

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032524\
 Data File : VW028238.D
 Acq On : 25 Mar 2024 09:22
 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 26 01:12:45 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	214835	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	190081	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	99468	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	55145	21.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.760%
7) Chloroethane-d5	2.905	69	43762	24.919	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.680%
11) 1,1-Dichloroethene-d2	4.027	65	37487	23.517	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.080%
21) 2-Butanone-d5	7.087	46	31780	42.866	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.740%
24) Chloroform-d	7.648	84	169758	26.797	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	8.307	65	86895	24.891	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.560%
32) Benzene-d6	8.276	84	324480	27.960	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.840%
36) 1,2-Dichloropropane-d6	9.276	67	93290	27.934	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.720%
41) Toluene-d8	10.325	98	297036	27.749	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.000%
43) trans-1,3-Dichloroprop...	10.575	79	38649	25.480	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.920%
47) 2-Hexanone-d5	10.922	63	25877	46.875	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.760%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	61350	24.868	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.480%
66) 1,2-Dichlorobenzene-d4	13.848	152	98694	27.237	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	60571	19.436	ug/L #	86
3) Chloromethane	2.222	50	46216	20.909	ug/L	96
5) Vinyl chloride	2.375	62	59216	23.700	ug/L	97
6) Bromomethane	2.795	94	35765	24.035	ug/L	94
8) Chloroethane	2.936	64	32539	24.229	ug/L	99
9) Trichlorofluoromethane	3.277	101	79695	26.381	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	73130	24.369	ug/L #	73
12) 1,1-Dichloroethene	4.045	96	69629	25.099	ug/L	94
13) Acetone	4.143	43	27926	33.925	ug/L	97
14) Carbon disulfide	4.393	76	202543	23.408	ug/L	99
16) Methylene chloride	4.917	84	69638	21.297	ug/L	98
17) trans-1,2-Dichloroethene	5.435	96	71635	24.298	ug/L	94
18) Methyl tert-butyl Ether	5.429	73	100916	22.687	ug/L	99
19) 1,1-Dichloroethane	6.222	63	138794	24.317	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	77613	24.375	ug/L	98
22) 2-Butanone	7.179	43	32865	35.164	ug/L	95
23) Bromochloromethane	7.514	128	32199	22.874	ug/L	94
25) Chloroform	7.679	83	143685	24.453	ug/L	100
27) 1,2-Dichloroethane	8.398	62	90818	21.886	ug/L	98

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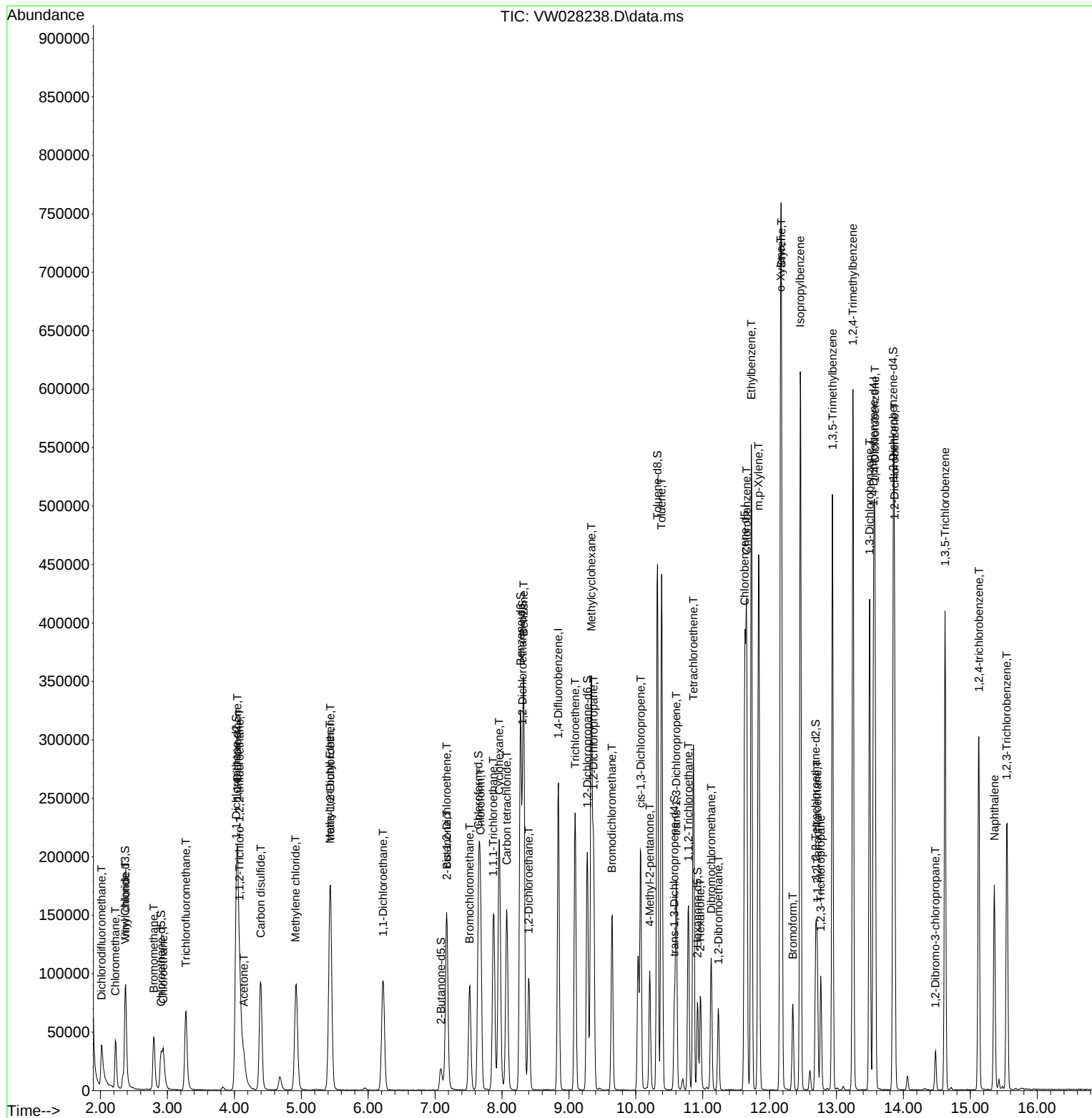
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	125066	25.226	ug/L	100
30) 1,1,1-Trichloroethane	7.868	97	129113	25.913	ug/L	99
31) Carbon tetrachloride	8.069	117	119253	25.516	ug/L	98
33) Benzene	8.325	78	299619	25.616	ug/L	100
34) Trichloroethene	9.093	95	84461	25.882	ug/L	95
35) Methylcyclohexane	9.337	83	138933	25.187	ug/L	99
37) 1,2-Dichloropropane	9.367	63	75936	25.382	ug/L	99
38) Bromodichloromethane	9.642	83	100630	24.948	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	117951	24.618	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	64282	38.925	ug/L	98
42) Toluene	10.386	91	321263	25.166	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	97542	24.113	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	50272	23.257	ug/L	98
46) Tetrachloroethene	10.861	164	65826	25.024	ug/L	95
48) 2-Hexanone	10.965	43	51298	39.655	ug/L	99
49) Dibromochloromethane	11.129	129	59338	23.179	ug/L	95
50) 1,2-Dibromoethane	11.233	107	46791	22.638	ug/L	97
51) Chlorobenzene	11.654	112	203074	25.063	ug/L	98
52) Ethylbenzene	11.727	91	383405	25.728	ug/L	99
53) m,p-Xylene	11.836	106	145432	25.934	ug/L	98
54) o-Xylene	12.166	106	134716	25.905	ug/L	93
55) Styrene	12.178	104	230384	25.791	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	53316	21.564	ug/L	93
59) Bromoform	12.349	173	34235	22.969	ug/L	97
60) Isopropylbenzene	12.458	105	389463	26.353	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	39182	20.640	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	258052	26.024	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	315529	26.352	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	169033	25.638	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	163191	24.753	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	144652	25.477	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	8978	20.133	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	122441	26.661	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	96915	24.840	ug/L	98
71) Naphthalene	15.360	128	146560	21.886	ug/L	100
72) 1,2,3-Trichlorobenzene	15.543	180	80242	24.948	ug/L	99

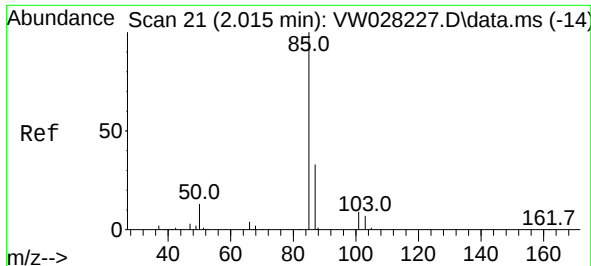
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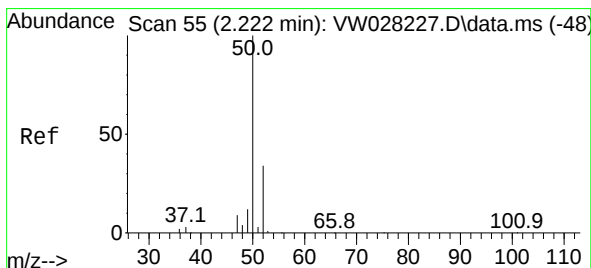
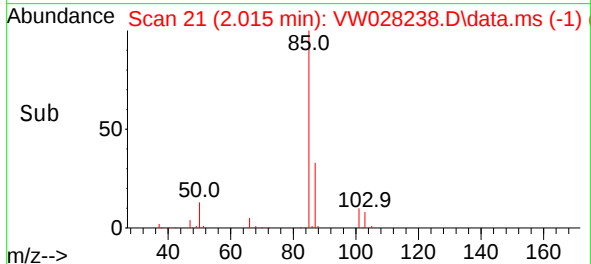
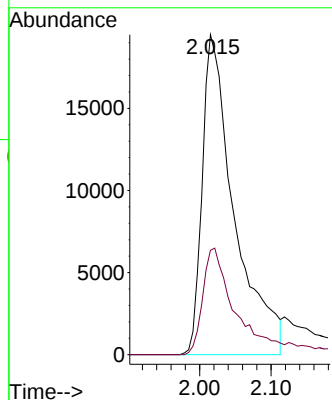
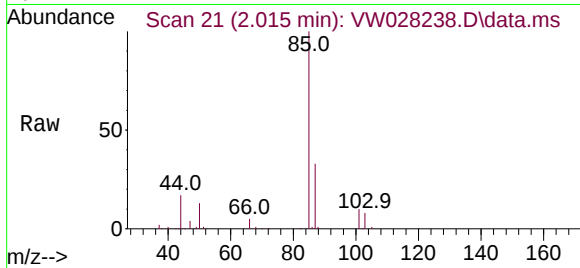




#2
 Dichlorodifluoromethane
 Concen: 19.436 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW028238.D
 Acq: 25 Mar 2024 09:22

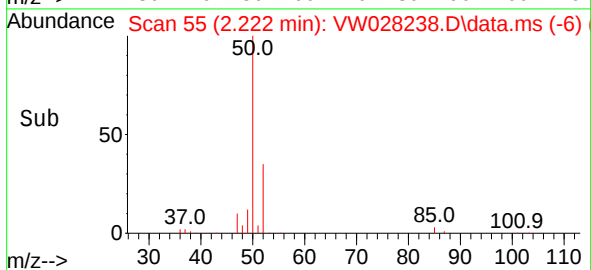
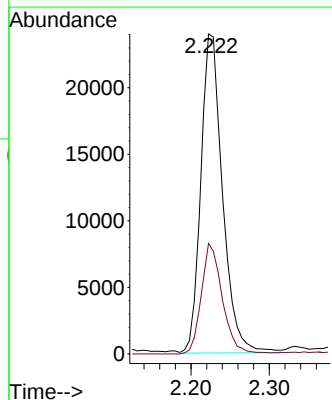
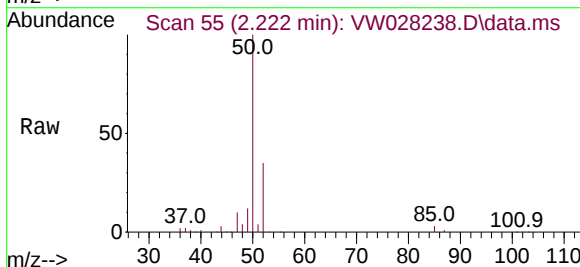
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 ClientSampleId :

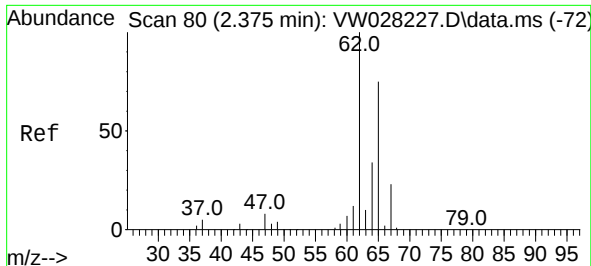
Tgt Ion: 85 Resp: 60571
 Ion Ratio Lower Upper
 85 100
 87 33.4 20.9 31.3#



#3
 Chloromethane
 Concen: 20.909 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW028238.D
 Acq: 25 Mar 2024 09:22

Tgt Ion: 50 Resp: 46216
 Ion Ratio Lower Upper
 50 100
 52 34.6 22.7 42.1

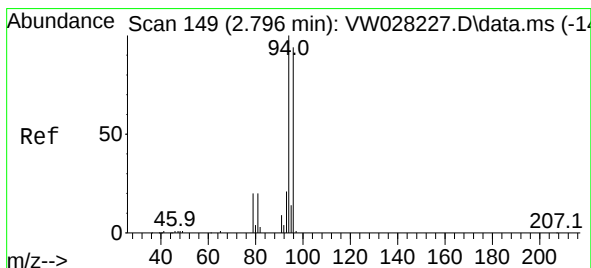
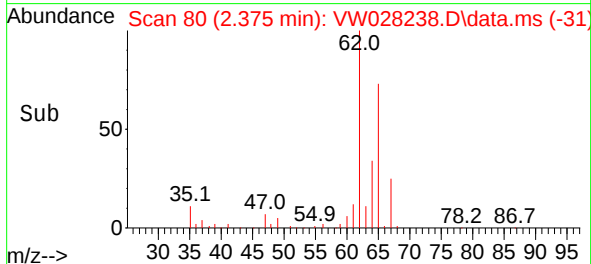
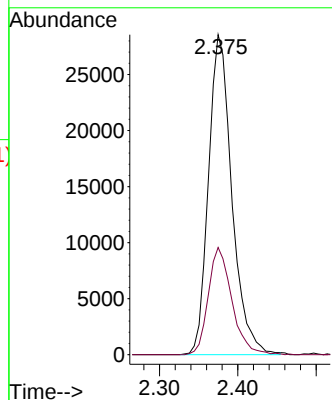
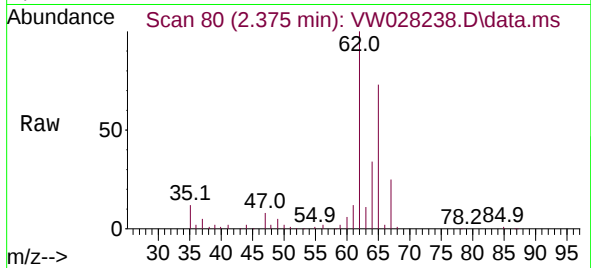




#5
 Vinyl chloride
 Concen: 23.700 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW028238.D
 Acq: 25 Mar 2024 09:22

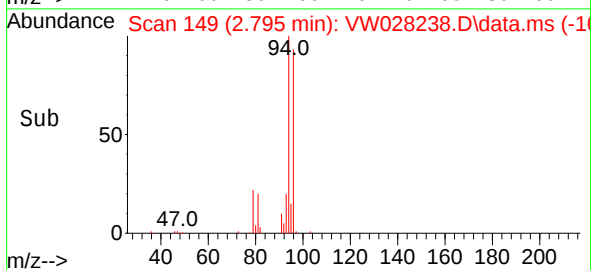
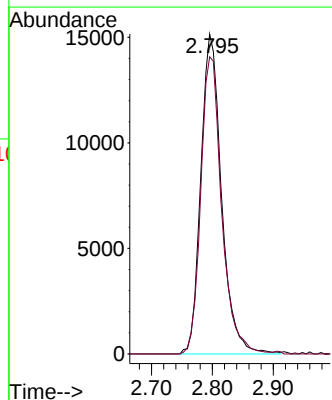
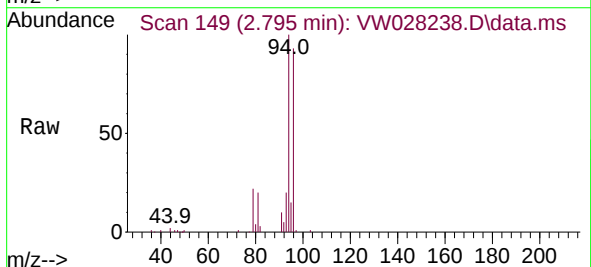
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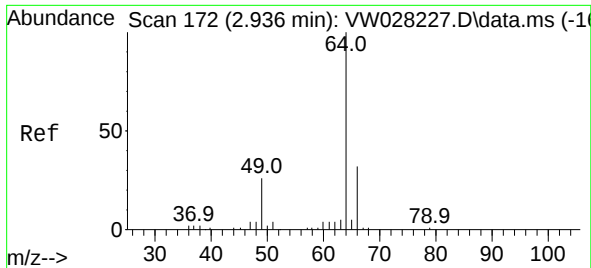
Tgt Ion: 62 Resp: 59216
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.5 41.7



