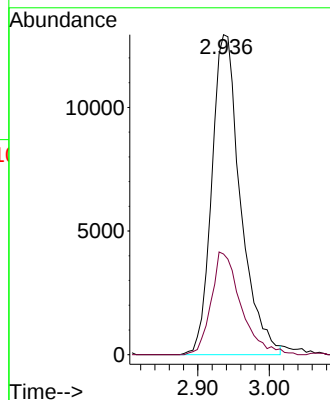
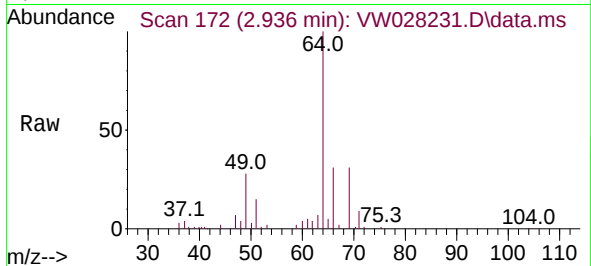




#8
Chloroethane
Concen: 24.989 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

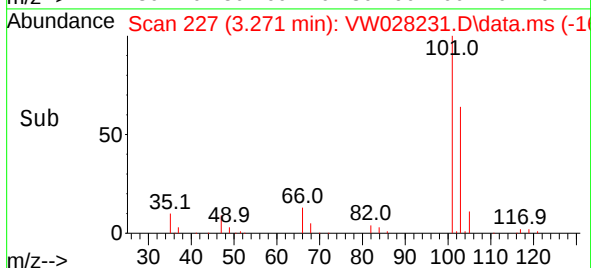
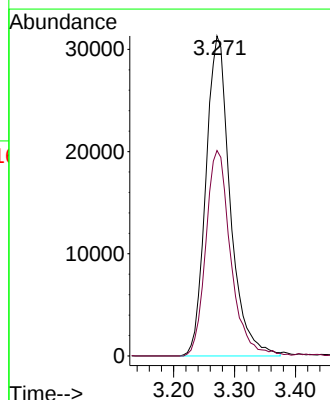
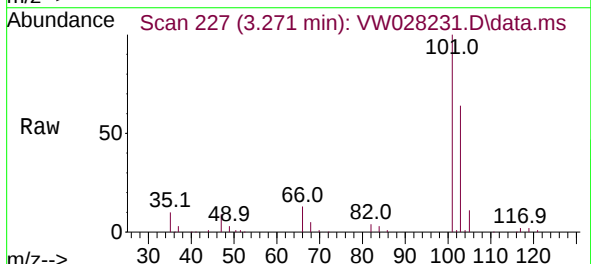
Instrument :
MSVOA_W
ClientSampleId :

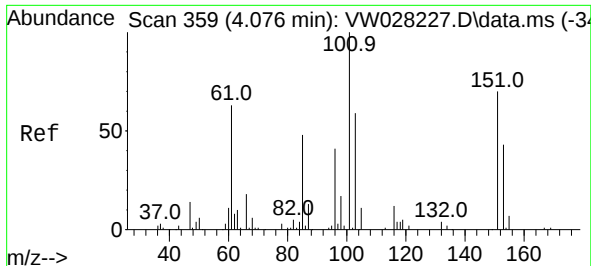
Tgt Ion: 64 Resp: 36076
Ion Ratio Lower Upper
64 100
66 31.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 26.725 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

Tgt Ion:101 Resp: 86788
Ion Ratio Lower Upper
101 100
103 64.7 50.9 76.3





#10

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

Concen: 21.746 ug/L

RT: 4.076 min Scan# 359

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

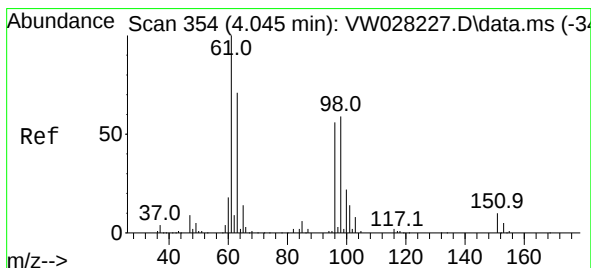
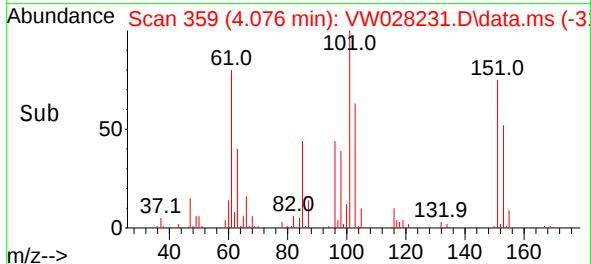
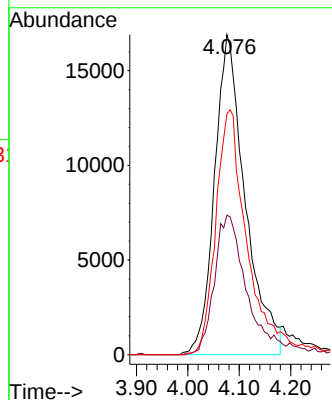
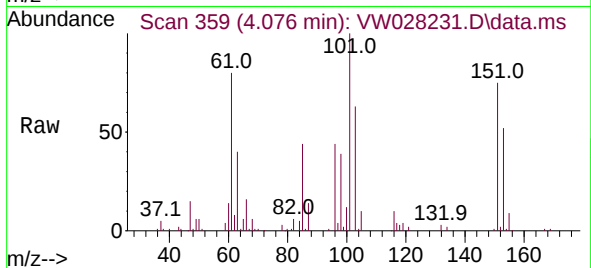
Tgt Ion:101 Resp: 70155

Ion Ratio Lower Upper

101 100

85 45.4 36.4 54.6

151 73.2 58.4 87.6



#12

1,1-Dichloroethene

Concen: 25.036 ug/L

RT: 4.052 min Scan# 355

Delta R.T. 0.006 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

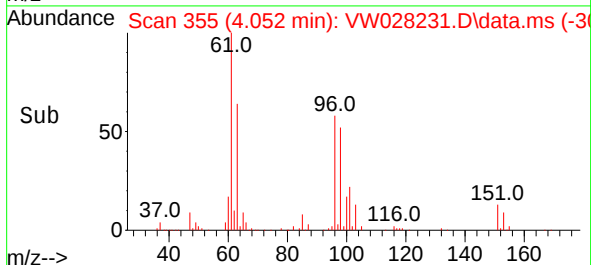
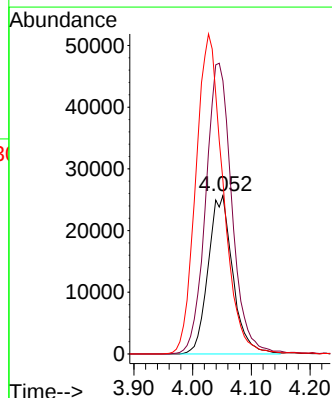
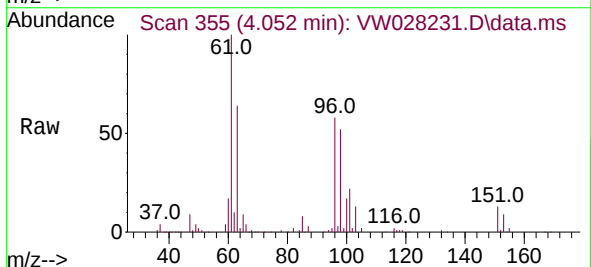
Tgt Ion: 96 Resp: 74665

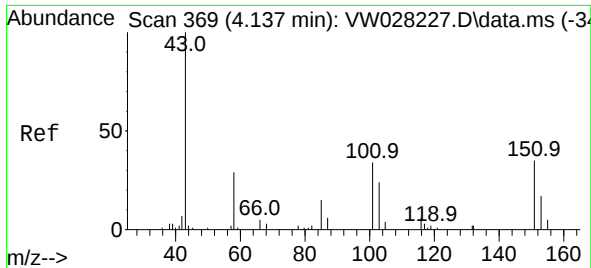
Ion Ratio Lower Upper

96 100

61 172.4 132.2 245.4

63 109.5 104.6 194.2

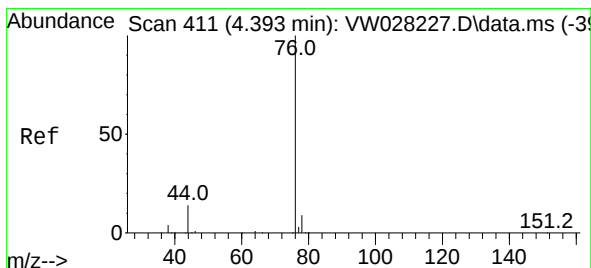
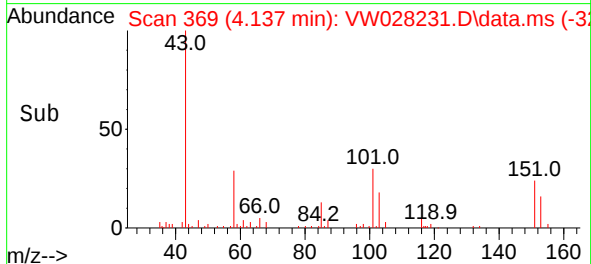
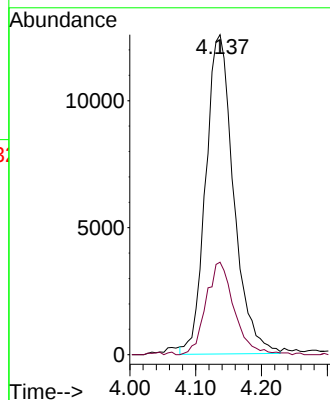
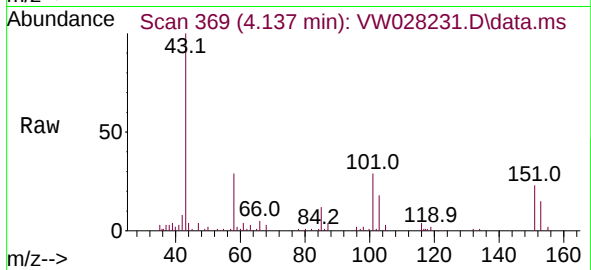




#13
Acetone
Concen: 41.916 ug/L
RT: 4.137 min Scan# 369
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

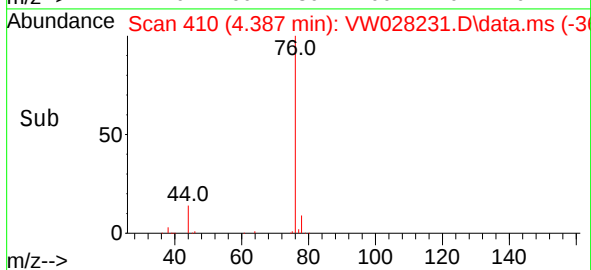
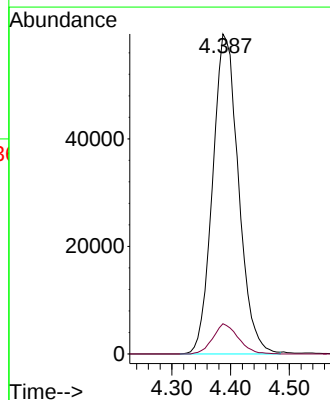
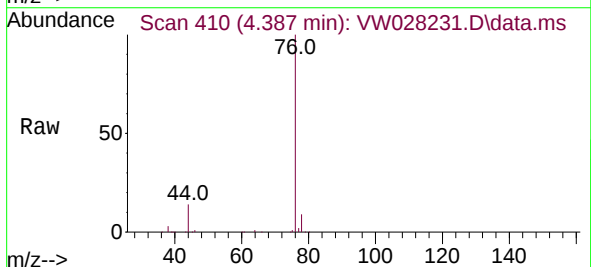
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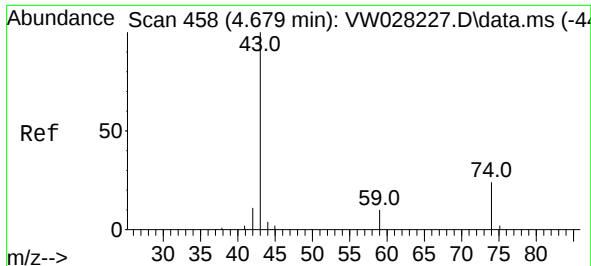
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Ion Ratio Lower Upper
43 100
58 29.0 0.0 57.8



#14
Carbon disulfide
Concen: 19.547 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 181822
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

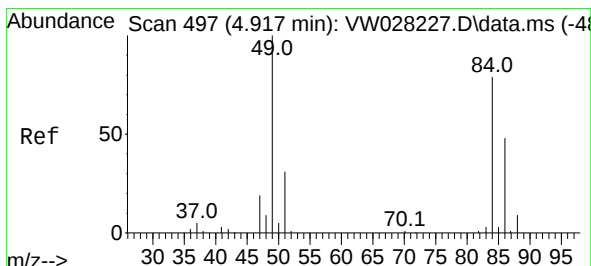
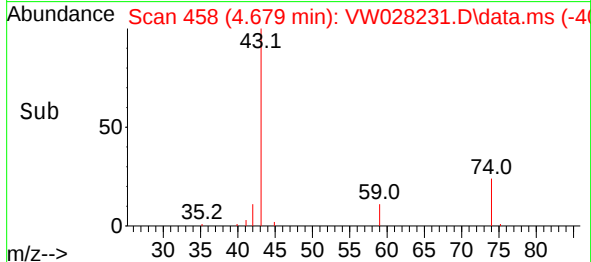
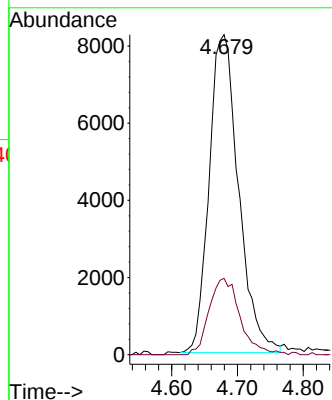
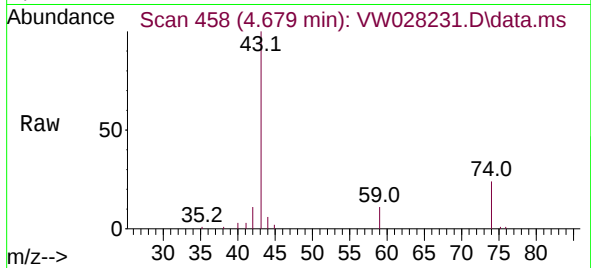




