

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031224\
 Data File : VW028158.D
 Acq On : 12 Mar 2024 15:36
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 13 01:11:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Mar 13 01:09:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	264606	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	257037	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	138418	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	64584	20.447	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.800%
7) Chloroethane-d5	2.899	69	47036	19.223	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.880%
11) 1,1-Dichloroethene-d2	4.021	65	26385	20.450	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.800%
21) 2-Butanone-d5	7.069	46	26810	59.501	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.000%
24) Chloroform-d	7.648	84	130149	23.222	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.880%
26) 1,2-Dichloroethane-d4	8.301	65	64505	24.731	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.920%
32) Benzene-d6	8.270	84	250881	20.908	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.640%
36) 1,2-Dichloropropane-d6	9.270	67	67290	21.705	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.840%
41) Toluene-d8	10.319	98	239168	21.150	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	10.575	79	32007	23.559	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.240%
47) 2-Hexanone-d5	10.922	63	25447	58.274	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.540%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	65569	26.798	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.200%
66) 1,2-Dichlorobenzene-d4	13.848	152	86984	21.130	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.520%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.015	85	59446	21.990	ug/L 95
3) Chloromethane	2.223	50	56979	22.168	ug/L 97
5) Vinyl chloride	2.375	62	82271	22.968	ug/L 98
6) Bromomethane	2.789	94	56236	19.679	ug/L 98
8) Chloroethane	2.936	64	45153	20.072	ug/L 99
9) Trichlorofluoromethane	3.265	101	72233	21.620	ug/L 98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	76404	21.997	ug/L # 86
12) 1,1-Dichloroethene	4.039	96	71447	21.721	ug/L 89
13) Acetone	4.119	43	35709	56.698	ug/L 99
14) Carbon disulfide	4.393	76	207942	20.753	ug/L 98
15) Methyl Acetate	4.667	43	24085	27.056	ug/L 96
16) Methylene chloride	4.917	84	80539	22.127	ug/L 92
17) trans-1,2-Dichloroethene	5.429	96	77010	21.911	ug/L 99
18) Methyl tert-butyl Ether	5.423	73	104011	24.164	ug/L 99
19) 1,1-Dichloroethane	6.216	63	125151	22.519	ug/L 98
20) cis-1,2-Dichloroethene	7.167	96	83968	22.701	ug/L 97
22) 2-Butanone	7.161	43	37900	53.882	ug/L 99
23) Bromochloromethane	7.514	128	40525	23.337	ug/L 95
25) Chloroform	7.673	83	142353	22.933	ug/L 98

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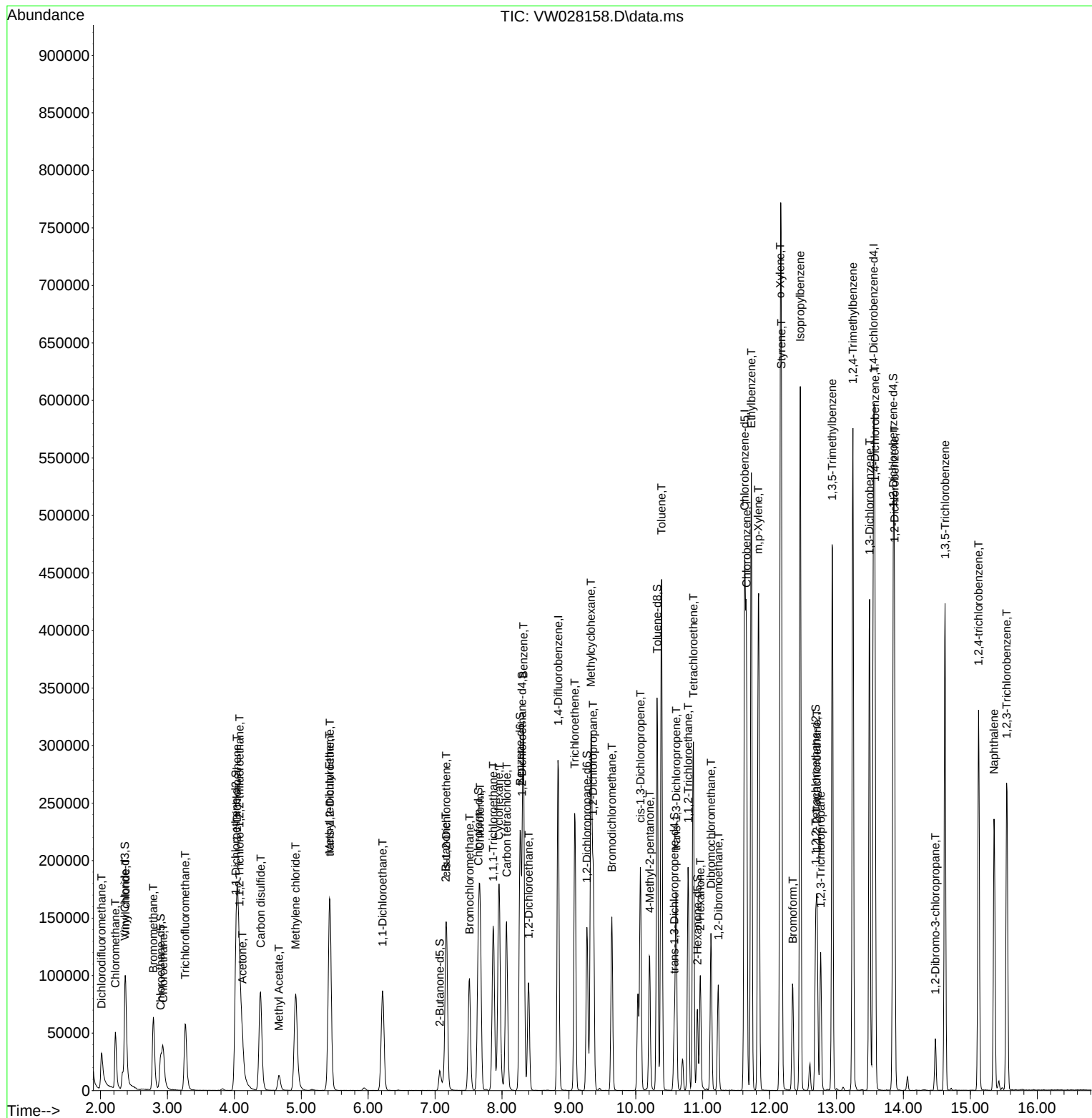
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	90013	24.387	ug/L	100
29) Cyclohexane	7.953	56	102351	20.707	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	122653	21.372	ug/L	98
31) Carbon tetrachloride	8.069	117	117992	22.017	ug/L	98
33) Benzene	8.319	78	298298	21.482	ug/L	100
34) Trichloroethene	9.087	95	86765	21.325	ug/L	95
35) Methylcyclohexane	9.331	83	141367	21.468	ug/L	98
37) 1,2-Dichloropropane	9.361	63	70440	21.783	ug/L	100
38) Bromodichloromethane	9.642	83	103511	22.161	ug/L	95
39) cis-1,3-Dichloropropene	10.069	75	118039	22.197	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	68733	53.514	ug/L	99
42) Toluene	10.386	91	343702	21.905	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	102190	23.655	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	63521	23.422	ug/L	98
46) Tetrachloroethene	10.861	164	73665	21.603	ug/L	93
48) 2-Hexanone	10.965	43	53875	51.876	ug/L	98
49) Dibromochloromethane	11.123	129	74044	23.486	ug/L	87
50) 1,2-Dibromoethane	11.233	107	60744	23.255	ug/L	92
51) Chlorobenzene	11.654	112	224981	21.489	ug/L	93
52) Ethylbenzene	11.727	91	388145	21.637	ug/L	94
53) m,p-Xylene	11.831	106	148618	21.353	ug/L	98
54) o-Xylene	12.160	106	140204	21.285	ug/L	85
55) Styrene	12.178	104	248248	22.098	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	71514	24.455	ug/L	97
59) Bromoform	12.349	173	43838	22.340	ug/L	98
60) Isopropylbenzene	12.458	105	406154	21.388	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	50666	23.812	ug/L	98
62) 1,3,5-Trimethylbenzene	12.934	105	262347	21.072	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	313687	21.128	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	188665	21.497	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	189520	21.390	ug/L	94
67) 1,2-Dichlorobenzene	13.867	146	163620	20.697	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.476	75	11072	24.775	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.623	180	131950	20.374	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	105490	20.282	ug/L	96
71) Naphthalene	15.354	128	210822	24.783	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	95831	22.033	ug/L	98

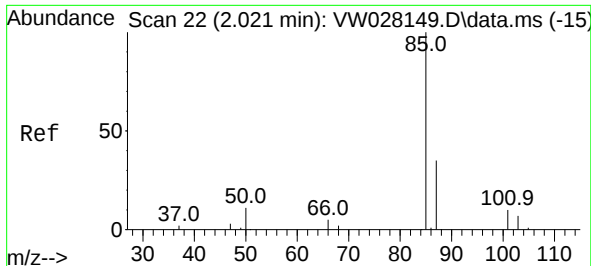
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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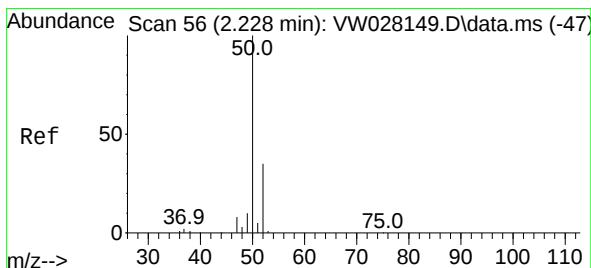
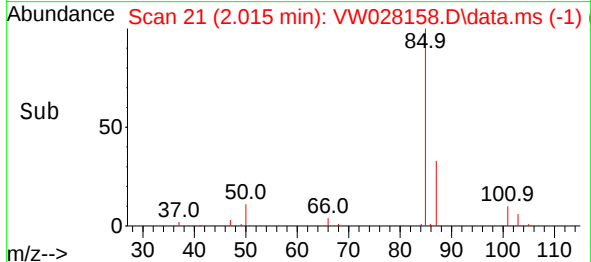
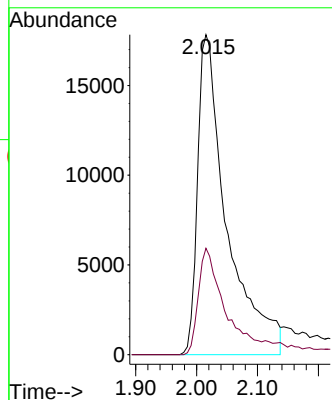
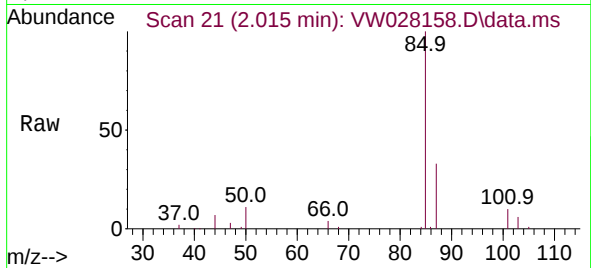




#2
Dichlorodifluoromethane
Concen: 21.990 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

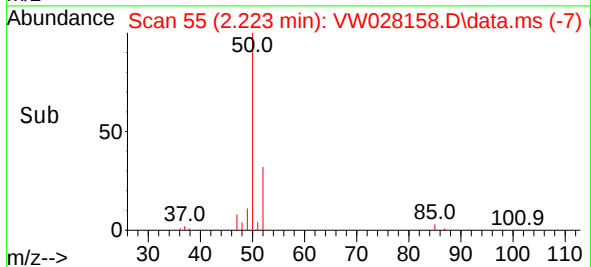
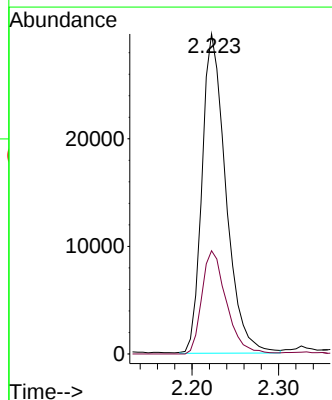
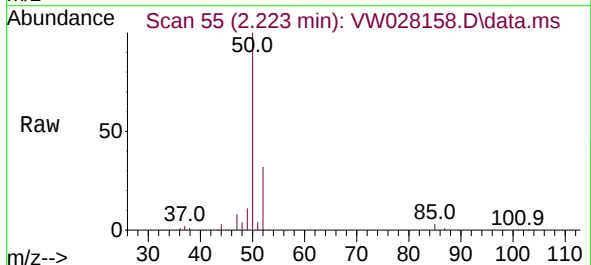
Instrument :
MSVOA_W
ClientSampleId :

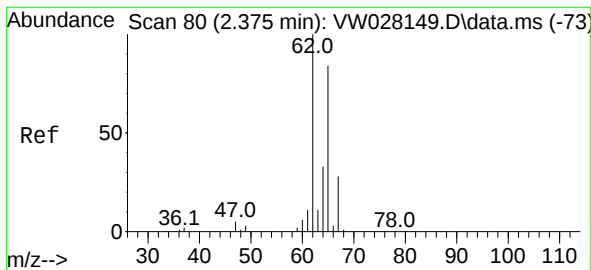
Tgt Ion: 85 Resp: 59446
Ion Ratio Lower Upper
85 100
87 30.1 26.6 39.8



#3
Chloromethane
Concen: 22.168 ug/L
RT: 2.223 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

Tgt Ion: 50 Resp: 56979
Ion Ratio Lower Upper
50 100
52 32.3 23.7 43.9





#5

Vinyl chloride

Concen: 22.968 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

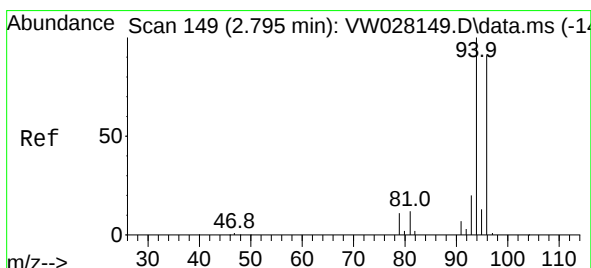
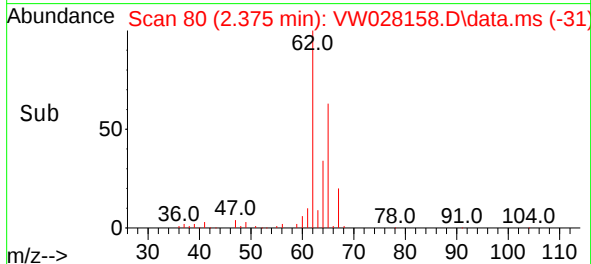
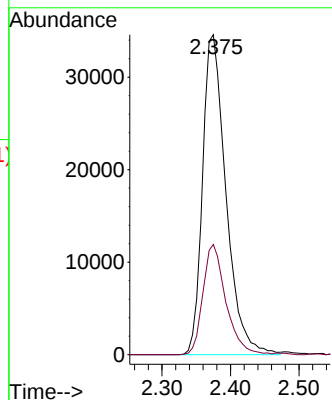
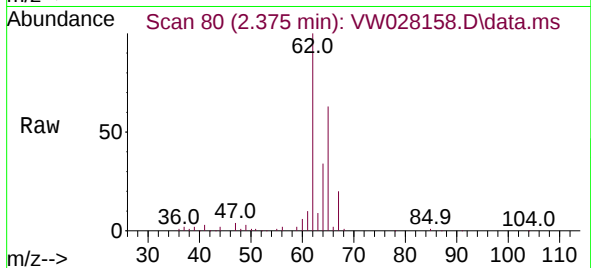
ClientSampleId :

Tgt Ion: 62 Resp: 82271

Ion Ratio Lower Upper

62 100

64 34.5 23.2 43.0



#6

Bromomethane

Concen: 19.679 ug/L

RT: 2.789 min Scan# 148

Delta R.T. -0.006 min

Lab File: VW028158.D

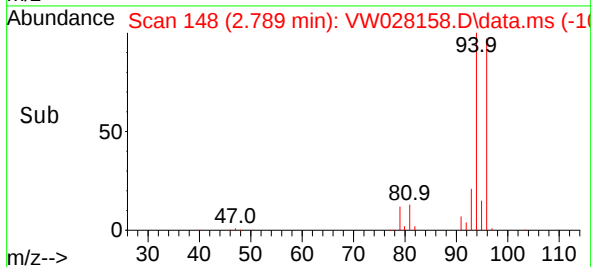
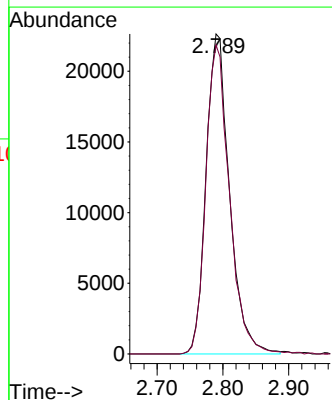
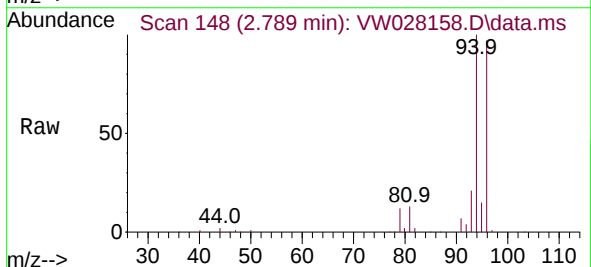
Acq: 12 Mar 2024 15:36