#6
 Bromomethane
 Concen: 24.035 ug/L
 RT: 2.795 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VW028238.D
 Acq: 25 Mar 2024 09:22

Tgt Ion: 94 Resp: 35765
 Ion Ratio Lower Upper
 94 100
 96 92.9 60.8 113.0

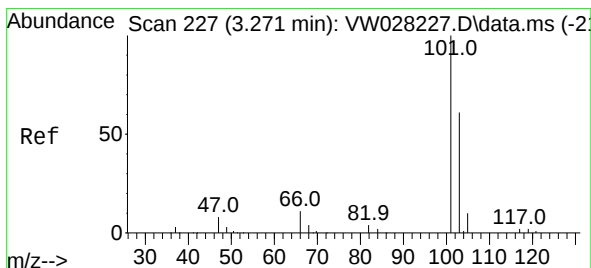
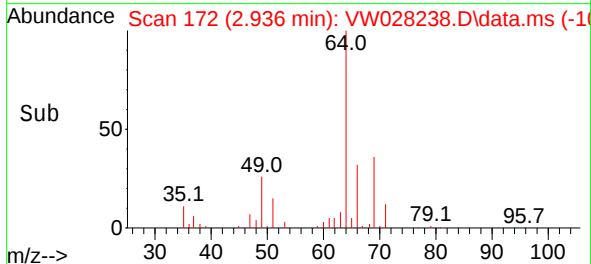
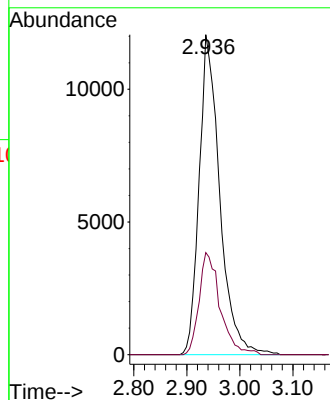
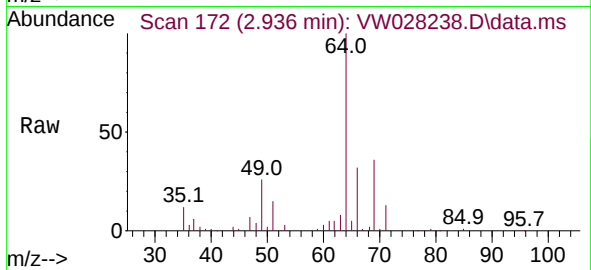




#8
Chloroethane
Concen: 24.229 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

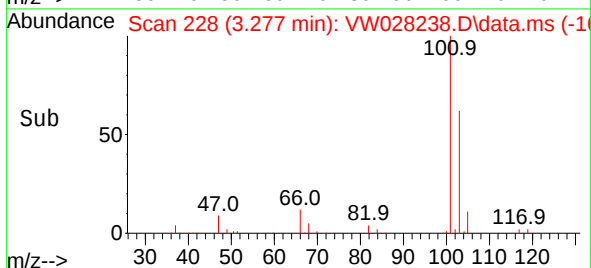
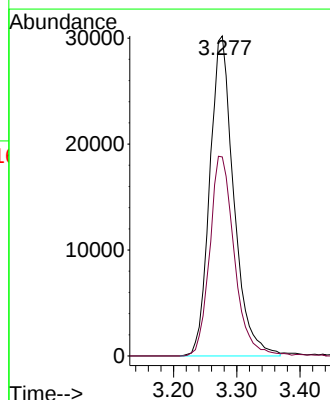
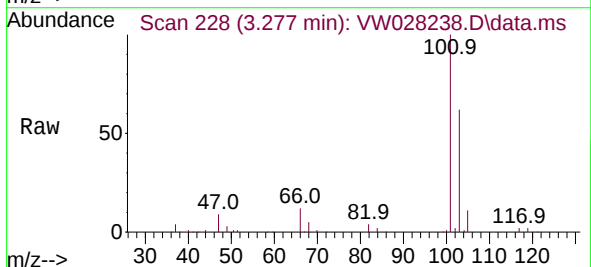
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MSVOA_W
ClientSampleId :

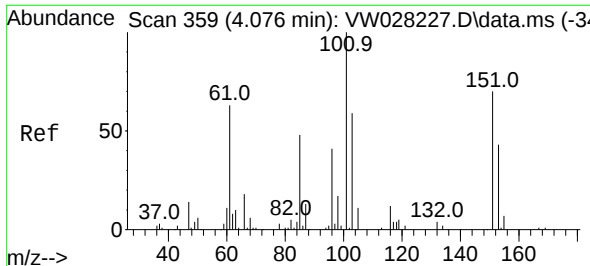
Tgt Ion: 64 Resp: 32539
Ion Ratio Lower Upper
64 100
66 31.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 26.381 ug/L
RT: 3.277 min Scan# 228
Delta R.T. 0.006 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

Tgt Ion:101 Resp: 79695
Ion Ratio Lower Upper
101 100
103 63.9 50.9 76.3





#10

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

Concen: 24.369 ug/L

RT: 4.076 min Scan# 359

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

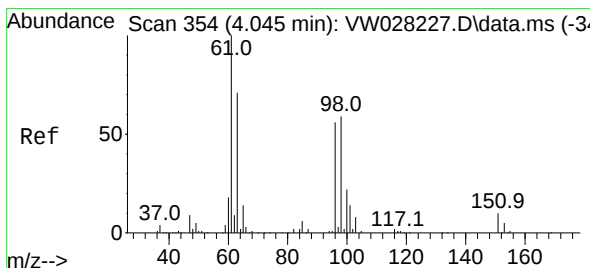
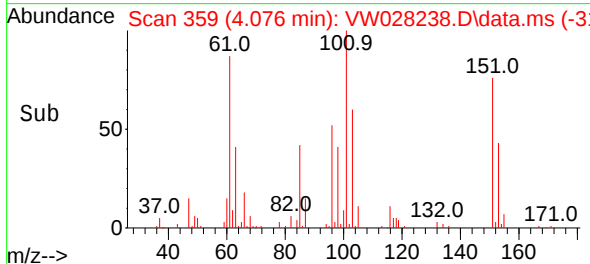
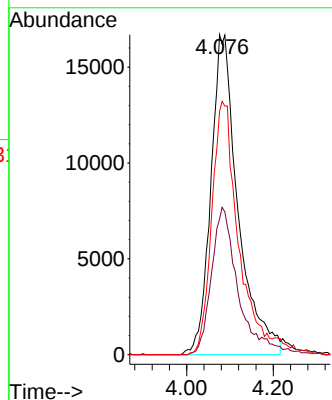
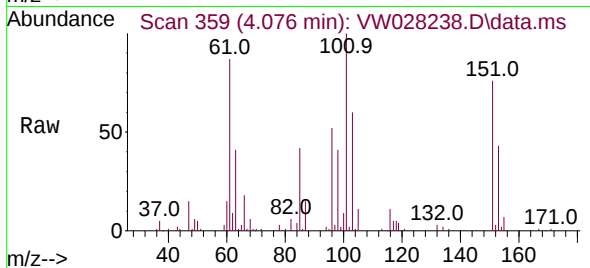
Tgt Ion:101 Resp: 73130

Ion Ratio Lower Upper

101 100

85 41.1 36.4 54.6

151 39.5 58.4 87.6#



#12

1,1-Dichloroethene

Concen: 25.099 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

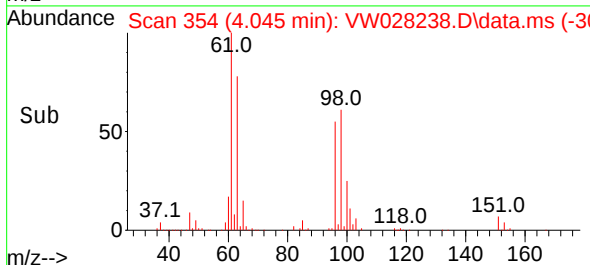
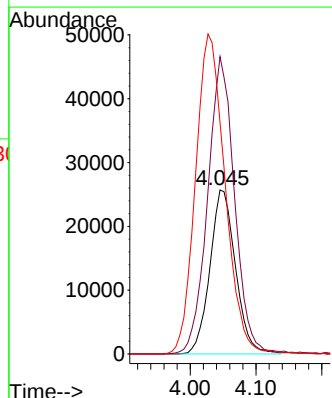
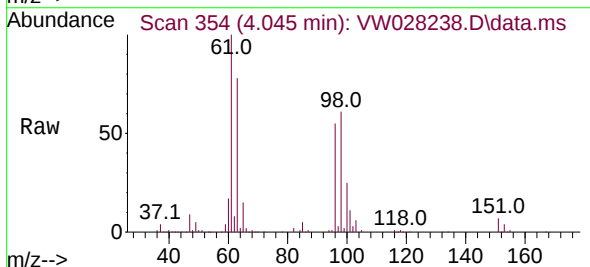
Tgt Ion: 96 Resp: 69629

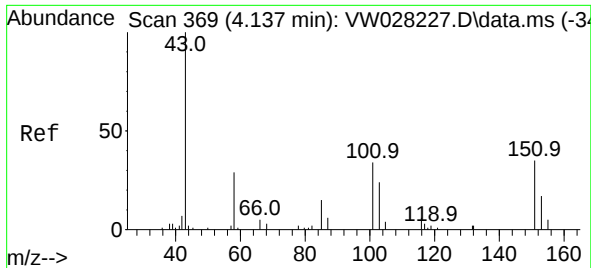
Ion Ratio Lower Upper

96 100

61 181.2 132.2 245.4

63 141.1 104.6 194.2

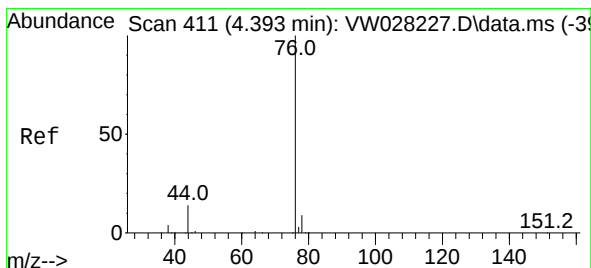
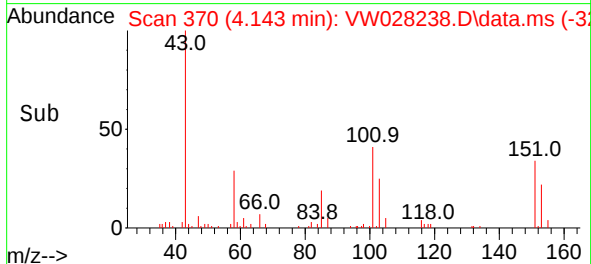
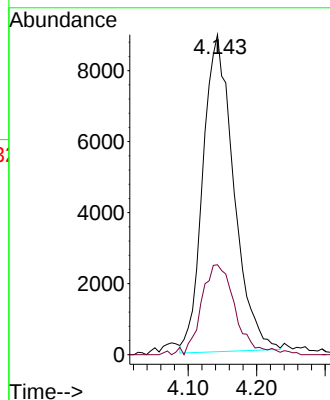
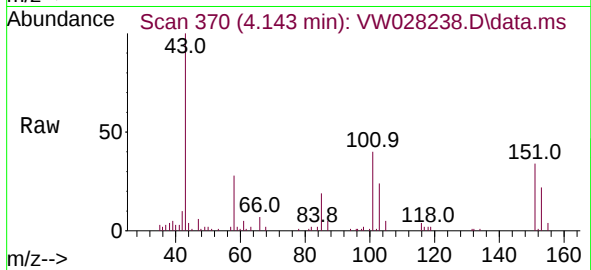




#13
Acetone
Concen: 33.925 ug/L
RT: 4.143 min Scan# 370
Delta R.T. 0.006 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

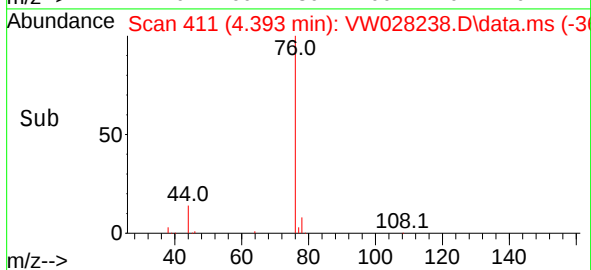
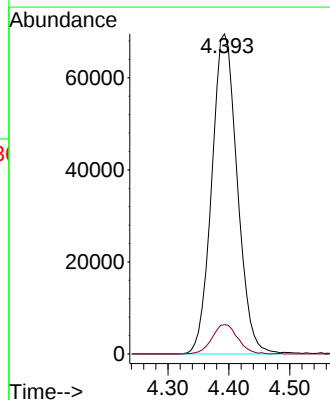
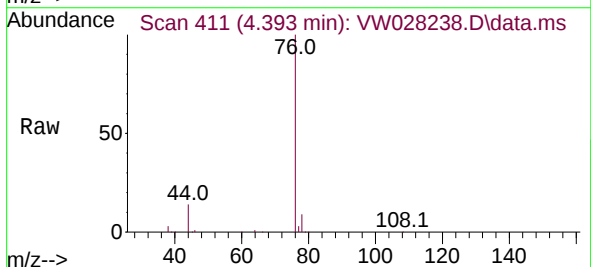
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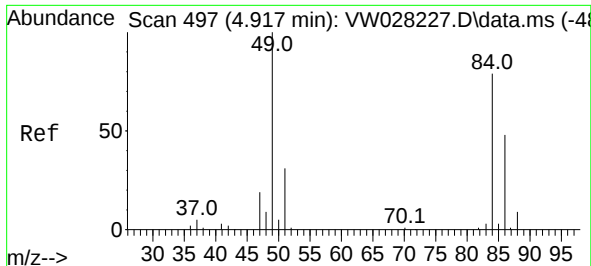
Tgt Ion: 43 Resp: 27926
Ion Ratio Lower Upper
43 100
58 30.3 0.0 57.8



#14
Carbon disulfide
Concen: 23.408 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
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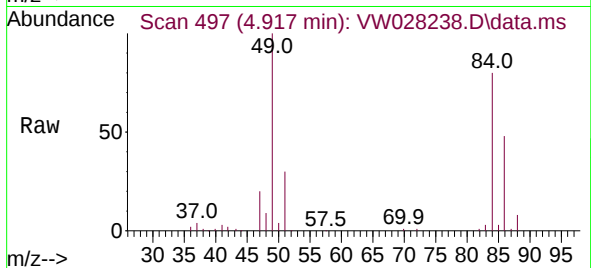
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Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7





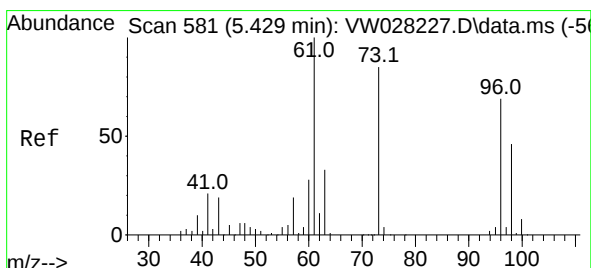
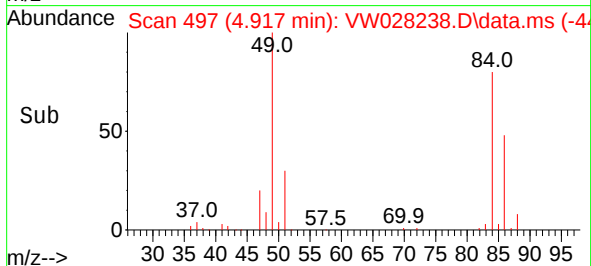
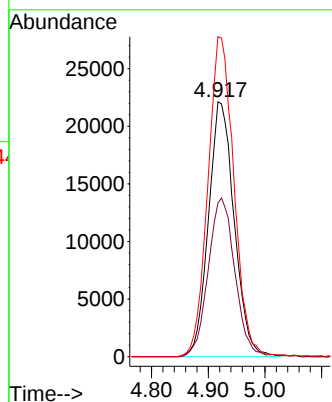
#16
Methylene chloride
Concen: 21.297 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 69638