#15
Methyl Acetate
Concen: 18.835 ug/L
RT: 4.679 min Scan# 458
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

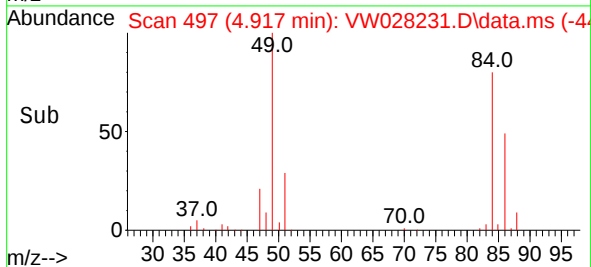
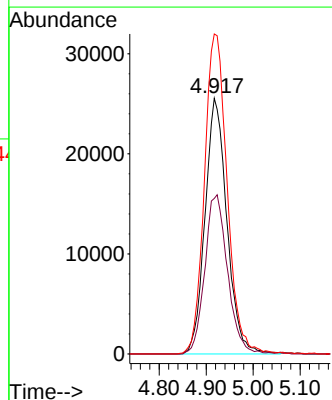
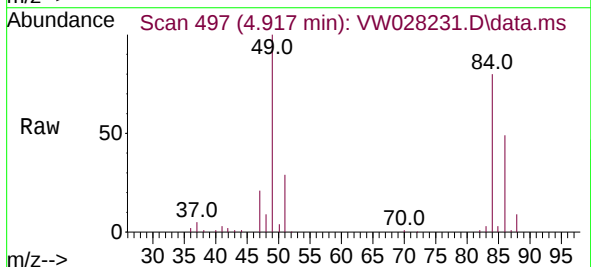
Instrument :
MSVOA_W
ClientSampleId :

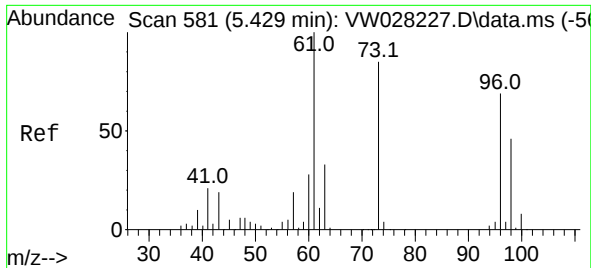
Tgt Ion: 43 Resp: 25673
Ion Ratio Lower Upper
43 100
74 24.8 18.2 27.2



#16
Methylene chloride
Concen: 23.531 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

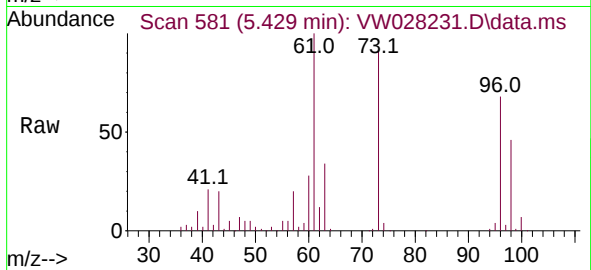
Tgt Ion: 84 Resp: 82713
Ion Ratio Lower Upper
84 100
86 60.8 43.1 80.1
49 125.2 89.4 166.0





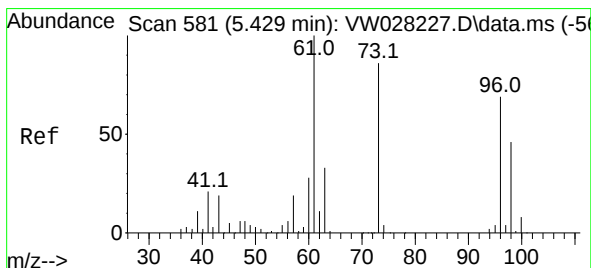
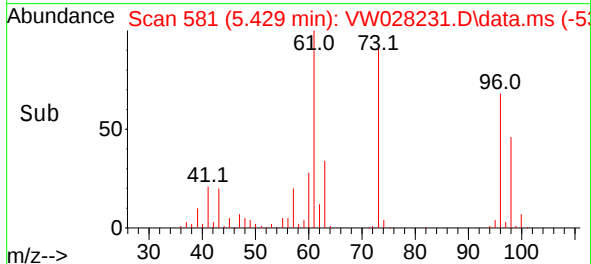
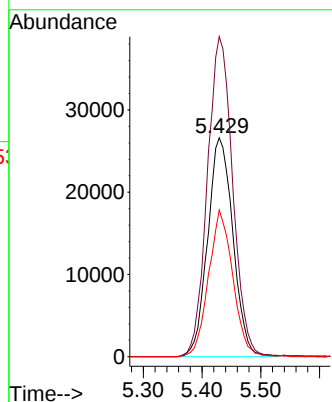
#17
trans-1,2-Dichloroethene
Concen: 25.187 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 79826

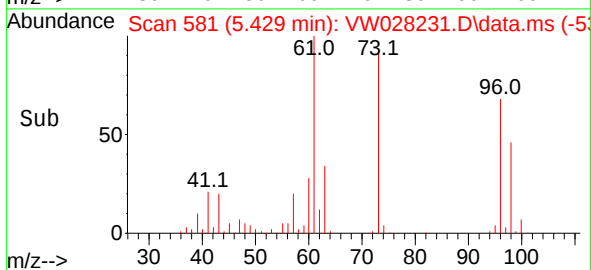
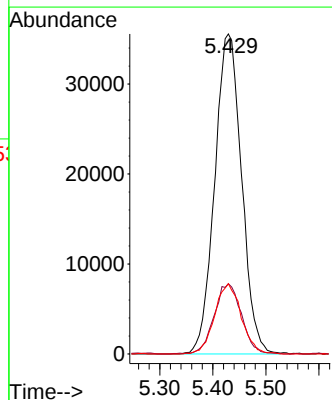
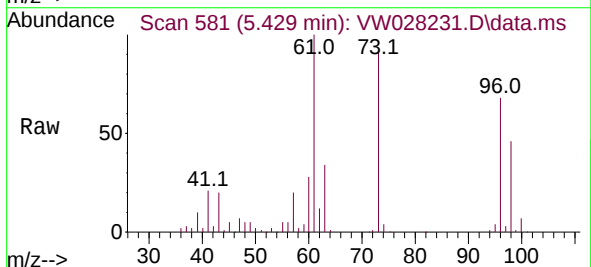
Ion	Ratio	Lower	Upper
96	100		
61	146.2	98.4	182.8
98	67.1	45.6	84.8

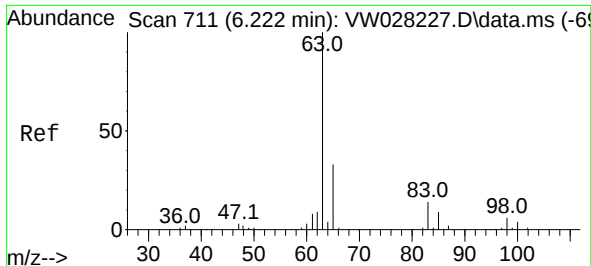


#18
Methyl tert-butyl Ether
Concen: 26.170 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

Tgt Ion: 73 Resp: 125136

Ion	Ratio	Lower	Upper
73	100		
43	22.2	18.2	27.4
57	21.7	17.4	26.2





#19

1,1-Dichloroethane

Concen: 26.040 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

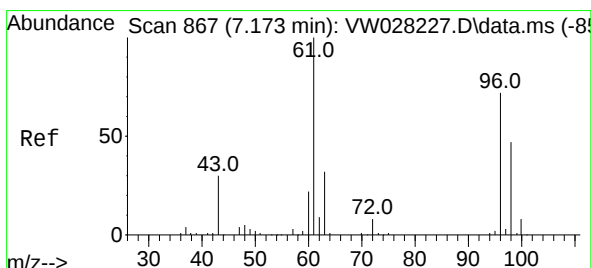
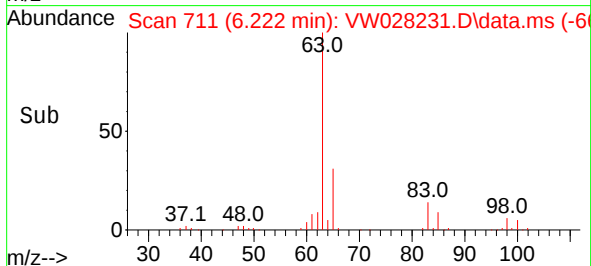
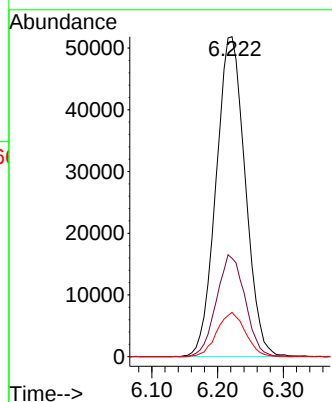
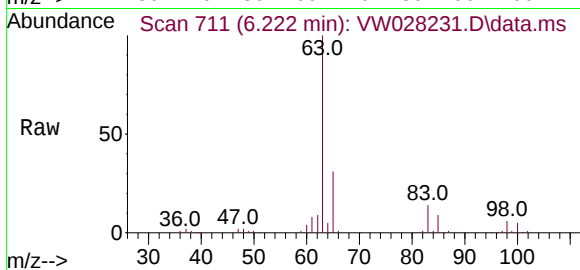
Tgt Ion: 63 Resp: 159776

Ion Ratio Lower Upper

63 100

65 30.7 22.1 41.1

83 13.9 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 25.980 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

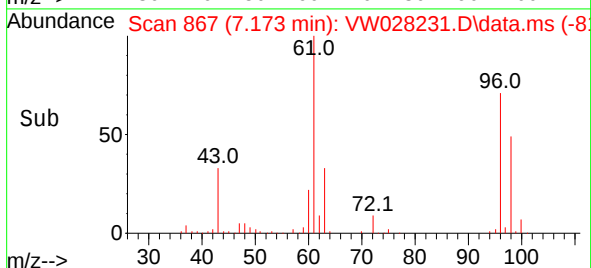
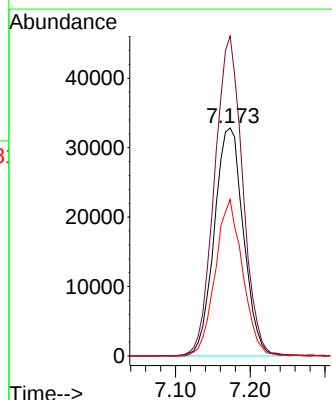
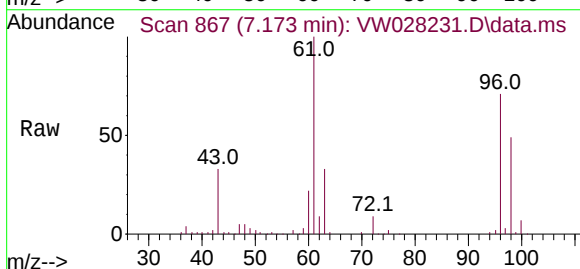
Tgt Ion: 96 Resp: 88927

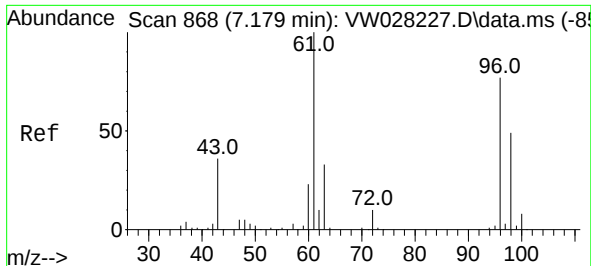
Ion Ratio Lower Upper

96 100

61 140.3 95.7 177.7

98 68.6 43.9 81.5





#22

2-Butanone

Concen: 42.296 ug/L

RT: 7.173 min Scan# 868

Delta R.T. -0.006 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

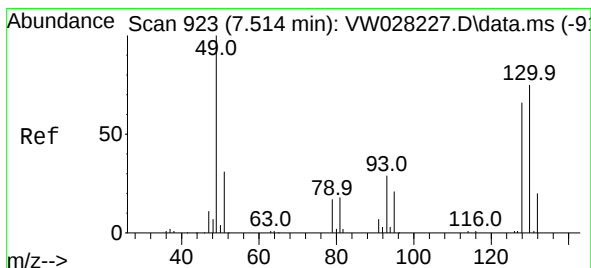
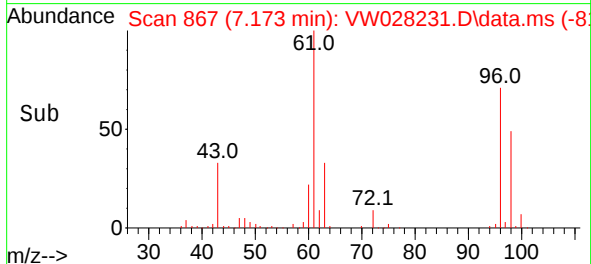
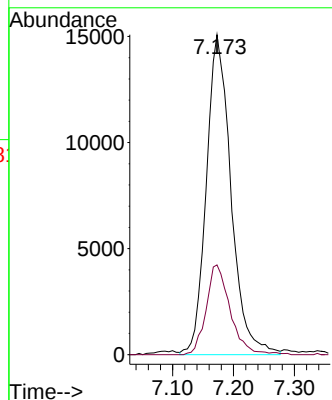
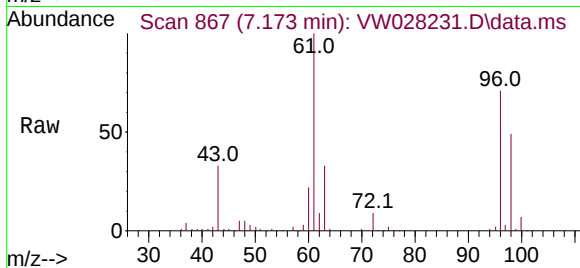
ClientSampleId :

