

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032024\
 Data File : VW028211.D
 Acq On : 20 Mar 2024 11:00
 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 21 01:08:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 18 01:23:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	198735	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	178892	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	97631	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	50576	21.750	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.000%
7) Chloroethane-d5	2.905	69	38461	23.675	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.680%
11) 1,1-Dichloroethene-d2	4.027	65	34738	23.558	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.240%
21) 2-Butanone-d5	7.081	46	33177	48.376	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.760%
24) Chloroform-d	7.648	84	154617	26.384	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.520%
26) 1,2-Dichloroethane-d4	8.301	65	84539	26.178	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.720%
32) Benzene-d6	8.276	84	294259	26.942	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.760%
36) 1,2-Dichloropropane-d6	9.270	67	83561	26.585	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.360%
41) Toluene-d8	10.325	98	268517	26.654	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.600%
43) trans-1,3-Dichloroprop...	10.575	79	38064	26.664	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.640%
47) 2-Hexanone-d5	10.922	63	27462	52.858	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.720%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	60680	26.135	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.560%
66) 1,2-Dichlorobenzene-d4	13.848	152	92139	25.907	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	51858	17.988	ug/L #	86
3) Chloromethane	2.229	50	38380	18.770	ug/L	100
5) Vinyl chloride	2.375	62	48598	21.026	ug/L	97
6) Bromomethane	2.796	94	28493	20.700	ug/L	96
8) Chloroethane	2.936	64	27258	21.941	ug/L	99
9) Trichlorofluoromethane	3.271	101	64567	23.105	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	61944	22.313	ug/L	98
12) 1,1-Dichloroethene	4.045	96	58079	22.631	ug/L	93
13) Acetone	4.143	43	30421	39.950	ug/L	100
14) Carbon disulfide	4.387	76	173324	21.654	ug/L	99
15) Methyl Acetate	4.679	43	22241	18.962	ug/L	96
16) Methylene chloride	4.923	84	61127	20.209	ug/L	97
17) trans-1,2-Dichloroethene	5.435	96	60966	22.354	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	91150	22.152	ug/L #	91
19) 1,1-Dichloroethane	6.222	63	116895	22.140	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	65059	22.088	ug/L	98
22) 2-Butanone	7.173	43	34371	39.755	ug/L	97
23) Bromochloromethane	7.514	128	28319	21.747	ug/L	94
25) Chloroform	7.679	83	121731	22.395	ug/L	97

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 Quant Title : SFAM01.0
 QLast Update : Mon Mar 18 01:23:58 2024
 Response via : Initial Calibration