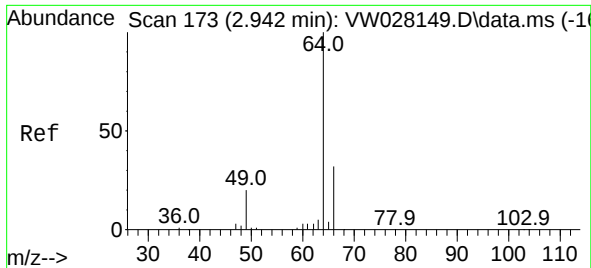
Tgt Ion: 94 Resp: 56236

Ion Ratio Lower Upper

94 100

96 96.5 69.1 128.3

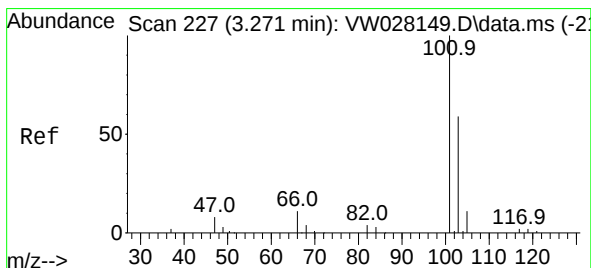
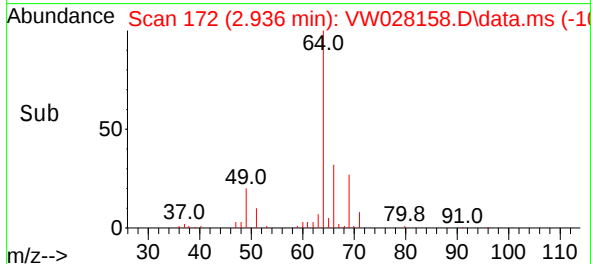
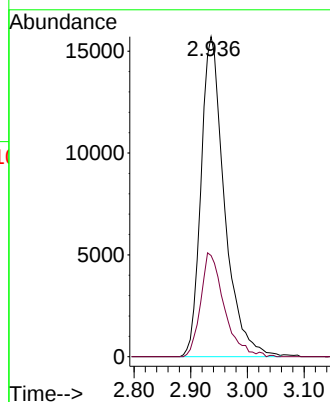
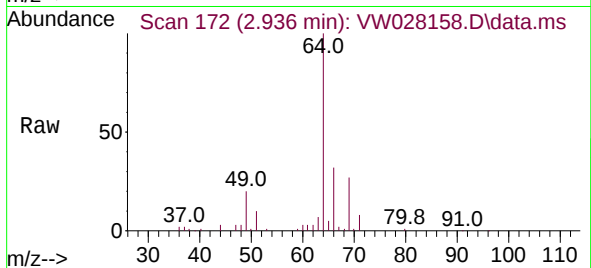




#8
Chloroethane
Concen: 20.072 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

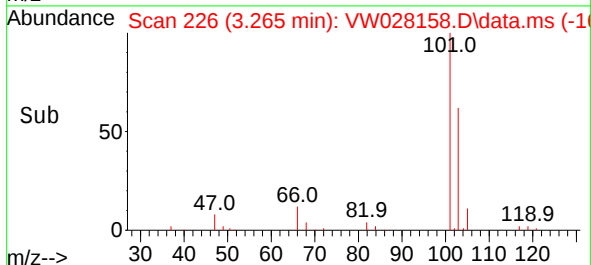
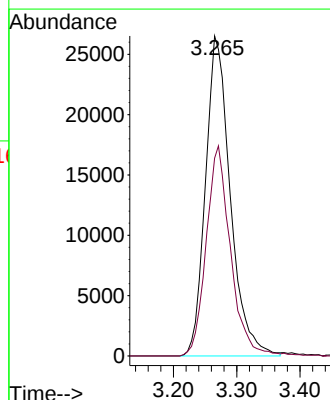
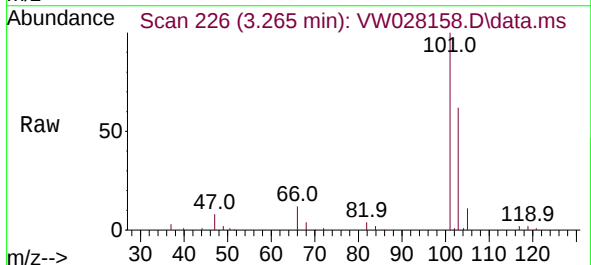
Instrument :
MSVOA_W
ClientSampleId :

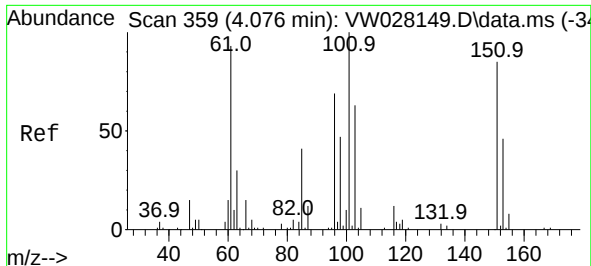
Tgt Ion: 64 Resp: 45153
Ion Ratio Lower Upper
64 100
66 31.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 21.620 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

Tgt Ion:101 Resp: 72233
Ion Ratio Lower Upper
101 100
103 64.1 52.6 78.8





#10

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

Concen: 21.997 ug/L

RT: 4.076 min Scan# 359

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

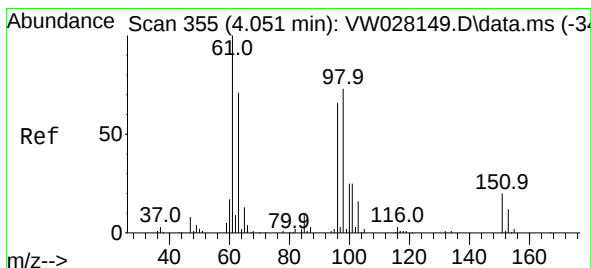
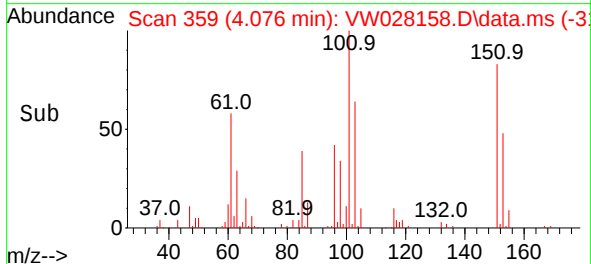
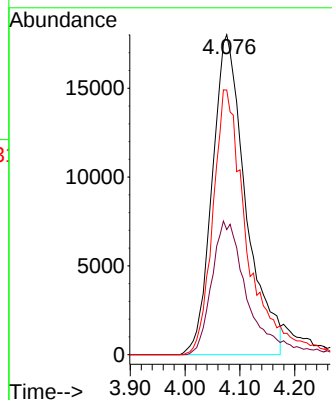
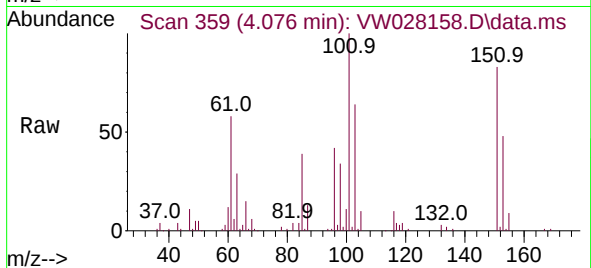
Tgt Ion:101 Resp: 76404

Ion Ratio Lower Upper

101 100

85 43.3 33.1 49.7

151 83.7 53.7 80.5#



#12

1,1-Dichloroethene

Concen: 21.721 ug/L

RT: 4.039 min Scan# 353

Delta R.T. -0.012 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

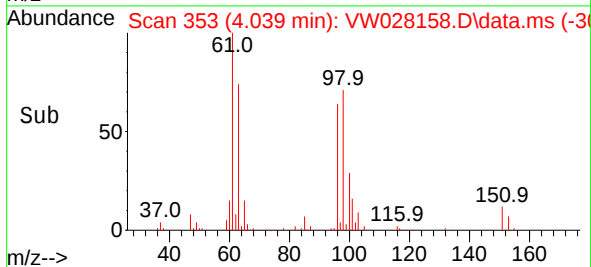
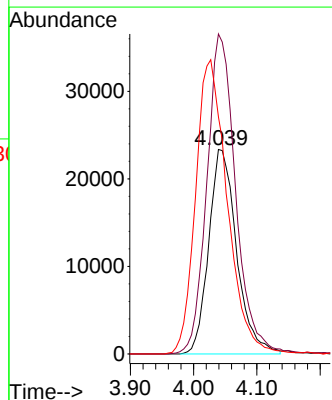
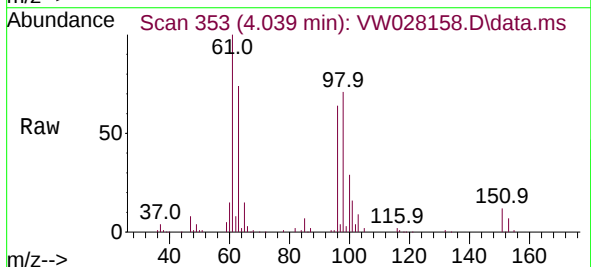
Tgt Ion: 96 Resp: 71447

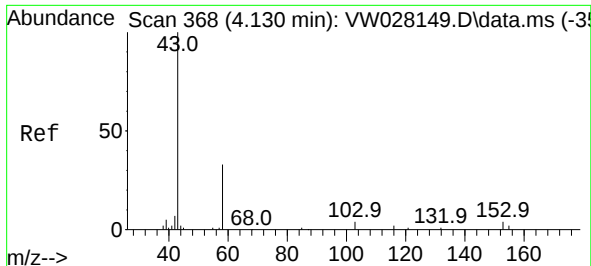
Ion Ratio Lower Upper

96 100

61 156.5 100.5 186.7

63 116.0 72.9 135.5

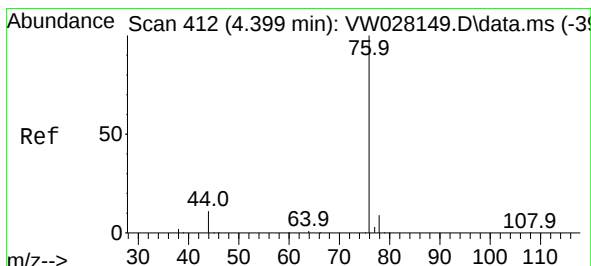
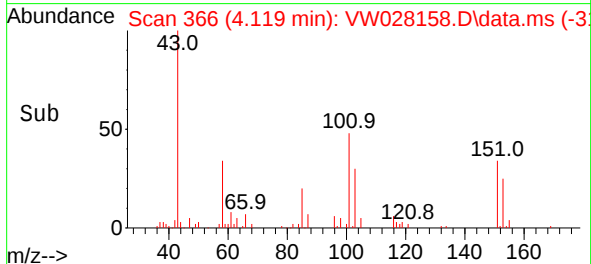
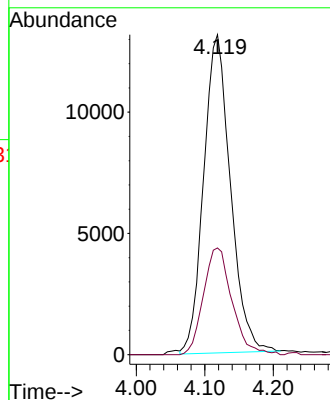
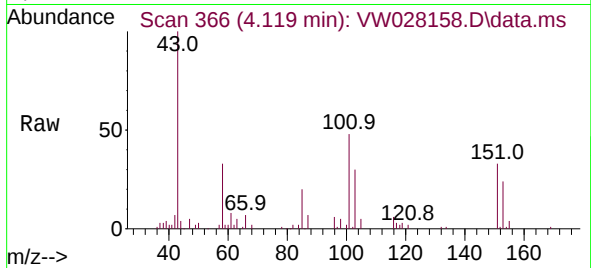




#13
Acetone
Concen: 56.698 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.012 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

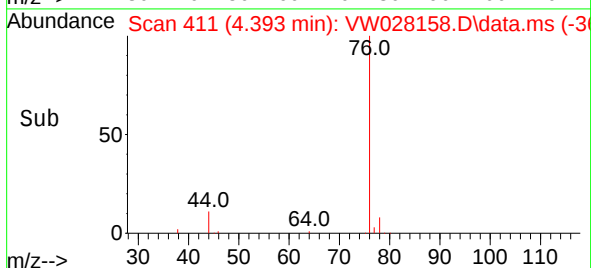
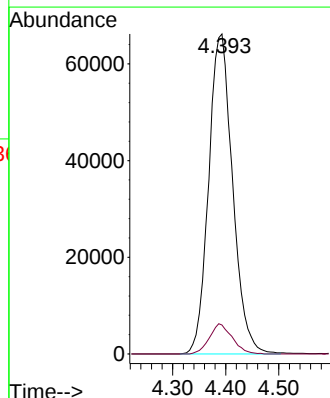
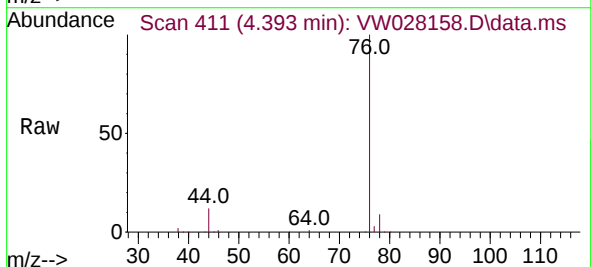
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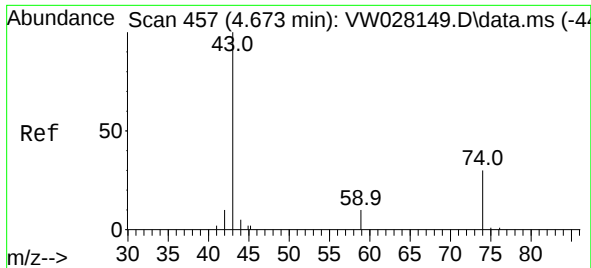
Tgt Ion: 43 Resp: 35709
Ion Ratio Lower Upper
43 100
58 35.5 0.0 70.0



#14
Carbon disulfide
Concen: 20.753 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 207942
Ion Ratio Lower Upper
76 100
78 9.1 7.9 11.9

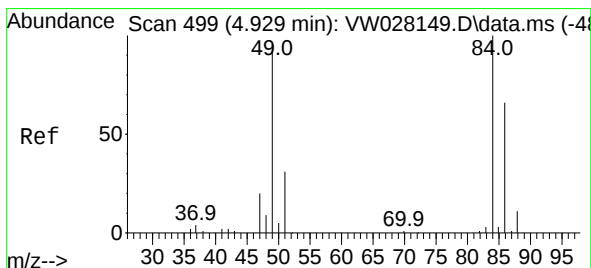
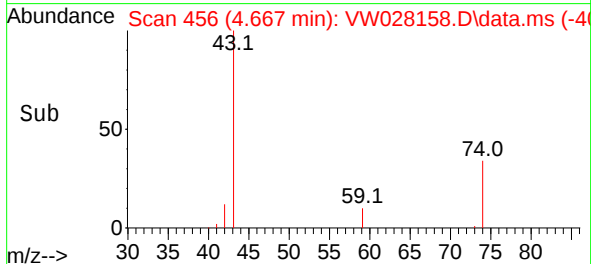
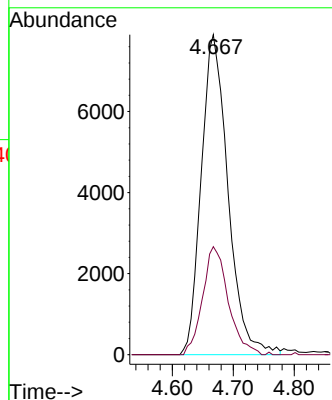
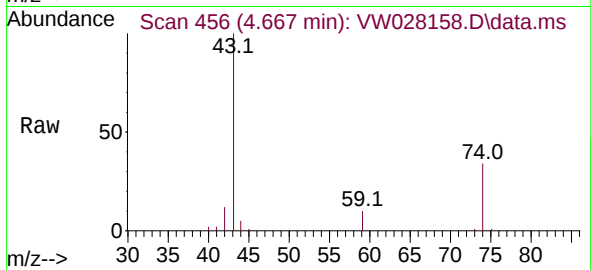