Tgt Ion: 43 Resp: 42495

Ion Ratio Lower Upper

43 100

72 27.0 12.8 38.4



#23

Bromochloromethane

Concen: 24.692 ug/L

RT: 7.514 min Scan# 923

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Tgt Ion: 128 Resp: 37365

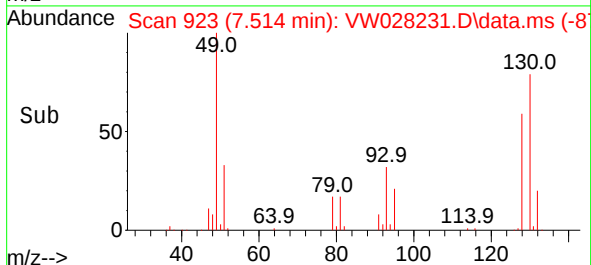
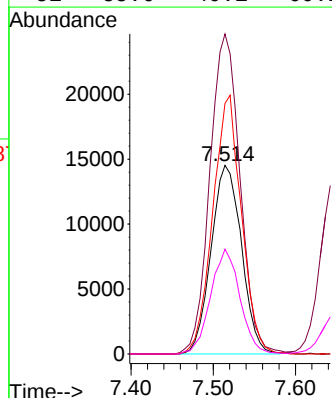
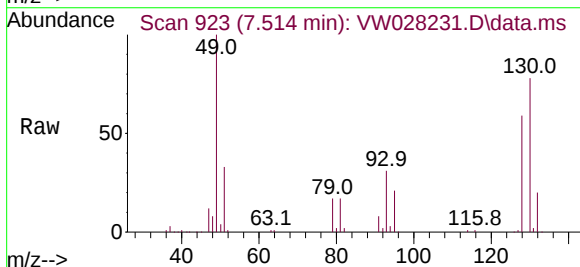
Ion Ratio Lower Upper

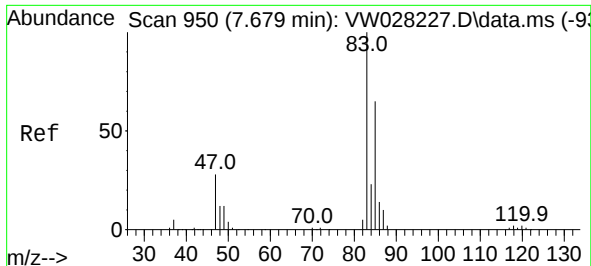
128 100

49 169.7 116.6 216.6

130 132.8 80.1 148.7

51 55.6 40.1 60.1





#25

Chloroform

Concen: 25.876 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

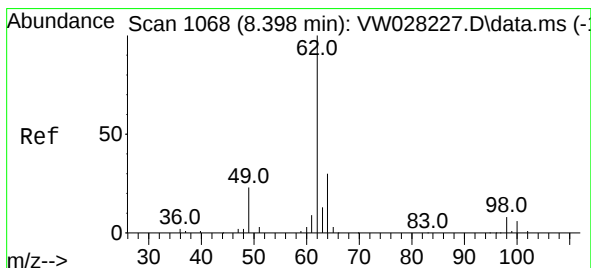
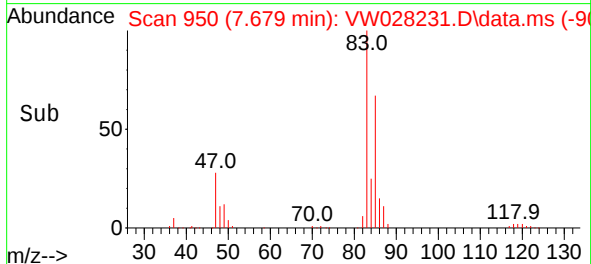
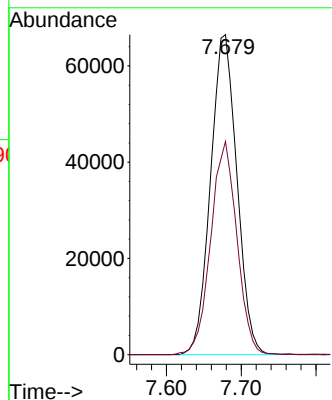
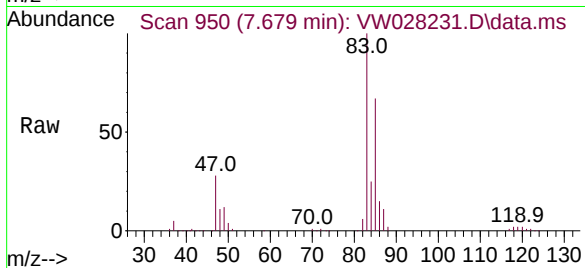
ClientSampleId :

Tgt Ion: 83 Resp: 163448

Ion Ratio Lower Upper

83 100

85 66.6 44.5 82.7



#27

1,2-Dichloroethane

Concen: 23.954 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028231.D

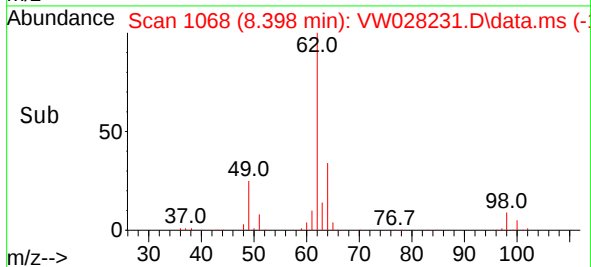
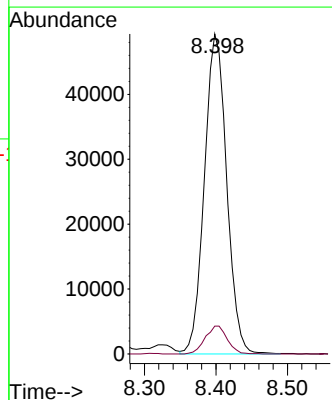
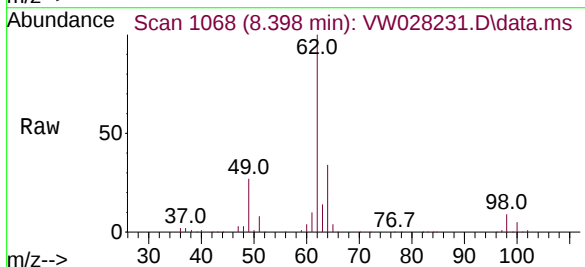
Acq: 22 Mar 2024 16:37

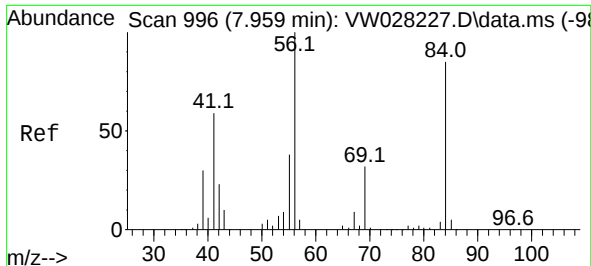
Tgt Ion: 62 Resp: 106855

Ion Ratio Lower Upper

62 100

98 8.7 5.9 8.9





#29

Cyclohexane

Concen: 21.270 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

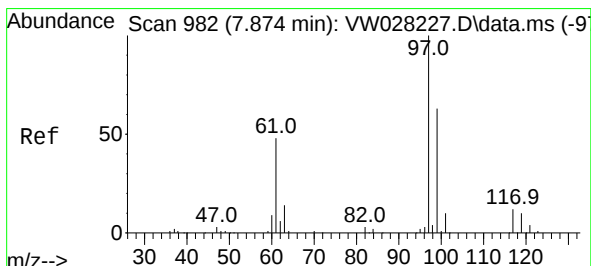
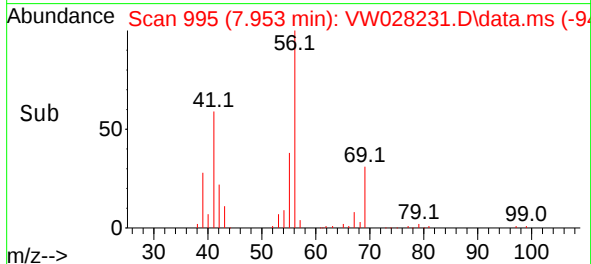
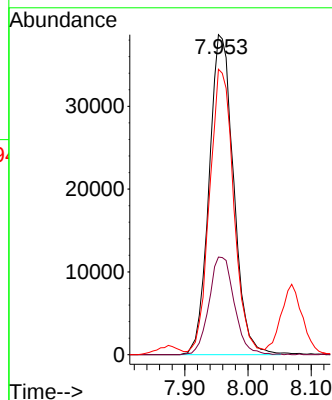
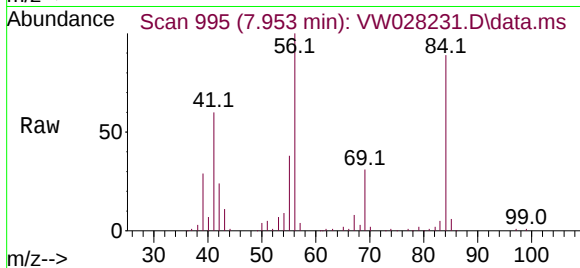
Tgt Ion: 56 Resp: 104051

Ion Ratio Lower Upper

56 100

69 31.3 24.0 36.0

84 88.0 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 28.671 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

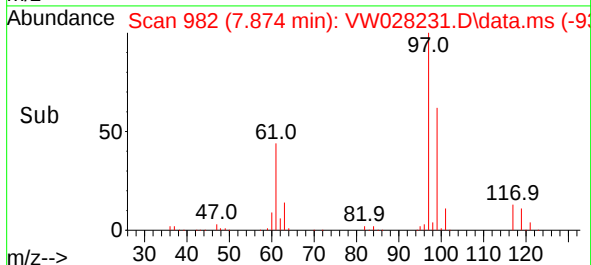
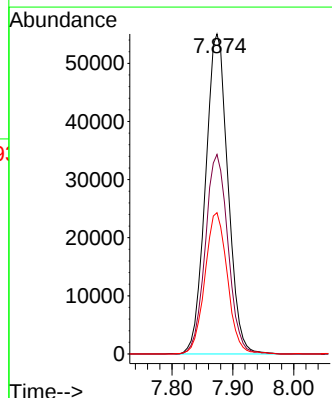
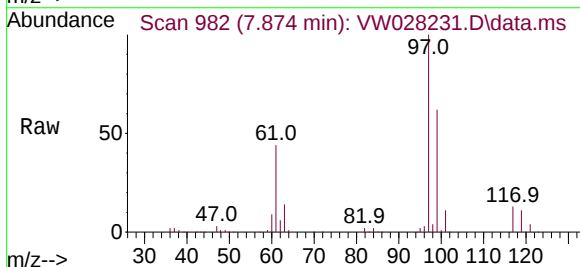
Tgt Ion: 97 Resp: 140955

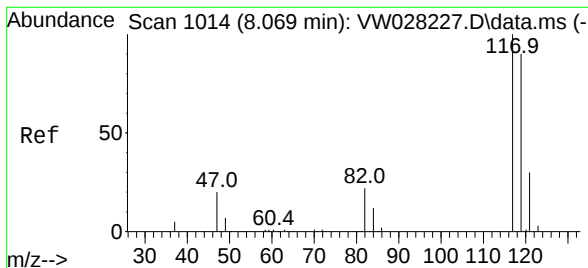
Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

61 44.2 37.0 55.6





#31

Carbon tetrachloride

Concen: 26.521 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

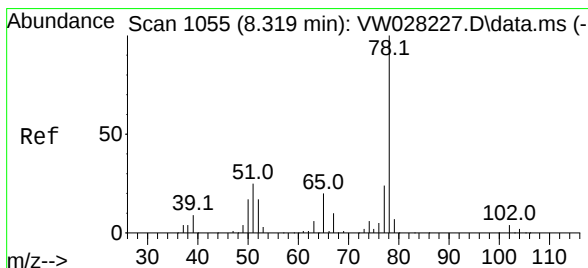
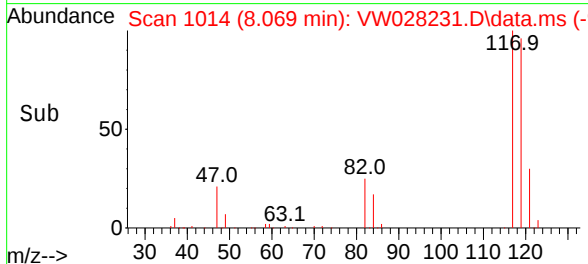
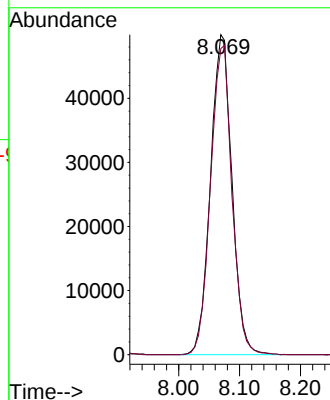
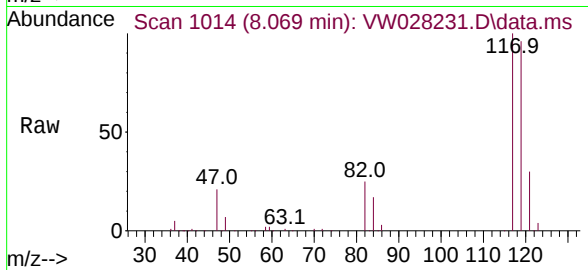
ClientSampleId :

Tgt Ion:117 Resp: 122300

Ion Ratio Lower Upper

117 100

119 96.3 78.2 117.4



#33

Benzene

Concen: 28.587 ug/L

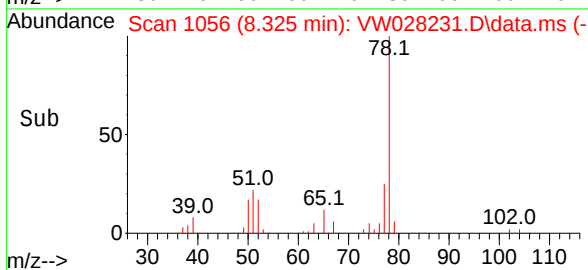
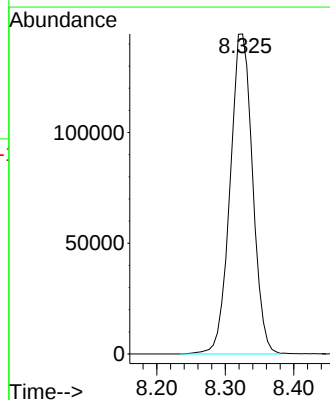
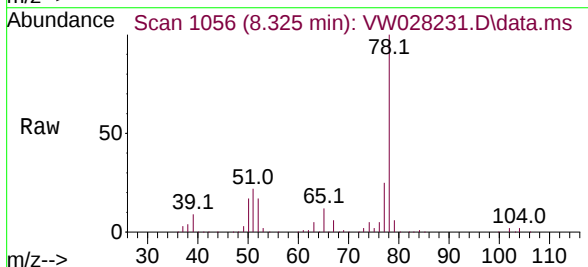
RT: 8.325 min Scan# 1056