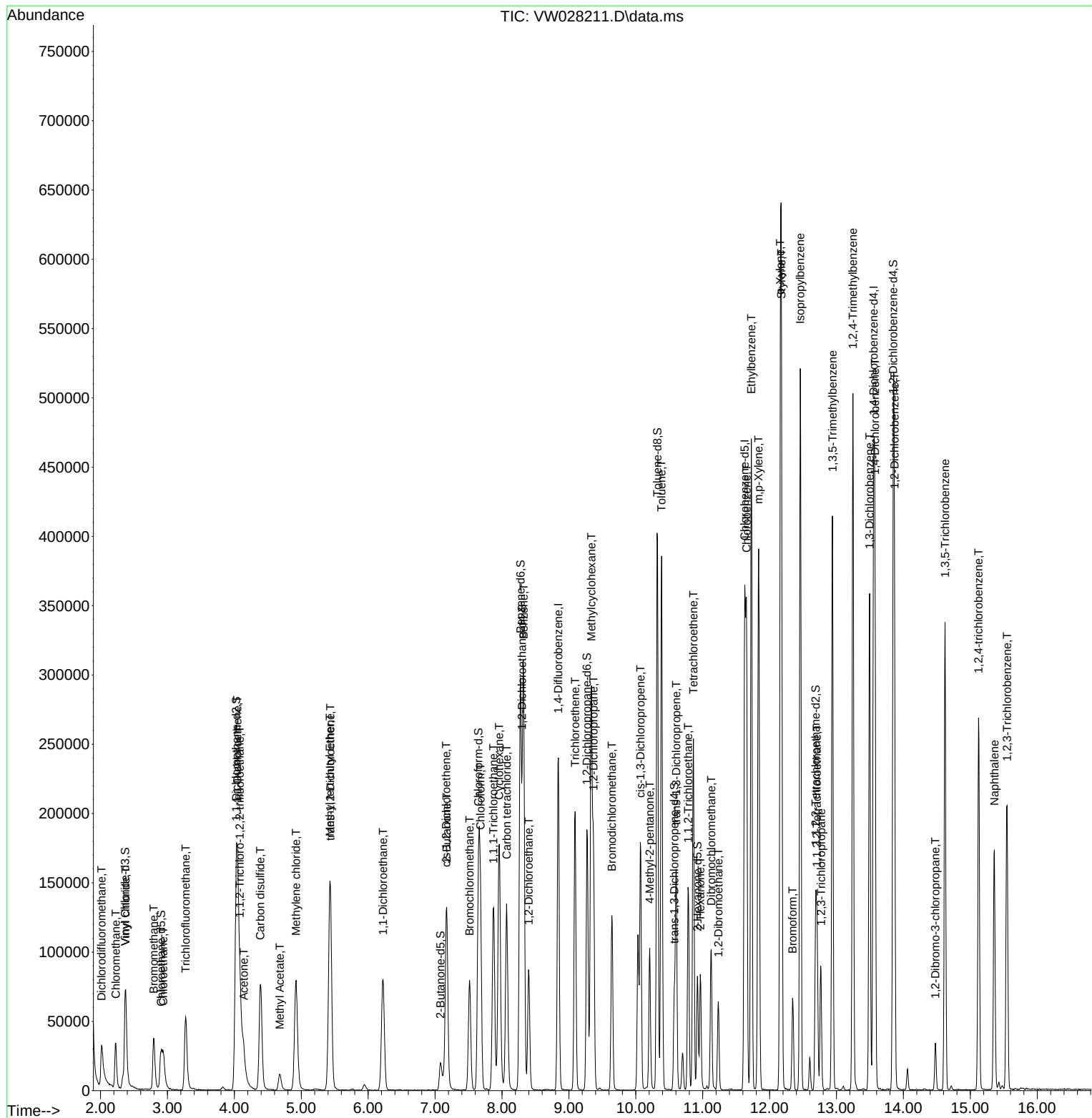
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	82723	21.550	ug/L	97
29) Cyclohexane	7.959	56	104247	22.342	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	109466	23.344	ug/L	99
31) Carbon tetrachloride	8.069	117	100052	22.746	ug/L	100
33) Benzene	8.325	78	250202	22.729	ug/L	100
34) Trichloroethene	9.093	95	70397	22.922	ug/L	96
35) Methylcyclohexane	9.337	83	116438	22.429	ug/L	98
37) 1,2-Dichloropropane	9.367	63	62405	22.163	ug/L	99
38) Bromodichloromethane	9.642	83	85398	22.496	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	101435	22.495	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	64509	41.506	ug/L	98
42) Toluene	10.386	91	272789	22.706	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	86075	22.609	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	44589	21.918	ug/L	97
46) Tetrachloroethene	10.861	164	55250	22.317	ug/L	89
48) 2-Hexanone	10.965	43	51760	42.514	ug/L	96
49) Dibromochloromethane	11.129	129	53177	22.071	ug/L	94
50) 1,2-Dibromoethane	11.233	107	42501	21.849	ug/L	99
51) Chlorobenzene	11.654	112	171522	22.493	ug/L	99
52) Ethylbenzene	11.727	91	320934	22.883	ug/L	98
53) m,p-Xylene	11.837	106	119444	22.632	ug/L	96
54) o-Xylene	12.160	106	114397	23.374	ug/L	100
55) Styrene	12.178	104	194354	23.119	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	50019	21.496	ug/L	99
59) Bromoform	12.343	173	31170	21.306	ug/L	99
60) Isopropylbenzene	12.458	105	324623	22.379	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	36757	19.727	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	222576	22.868	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	259404	22.072	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	142795	22.066	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	141820	21.916	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	123542	22.168	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	8587	19.618	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	98954	21.952	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	82459	21.533	ug/L	93
71) Naphthalene	15.360	128	146459	22.282	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	69890	22.139	ug/L	99