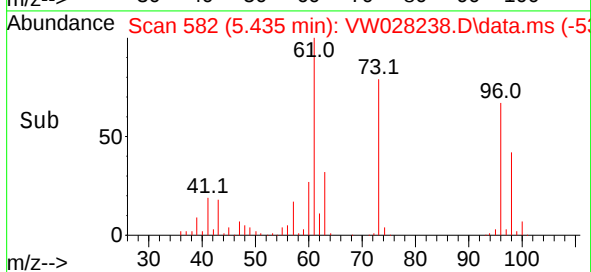
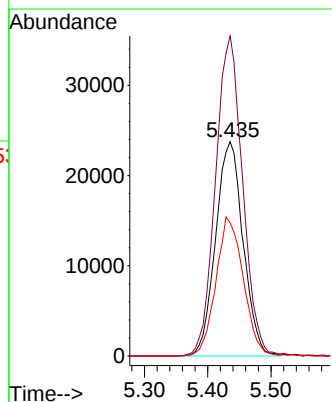
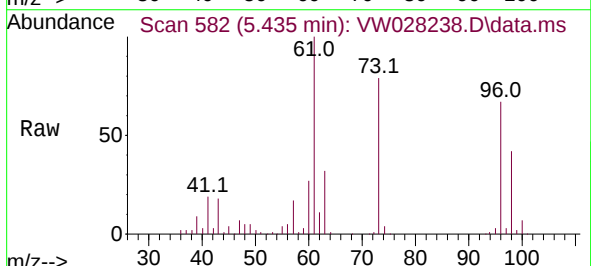
Ion	Ratio	Lower	Upper
84	100		
86	60.3	43.1	80.1
49	125.5	89.4	166.0

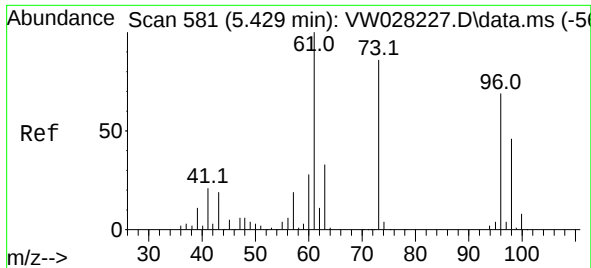


#17
trans-1,2-Dichloroethene
Concen: 24.298 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

Tgt Ion: 96 Resp: 71635

Ion	Ratio	Lower	Upper
96	100		
61	149.4	98.4	182.8
98	62.3	45.6	84.8

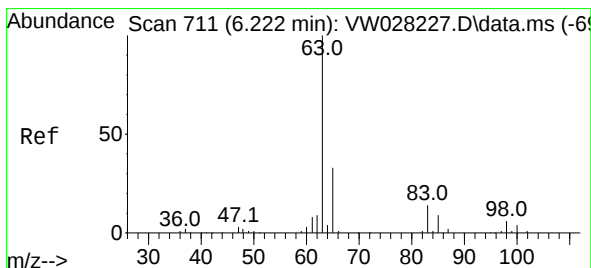
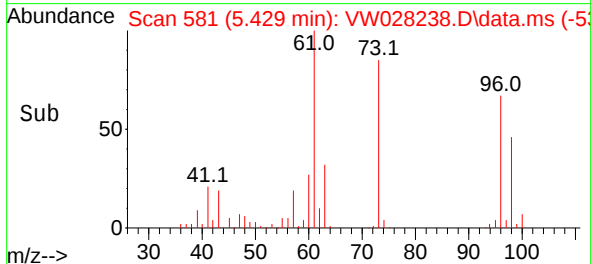
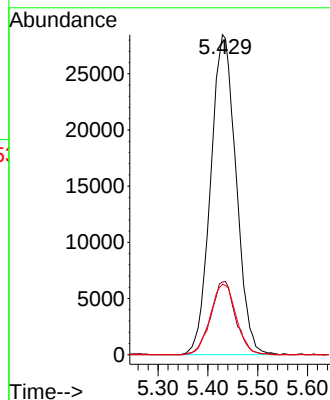
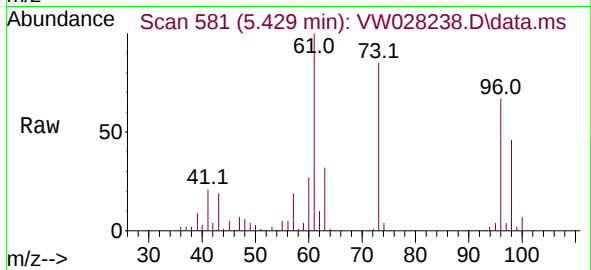




#18
Methyl tert-butyl Ether
Concen: 22.687 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

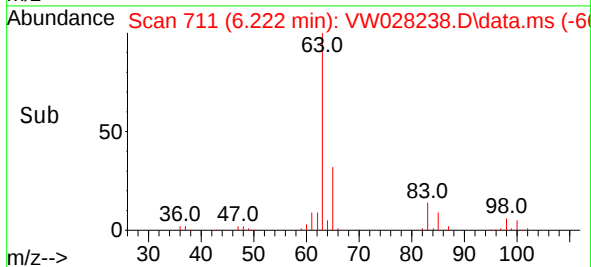
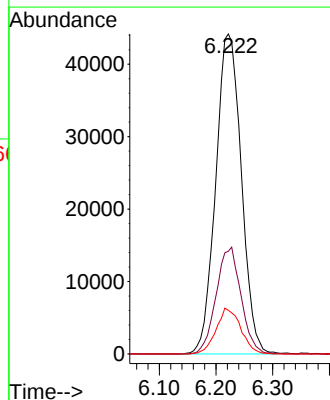
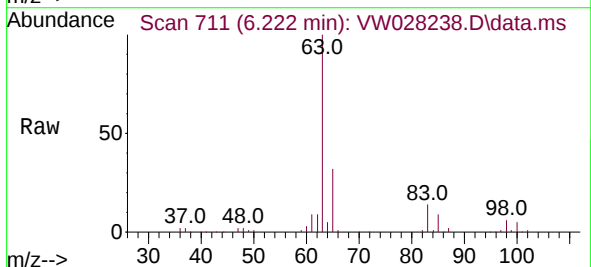
Instrument :
MSVOA_W
ClientSampleId :

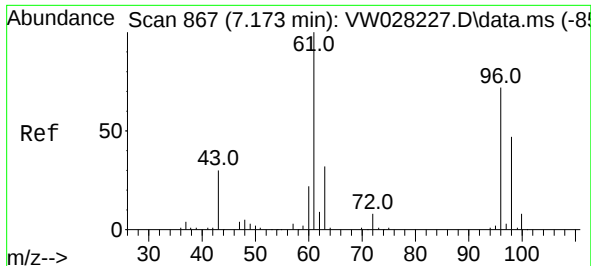
Tgt Ion: 73 Resp: 100916
Ion Ratio Lower Upper
73 100
43 22.3 18.2 27.4
57 22.4 17.4 26.2



#19
1,1-Dichloroethane
Concen: 24.317 ug/L
RT: 6.222 min Scan# 711
Delta R.T. -0.000 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

Tgt Ion: 63 Resp: 138794
Ion Ratio Lower Upper
63 100
65 32.1 22.1 41.1
83 13.6 9.0 16.6





#20

cis-1,2-Dichloroethene

Concen: 24.375 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

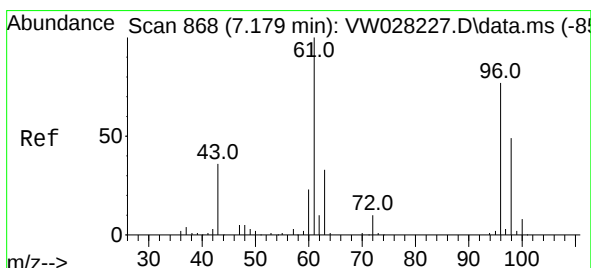
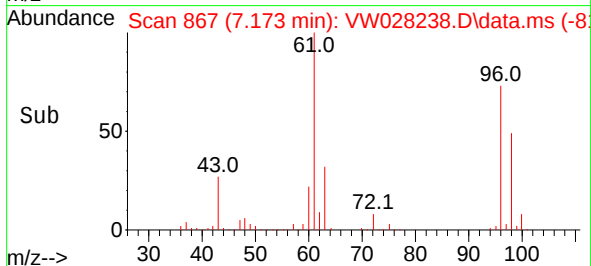
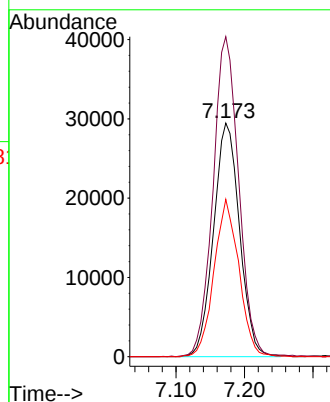
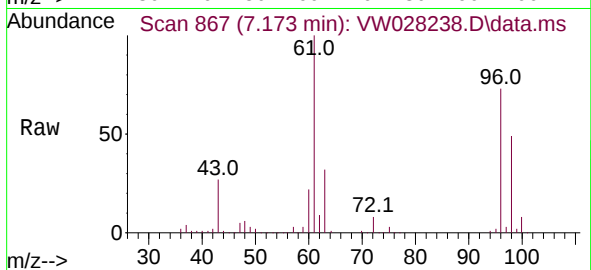
Tgt Ion: 96 Resp: 77613

Ion Ratio Lower Upper

96 100

61 137.0 95.7 177.7

98 67.3 43.9 81.5



#22

2-Butanone

Concen: 35.164 ug/L

RT: 7.179 min Scan# 868

Delta R.T. -0.000 min

Lab File: VW028238.D

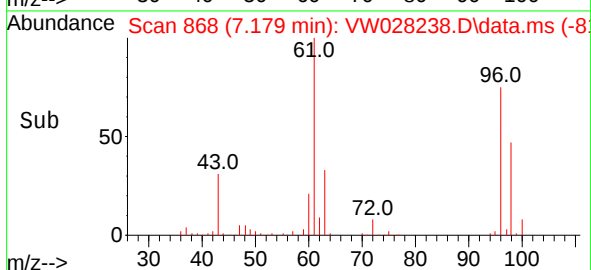
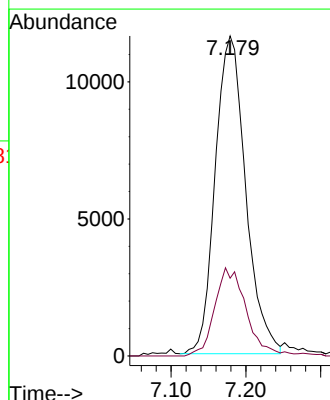
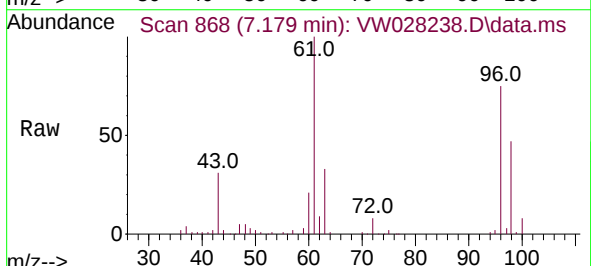
Acq: 25 Mar 2024 09:22

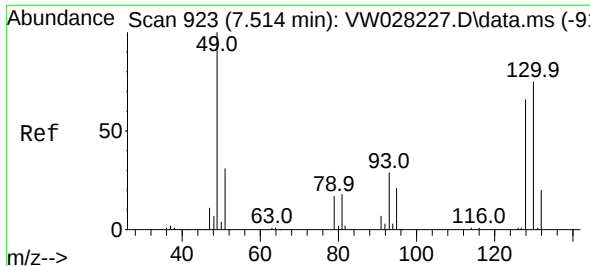
Tgt Ion: 43 Resp: 32865

Ion Ratio Lower Upper

43 100

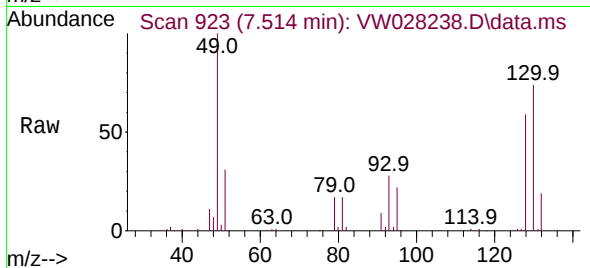
72 28.3 12.8 38.4



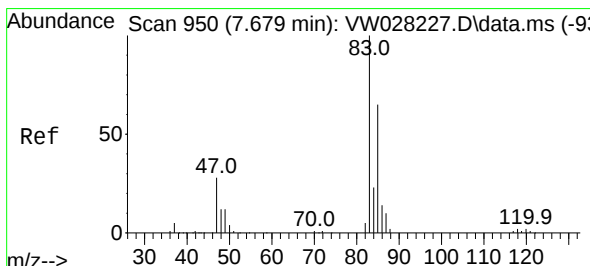
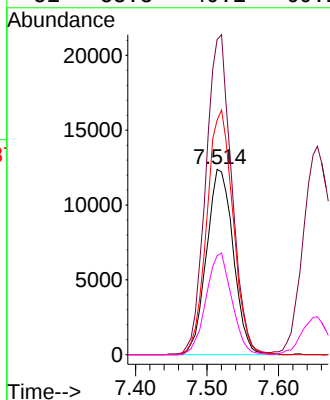
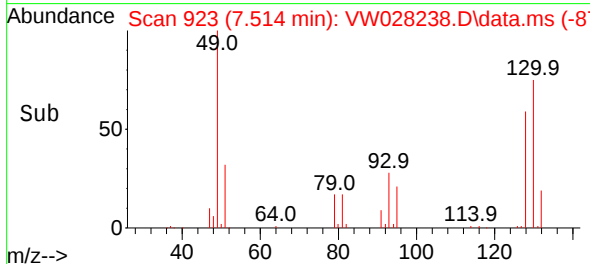


#23
Bromochloromethane
Concen: 22.874 ug/L
RT: 7.514 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

Instrument :
MSVOA_W
ClientSampleId :

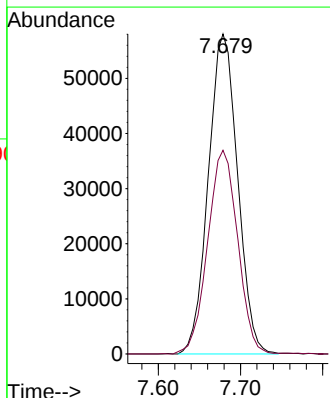
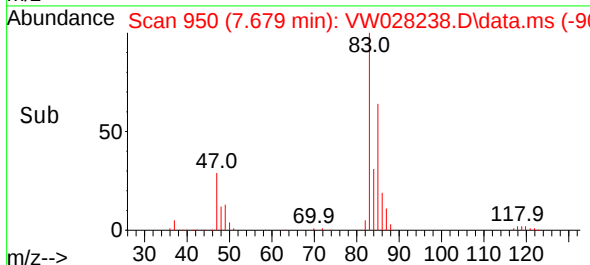
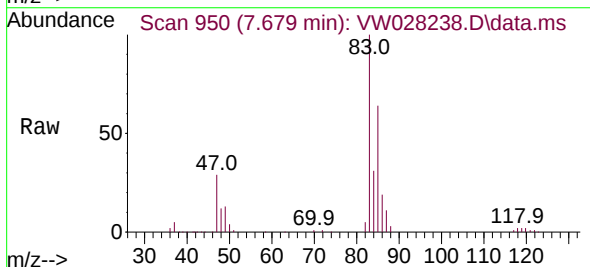


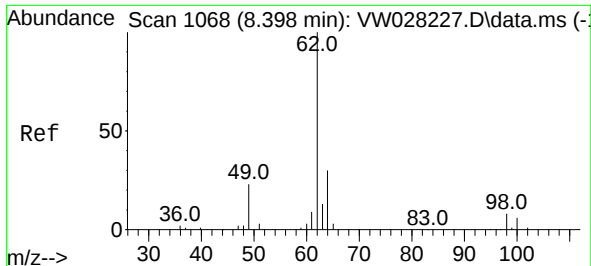
Tgt Ion:128 Resp: 32199
Ion Ratio Lower Upper
128 100
49 169.9 116.6 216.6
130 126.5 80.1 148.7
51 53.3 40.1 60.1