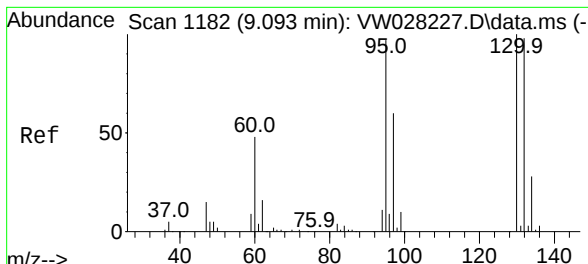
Delta R.T. 0.006 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Tgt Ion: 78 Resp: 329913





#34

Trichloroethene

Concen: 27.006 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 86954

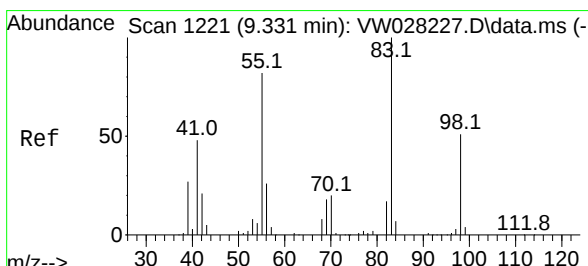
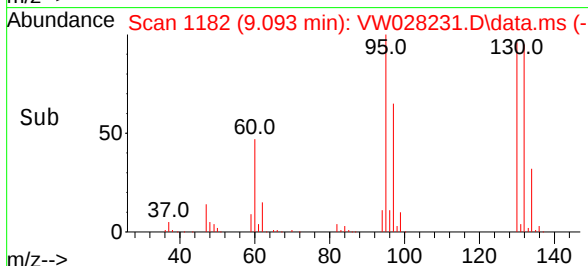
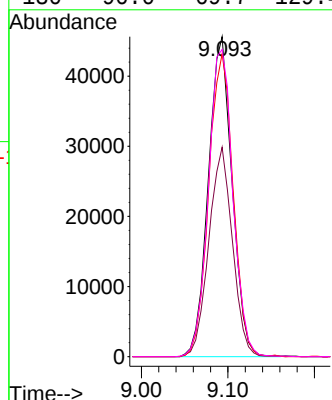
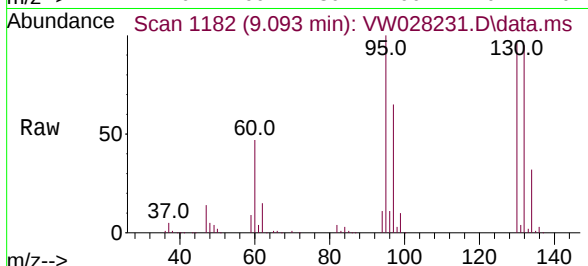
Ion Ratio Lower Upper

95 100

97 65.5 42.4 78.6

132 94.7 69.4 128.8

130 96.0 69.7 129.4



#35

Methylcyclohexane

Concen: 15.630 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

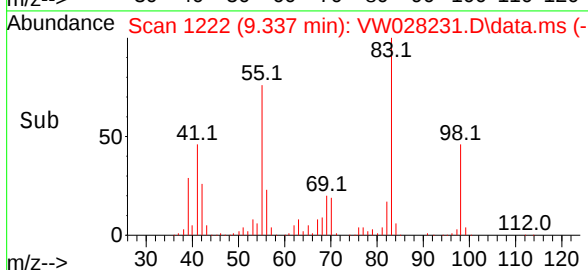
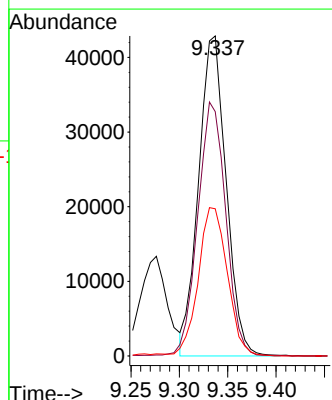
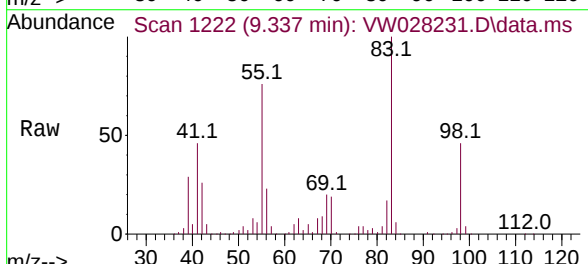
Tgt Ion: 83 Resp: 85067

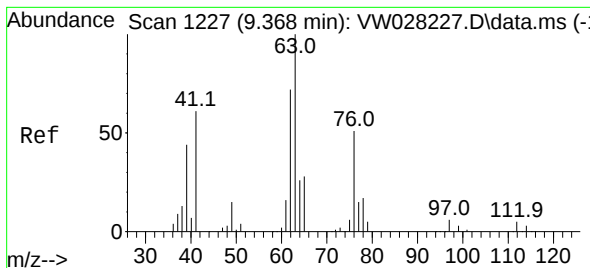
Ion Ratio Lower Upper

83 100

55 80.8 64.2 96.4

98 48.9 38.3 57.5





#37

1,2-Dichloropropane

Concen: 28.492 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

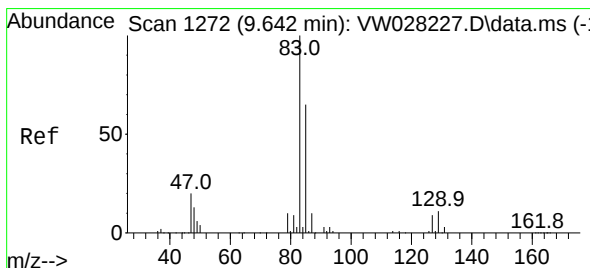
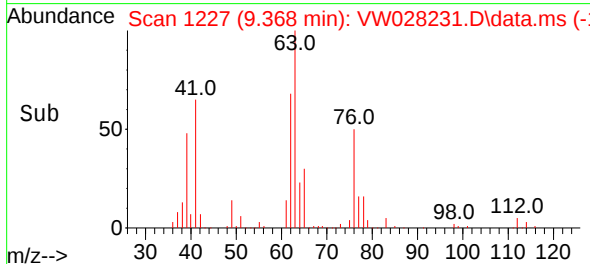
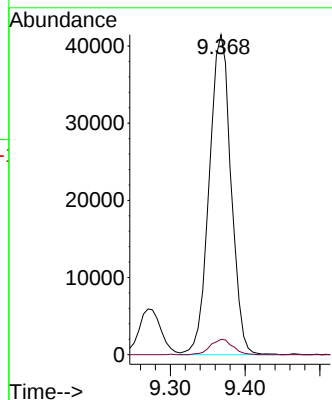
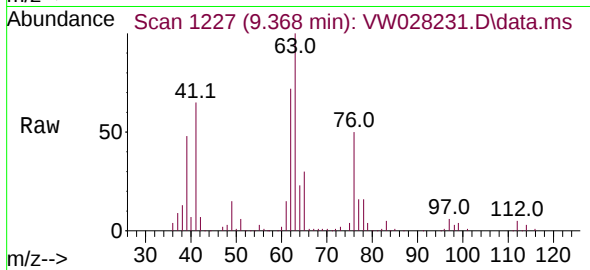
ClientSampleId :

Tgt Ion: 63 Resp: 84104

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 27.806 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

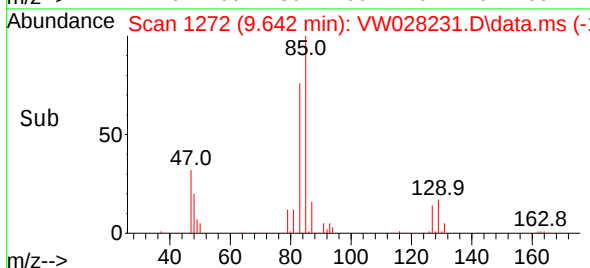
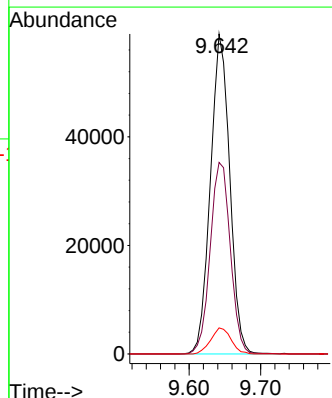
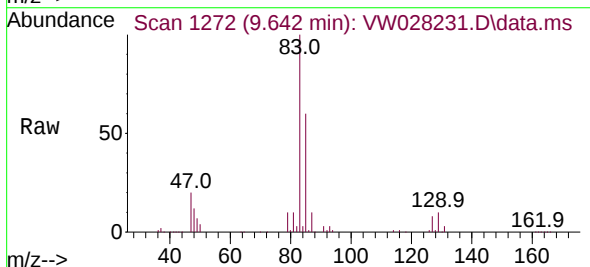
Tgt Ion: 83 Resp: 110666

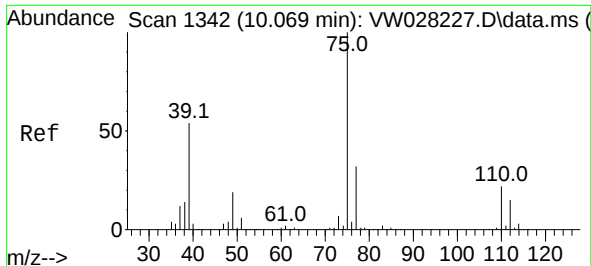
Ion Ratio Lower Upper

83 100

85 59.9 45.8 85.2

127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 28.288 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

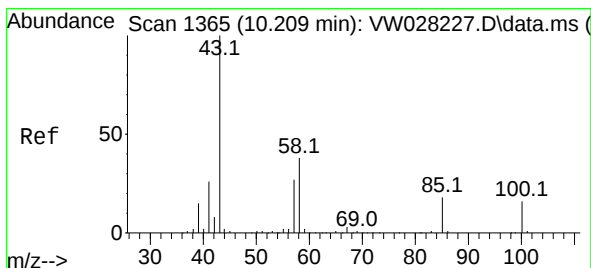
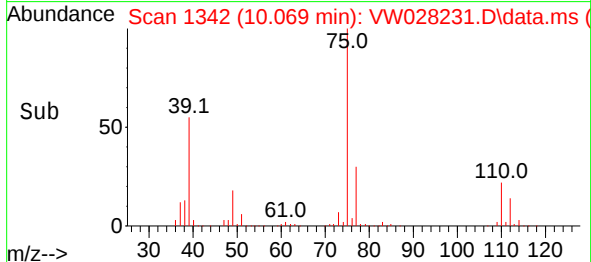
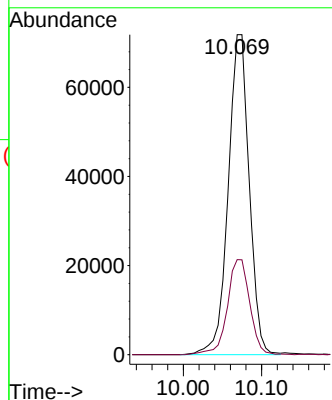
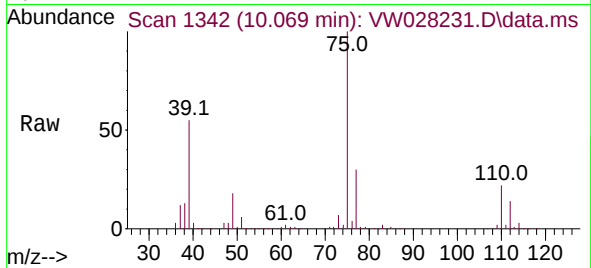
ClientSampleId :

Tgt Ion: 75 Resp: 133730

Ion Ratio Lower Upper

75 100

77 29.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 50.068 ug/L

RT: 10.203 min Scan# 1364

Delta R.T. -0.006 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

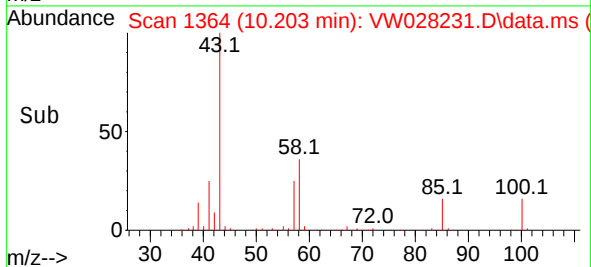
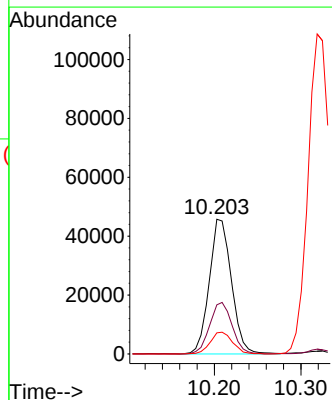
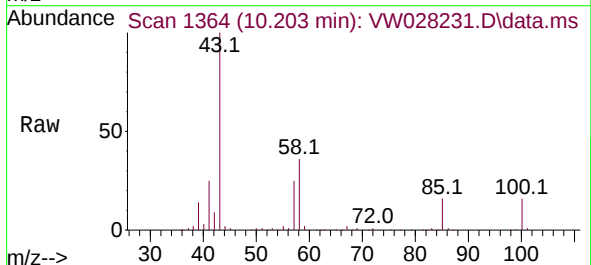
Tgt Ion: 43 Resp: 81581