#15
Methyl Acetate
Concen: 27.056 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

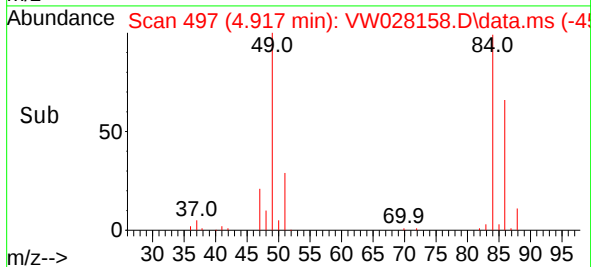
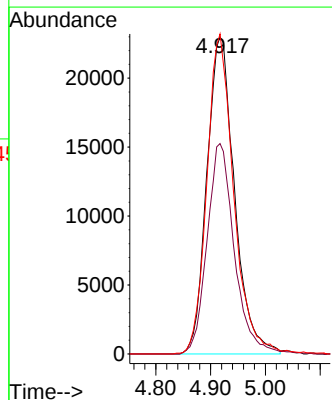
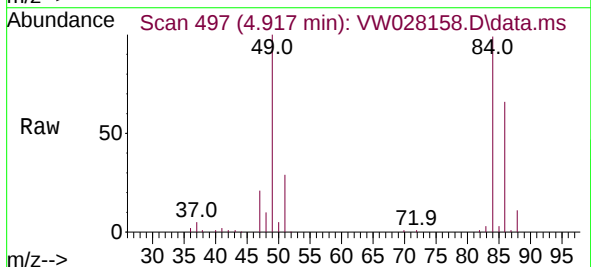
Instrument :
MSVOA_W
ClientSampleId :

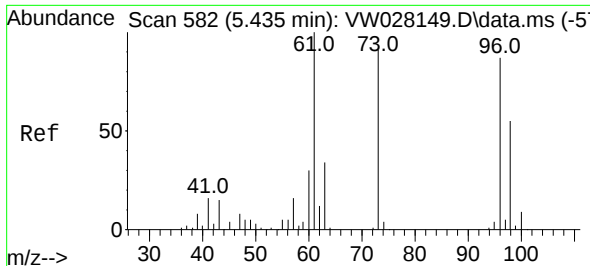
Tgt Ion: 43 Resp: 24085
Ion Ratio Lower Upper
43 100
74 32.4 24.3 36.5



#16
Methylene chloride
Concen: 22.127 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.012 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

Tgt Ion: 84 Resp: 80539
Ion Ratio Lower Upper
84 100
86 66.4 41.2 76.6
49 100.9 66.5 123.5

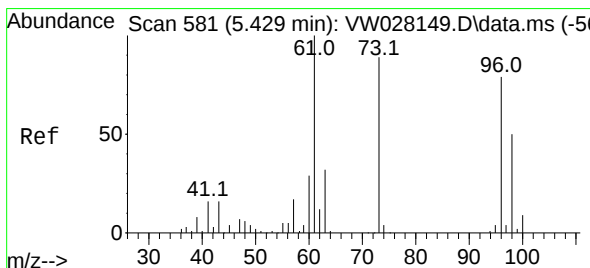
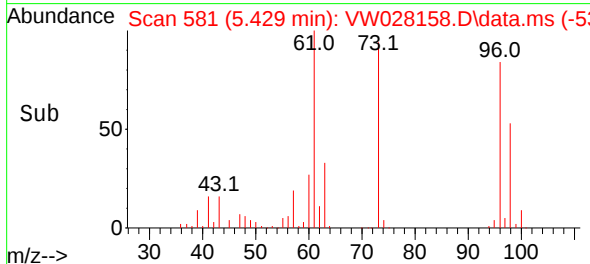
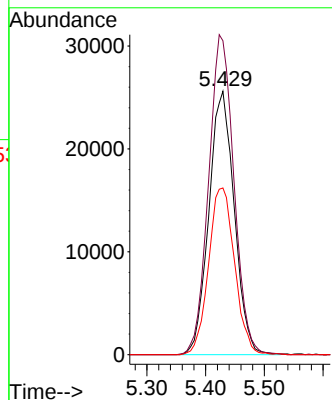
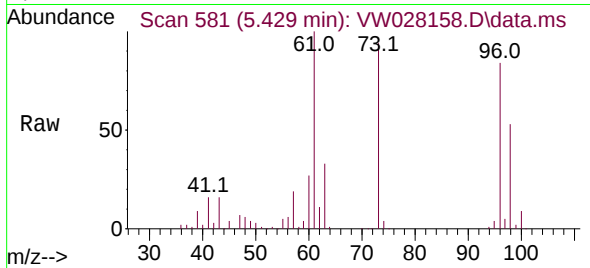




#17
trans-1,2-Dichloroethene
Concen: 21.911 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

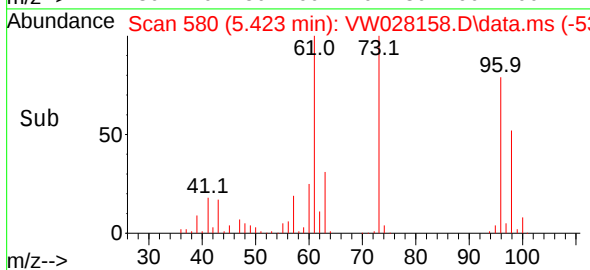
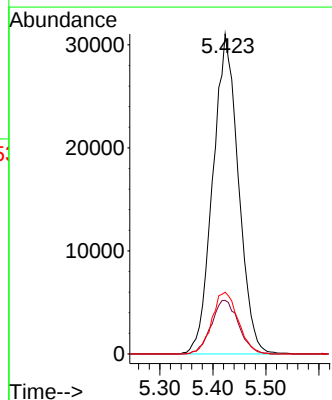
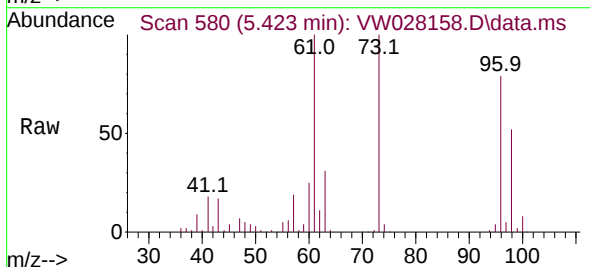
Instrument :
MSVOA_W
ClientSampleId :

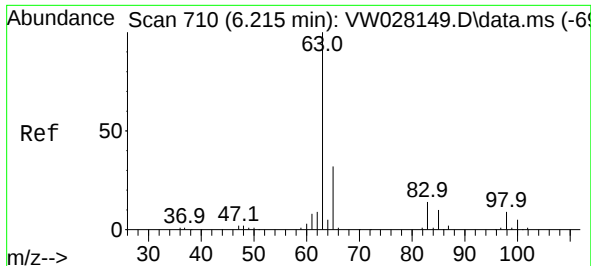
Tgt Ion: 96 Resp: 77010
Ion Ratio Lower Upper
96 100
61 119.2 82.6 153.4
98 63.3 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 24.164 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

Tgt Ion: 73 Resp: 104011
Ion Ratio Lower Upper
73 100
43 17.9 13.3 19.9
57 19.8 15.9 23.9





#19

1,1-Dichloroethane

Concen: 22.519 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

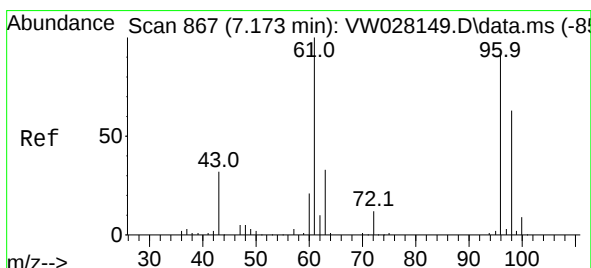
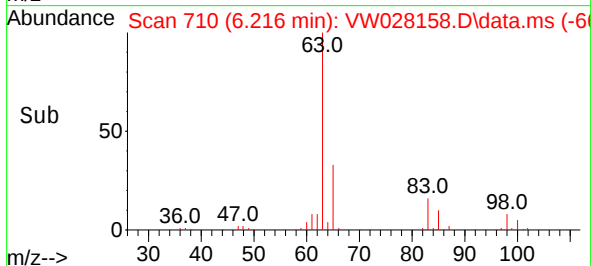
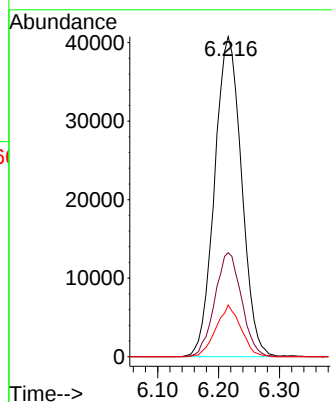
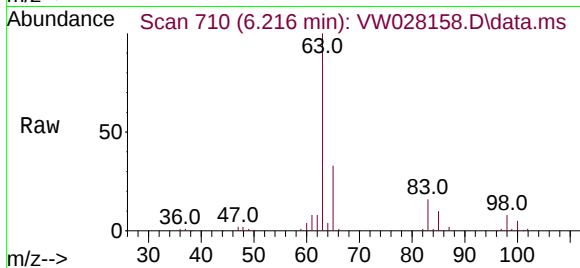
Tgt Ion: 63 Resp: 125151

Ion Ratio Lower Upper

63 100

65 32.5 23.2 43.0

83 16.1 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 22.701 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

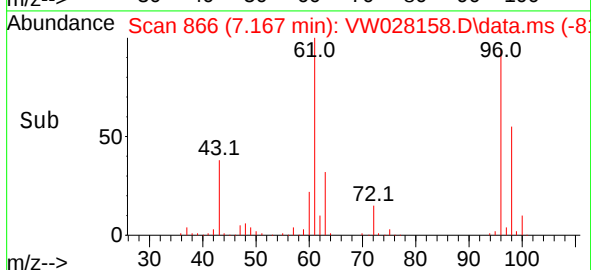
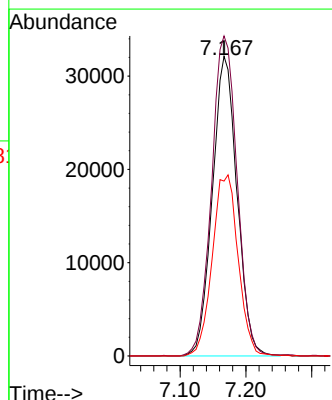
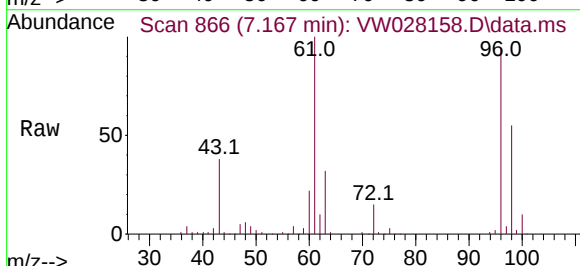
Tgt Ion: 96 Resp: 83968

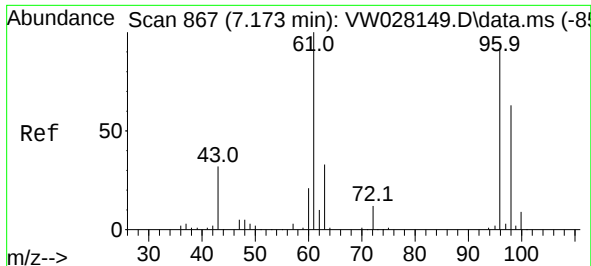
Ion Ratio Lower Upper

96 100

61 106.8 75.5 140.1

98 58.4 43.8 81.4





#22

2-Butanone

Concen: 53.882 ug/L

RT: 7.161 min Scan# 865

Delta R.T. -0.012 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

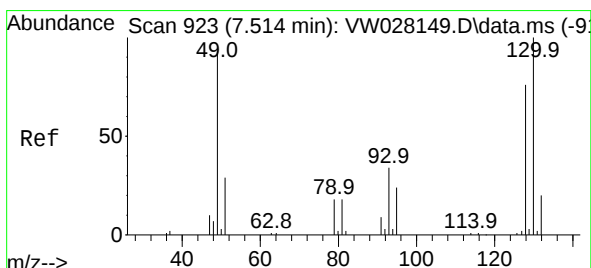
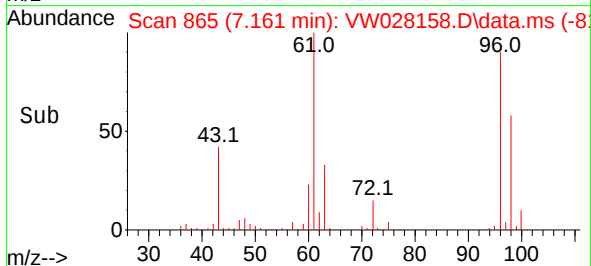
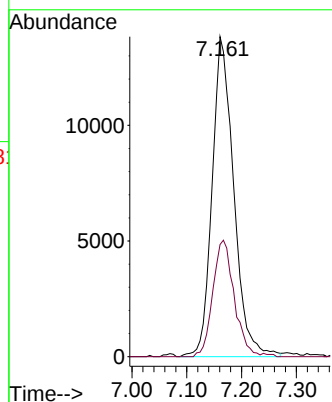
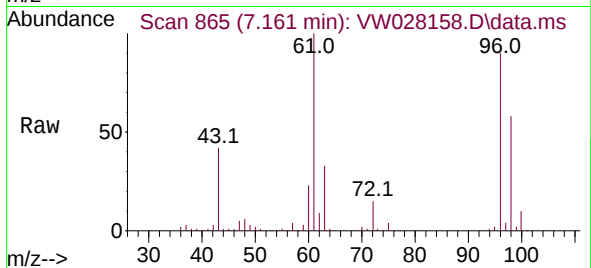
ClientSampleId :

Tgt Ion: 43 Resp: 37900

Ion Ratio Lower Upper

43 100

72 35.9 18.4 55.0



#23

Bromochloromethane

Concen: 23.337 ug/L

RT: 7.514 min Scan# 923

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Tgt Ion: 128 Resp: 40525

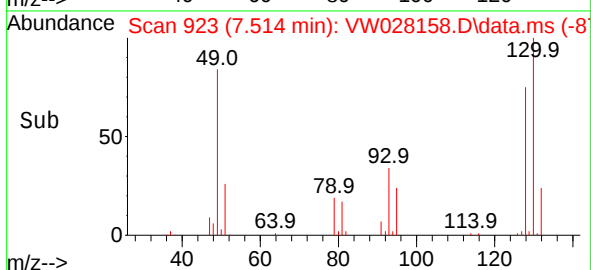
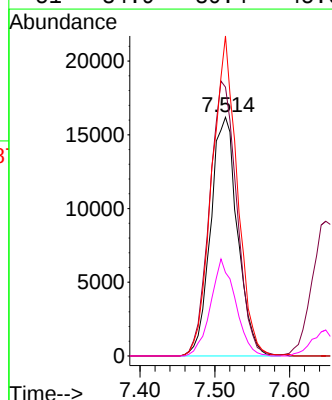
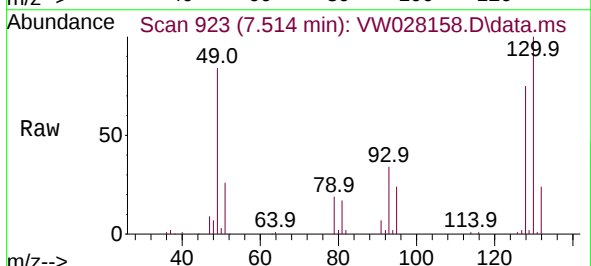
Ion Ratio Lower Upper