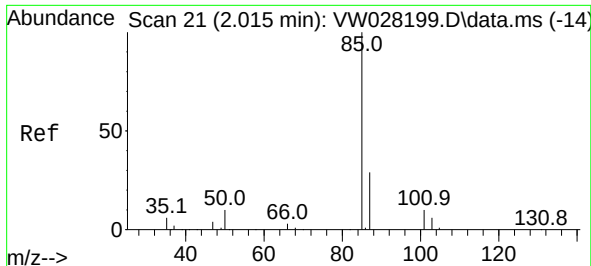
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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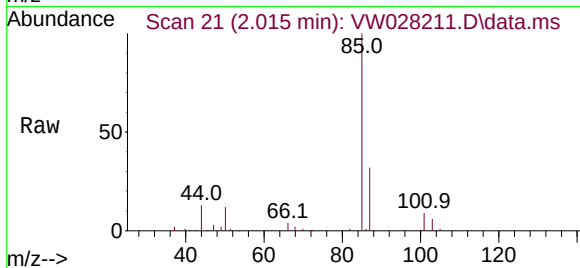
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Response via : Initial Calibration



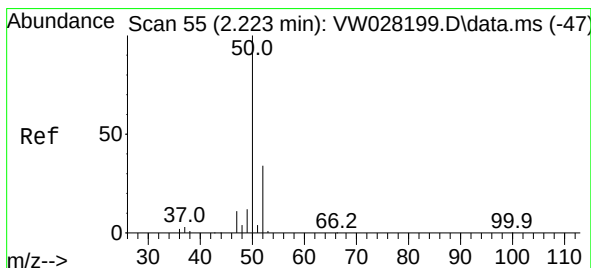
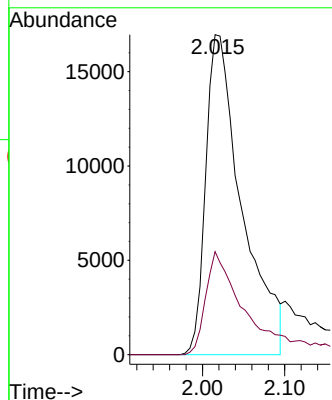
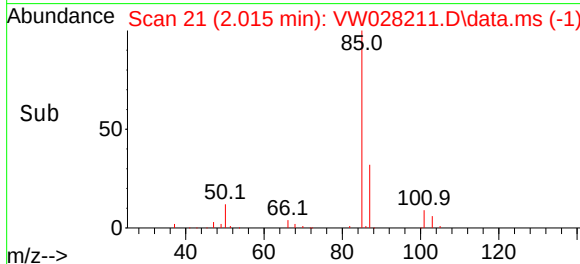


#2
 Dichlorodifluoromethane
 Concen: 17.988 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW028211.D
 Acq: 20 Mar 2024 11:00