#25
Chloroform
Concen: 24.453 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

Tgt Ion: 83 Resp: 143685
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7





#27

1,2-Dichloroethane

Concen: 21.886 ug/L

RT: 8.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

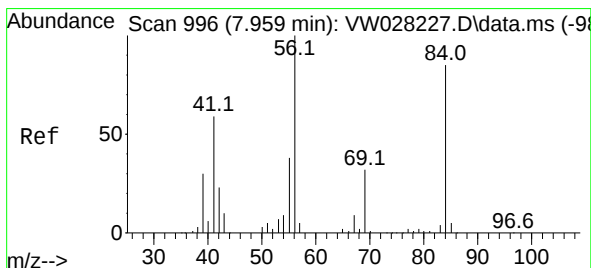
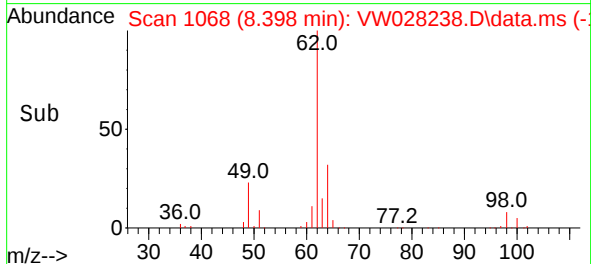
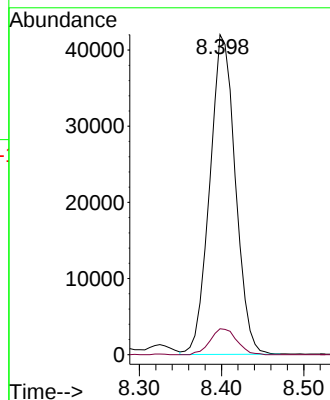
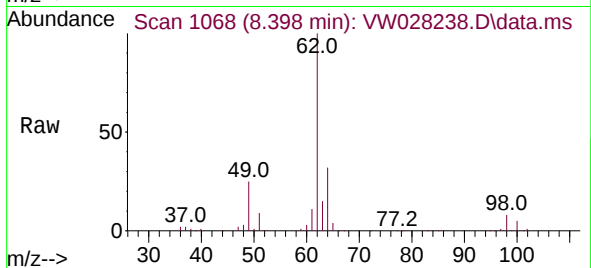
ClientSampleId :

Tgt Ion: 62 Resp: 90818

Ion Ratio Lower Upper

62 100

98 8.1 5.9 8.9



#29

Cyclohexane

Concen: 25.226 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

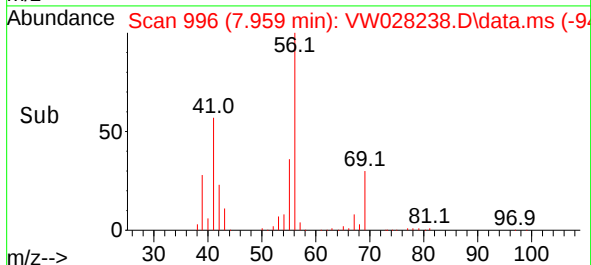
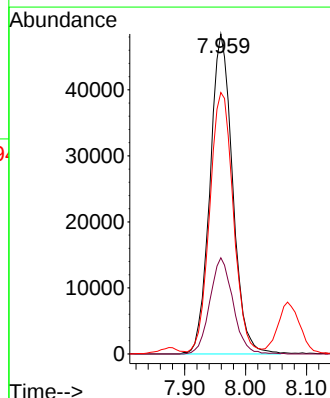
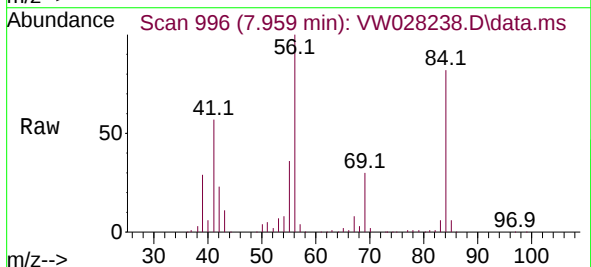
Tgt Ion: 56 Resp: 125066

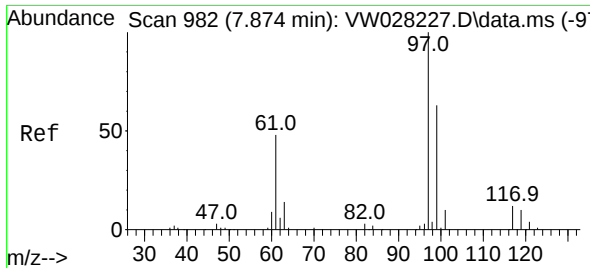
Ion Ratio Lower Upper

56 100

69 30.6 24.0 36.0

84 85.6 68.4 102.6

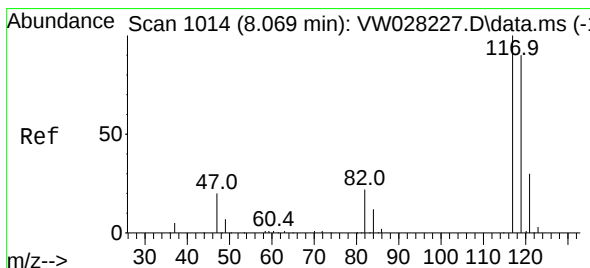
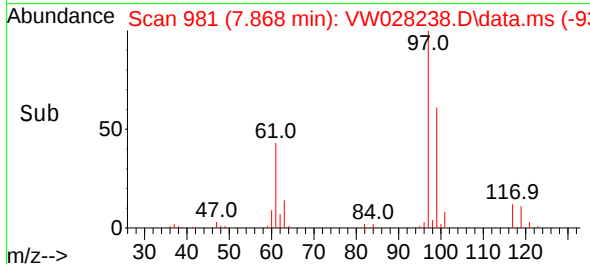
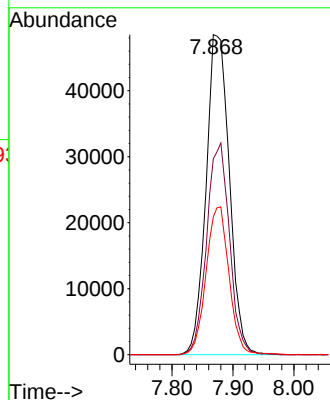
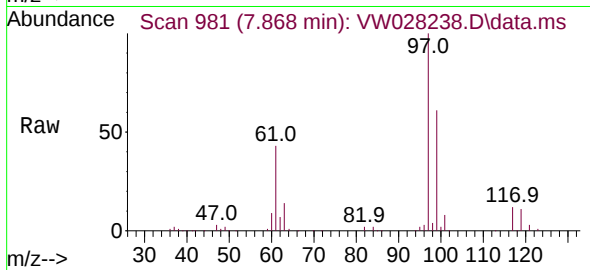




#30
1,1,1-Trichloroethane
Concen: 25.913 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

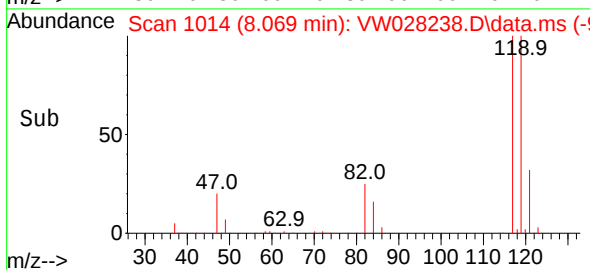
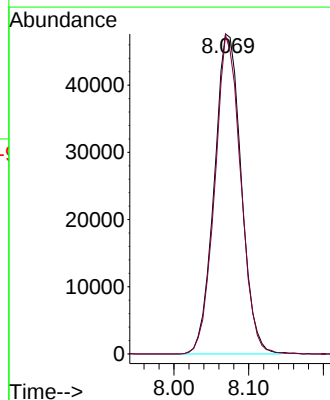
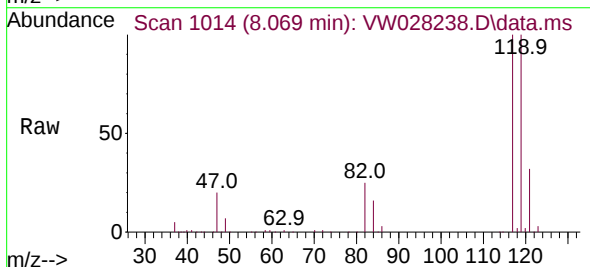
Instrument :
MSVOA_W
ClientSampleId :

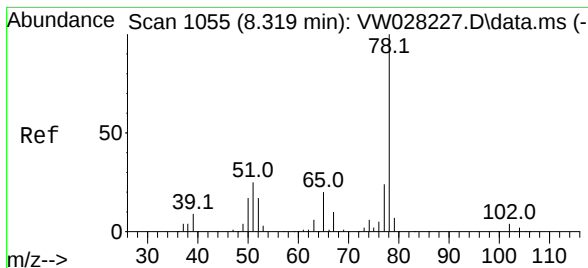
Tgt Ion: 97 Resp: 129113
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 45.2 37.0 55.6



#31
Carbon tetrachloride
Concen: 25.516 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW028238.D
Acq: 25 Mar 2024 09:22

Tgt Ion: 117 Resp: 119253
Ion Ratio Lower Upper
117 100
119 95.9 78.2 117.4





#33

Benzene

Concen: 25.616 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW028238.D

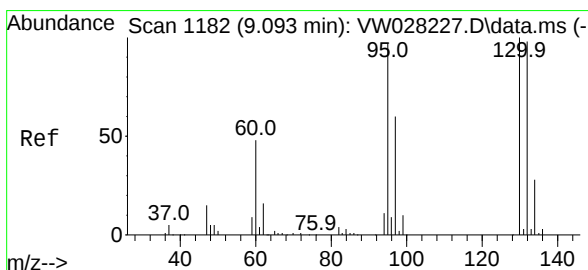
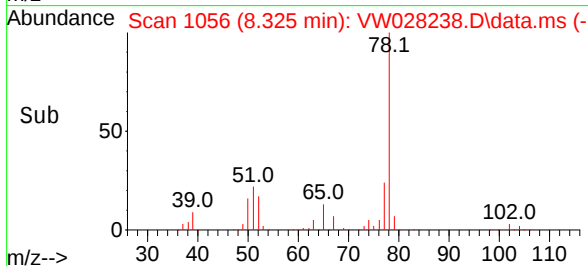
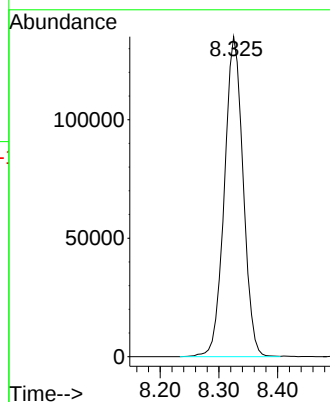
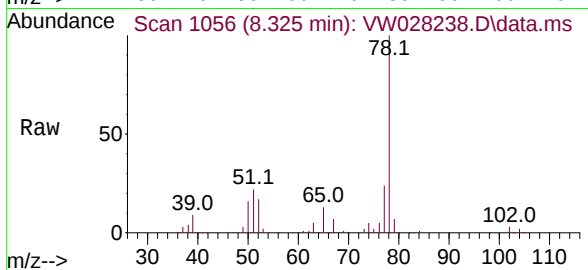
Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 299619



#34

Trichloroethene

Concen: 25.882 ug/L

RT: 9.093 min Scan# 1182

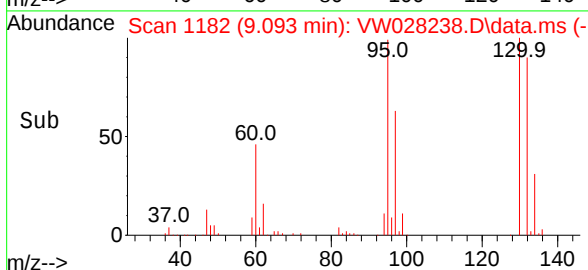
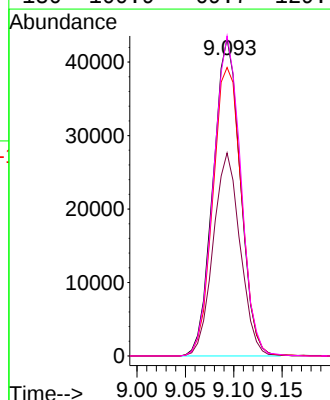
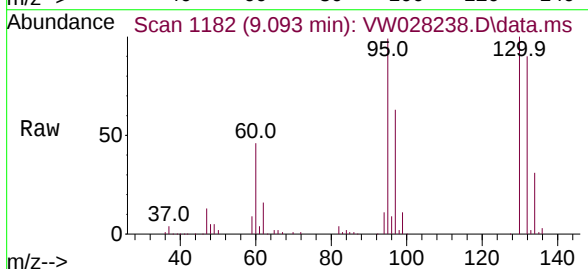
Delta R.T. -0.000 min

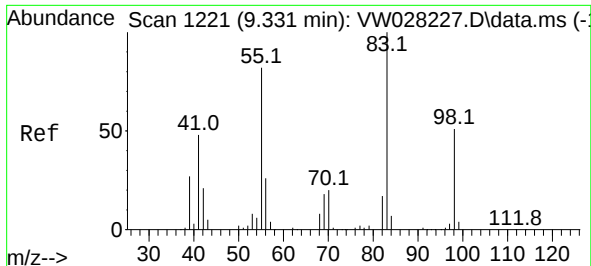
Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Tgt Ion: 95 Resp: 84461

Ion	Ratio	Lower	Upper
95	100		
97	64.0	42.4	78.6
132	90.9	69.4	128.8
130	100.9	69.7	129.4





#35

Methylcyclohexane

Concen: 25.187 ug/L

RT: 9.337 min Scan# 1221

Delta R.T. 0.006 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

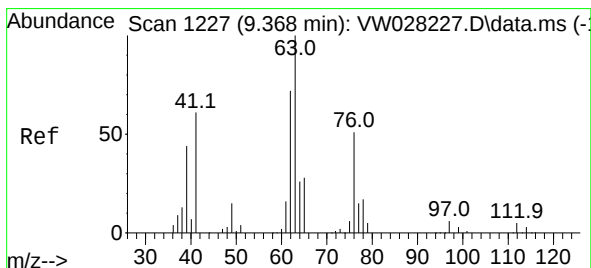
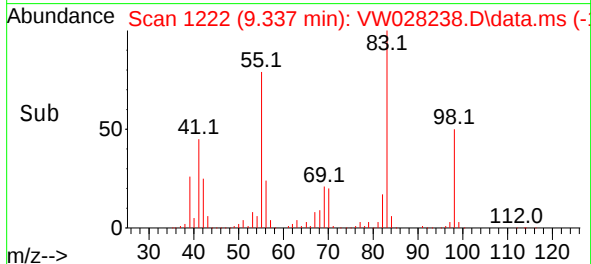
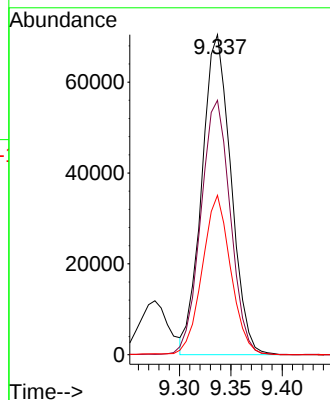
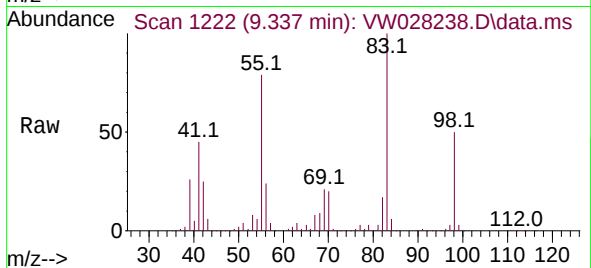
Tgt Ion: 83 Resp: 138933