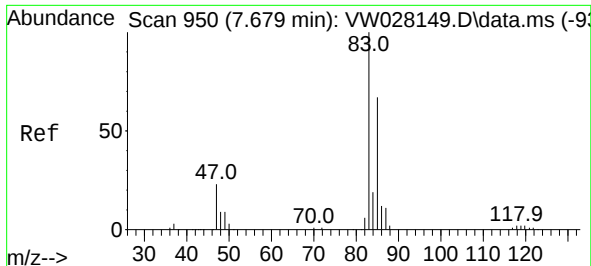
128 100

49 112.6 84.4 156.8

130 134.0 91.1 169.3

51 34.9 30.4 45.6





#25

Chloroform

Concen: 22.933 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

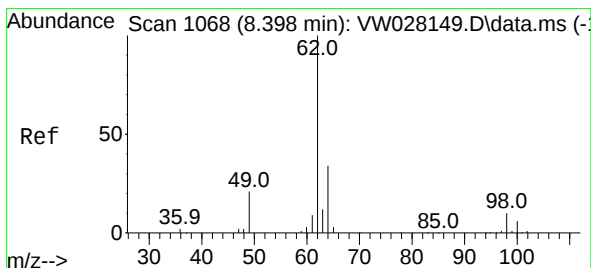
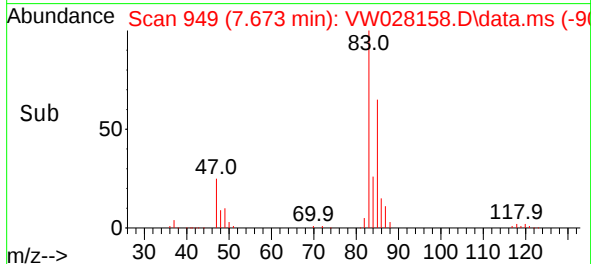
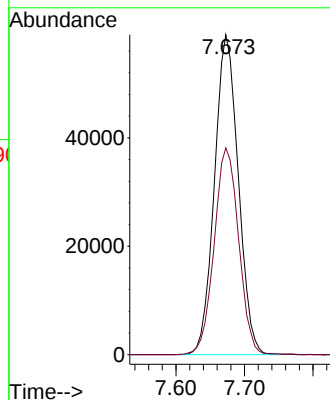
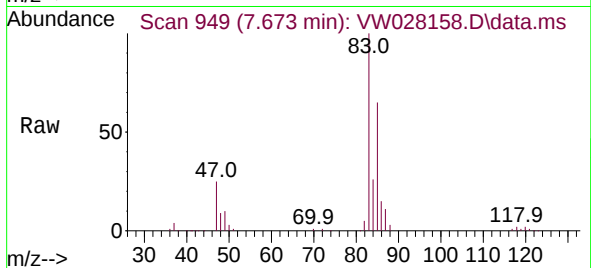
ClientSampleId :

Tgt Ion: 83 Resp: 142353

Ion Ratio Lower Upper

83 100

85 64.7 46.5 86.5



#27

1,2-Dichloroethane

Concen: 24.387 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028158.D

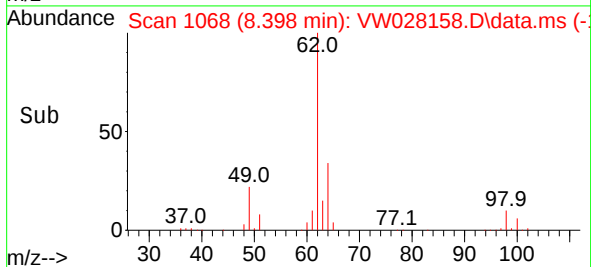
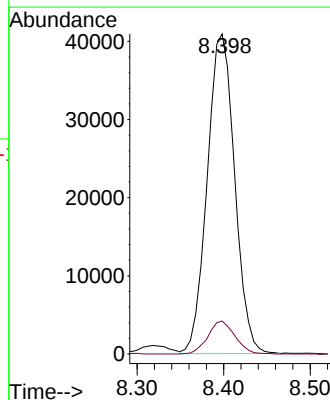
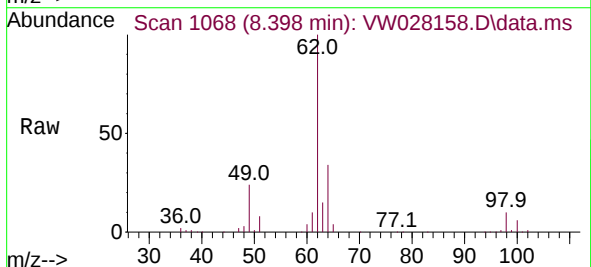
Acq: 12 Mar 2024 15:36

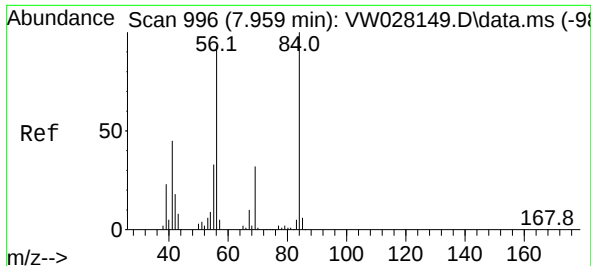
Tgt Ion: 62 Resp: 90013

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.4





#29

Cyclohexane

Concen: 20.707 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

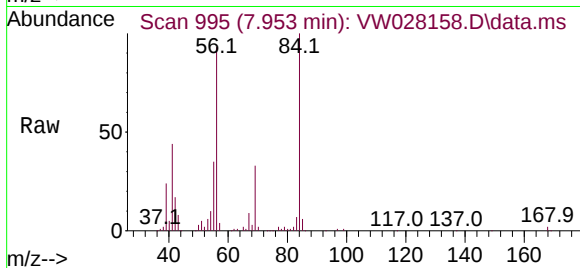
Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :



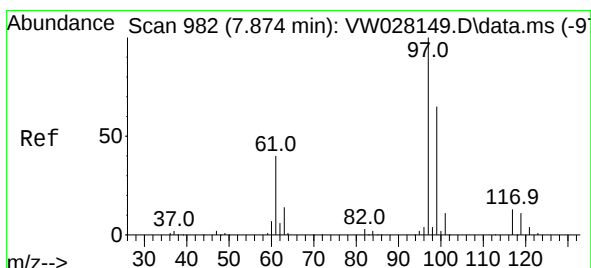
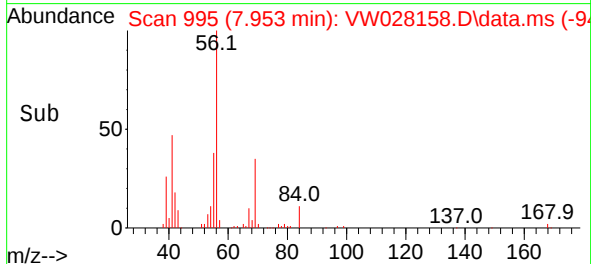
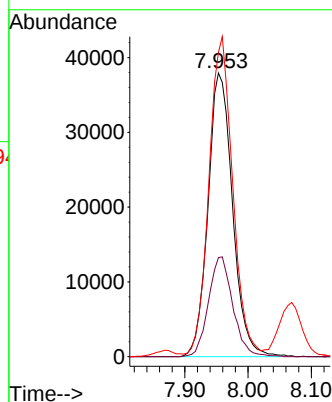
Tgt Ion: 56 Resp: 102351

Ion Ratio Lower Upper

56 100

69 34.8 27.6 41.4

84 109.3 86.6 129.8



#30

1,1,1-Trichloroethane

Concen: 21.372 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

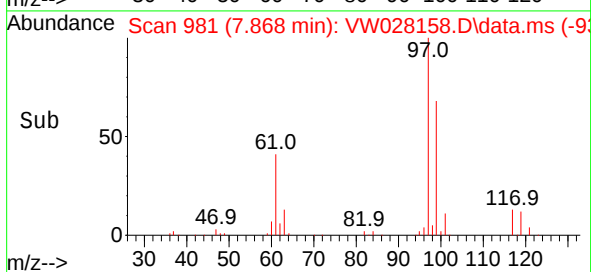
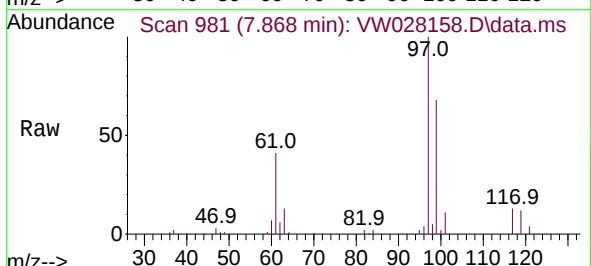
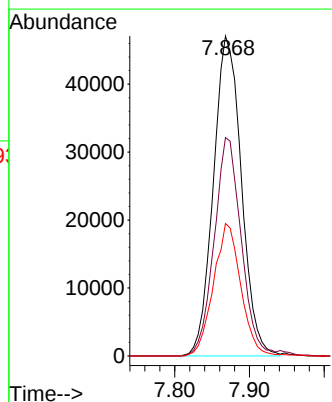
Tgt Ion: 97 Resp: 122653

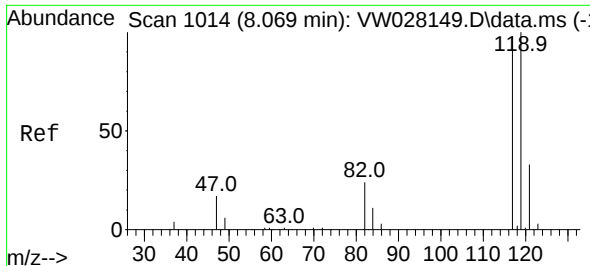
Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

61 40.4 31.8 47.6

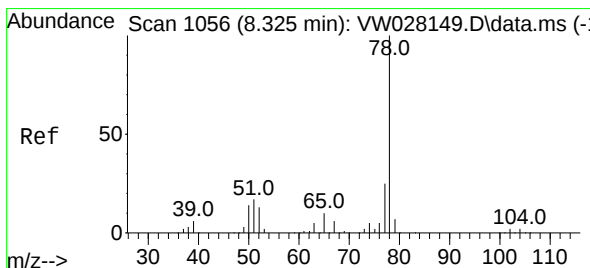
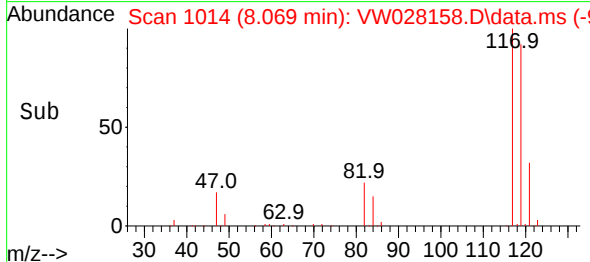
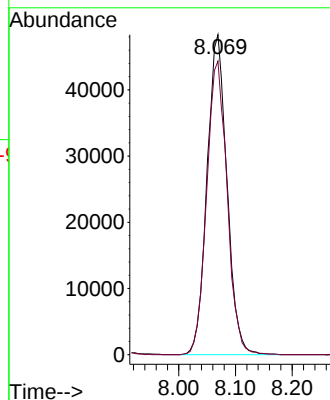
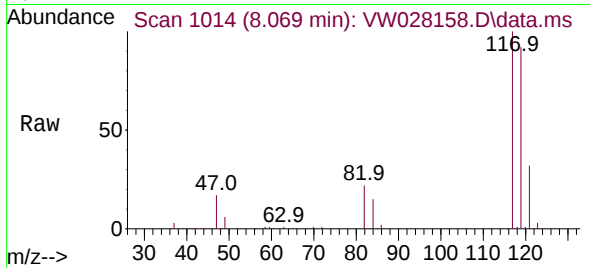




#31
Carbon tetrachloride
Concen: 22.017 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

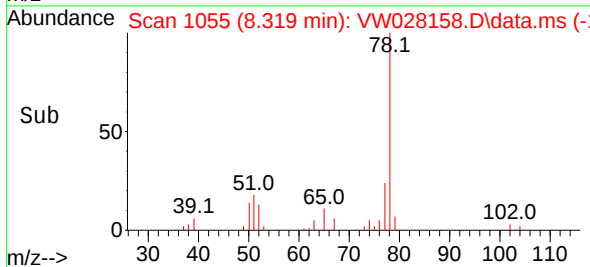
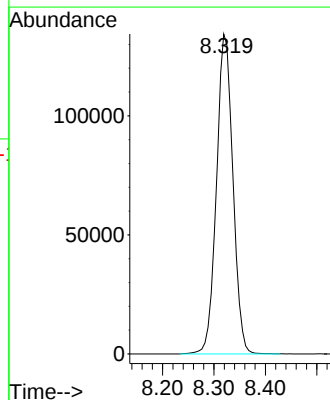
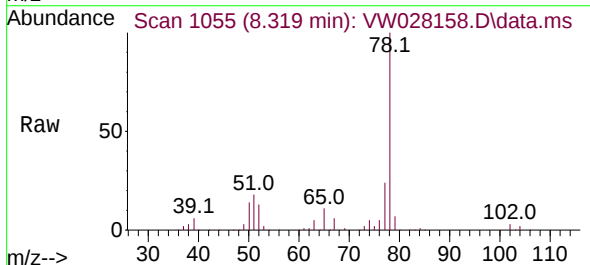
Instrument :
MSVOA_W
ClientSampleId :

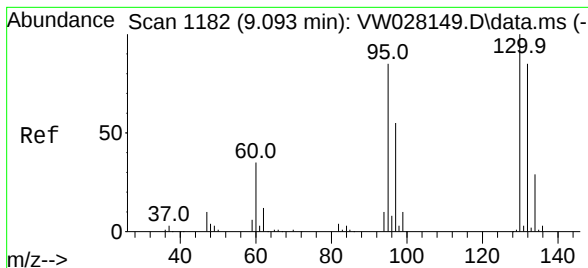
Tgt Ion:117 Resp: 117992
Ion Ratio Lower Upper
117 100
119 94.2 76.8 115.2



#33
Benzene
Concen: 21.482 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

Tgt Ion: 78 Resp: 298298





#34

Trichloroethene

Concen: 21.325 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 86765

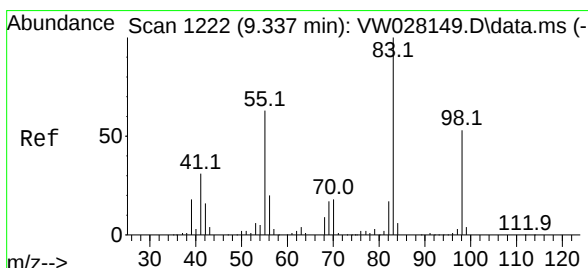
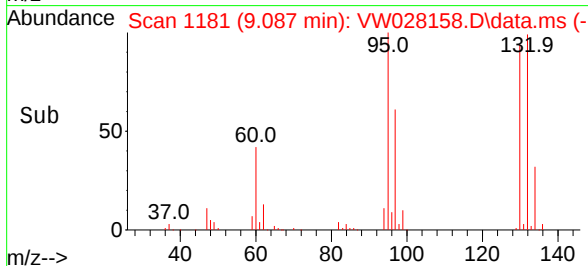
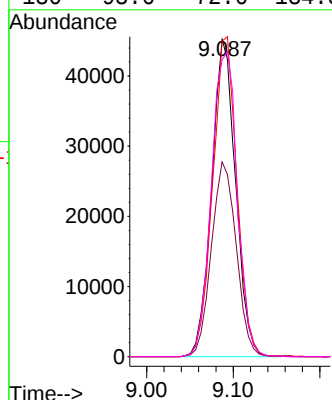
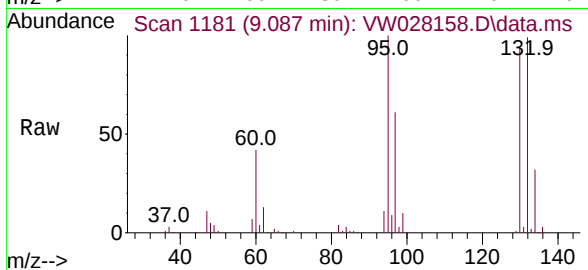
Ion Ratio Lower Upper

95 100

97 61.4 44.5 82.7

132 99.5 68.3 126.9

130 93.6 72.6 134.8



#35

Methylcyclohexane

Concen: 21.468 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

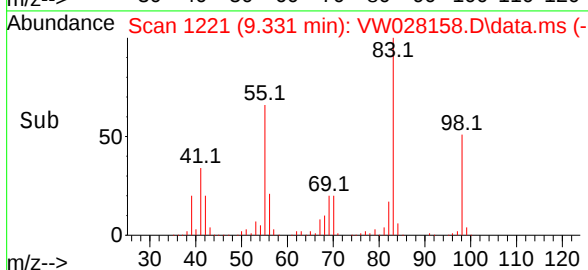
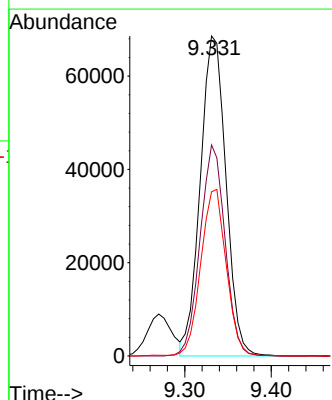
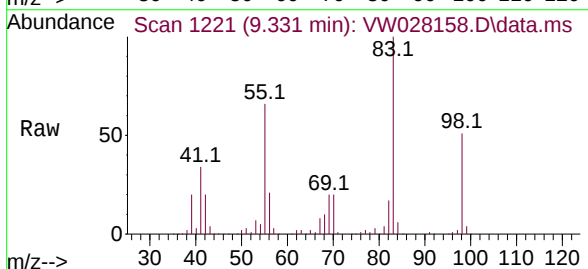
Tgt Ion: 83 Resp: 141367