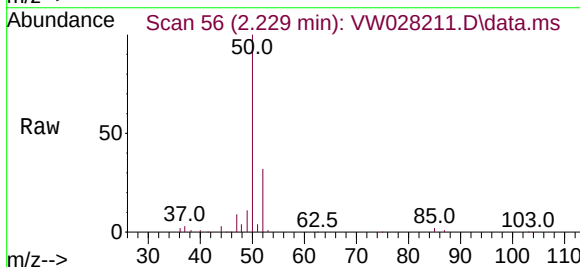
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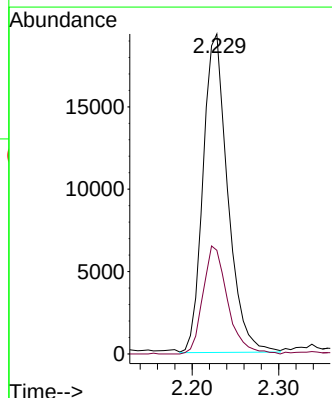
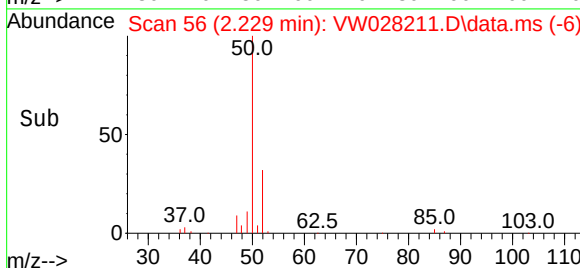
Tgt Ion: 85 Resp: 51858
 Ion Ratio Lower Upper
 85 100
 87 33.1 20.9 31.3#

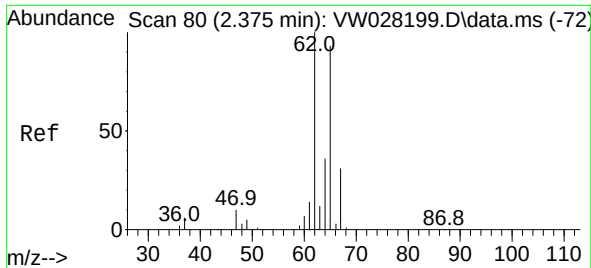


#3
 Chloromethane
 Concen: 18.770 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW028211.D
 Acq: 20 Mar 2024 11:00



Tgt Ion: 50 Resp: 38380
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.7 42.1

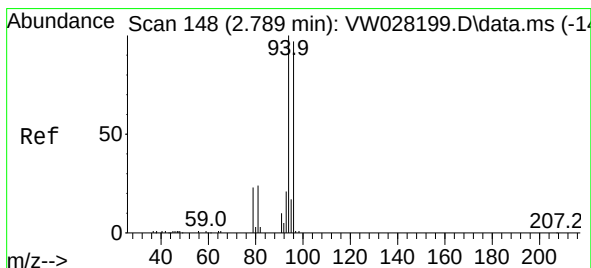
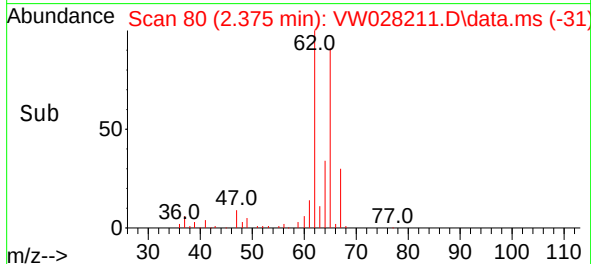
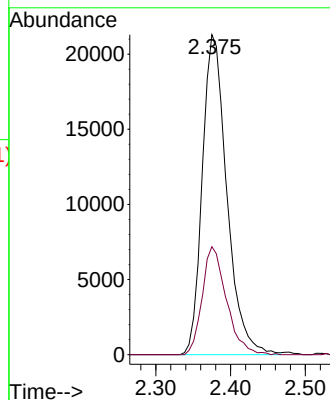
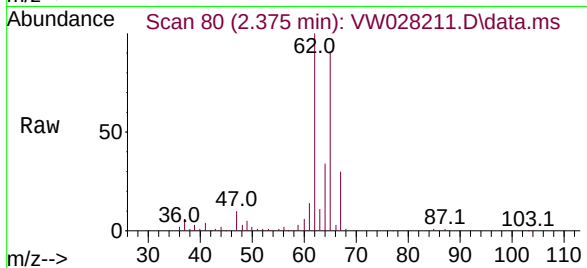




#5
 Vinyl chloride
 Concen: 21.026 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW028211.D
 Acq: 20 Mar 2024 11:00