Ion Ratio Lower Upper

83 100

55 80.6 64.2 96.4

98 48.6 38.3 57.5



#37

1,2-Dichloropropane

Concen: 25.382 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW028238.D

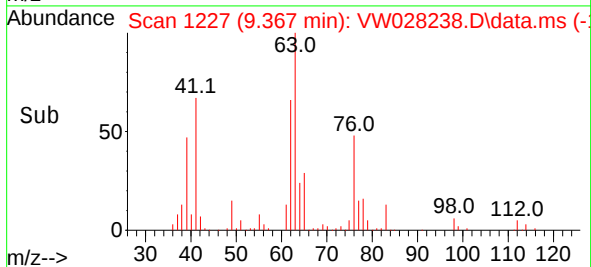
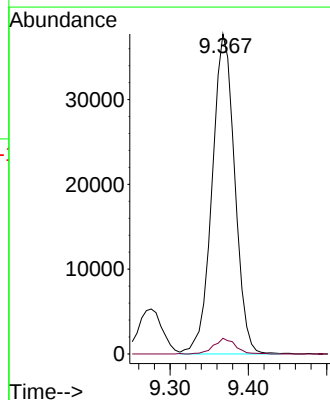
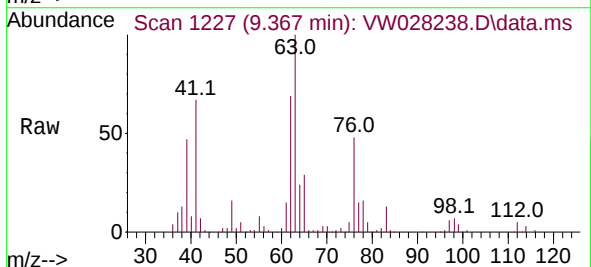
Acq: 25 Mar 2024 09:22

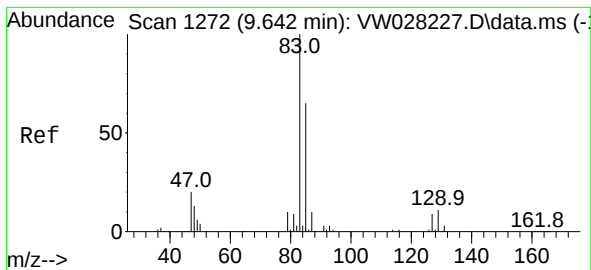
Tgt Ion: 63 Resp: 75936

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8





#38

Bromodichloromethane

Concen: 24.948 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

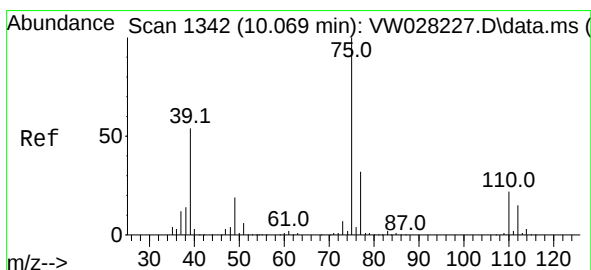
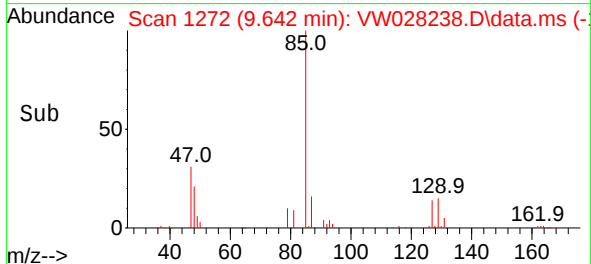
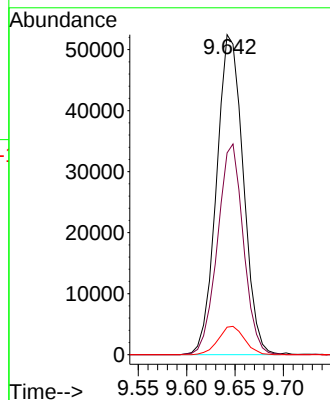
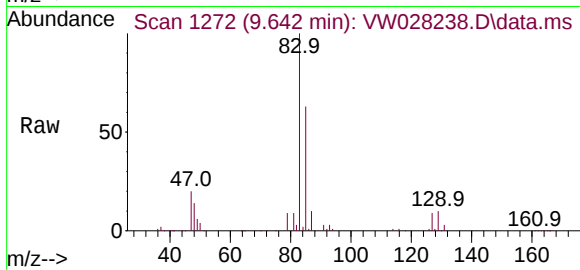
Tgt Ion: 83 Resp: 100630

Ion Ratio Lower Upper

83 100

85 63.0 45.8 85.2

127 8.6 6.5 9.7



#39

cis-1,3-Dichloropropene

Concen: 24.618 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW028238.D

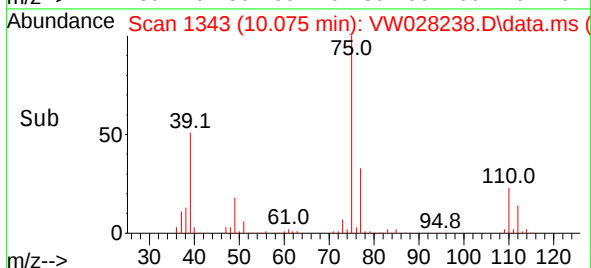
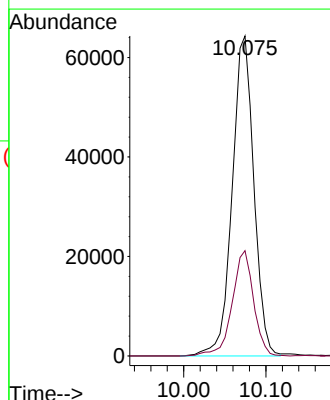
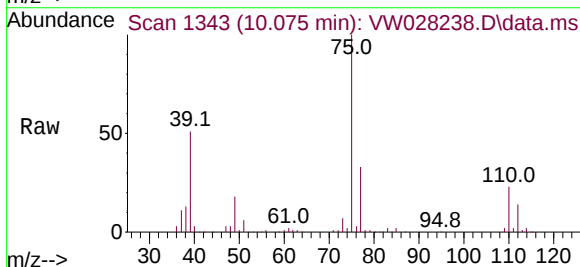
Acq: 25 Mar 2024 09:22

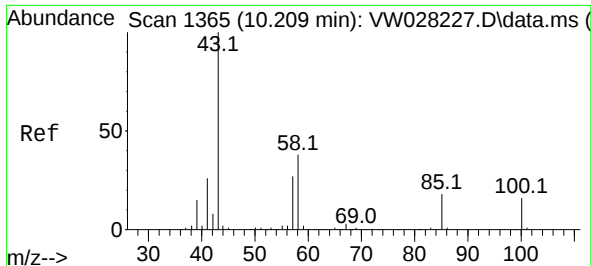
Tgt Ion: 75 Resp: 117951

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.7





#40

4-Methyl-2-pentanone

Concen: 38.925 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

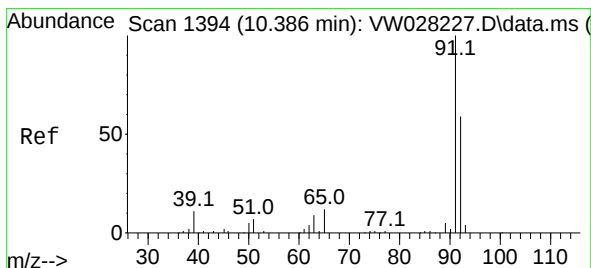
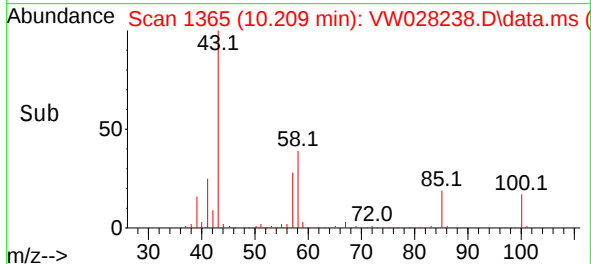
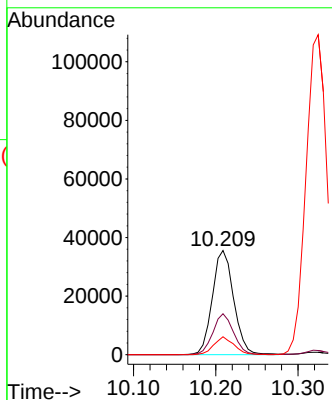
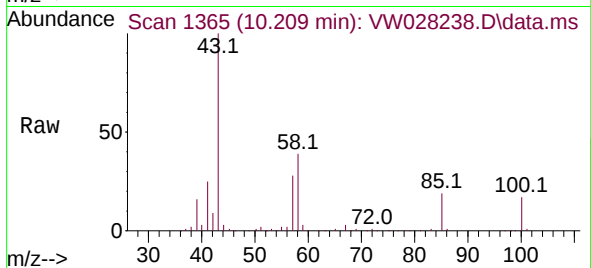
Tgt Ion: 43 Resp: 64282

Ion Ratio Lower Upper

43 100

58 38.3 30.1 45.1

100 16.1 11.8 17.8



#42

Toluene

Concen: 25.166 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW028238.D

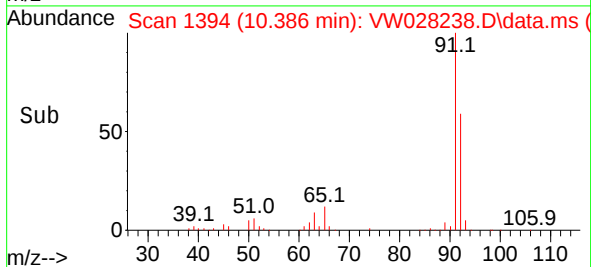
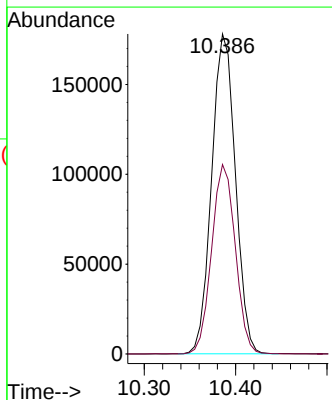
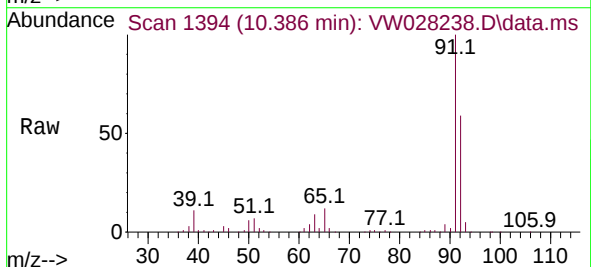
Acq: 25 Mar 2024 09:22

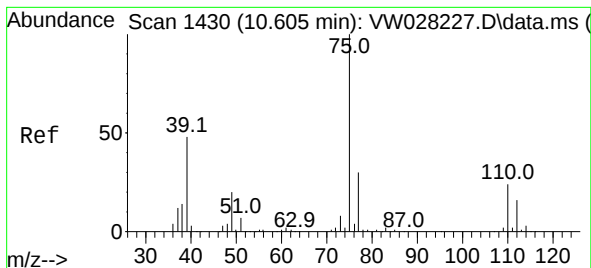
Tgt Ion: 91 Resp: 321263

Ion Ratio Lower Upper

91 100

92 59.2 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 24.113 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

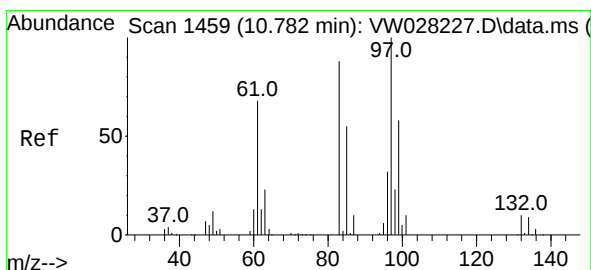
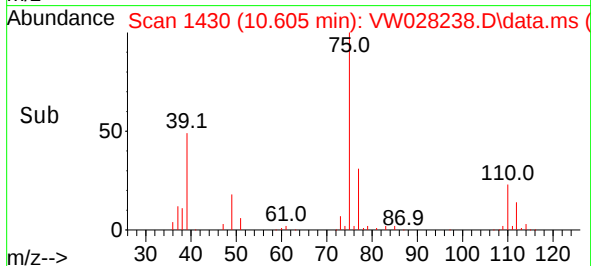
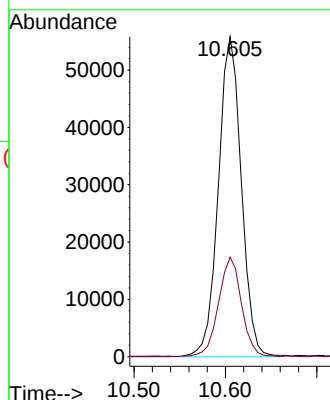
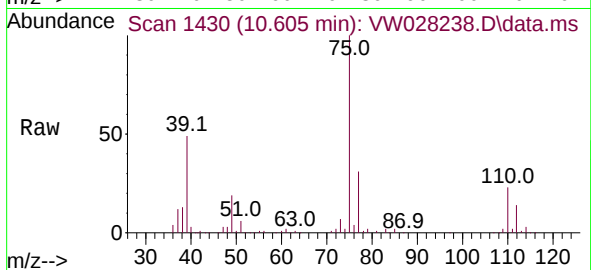
ClientSampleId :

Tgt Ion: 75 Resp: 97542

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.6



#45

1,1,2-Trichloroethane

Concen: 23.257 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Tgt Ion: 97 Resp: 50272

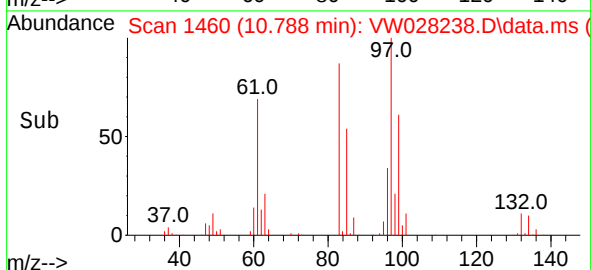
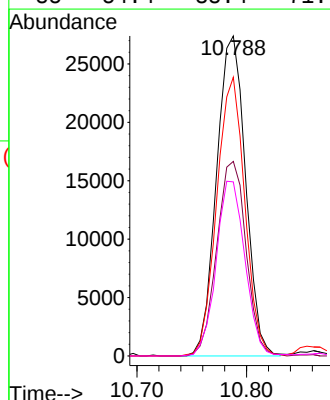
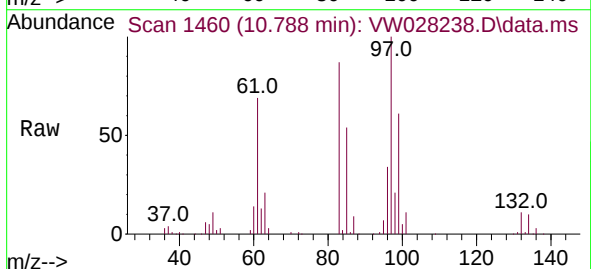
Ion Ratio Lower Upper

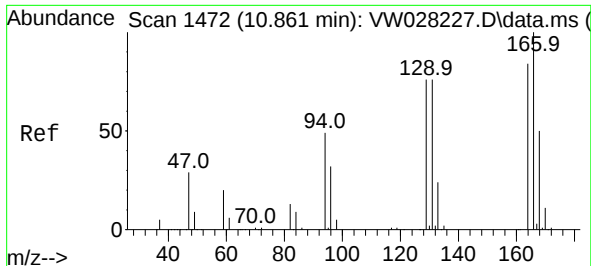
97 100

99 60.8 43.4 80.6

83 87.1 59.4 110.4

85 54.4 38.4 71.4





#46

Tetrachloroethene

Concen: 25.024 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

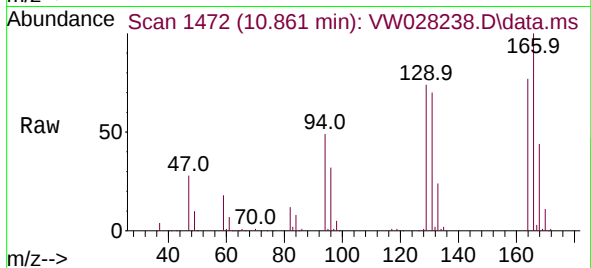
Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp: 65826