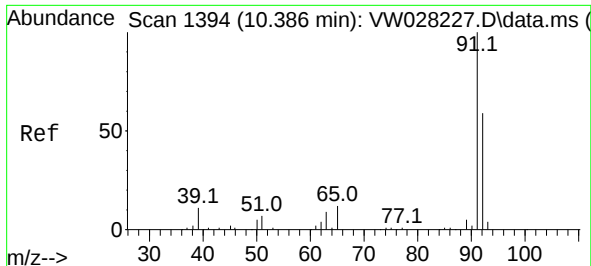
Ion Ratio Lower Upper

43 100

58 38.7 30.1 45.1

100 16.3 11.8 17.8





#42

Toluene

Concen: 27.161 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

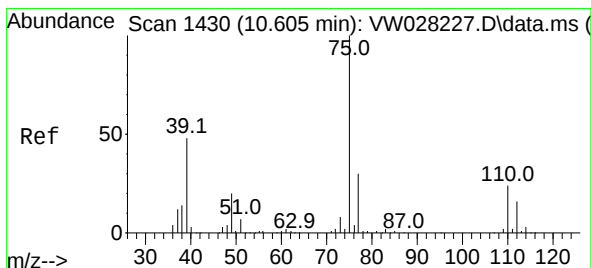
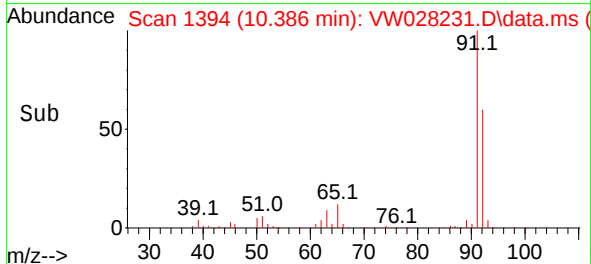
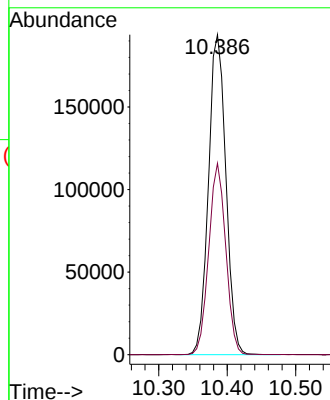
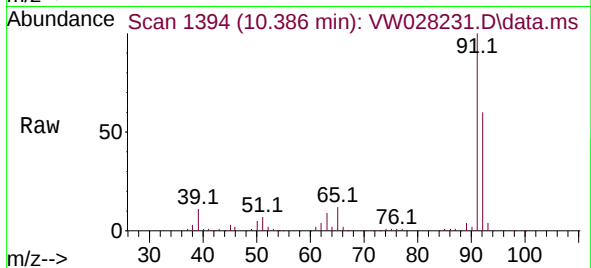
ClientSampleId :

Tgt Ion: 91 Resp: 342109

Ion Ratio Lower Upper

91 100

92 59.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 27.124 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028231.D

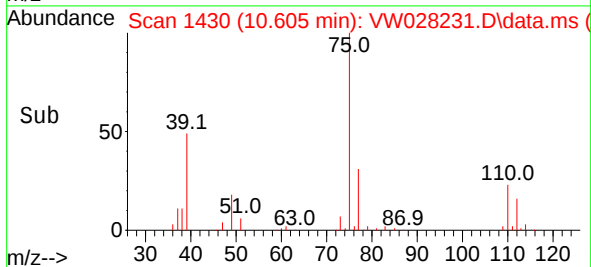
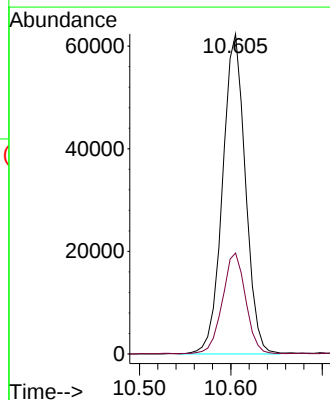
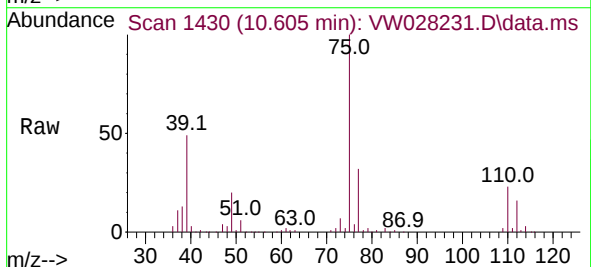
Acq: 22 Mar 2024 16:37

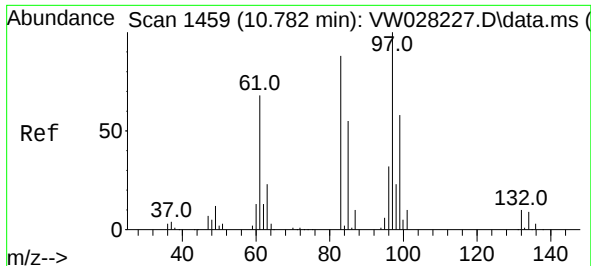
Tgt Ion: 75 Resp: 108260

Ion Ratio Lower Upper

75 100

77 31.6 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 26.421 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 56350

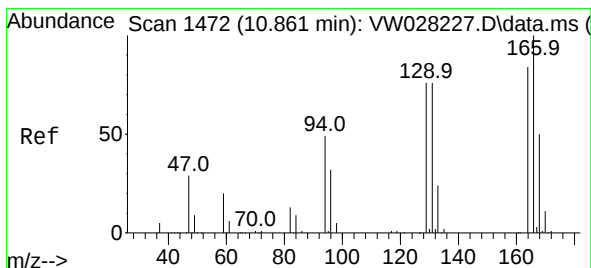
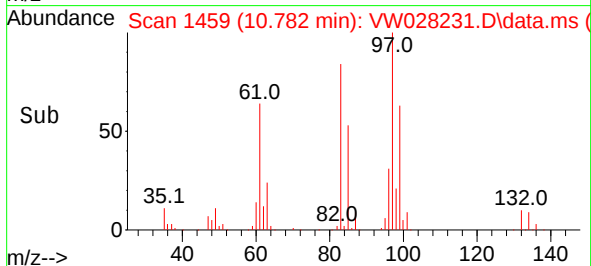
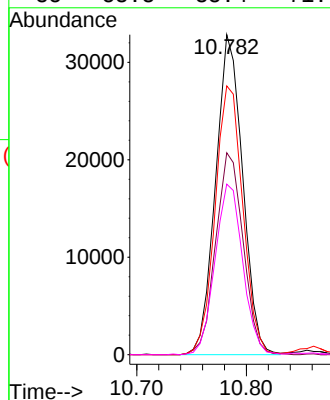
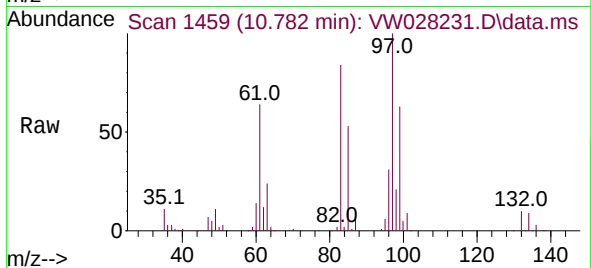
Ion Ratio Lower Upper

97 100

99 63.1 43.4 80.6

83 84.0 59.4 110.4

85 53.3 38.4 71.4



#46

Tetrachloroethene

Concen: 22.654 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Tgt Ion:164 Resp: 58796

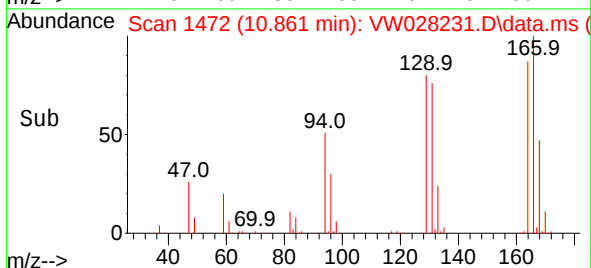
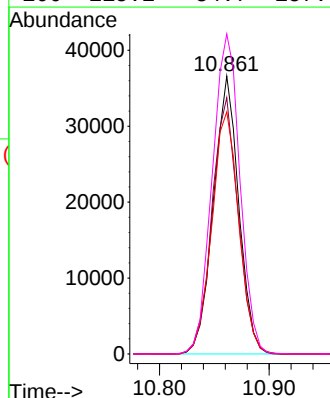
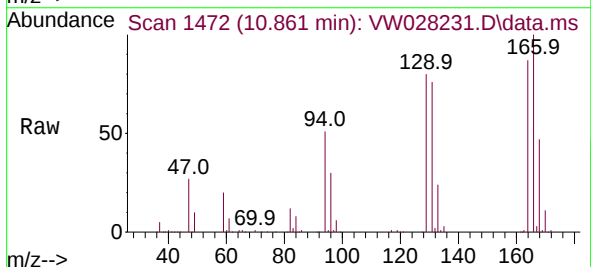
Ion Ratio Lower Upper

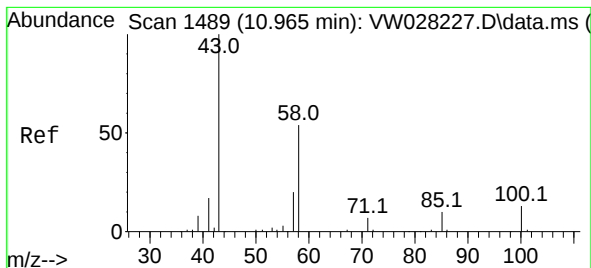
164 100

129 92.2 64.0 119.0

131 87.1 62.6 116.3

166 115.1 84.7 157.3





#48

2-Hexanone

Concen: 48.476 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 61873

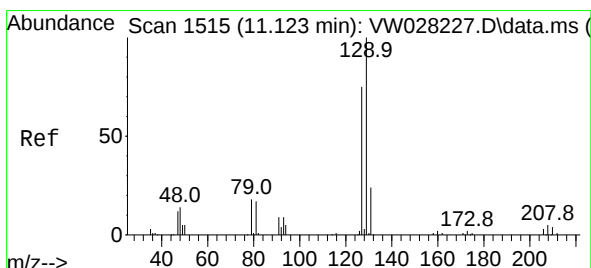
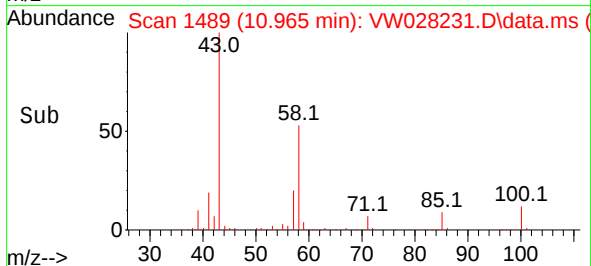
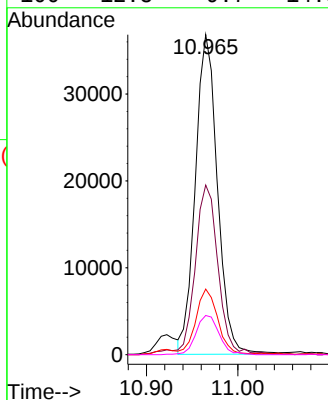
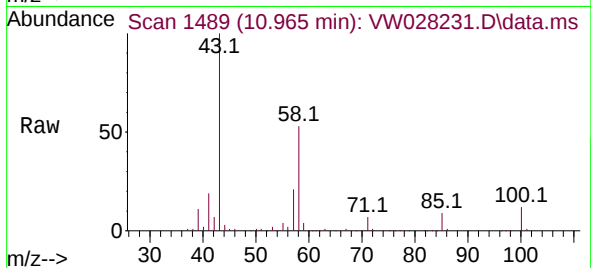
Ion Ratio Lower Upper

43 100

58 54.0 40.6 61.0

57 20.4 15.7 23.5

100 12.8 9.7 14.5



#49

Dibromochloromethane

Concen: 26.512 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW028231.D

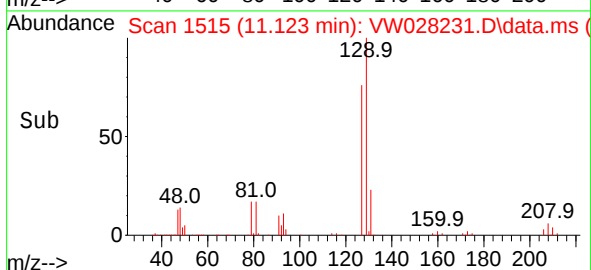
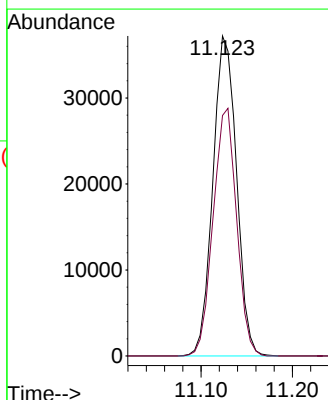
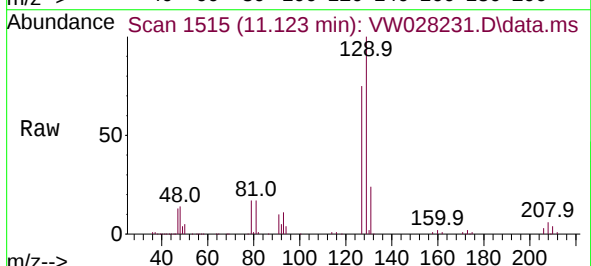
Acq: 22 Mar 2024 16:37