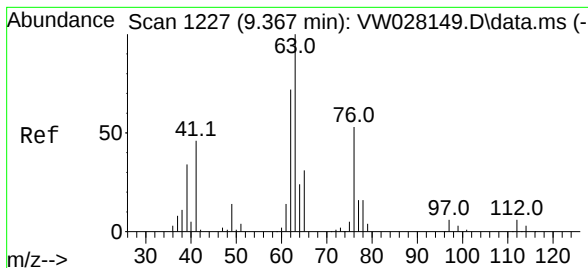
Ion Ratio Lower Upper

83 100

55 64.0 52.1 78.1

98 51.6 42.2 63.4





#37

1,2-Dichloropropane

Concen: 21.783 ug/L

RT: 9.361 min Scan# 1226

Delta R.T. -0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

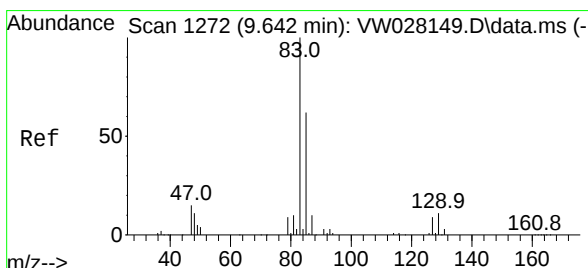
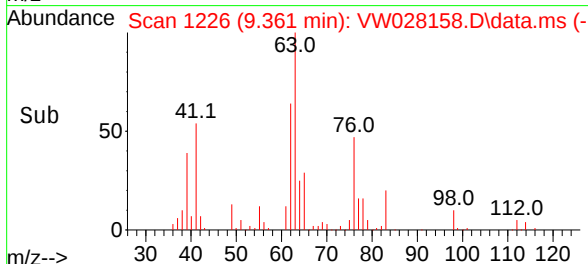
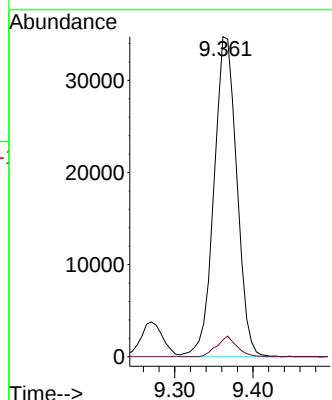
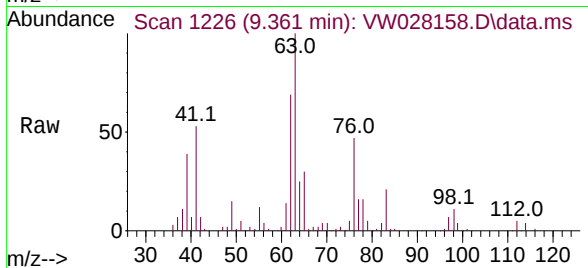
ClientSampleId :

Tgt Ion: 63 Resp: 70440

Ion Ratio Lower Upper

63 100

112 5.6 4.4 6.6



#38

Bromodichloromethane

Concen: 22.161 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

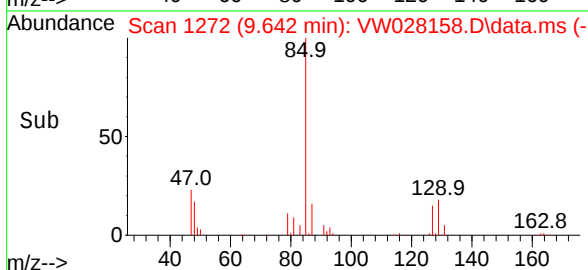
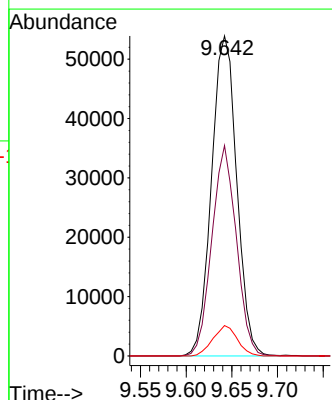
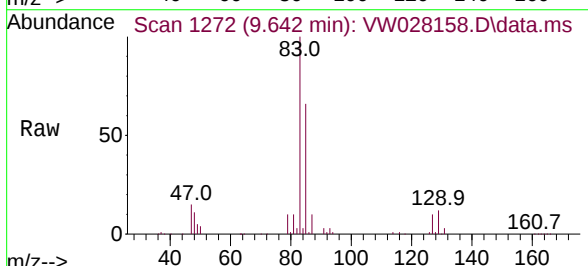
Tgt Ion: 83 Resp: 103511

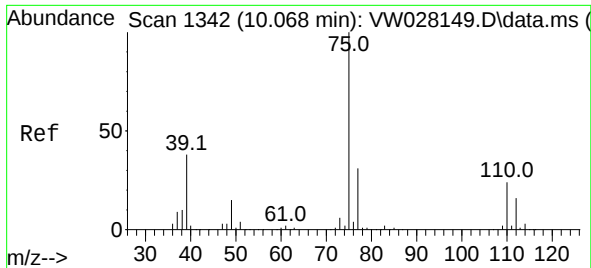
Ion Ratio Lower Upper

83 100

85 65.8 43.3 80.5

127 9.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 22.197 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

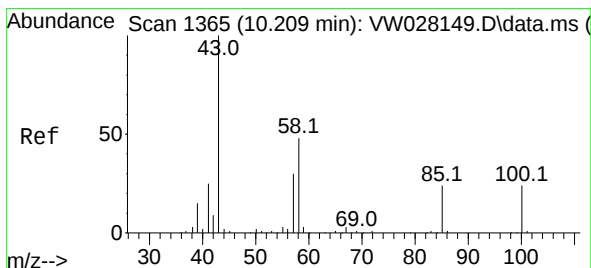
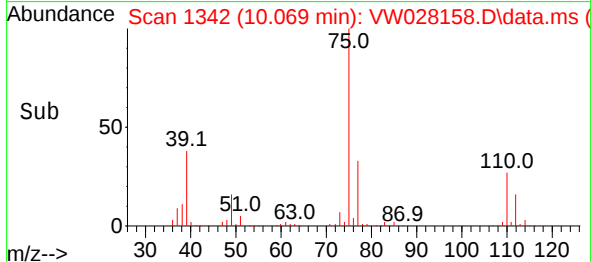
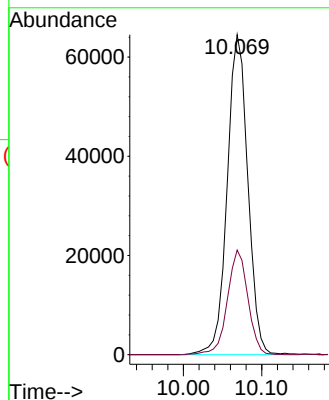
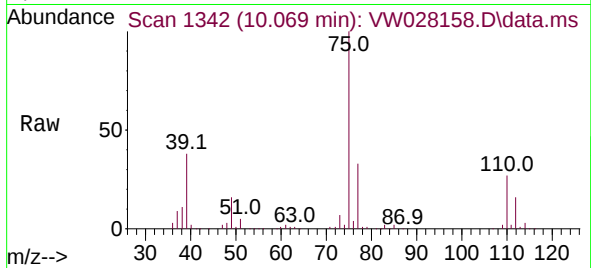
ClientSampleId :

Tgt Ion: 75 Resp: 118039

Ion Ratio Lower Upper

75 100

77 32.7 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 53.514 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

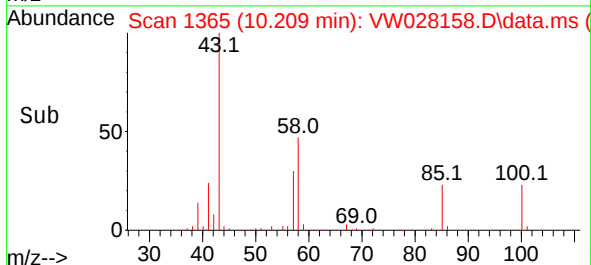
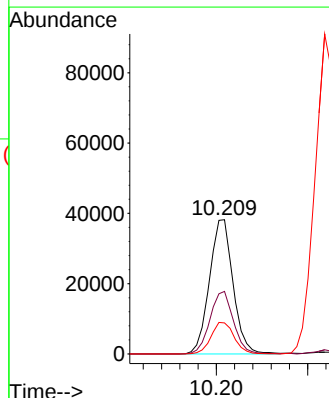
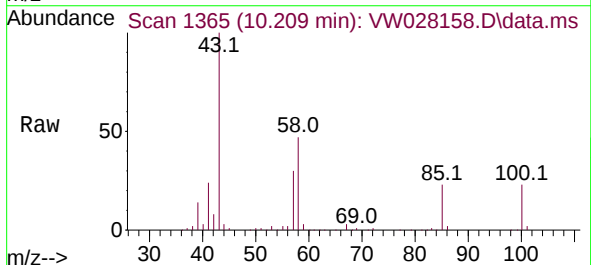
Tgt Ion: 43 Resp: 68733

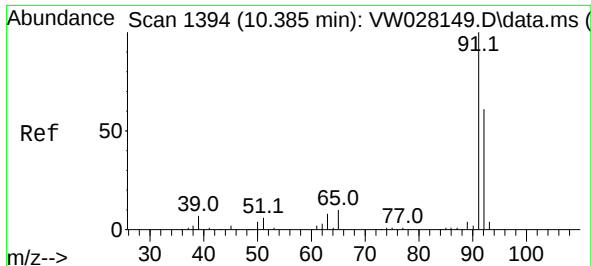
Ion Ratio Lower Upper

43 100

58 46.2 37.8 56.8

100 23.0 18.2 27.4





#42

Toluene

Concen: 21.905 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

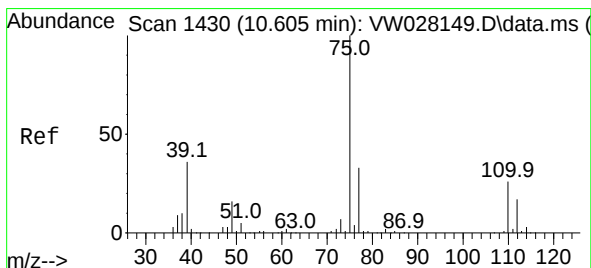
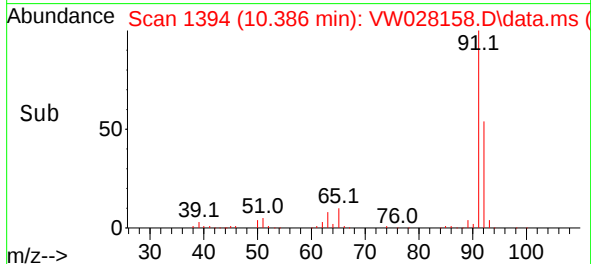
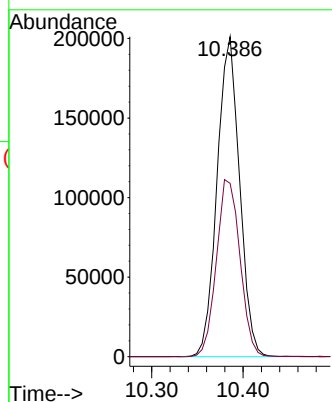
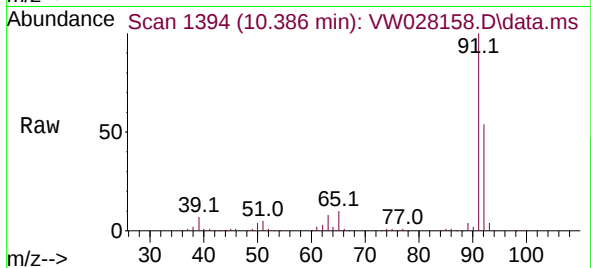
ClientSampleId :

Tgt Ion: 91 Resp: 343702

Ion Ratio Lower Upper

91 100

92 54.1 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 23.655 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028158.D

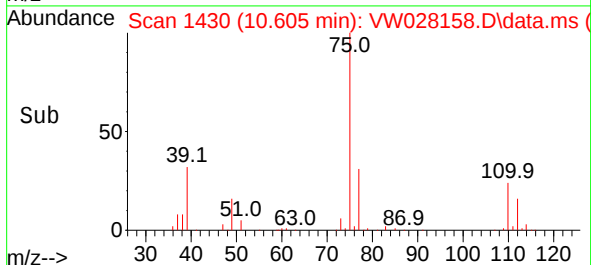
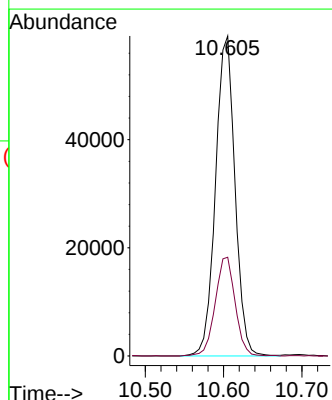
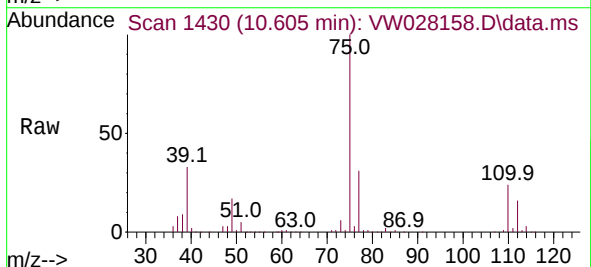
Acq: 12 Mar 2024 15:36

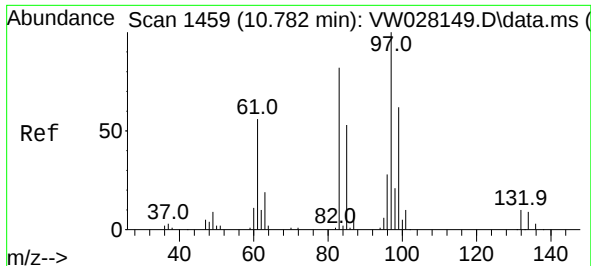
Tgt Ion: 75 Resp: 102190

Ion Ratio Lower Upper

75 100

77 30.8 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 23.422 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 63521

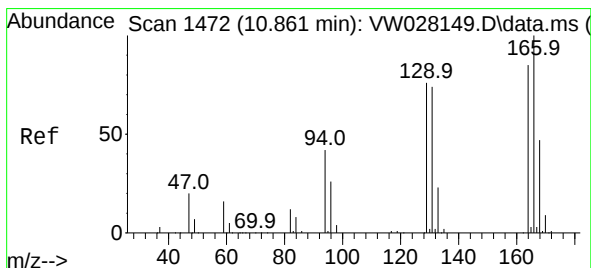
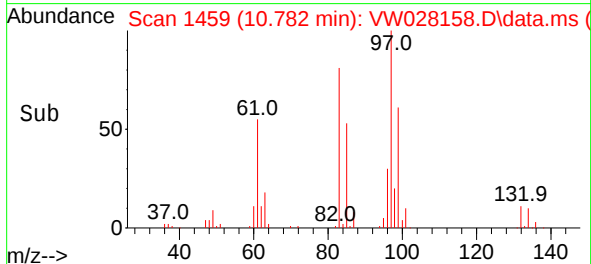
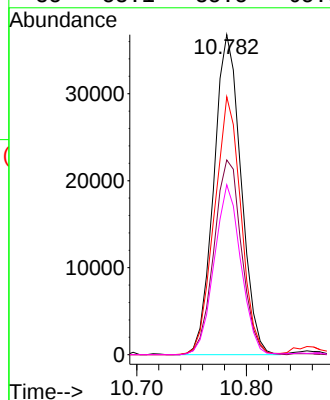
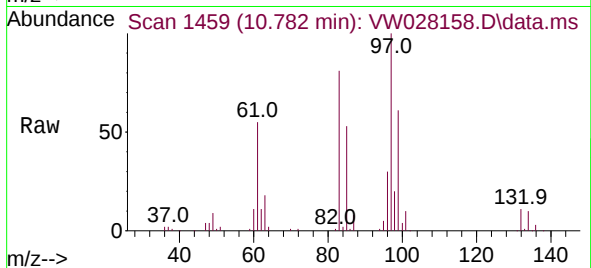
Ion Ratio Lower Upper

97 100

99 60.9 41.9 77.7

83 80.6 56.1 104.1

85 53.1 35.5 65.9



#46

Tetrachloroethene

Concen: 21.603 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Tgt Ion:164 Resp: 73665