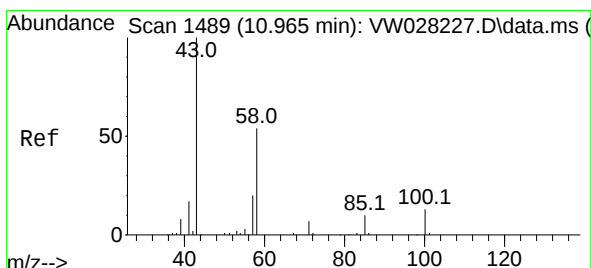
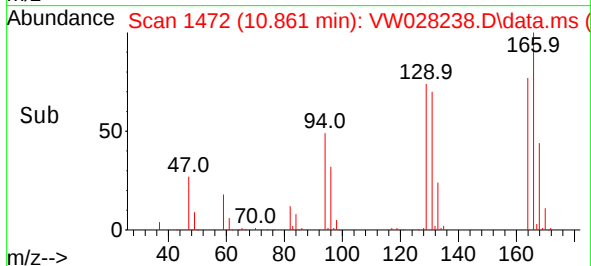
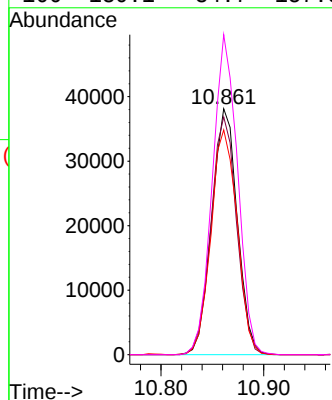
Ion Ratio Lower Upper

164 100

129 96.6 64.0 119.0

131 91.4 62.6 116.3

166 130.1 84.7 157.3



#48

2-Hexanone

Concen: 39.655 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Tgt Ion: 43 Resp: 51298

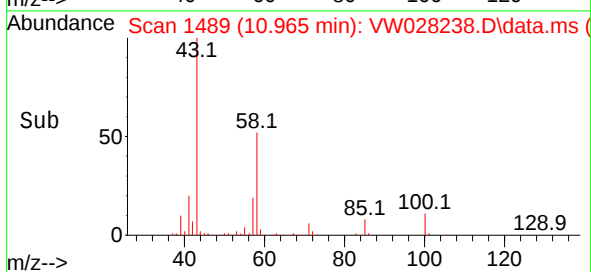
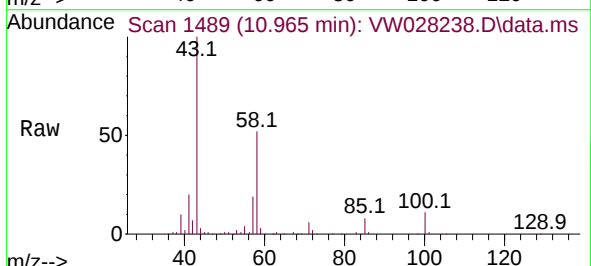
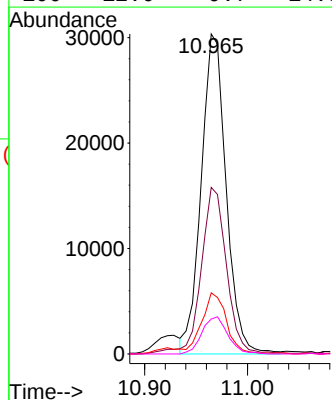
Ion Ratio Lower Upper

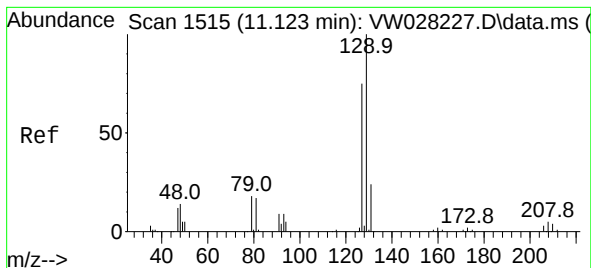
43 100

58 51.9 40.6 61.0

57 18.7 15.7 23.5

100 12.0 9.7 14.5





#49

Dibromochloromethane

Concen: 23.179 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

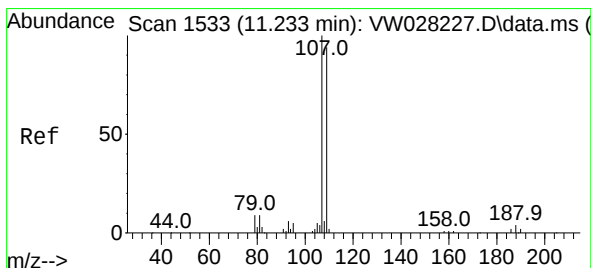
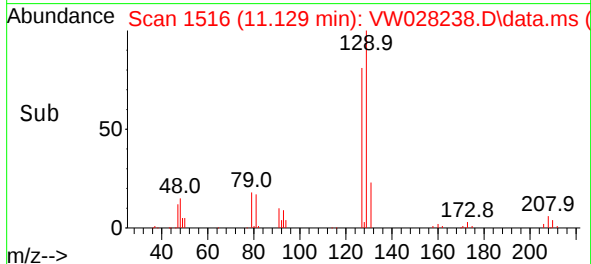
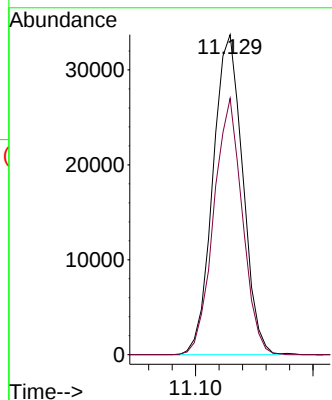
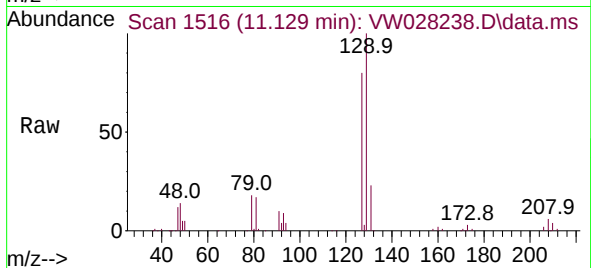
ClientSampleId :

Tgt Ion:129 Resp: 59338

Ion Ratio Lower Upper

129 100

127 80.1 53.1 98.7



#50

1,2-Dibromoethane

Concen: 22.638 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

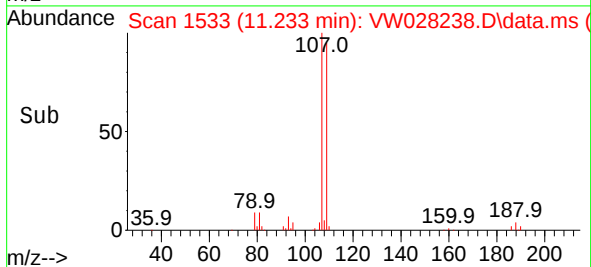
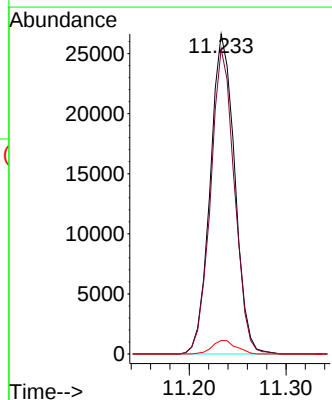
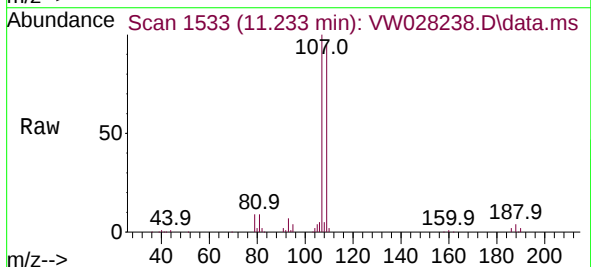
Tgt Ion:107 Resp: 46791

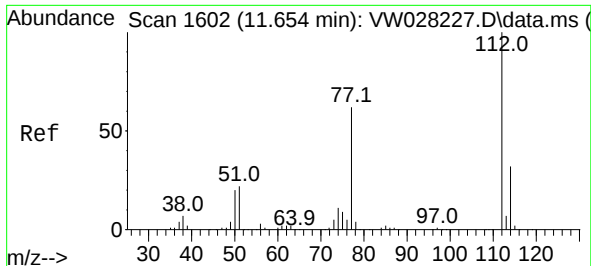
Ion Ratio Lower Upper

107 100

109 95.4 64.4 119.6

188 4.2 3.4 5.2





#51

Chlorobenzene

Concen: 25.063 ug/L

RT: 11.654 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

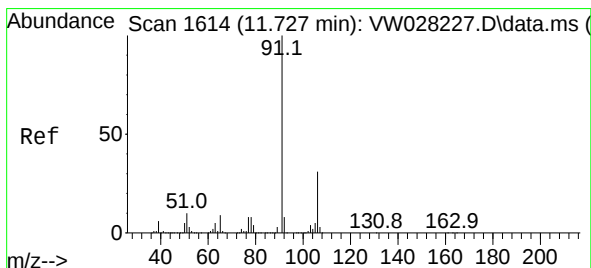
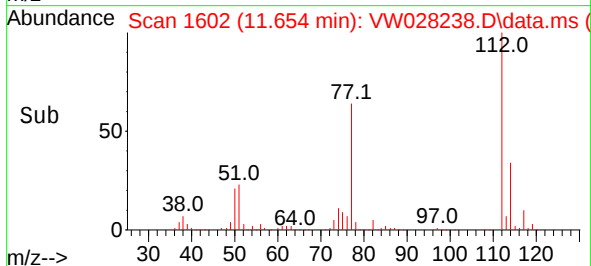
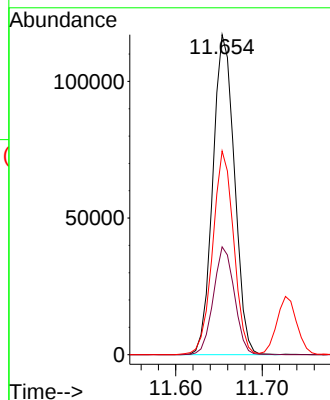
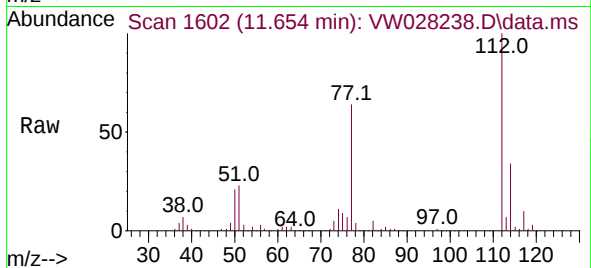
Tgt Ion:112 Resp: 203074

Ion Ratio Lower Upper

112 100

114 33.7 21.8 40.6

77 63.7 50.6 76.0



#52

Ethylbenzene

Concen: 25.728 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW028238.D

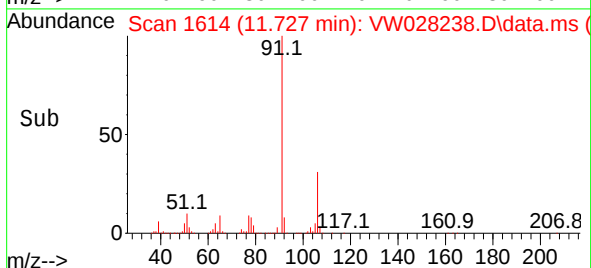
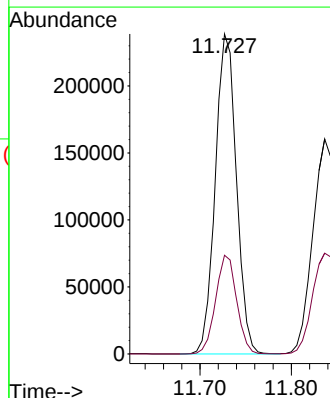
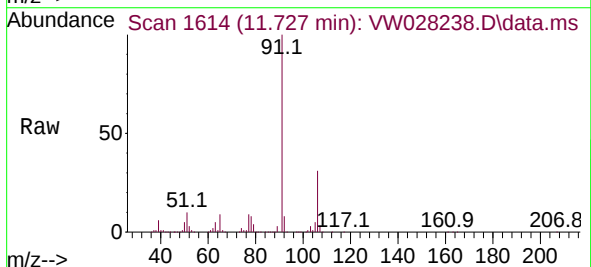
Acq: 25 Mar 2024 09:22

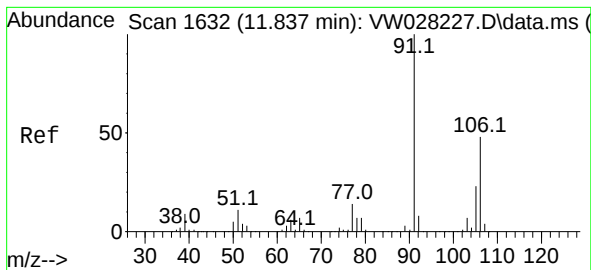
Tgt Ion: 91 Resp: 383405

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5





#53

m,p-Xylene

Concen: 25.934 ug/L

RT: 11.836 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

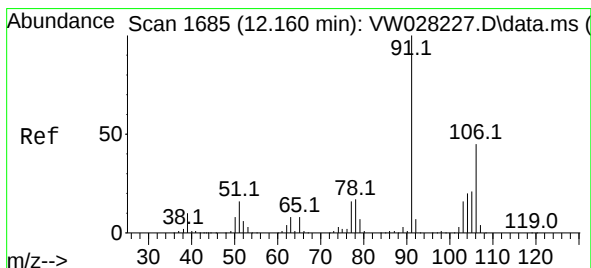
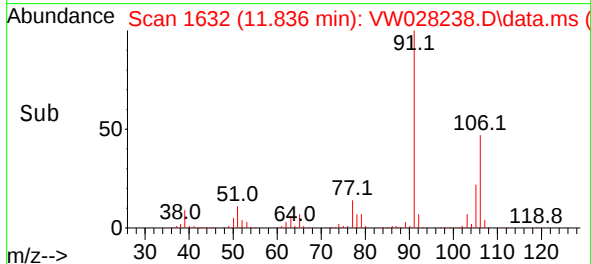
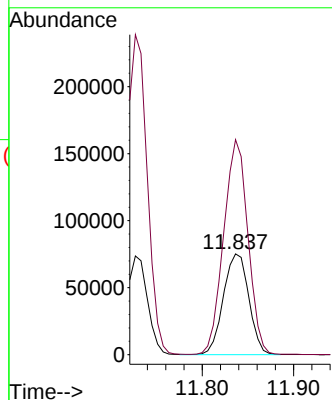
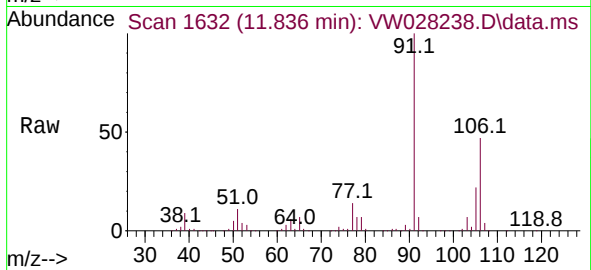
ClientSampleId :

Tgt Ion:106 Resp: 145432

Ion Ratio Lower Upper

106 100

91 213.3 147.1 273.1



#54

o-Xylene

Concen: 25.905 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW028238.D

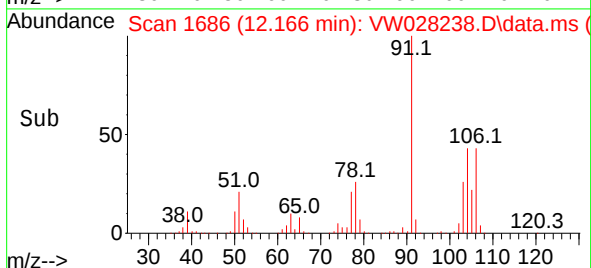
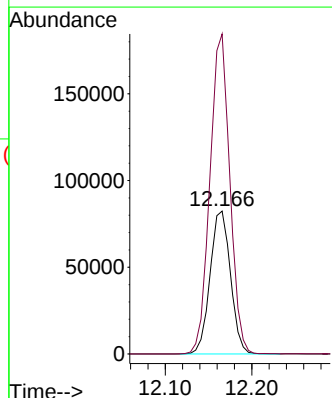
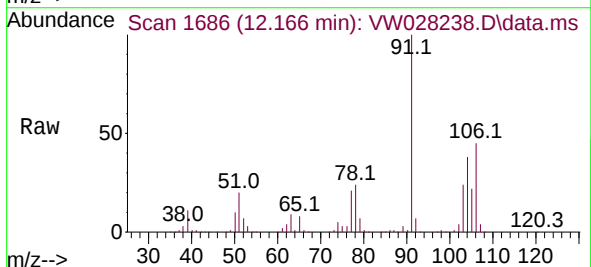
Acq: 25 Mar 2024 09:22