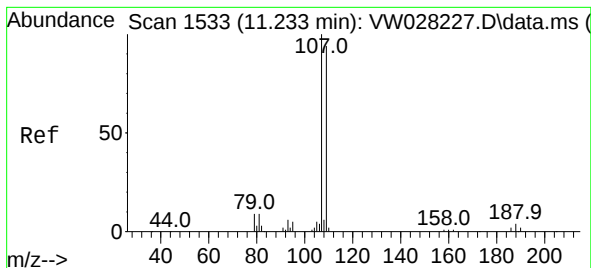
Tgt Ion:129 Resp: 66965

Ion Ratio Lower Upper

129 100

127 75.2 53.1 98.7





#50

1,2-Dibromoethane

Concen: 25.463 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW028231.D

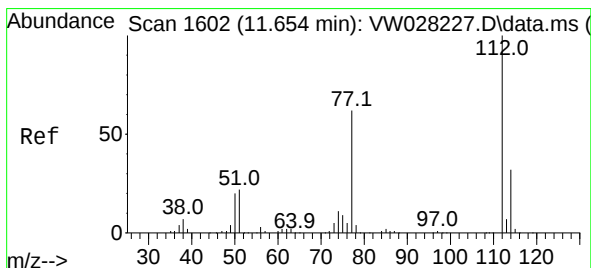
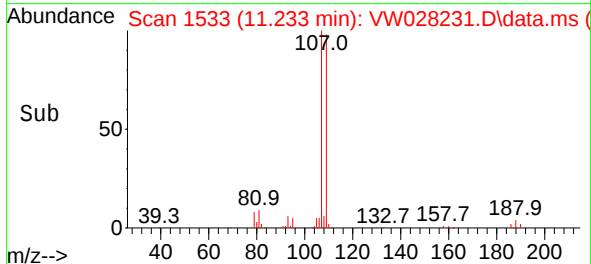
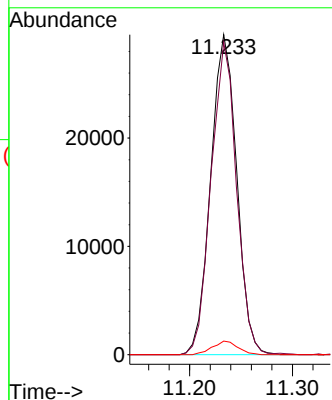
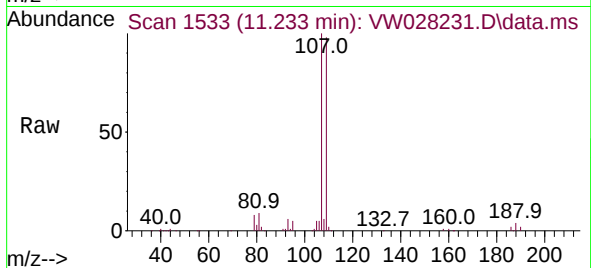
Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:107	Resp:	51927
Ion Ratio	Lower	Upper
107	100	
109	97.6	64.4 119.6
188	4.2	3.4 5.2



#51

Chlorobenzene

Concen: 25.163 ug/L

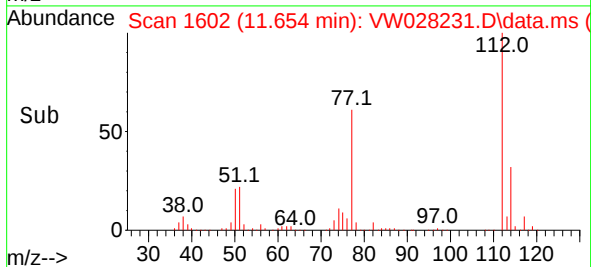
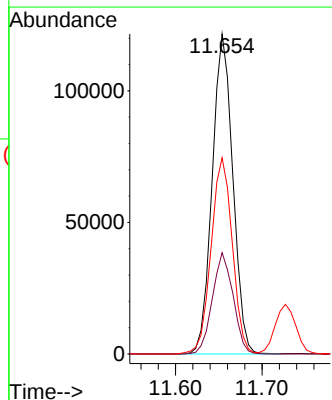
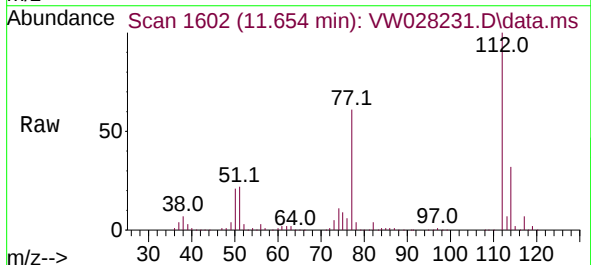
RT: 11.654 min Scan# 1602

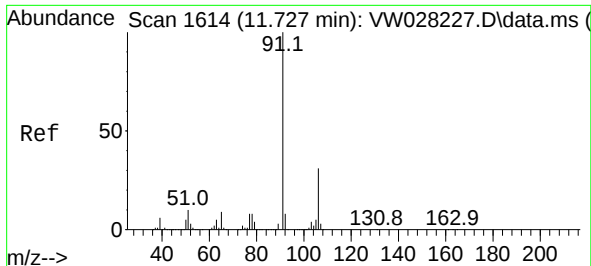
Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Tgt Ion:112	Resp:	201167
Ion Ratio	Lower	Upper
112	100	
114	31.6	21.8 40.6
77	61.3	50.6 76.0





#52

Ethylbenzene

Concen: 23.936 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

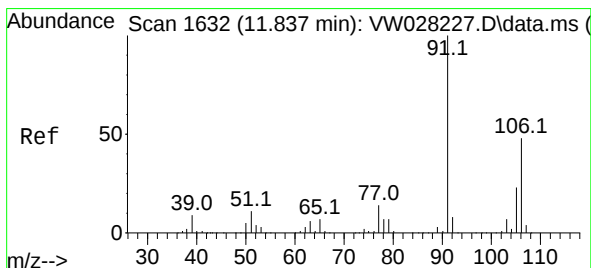
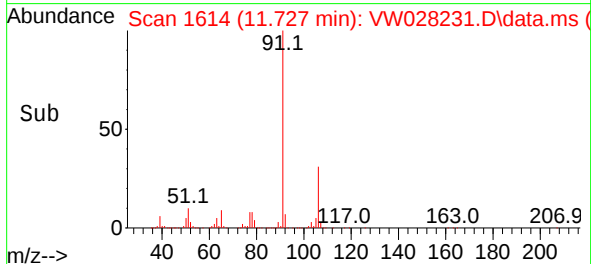
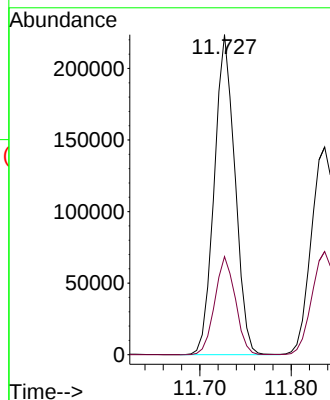
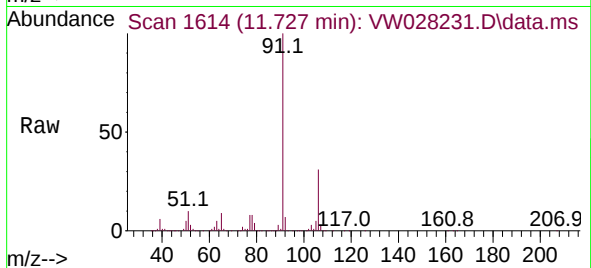
ClientSampleId :

Tgt Ion: 91 Resp: 351947

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5



#53

m,p-Xylene

Concen: 23.907 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028231.D

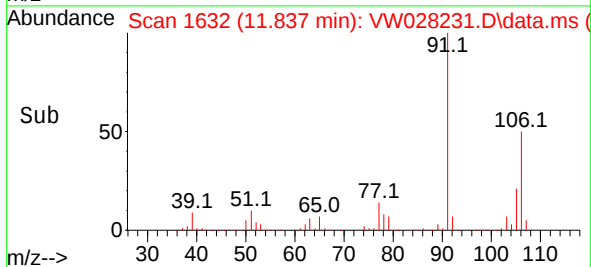
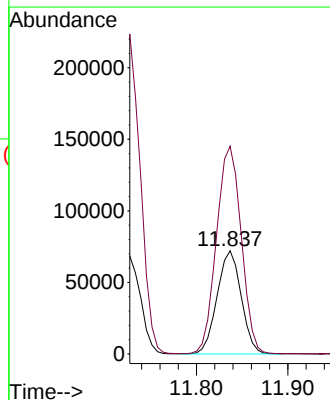
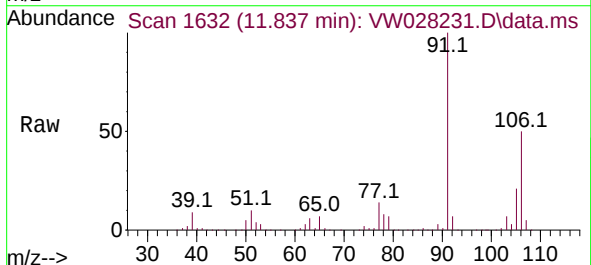
Acq: 22 Mar 2024 16:37

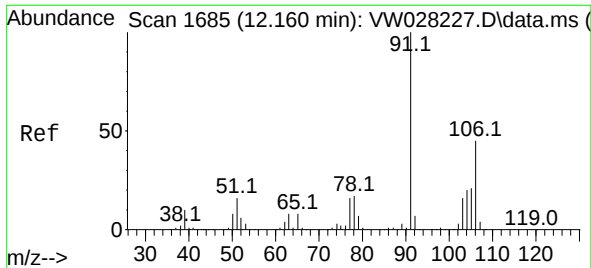
Tgt Ion:106 Resp: 132280

Ion Ratio Lower Upper

106 100

91 201.2 147.1 273.1

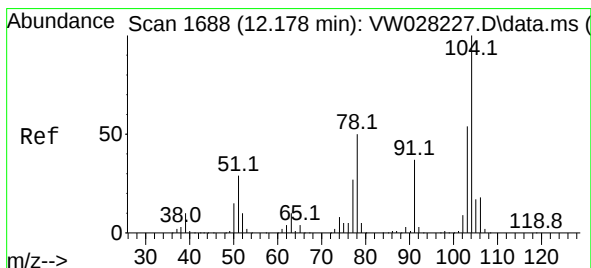
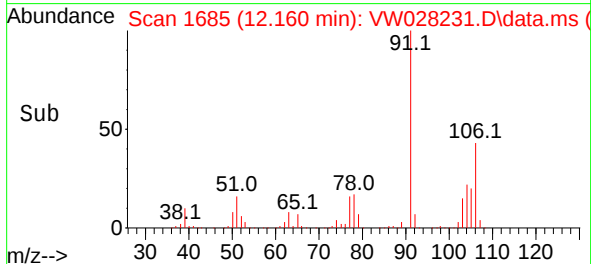
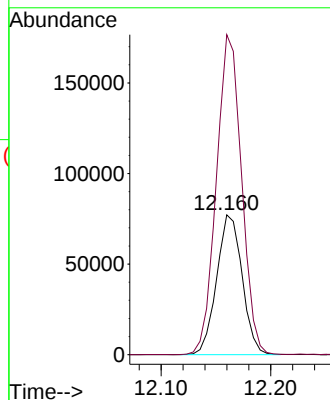
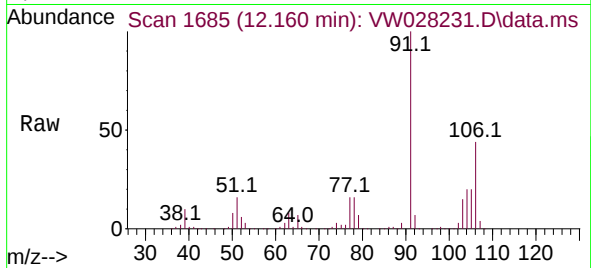




#54
o-Xylene
Concen: 24.303 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

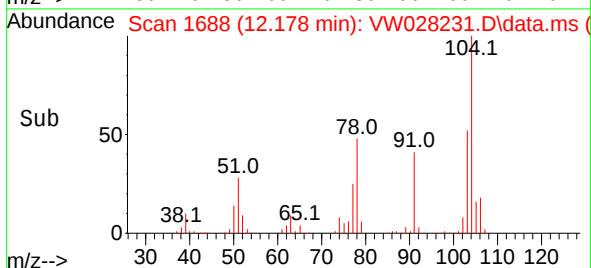
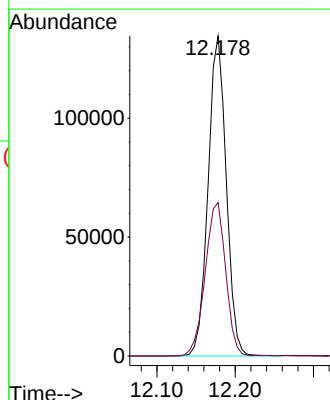
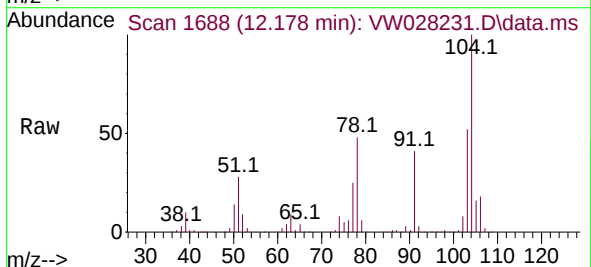
Instrument :
MSVOA_W
ClientSampleId :

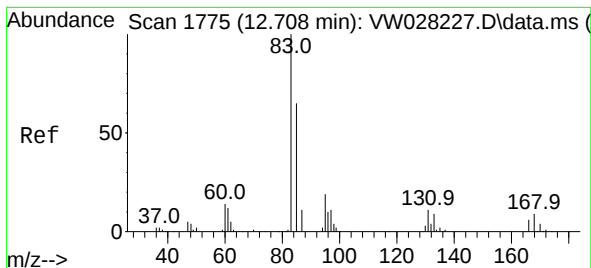
Tgt Ion:106 Resp: 124702
Ion Ratio Lower Upper
106 100
91 228.9 149.2 277.2



#55
Styrene
Concen: 24.575 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

Tgt Ion:104 Resp: 216595
Ion Ratio Lower Upper
104 100
78 47.9 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 23.853 ug/L