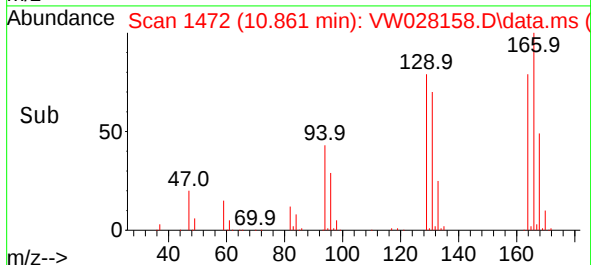
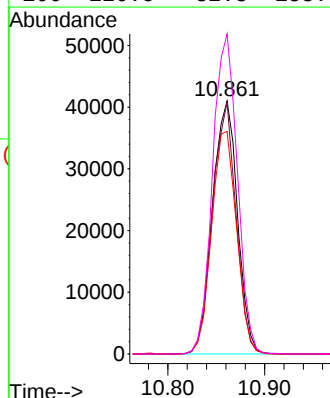
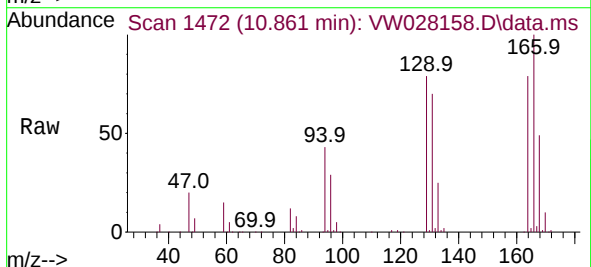
Ion Ratio Lower Upper

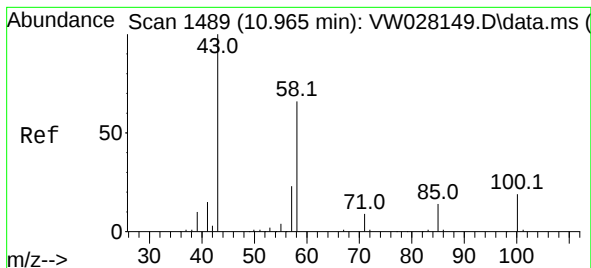
164 100

129 99.4 65.2 121.0

131 88.0 66.2 123.0

166 126.5 82.8 153.8





#48

2-Hexanone

Concen: 51.876 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 53875

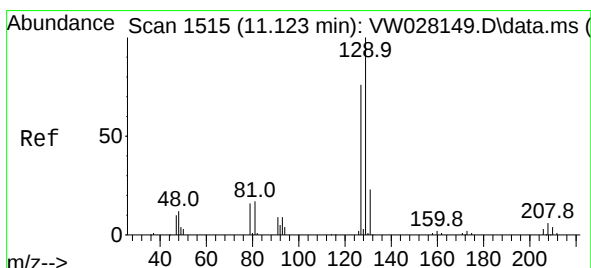
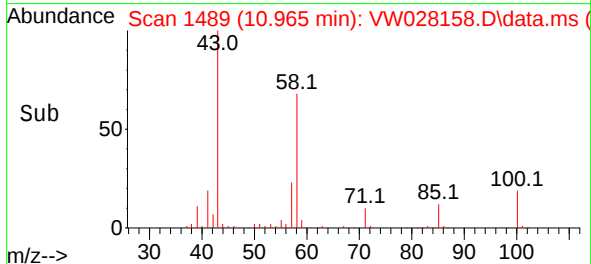
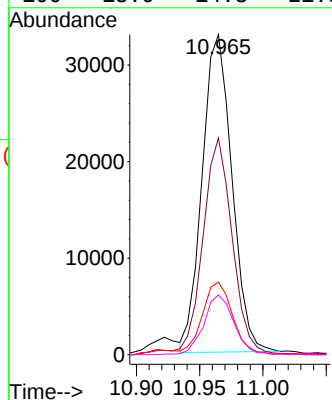
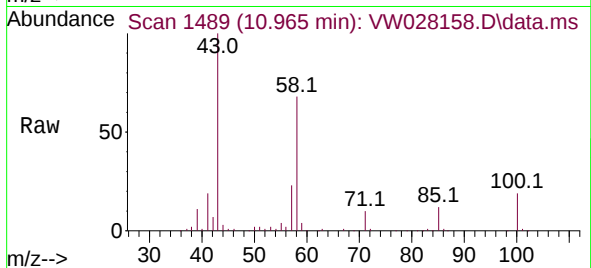
Ion Ratio Lower Upper

43 100

58 67.1 51.8 77.8

57 23.3 18.2 27.4

100 18.9 14.3 21.5



#49

Dibromochloromethane

Concen: 23.486 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW028158.D

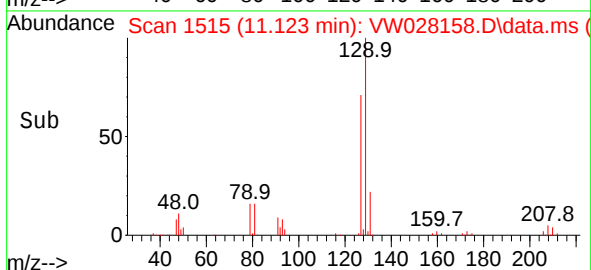
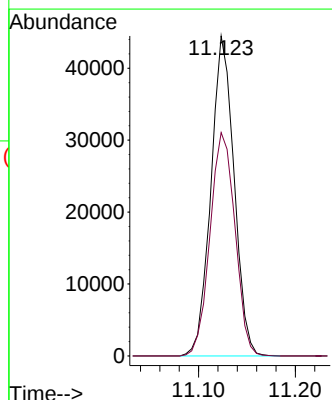
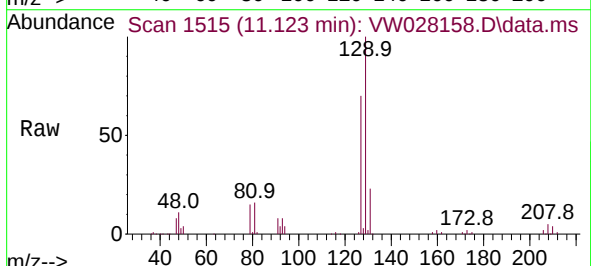
Acq: 12 Mar 2024 15:36

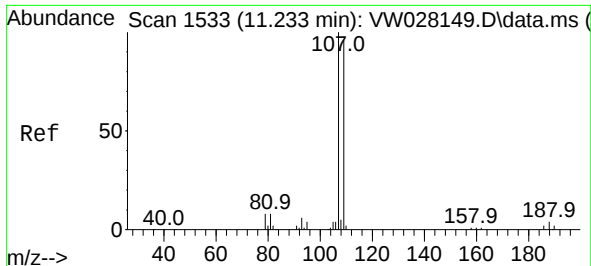
Tgt Ion:129 Resp: 74044

Ion Ratio Lower Upper

129 100

127 69.8 57.1 106.1





#50

1,2-Dibromoethane

Concen: 23.255 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW028158.D

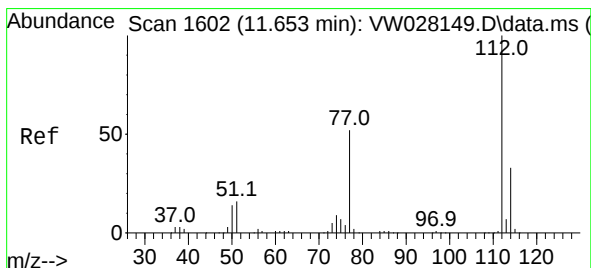
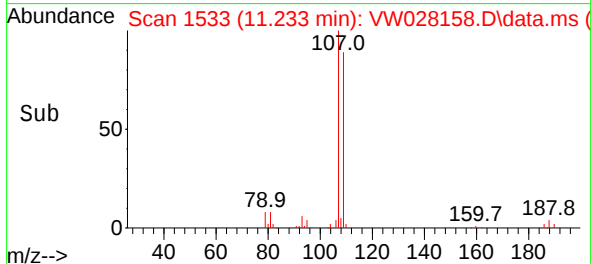
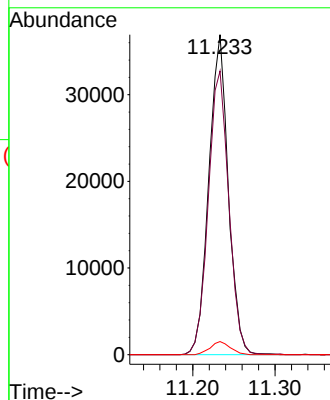
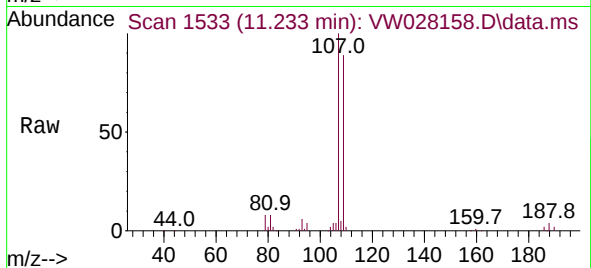
Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	60744
Ion	Ratio	Lower	Upper
107	100		
109	88.6	67.5	125.3
188	4.1	3.1	4.7



#51

Chlorobenzene

Concen: 21.489 ug/L

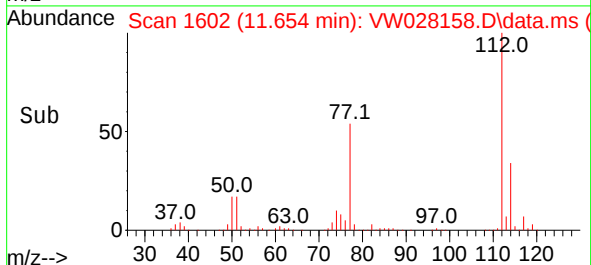
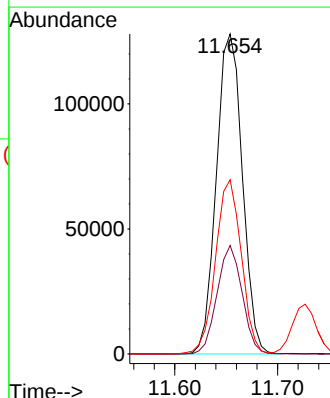
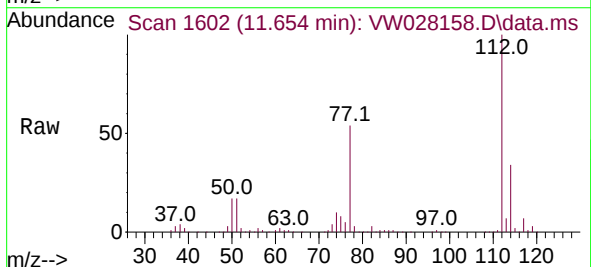
RT: 11.654 min Scan# 1602

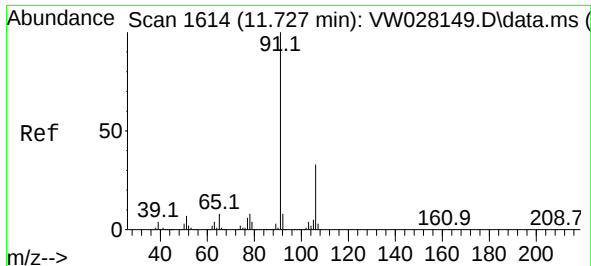
Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Tgt Ion:	112	Resp:	224981
Ion	Ratio	Lower	Upper
112	100		
114	33.9	20.6	38.4
77	54.5	40.0	60.0





#52

Ethylbenzene

Concen: 21.637 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

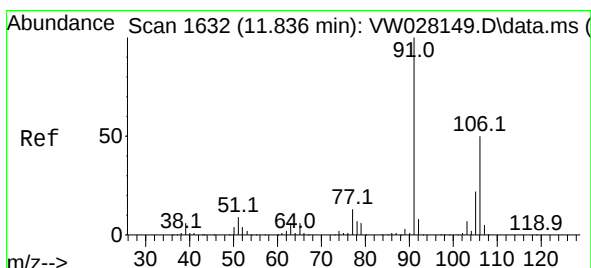
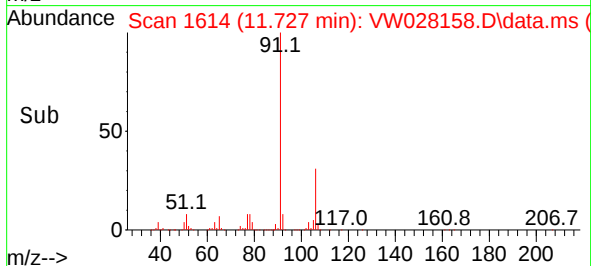
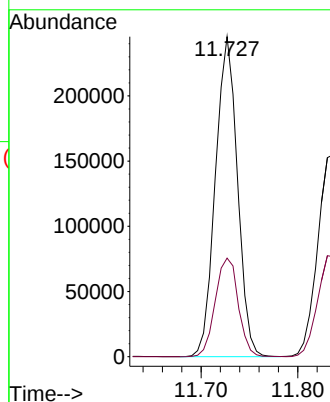
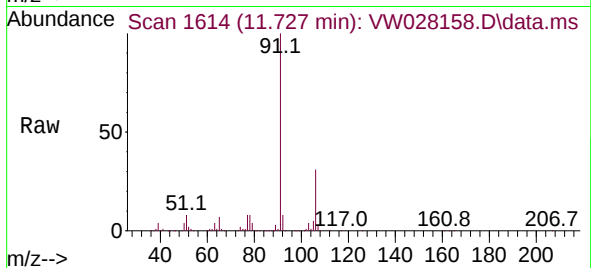
ClientSampleId :

Tgt Ion: 91 Resp: 388145

Ion Ratio Lower Upper

91 100

106 30.8 23.8 44.2



#53

m,p-Xylene

Concen: 21.353 ug/L

RT: 11.831 min Scan# 1631

Delta R.T. -0.006 min

Lab File: VW028158.D

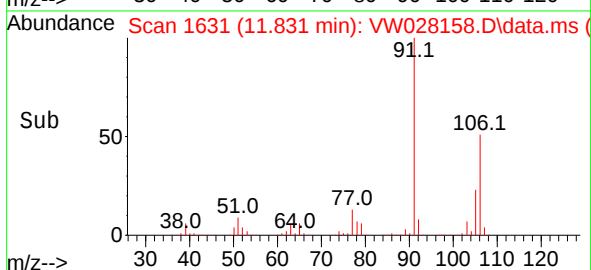
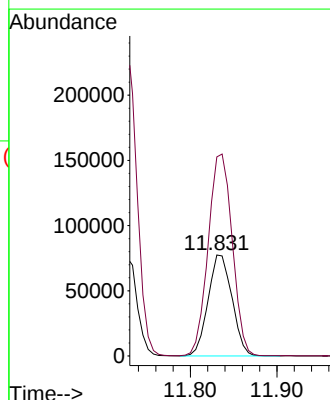
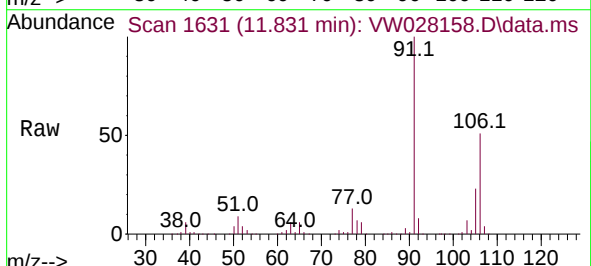
Acq: 12 Mar 2024 15:36

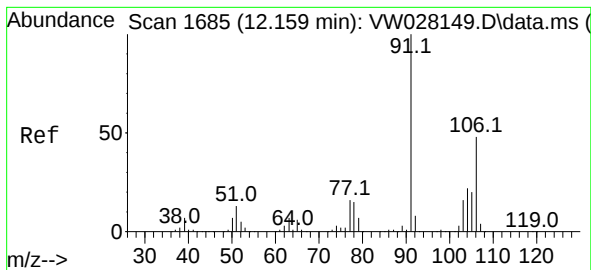
Tgt Ion:106 Resp: 148618

Ion Ratio Lower Upper

106 100

91 197.2 139.7 259.4





#54

o-Xylene

Concen: 21.285 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

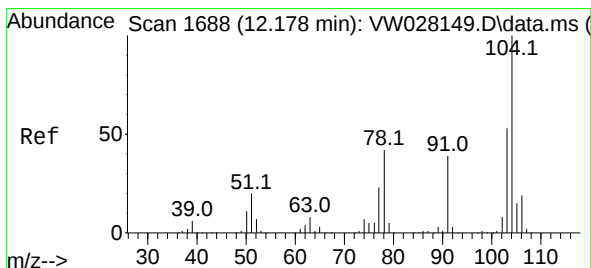
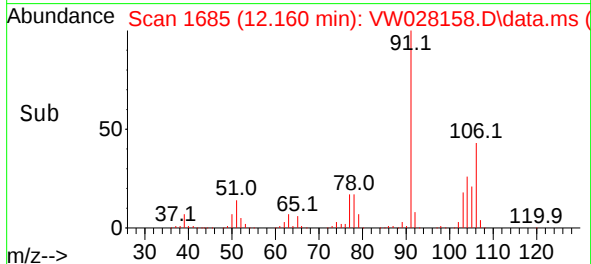
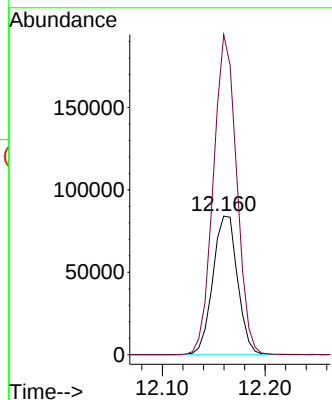
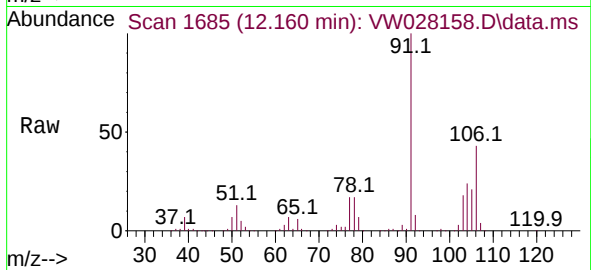
ClientSampleId :