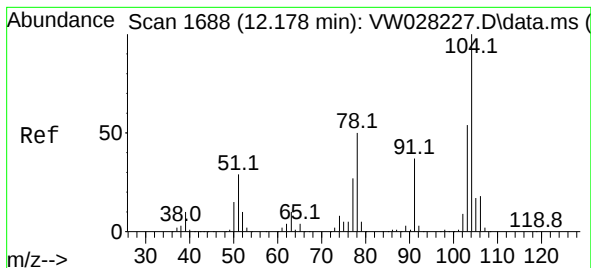
Tgt Ion:106 Resp: 134716

Ion Ratio Lower Upper

106 100

91 224.1 149.2 277.2





#55

Styrene

Concen: 25.791 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

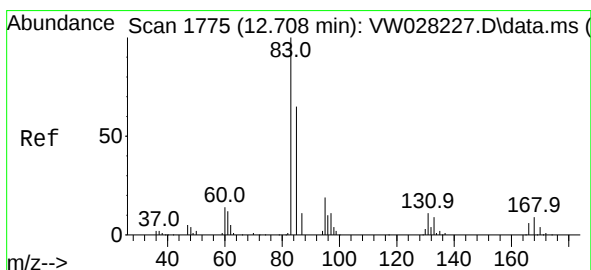
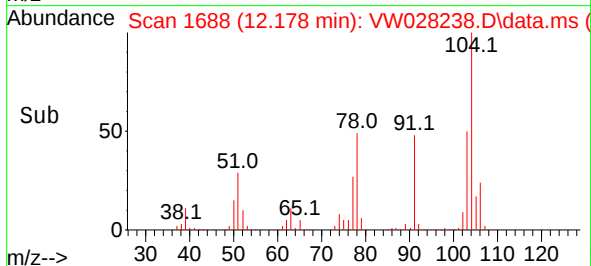
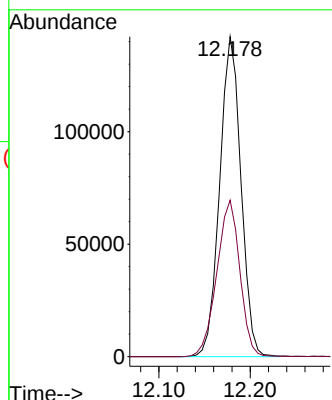
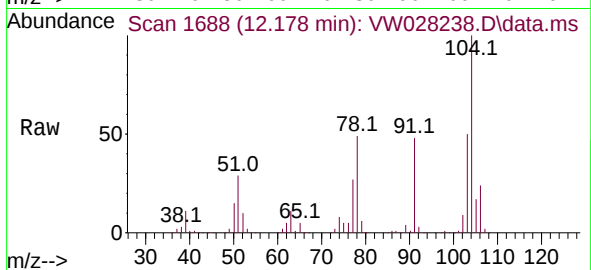
ClientSampleId :

Tgt Ion:104 Resp: 230384

Ion Ratio Lower Upper

104 100

78 48.9 33.2 61.7



#57

1,1,2,2-Tetrachloroethane

Concen: 21.564 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

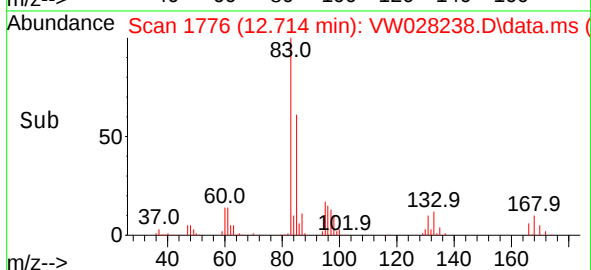
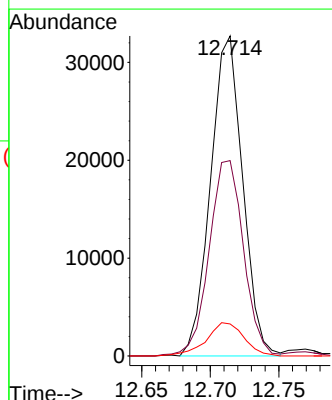
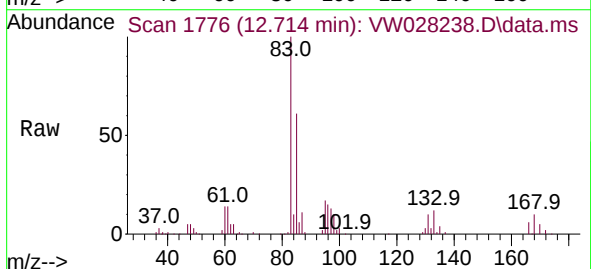
Tgt Ion: 83 Resp: 53316

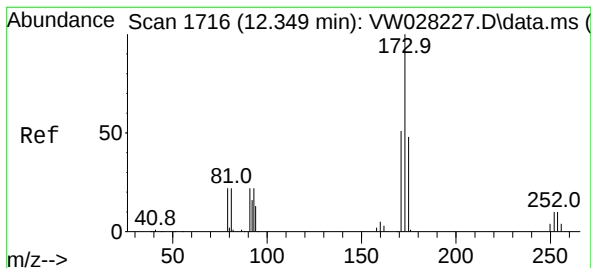
Ion Ratio Lower Upper

83 100

85 61.0 47.0 87.2

131 10.0 8.9 13.3





#59

Bromoform

Concen: 22.969 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW028238.D

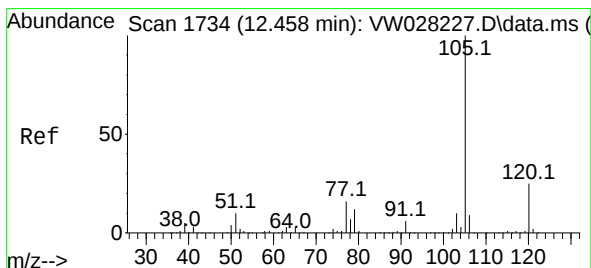
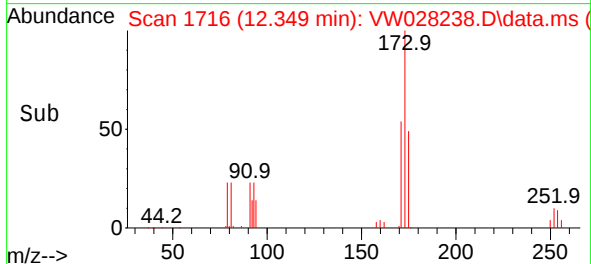
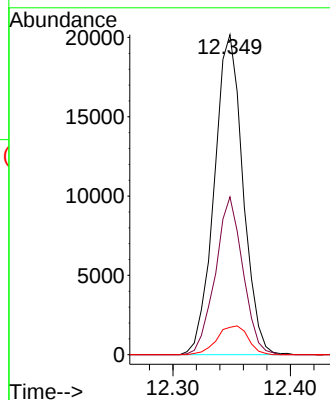
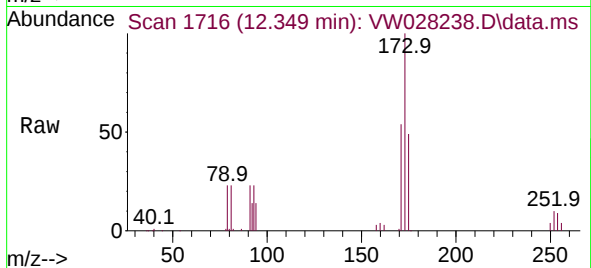
Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:173	Resp:	34235
Ion Ratio	Lower	Upper
173	100	
175	47.3	39.8 59.6
254	9.8	8.5 12.7



#60

Isopropylbenzene

Concen: 26.353 ug/L

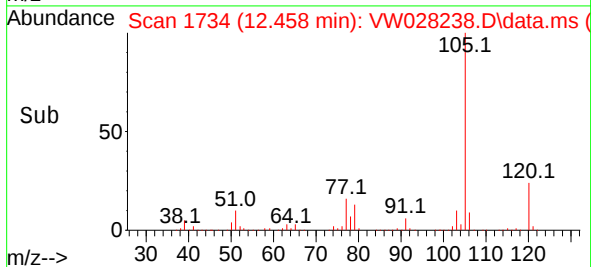
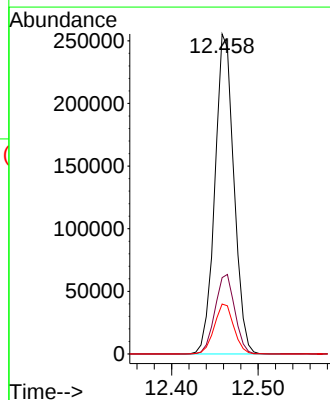
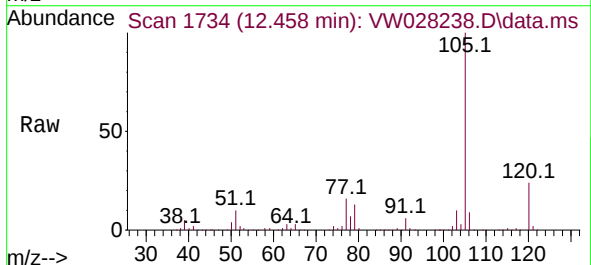
RT: 12.458 min Scan# 1734

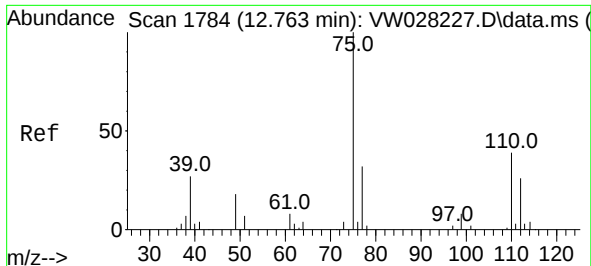
Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Tgt Ion:105	Resp:	389463
Ion Ratio	Lower	Upper
105	100	
120	25.8	21.0 31.6
77	16.0	13.7 20.5





#61

1,2,3-Trichloropropane

Concen: 20.640 ug/L

RT: 12.763 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028238.D

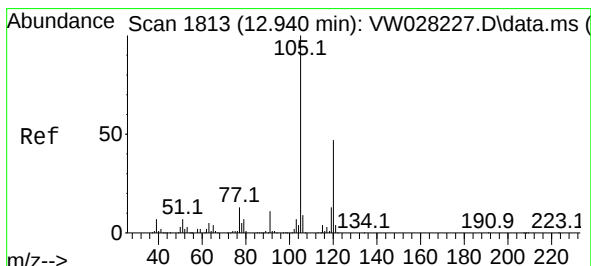
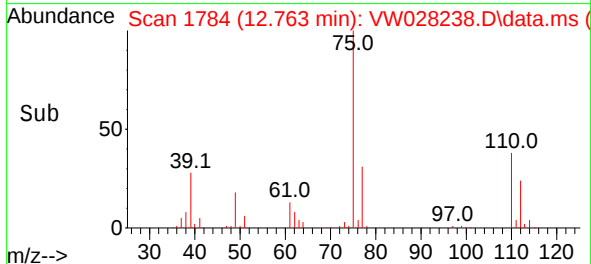
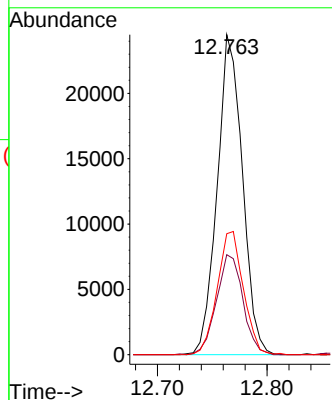
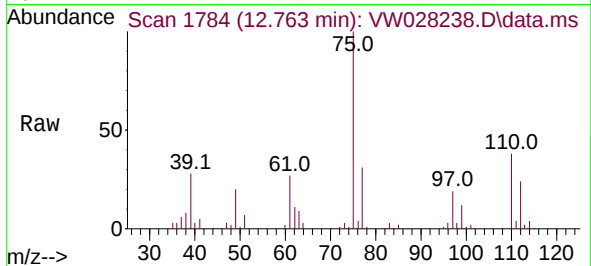
Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	39182
Ion Ratio	Lower	Upper	
75	100		
77	32.7	26.0	39.0
110	39.9	32.2	48.2



#62

1,3,5-Trimethylbenzene

Concen: 26.024 ug/L

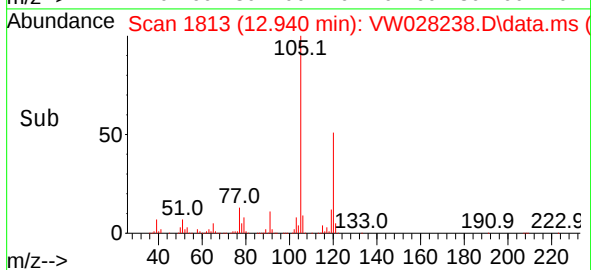
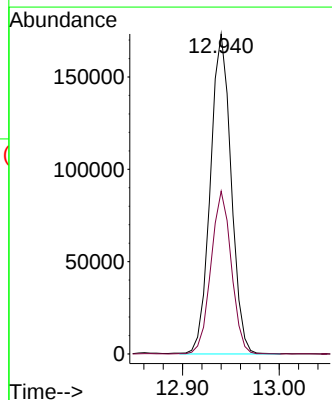
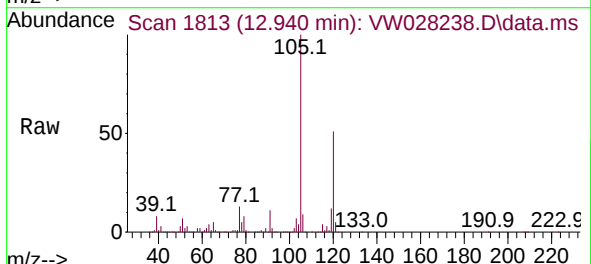
RT: 12.940 min Scan# 1813

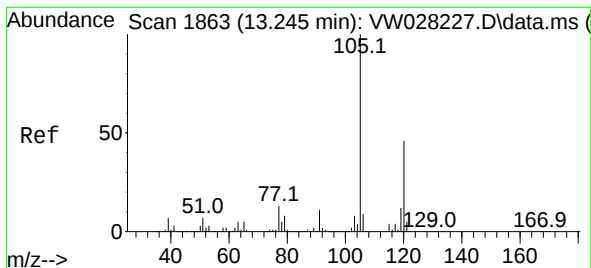
Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Tgt Ion:	105	Resp:	258052
Ion Ratio	Lower	Upper	
105	100		
120	49.8	38.2	57.2





#63

1,2,4-Trimethylbenzene

Concen: 26.352 ug/L

RT: 13.245 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

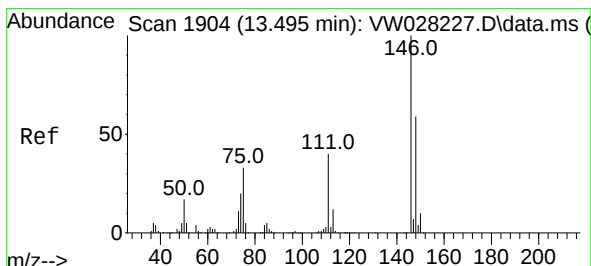
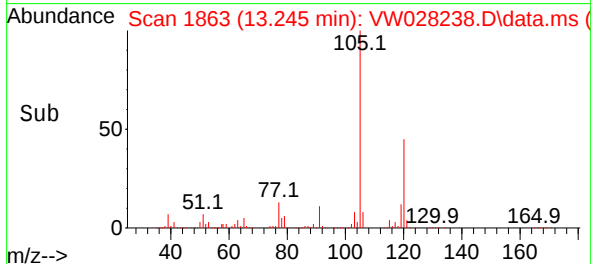
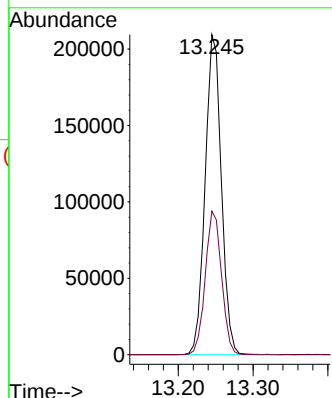
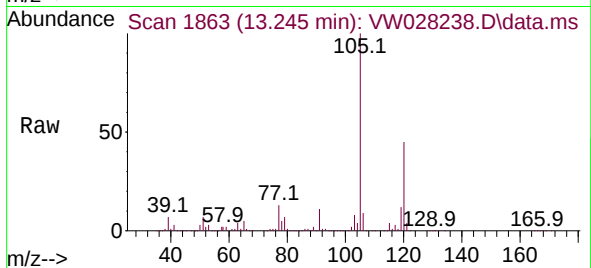
ClientSampleId :