RT: 12.709 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

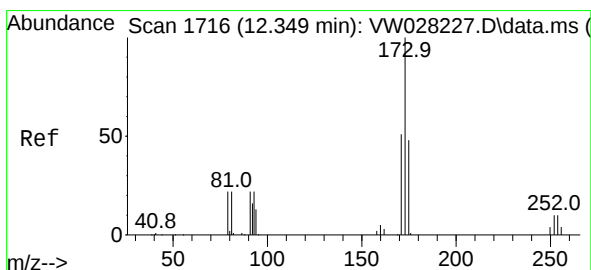
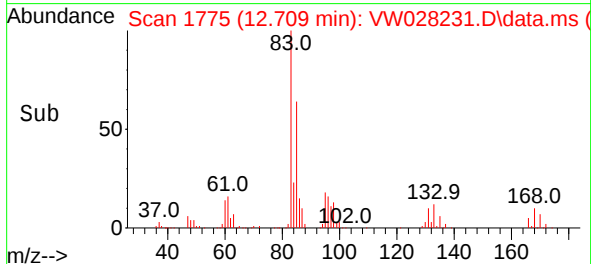
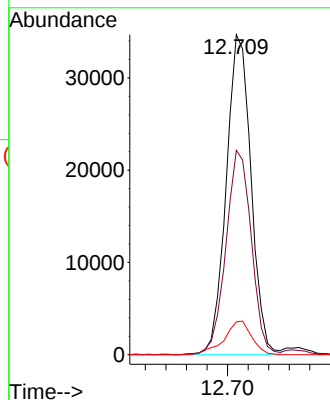
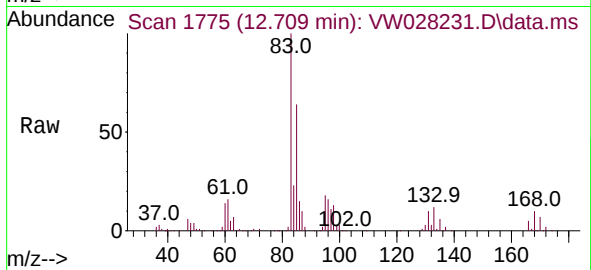
Tgt Ion: 83 Resp: 58188

Ion Ratio Lower Upper

83 100

85 63.9 47.0 87.2

131 10.3 8.9 13.3



#59

Bromoform

Concen: 32.914 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

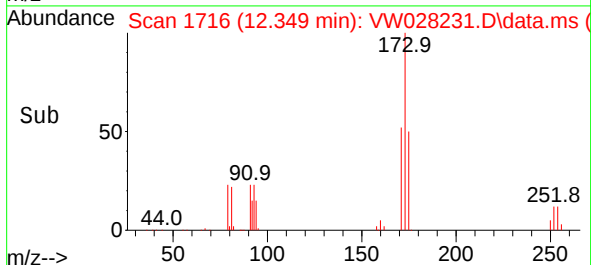
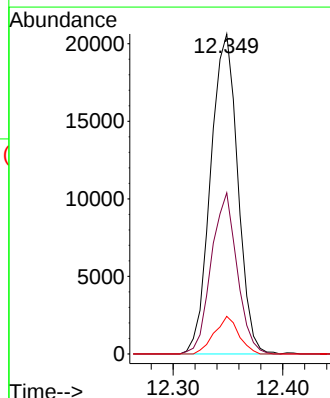
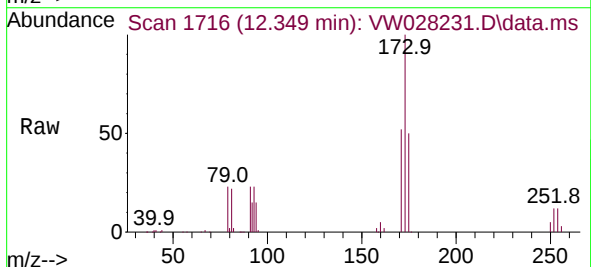
Tgt Ion:173 Resp: 35446

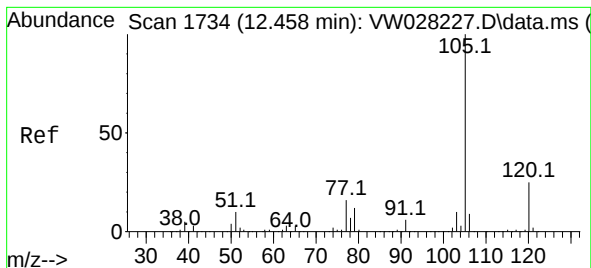
Ion Ratio Lower Upper

173 100

175 48.0 39.8 59.6

254 10.5 8.5 12.7





#60

Isopropylbenzene

Concen: 28.969 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

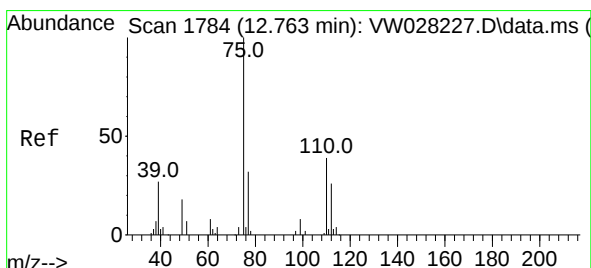
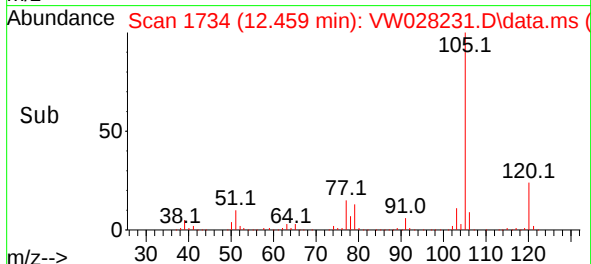
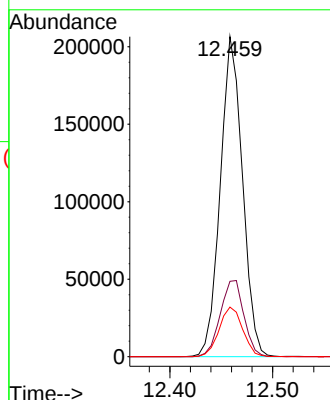
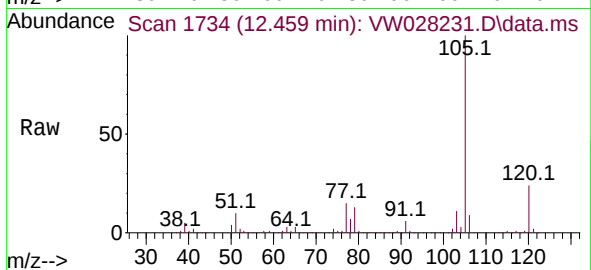
Tgt Ion:105 Resp: 309334

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.6

77 16.5 13.7 20.5



#61

1,2,3-Trichloropropane

Concen: 32.634 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

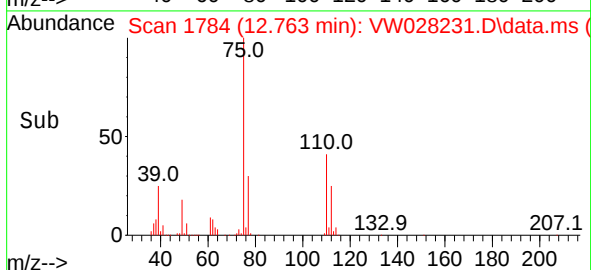
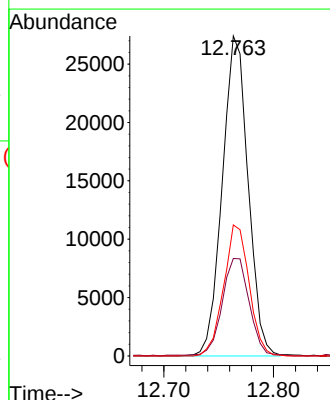
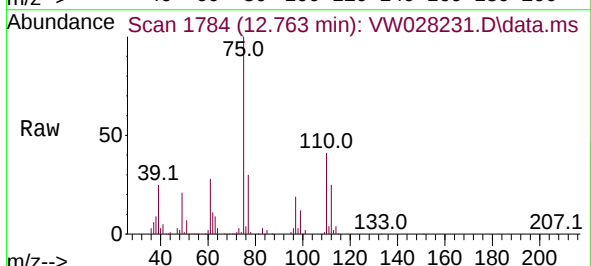
Tgt Ion: 75 Resp: 44762

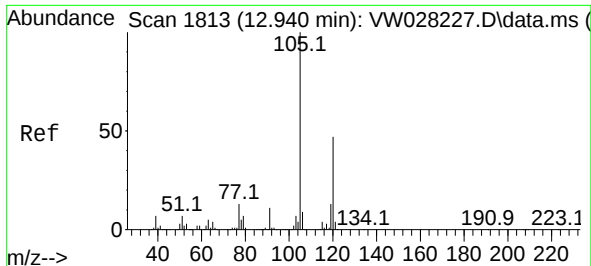
Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0

110 40.4 32.2 48.2





#62

1,3,5-Trimethylbenzene

Concen: 26.490 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

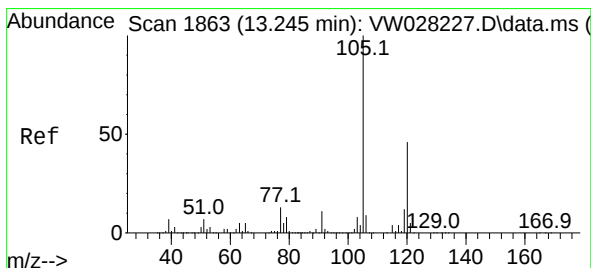
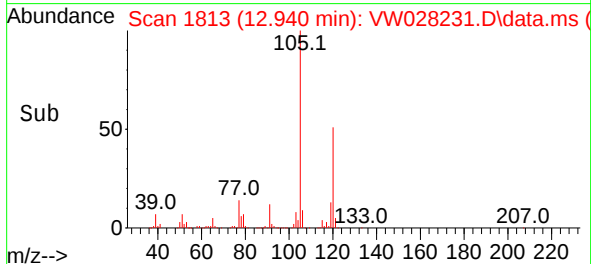
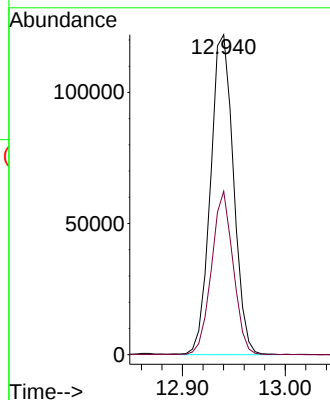
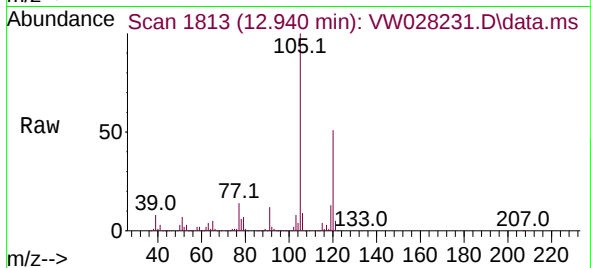
ClientSampleId :

Tgt Ion:105 Resp: 189793

Ion Ratio Lower Upper

105 100

120 48.1 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 26.394 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW028231.D

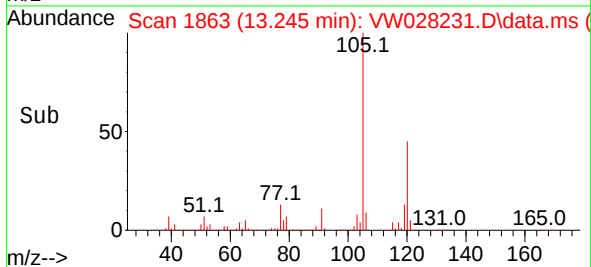
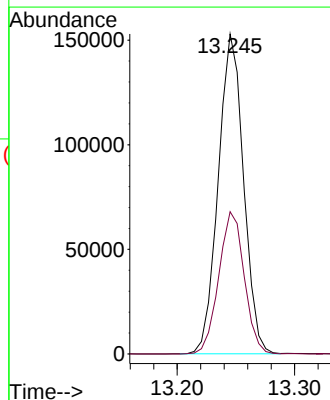
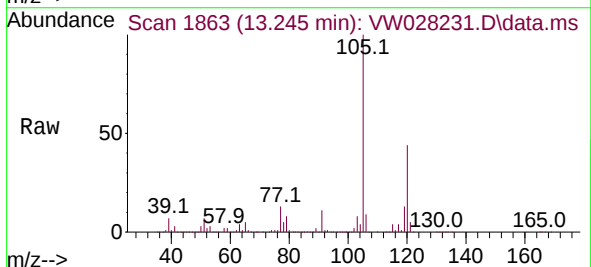
Acq: 22 Mar 2024 16:37

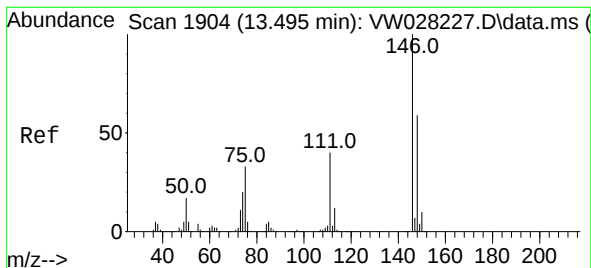
Tgt Ion:105 Resp: 228343

Ion Ratio Lower Upper

105 100

120 44.9 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 25.278 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

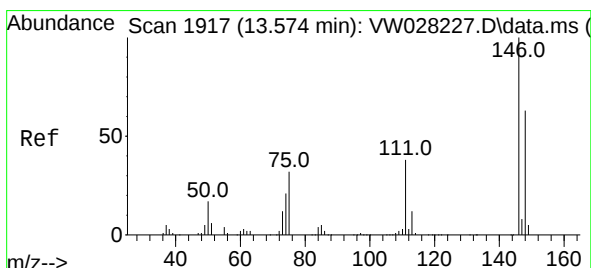
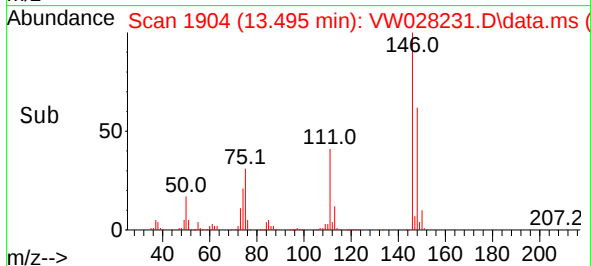
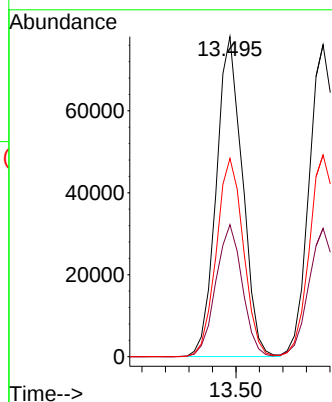
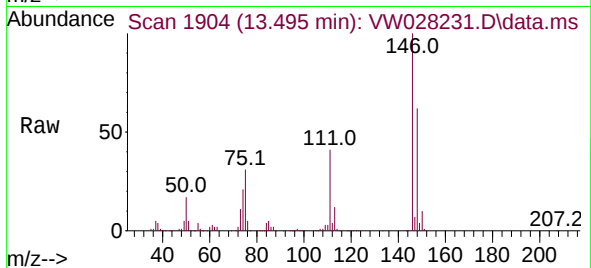
Tgt Ion:146 Resp: 120421