Tgt Ion:106 Resp: 140204

Ion Ratio Lower Upper

106 100

91 231.0 145.2 269.6



#55

Styrene

Concen: 22.098 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW028158.D

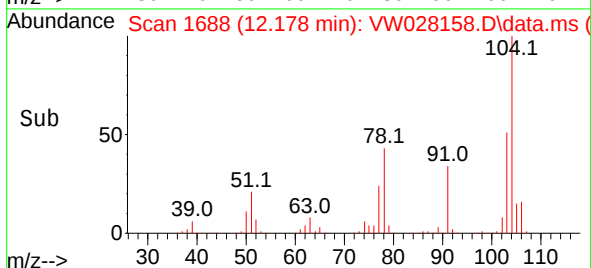
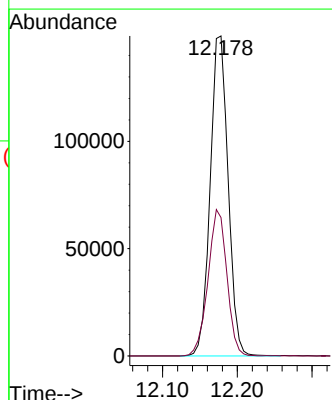
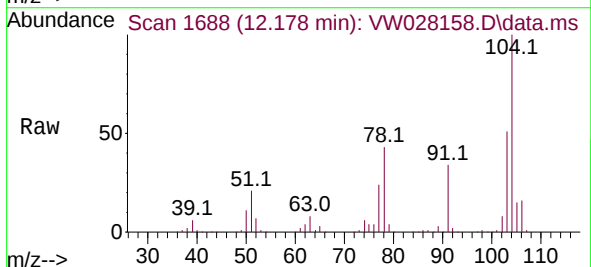
Acq: 12 Mar 2024 15:36

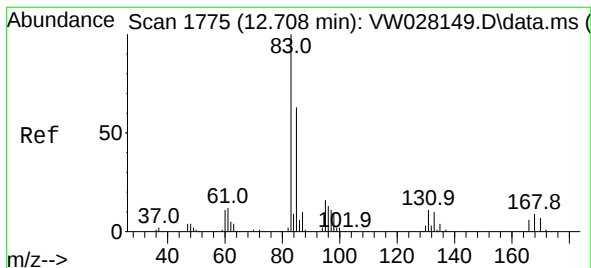
Tgt Ion:104 Resp: 248248

Ion Ratio Lower Upper

104 100

78 43.3 29.1 54.1





#57

1,1,2,2-Tetrachloroethane

Concen: 24.455 ug/L

RT: 12.708 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

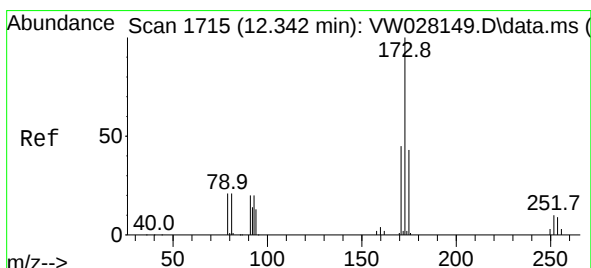
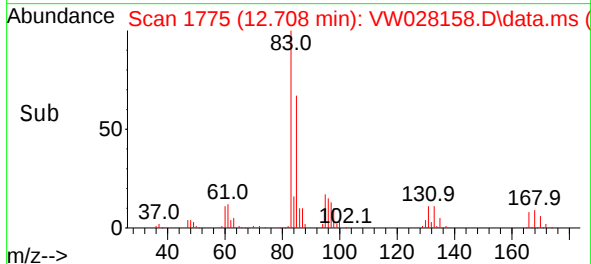
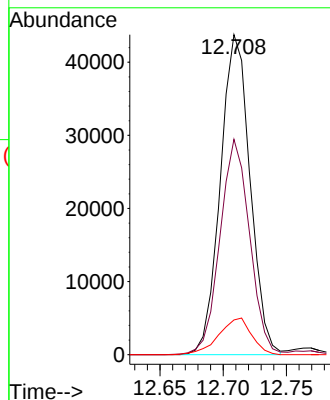
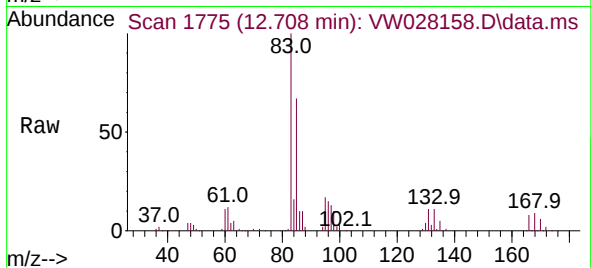
Tgt Ion: 83 Resp: 71514

Ion Ratio Lower Upper

83 100

85 67.3 45.7 84.9

131 10.9 9.7 14.5



#59

Bromoform

Concen: 22.340 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

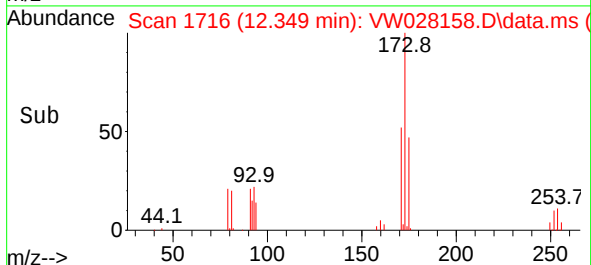
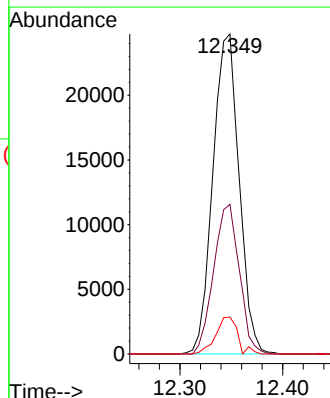
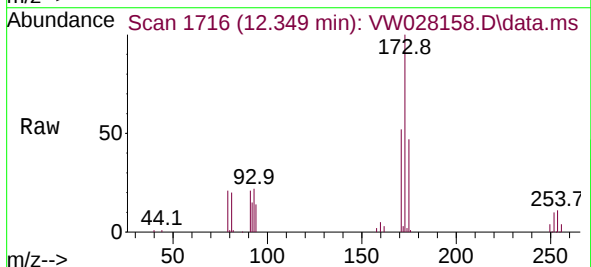
Tgt Ion:173 Resp: 43838

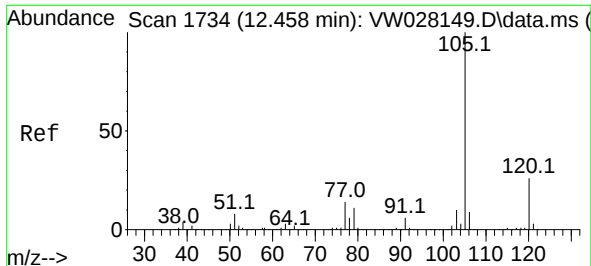
Ion Ratio Lower Upper

173 100

175 45.7 37.2 55.8

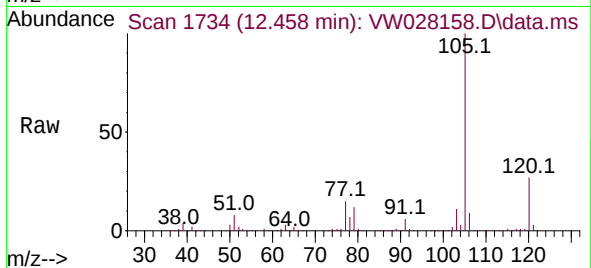
254 9.0 8.5 12.7



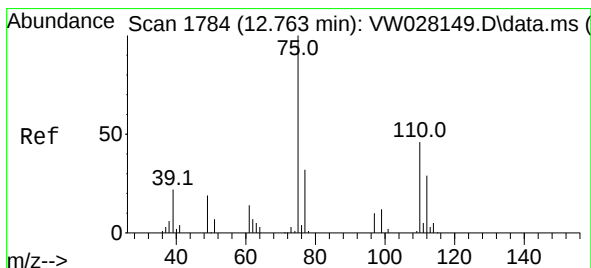
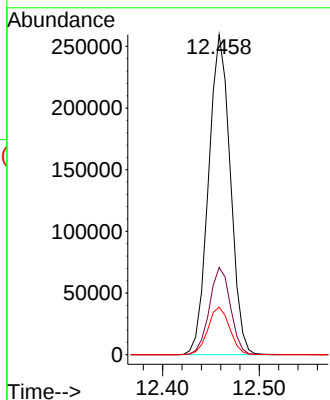
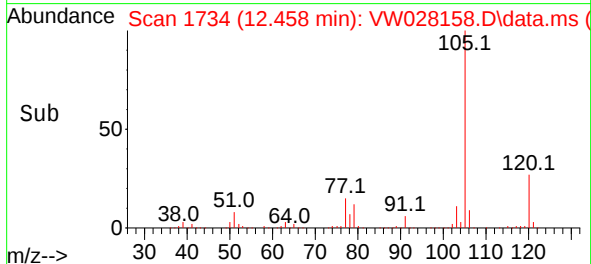


#60
Isopropylbenzene
Concen: 21.388 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

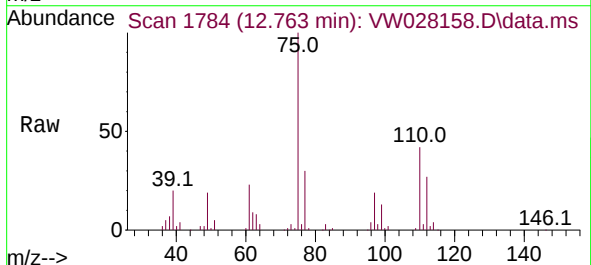
Instrument :
MSVOA_W
ClientSampleId :



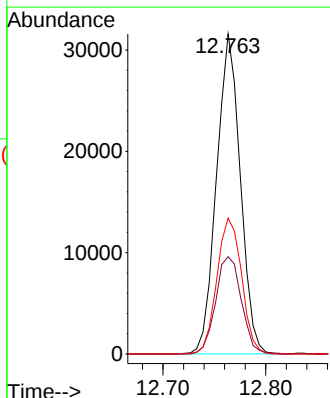
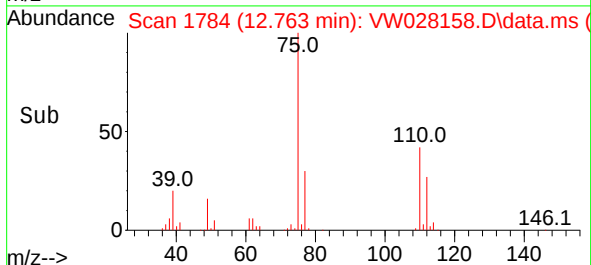
Tgt Ion:105 Resp: 406154
Ion Ratio Lower Upper
105 100
120 26.4 22.2 33.2
77 14.9 11.8 17.6

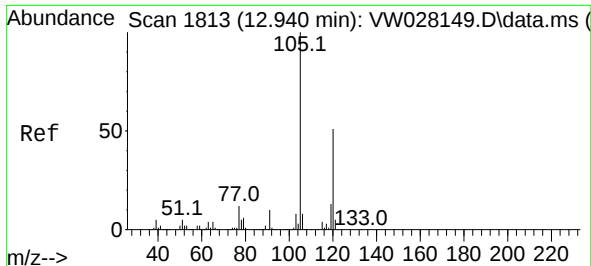


#61
1,2,3-Trichloropropane
Concen: 23.812 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36



Tgt Ion: 75 Resp: 50666
Ion Ratio Lower Upper
75 100
77 32.7 25.9 38.9
110 44.1 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 21.072 ug/L

RT: 12.934 min Scan# 1812

Delta R.T. -0.006 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

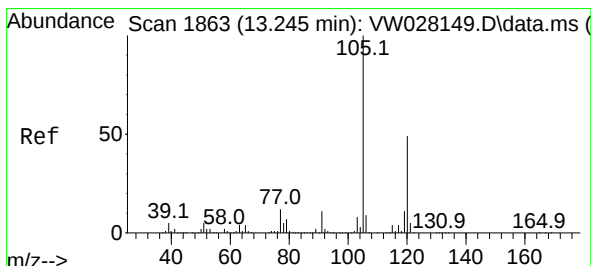
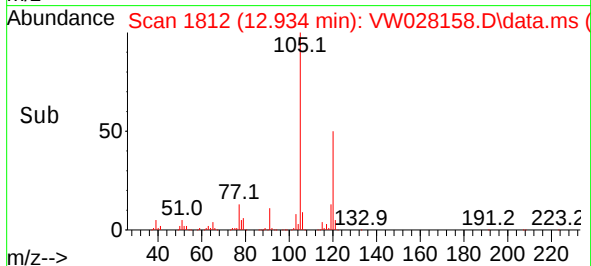
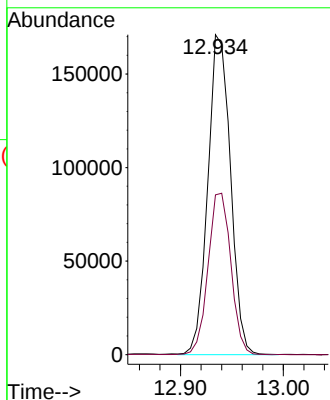
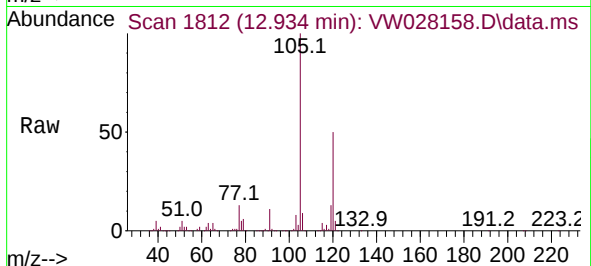
ClientSampleId :

Tgt Ion:105 Resp: 262347

Ion Ratio Lower Upper

105 100

120 50.7 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 21.128 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW028158.D

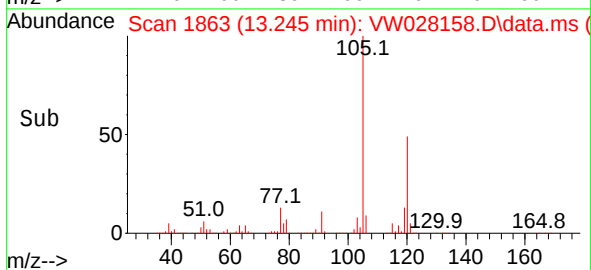
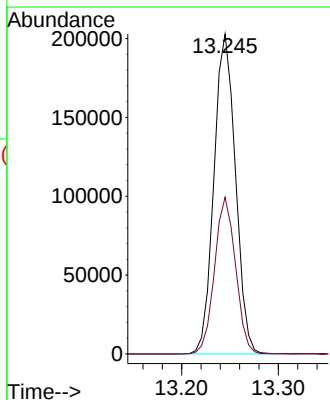
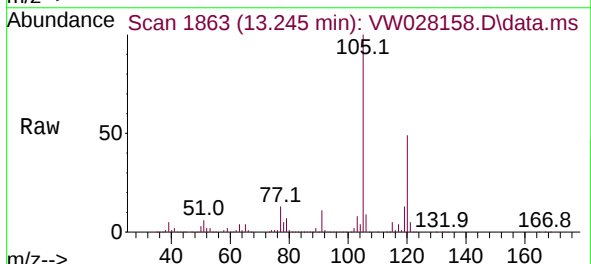
Acq: 12 Mar 2024 15:36