Tgt Ion:105 Resp: 315529

Ion Ratio Lower Upper

105 100

120 45.0 35.6 53.4



#64

1,3-Dichlorobenzene

Concen: 25.638 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

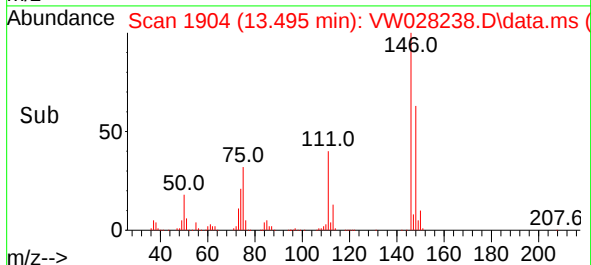
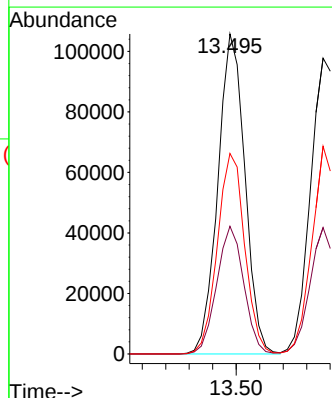
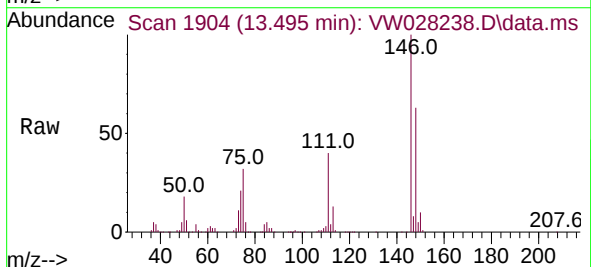
Tgt Ion:146 Resp: 169033

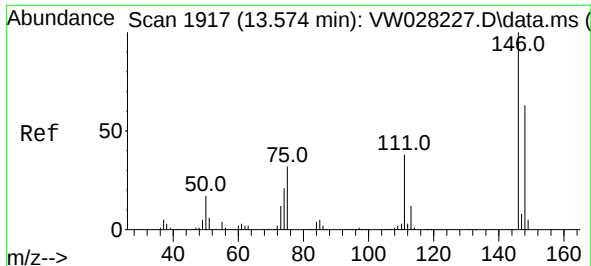
Ion Ratio Lower Upper

146 100

111 39.9 28.5 52.9

148 62.6 43.0 80.0





#65

1,4-Dichlorobenzene

Concen: 24.753 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

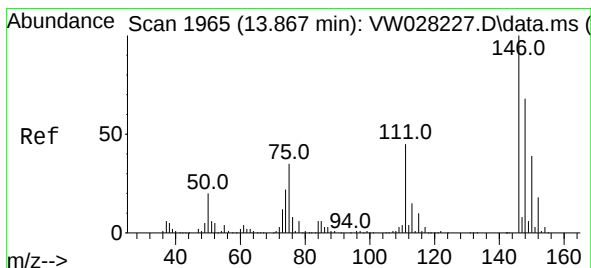
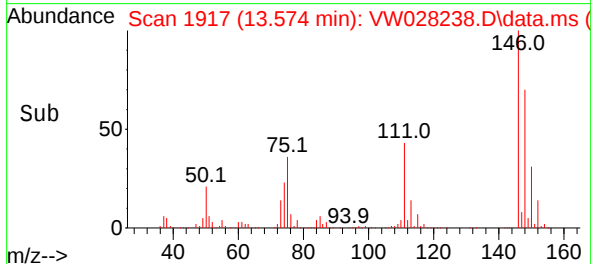
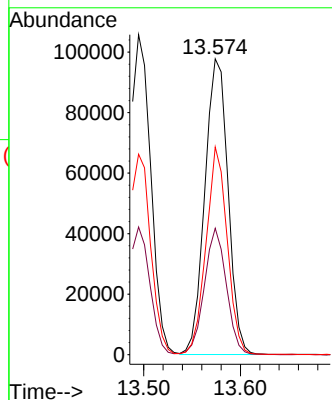
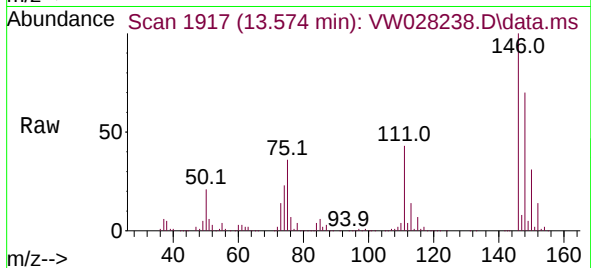
Tgt Ion:146 Resp: 163191

Ion Ratio Lower Upper

146 100

111 42.7 28.8 53.6

148 70.2 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 25.477 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

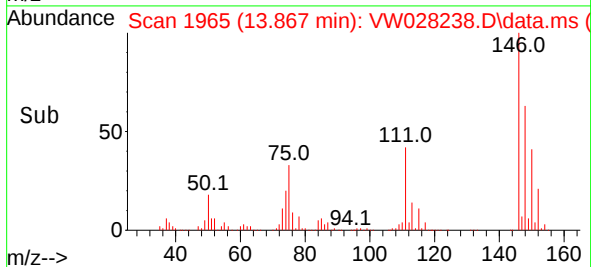
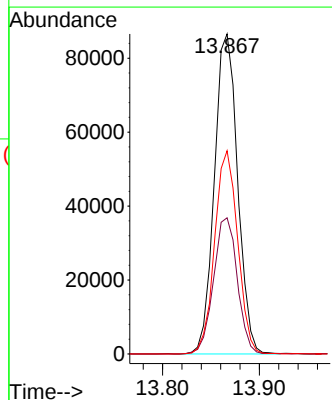
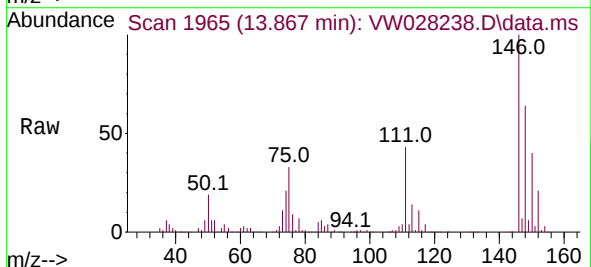
Tgt Ion:146 Resp: 144652

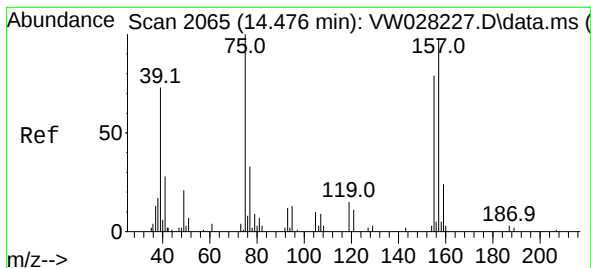
Ion Ratio Lower Upper

146 100

111 42.6 34.2 51.2

148 63.5 48.1 72.1





#68

1,2-Dibromo-3-chloropropane

Concen: 20.133 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

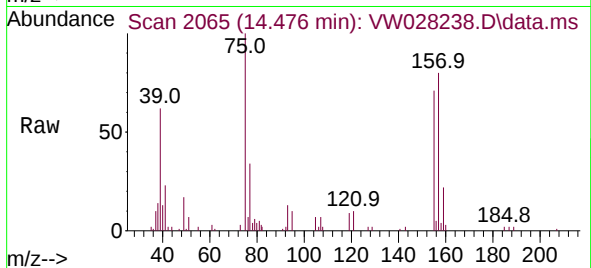
Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :



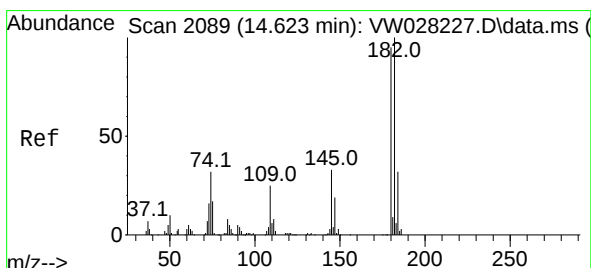
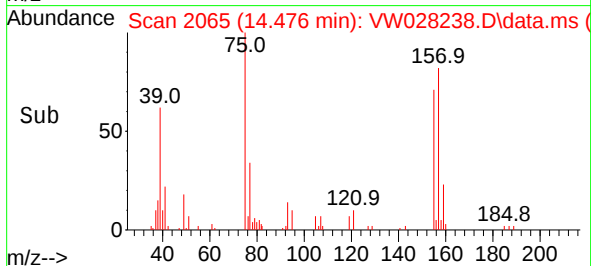
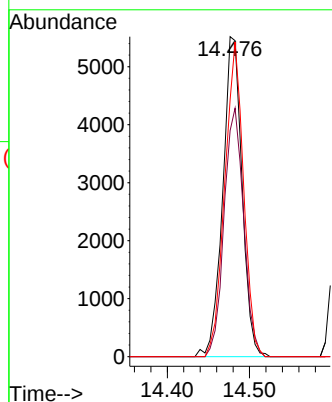
Tgt Ion: 75 Resp: 8978

Ion Ratio Lower Upper

75 100

155 70.6 61.1 91.7

157 80.3 74.2 111.4



#69

1,3,5-Trichlorobenzene

Concen: 26.661 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Tgt Ion:180 Resp: 122441

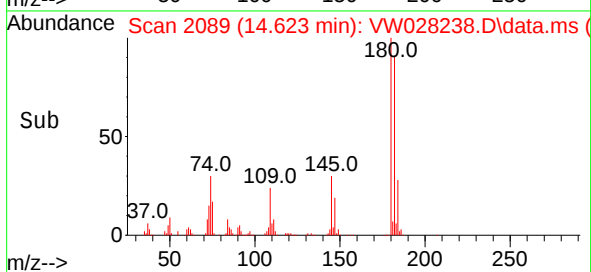
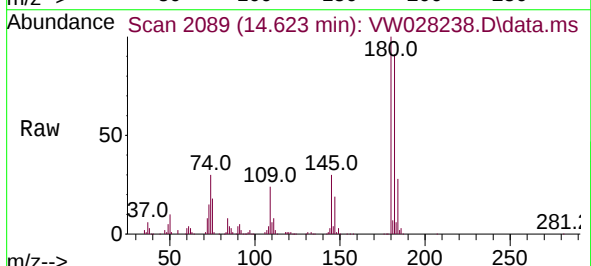
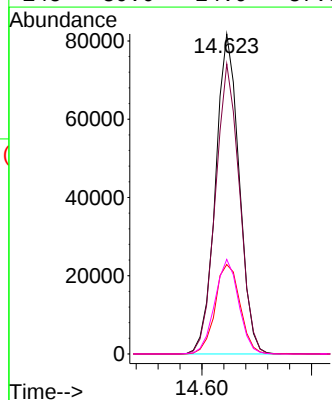
Ion Ratio Lower Upper

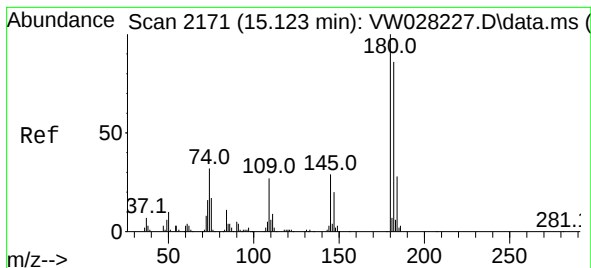
180 100

182 92.1 76.6 114.8

184 29.5 23.5 35.3

145 30.0 24.9 37.3





#70

1,2,4-trichlorobenzene

Concen: 24.840 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

Instrument :

MSVOA_W

ClientSampleId :

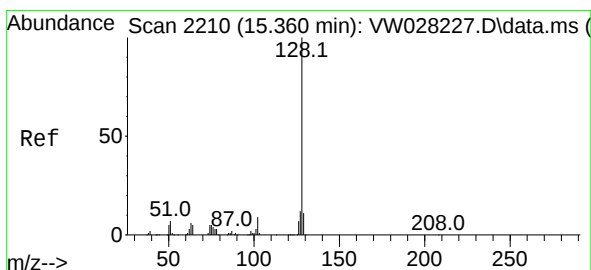
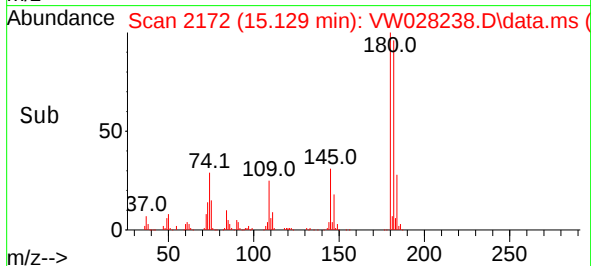
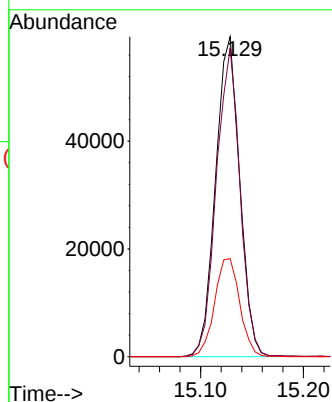
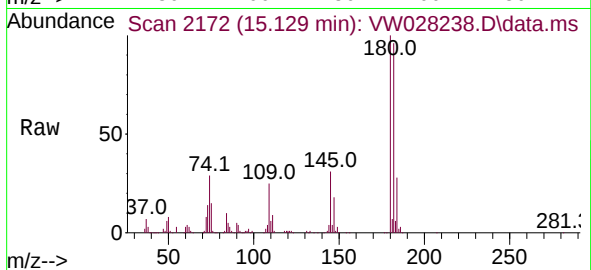
Tgt Ion:180 Resp: 96915

Ion Ratio Lower Upper

180 100

182 94.5 73.8 110.8

145 31.9 25.0 37.6



#71

Naphthalene

Concen: 21.886 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW028238.D

Acq: 25 Mar 2024 09:22

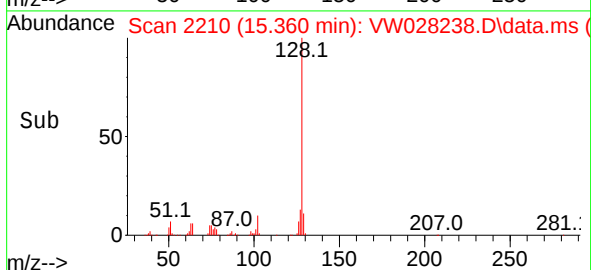
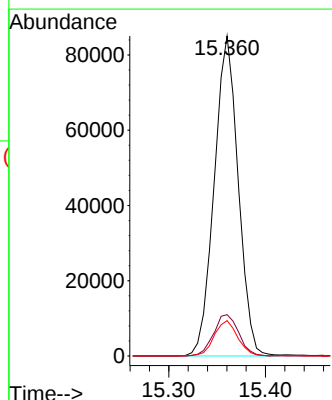
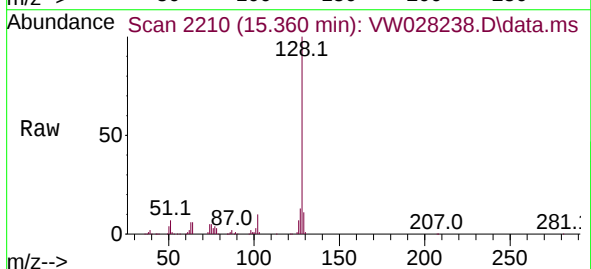
Tgt Ion:128 Resp: 146560

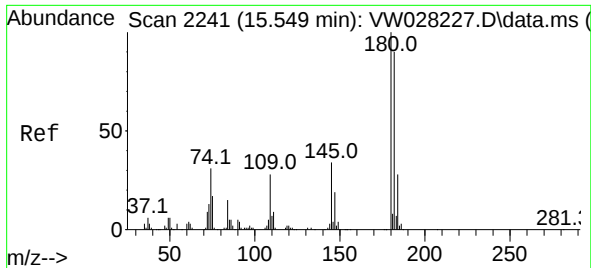
Ion Ratio Lower Upper

128 100

127 13.5 10.9 16.3

129 10.8 8.9 13.3





#72
 1,2,3-Trichlorobenzene
 Concen: 24.948 ug/L
 RT: 15.543 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW028238.D
 Acq: 25 Mar 2024 09:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:180 Resp: 80242
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.0 114.0
 145 31.3 27.1 40.7