Ion Ratio Lower Upper

146 100

111 41.3 28.5 52.9

148 61.9 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 25.827 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

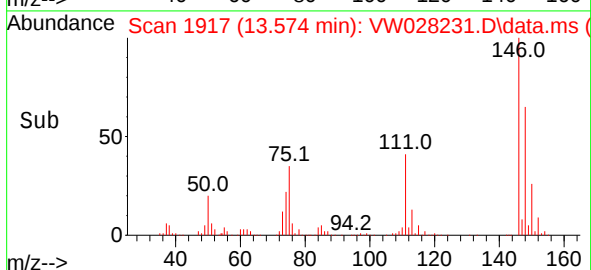
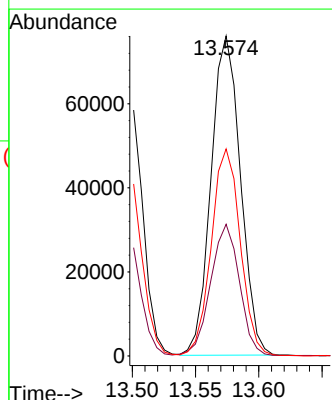
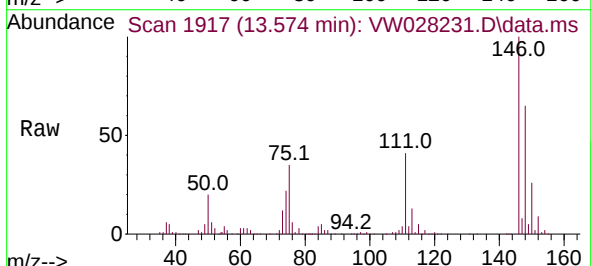
Tgt Ion:146 Resp: 123031

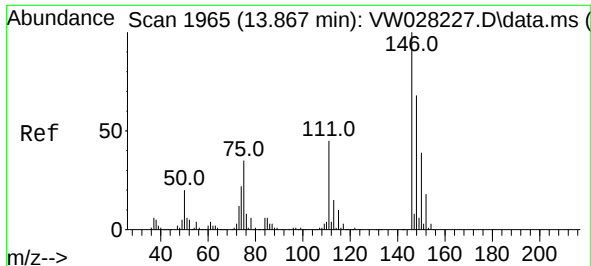
Ion Ratio Lower Upper

146 100

111 41.1 28.8 53.6

148 64.7 45.3 84.1

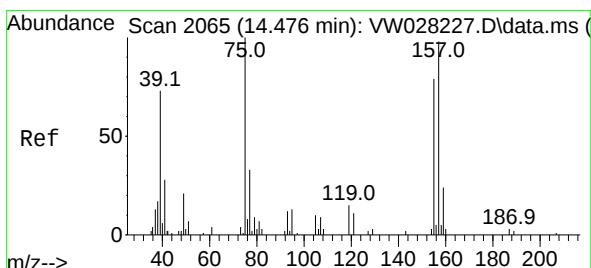
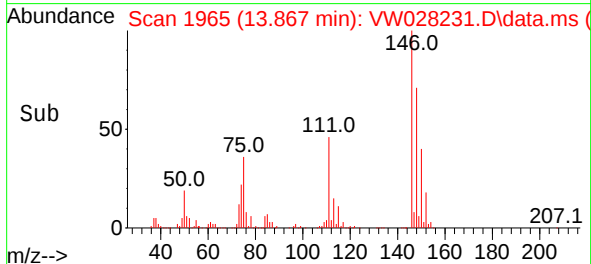
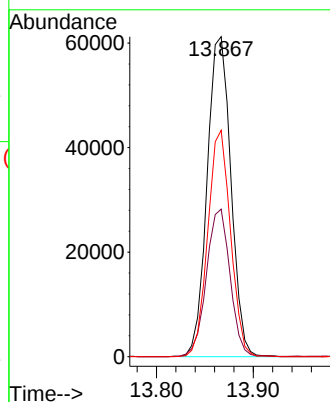
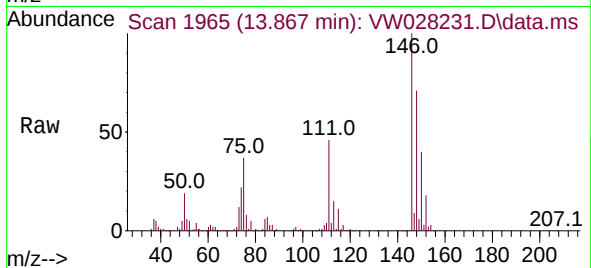




#67
1,2-Dichlorobenzene
Concen: 25.516 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

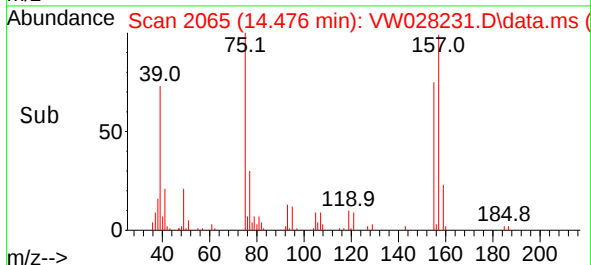
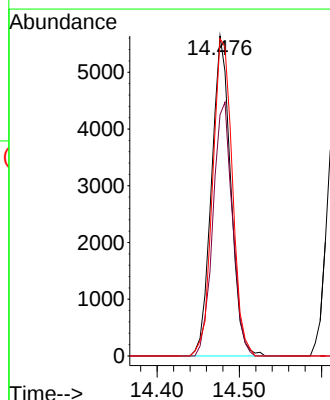
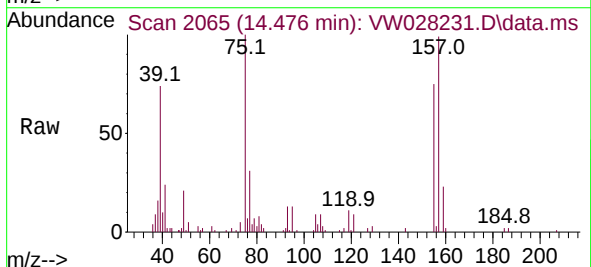
Instrument :
MSVOA_W
ClientSampleId :

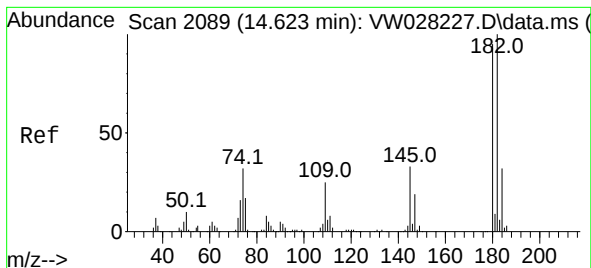
Tgt Ion:146 Resp: 104679
Ion Ratio Lower Upper
146 100
111 46.1 34.2 51.2
148 70.8 48.1 72.1



#68
1,2-Dibromo-3-chloropropane
Concen: 28.388 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW028231.D
Acq: 22 Mar 2024 16:37

Tgt Ion: 75 Resp: 9147
Ion Ratio Lower Upper
75 100
155 75.4 61.1 91.7
157 99.1 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 15.376 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 51022

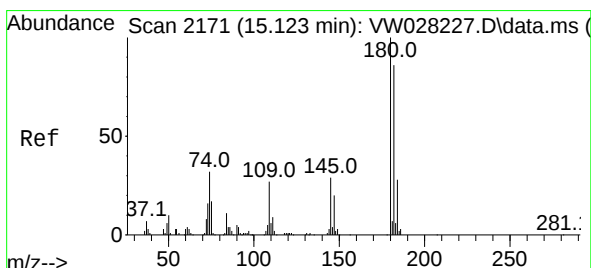
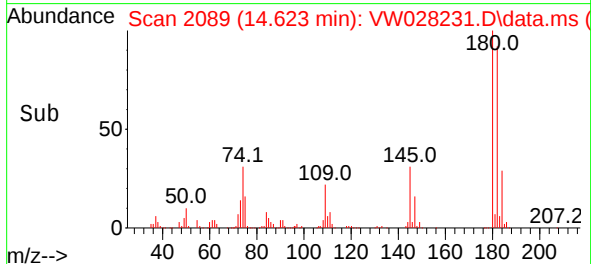
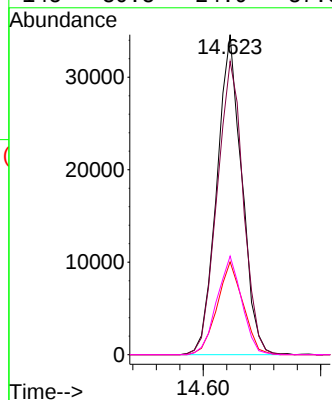
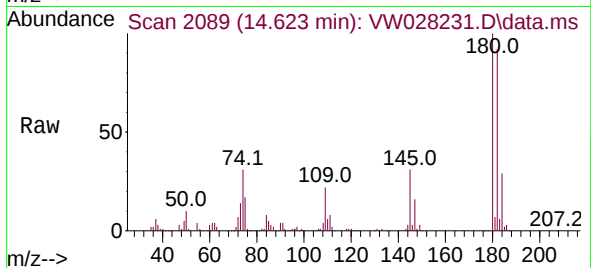
Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

184 30.0 23.5 35.3

145 30.8 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 14.243 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

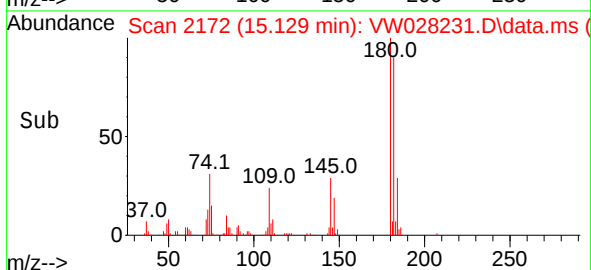
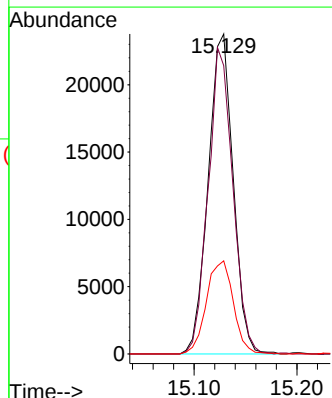
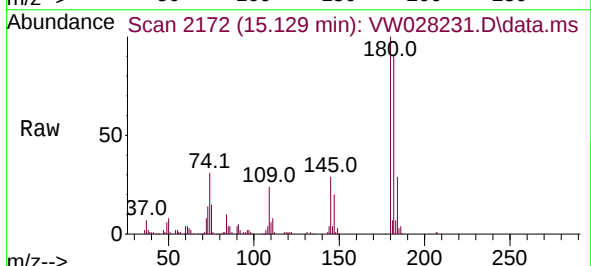
Tgt Ion:180 Resp: 40151

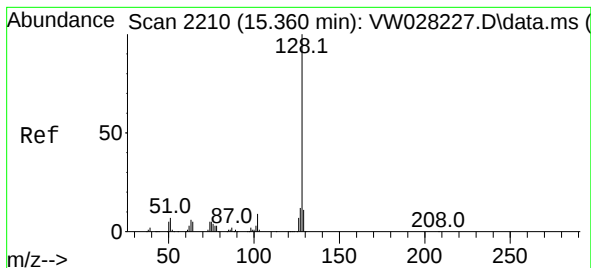
Ion Ratio Lower Upper

180 100

182 94.6 73.8 110.8

145 31.3 25.0 37.6





#71

Naphthalene

Concen: 20.745 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Instrument :

MSVOA_W

ClientSampleId :

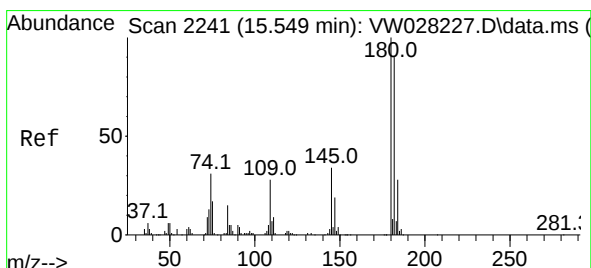
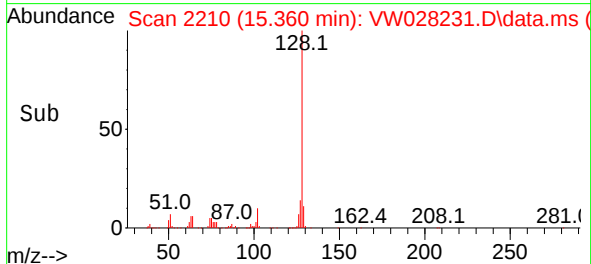
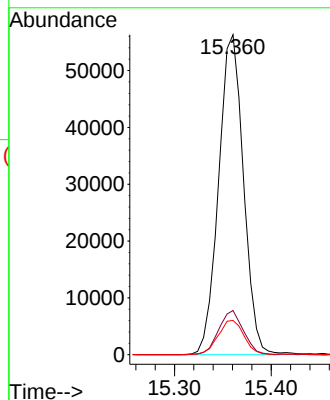
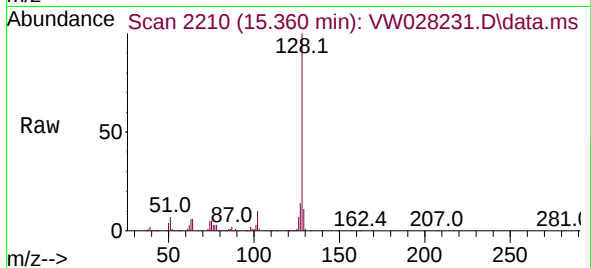
Tgt Ion:128 Resp: 100376

Ion Ratio Lower Upper

128 100

127 13.7 10.9 16.3

129 11.2 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 13.390 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW028231.D

Acq: 22 Mar 2024 16:37

Tgt Ion:180 Resp: 31117

Ion Ratio Lower Upper

180 100

182 99.4 76.0 114.0

145 33.7 27.1 40.7