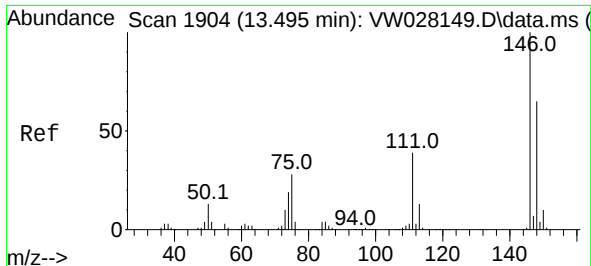
Tgt Ion:105 Resp: 313687

Ion Ratio Lower Upper

105 100

120 47.7 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 21.497 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

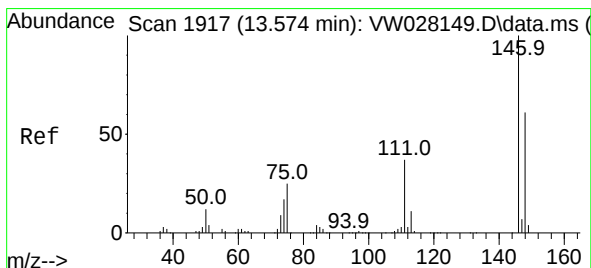
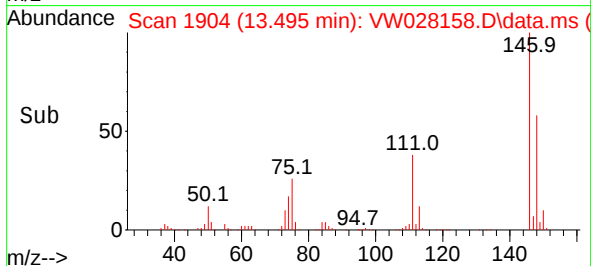
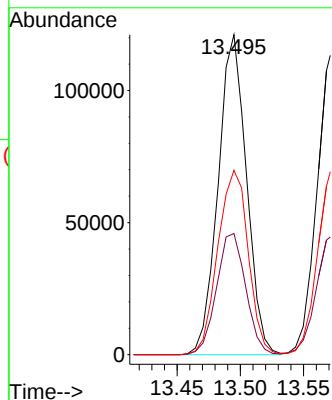
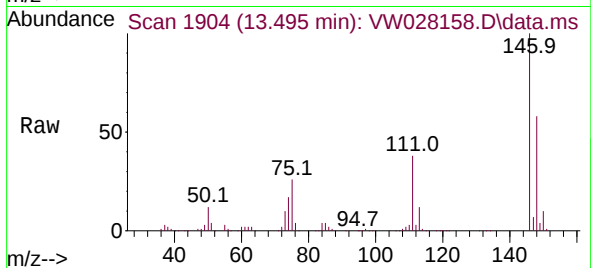
Tgt Ion:146 Resp: 188665

Ion Ratio Lower Upper

146 100

111 37.8 27.9 51.9

148 57.6 38.7 71.9



#65

1,4-Dichlorobenzene

Concen: 21.390 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

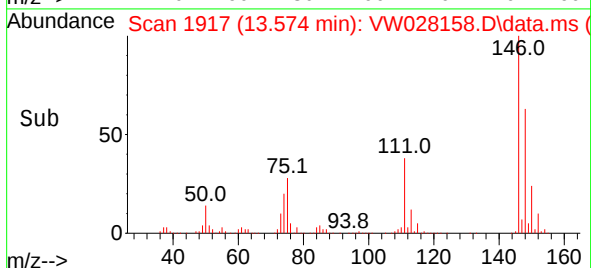
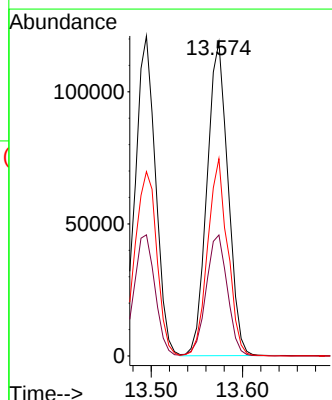
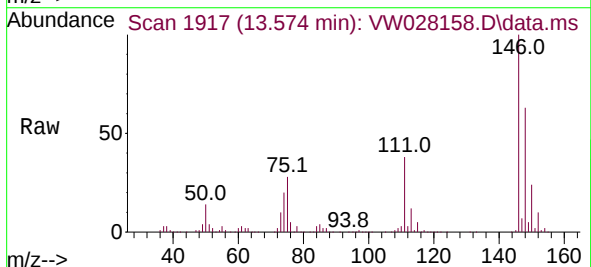
Tgt Ion:146 Resp: 189520

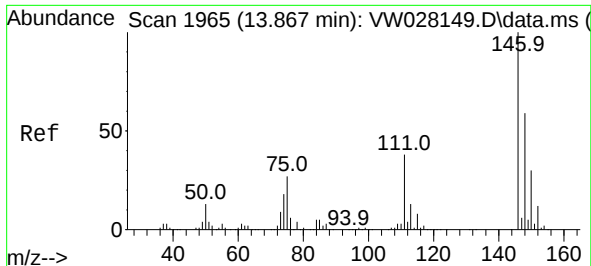
Ion Ratio Lower Upper

146 100

111 38.5 29.3 54.5

148 62.8 47.5 88.1

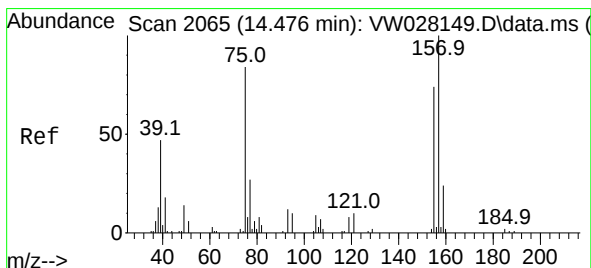
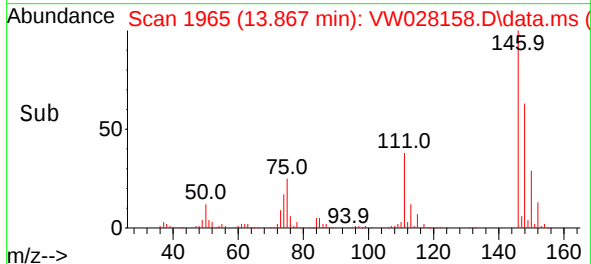
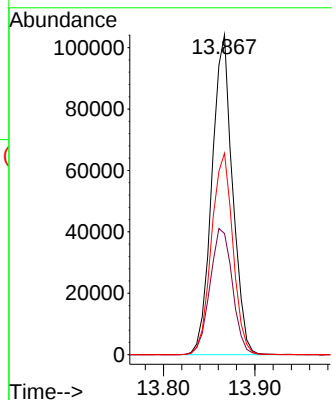
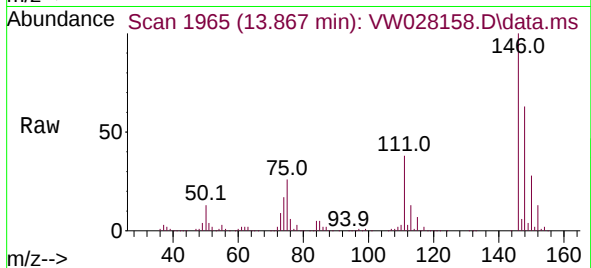




#67
1,2-Dichlorobenzene
Concen: 20.697 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

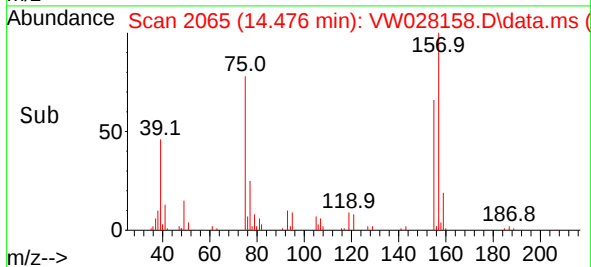
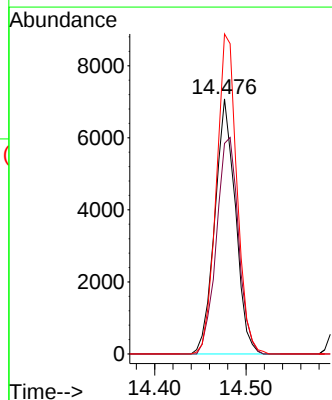
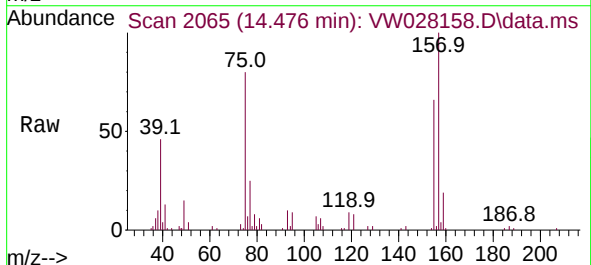
Instrument :
MSVOA_W
ClientSampleId :

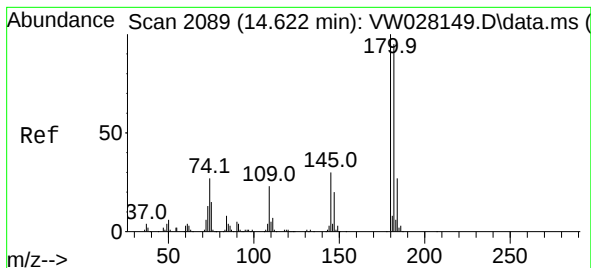
Tgt Ion:146 Resp: 163620
Ion Ratio Lower Upper
146 100
111 37.9 35.4 53.0
148 63.0 55.4 83.2



#68
1,2-Dibromo-3-chloropropane
Concen: 24.775 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW028158.D
Acq: 12 Mar 2024 15:36

Tgt Ion: 75 Resp: 11072
Ion Ratio Lower Upper
75 100
155 82.6 69.3 103.9
157 125.5 82.4 123.6#





#69

1,3,5-Trichlorobenzene

Concen: 20.374 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 131950

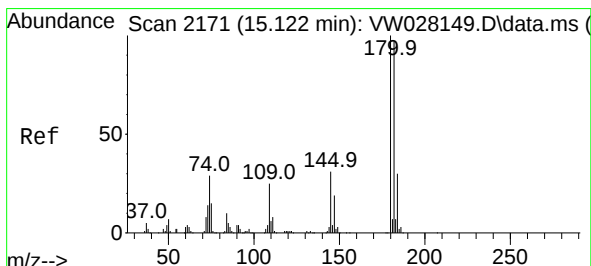
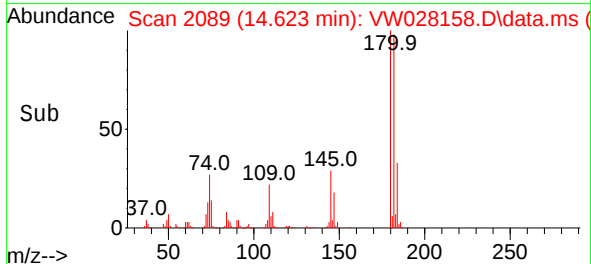
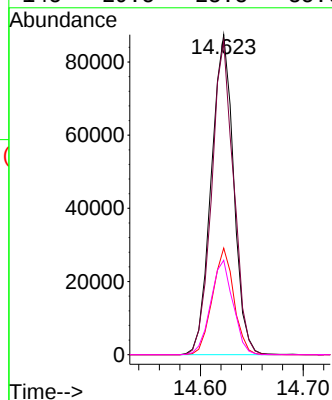
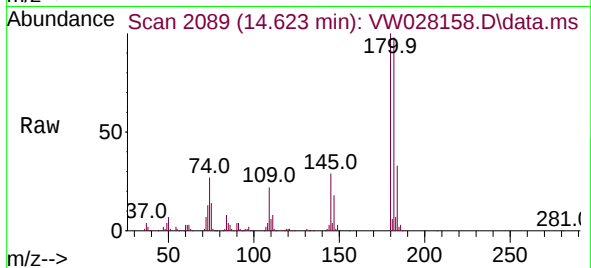
Ion Ratio Lower Upper

180 100

182 96.0 78.2 117.4

184 31.9 25.4 38.2

145 29.5 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 20.282 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

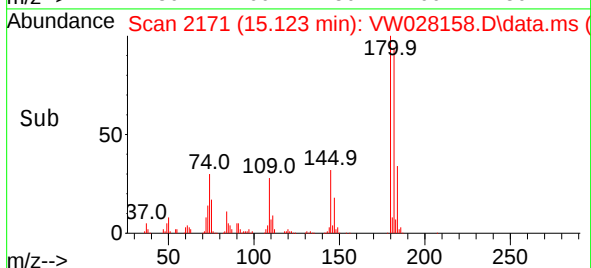
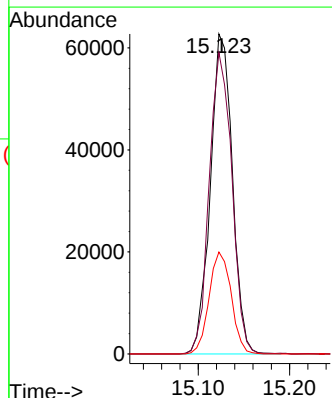
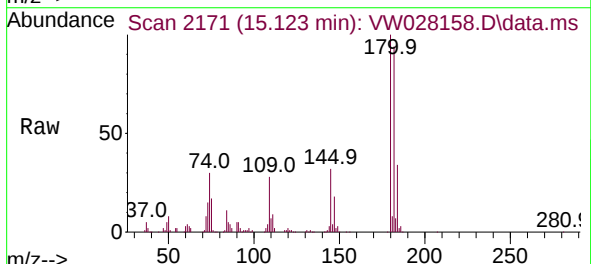
Tgt Ion:180 Resp: 105490

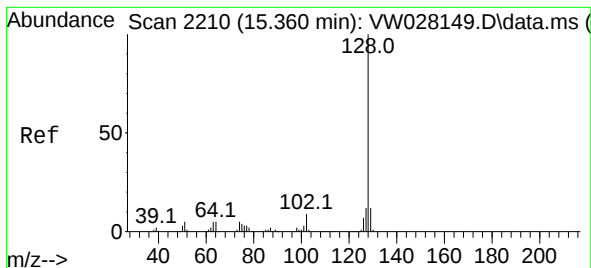
Ion Ratio Lower Upper

180 100

182 96.3 80.1 120.1

145 31.9 24.3 36.5





#71

Naphthalene

Concen: 24.783 ug/L

RT: 15.354 min Scan# 21

Delta R.T. -0.006 min MSVOA_W

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Instrument :

MSVOA_W

ClientSampleId :

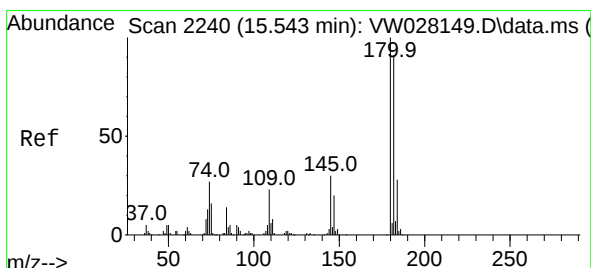
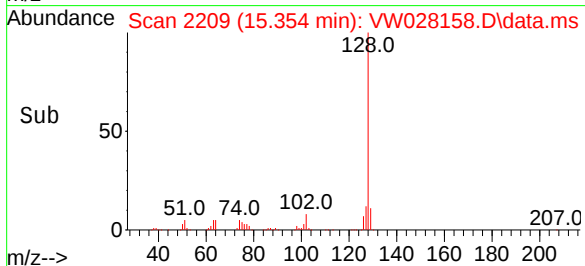
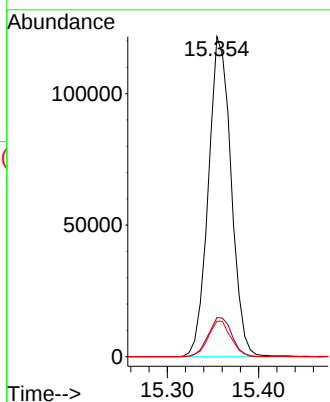
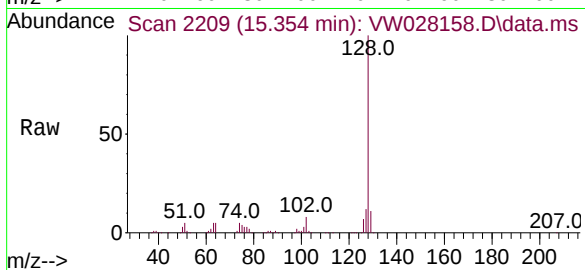
Tgt Ion:128 Resp: 210822

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 22.033 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VW028158.D

Acq: 12 Mar 2024 15:36

Tgt Ion:180 Resp: 95831

Ion Ratio Lower Upper

180 100

182 99.8 81.4 122.2

145 31.4 26.2 39.2