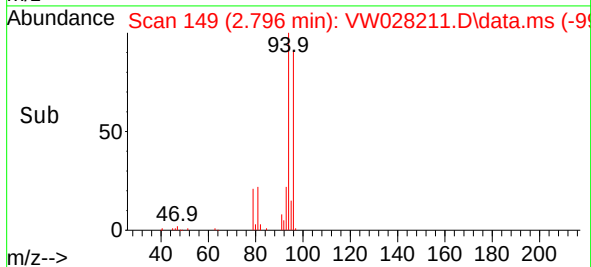
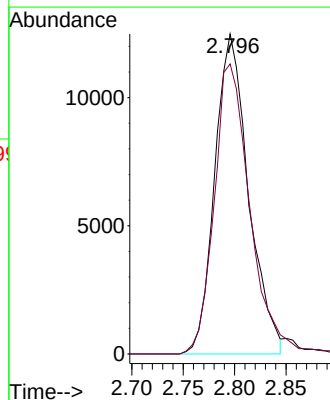
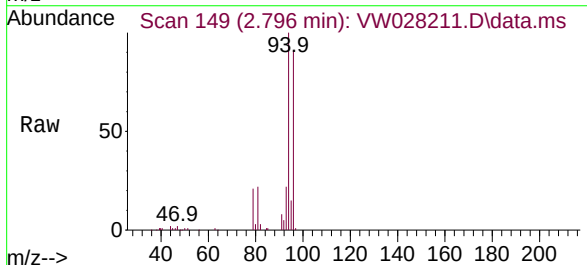
Instrument :
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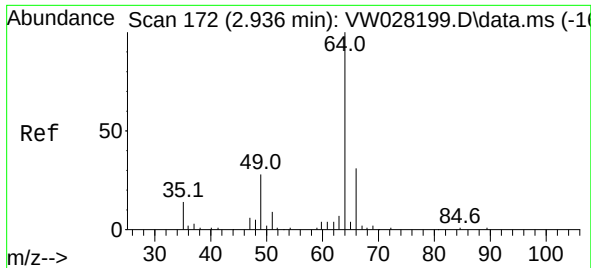
Tgt Ion: 62 Resp: 48598
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.5 41.7



#6
 Bromomethane
 Concen: 20.700 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VW028211.D
 Acq: 20 Mar 2024 11:00

Tgt Ion: 94 Resp: 28493
 Ion Ratio Lower Upper
 94 100
 96 90.7 60.8 113.0

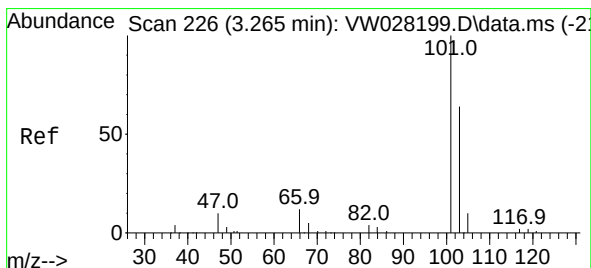
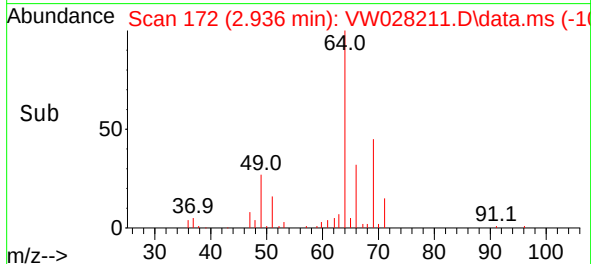
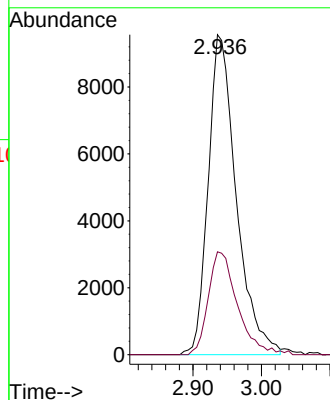
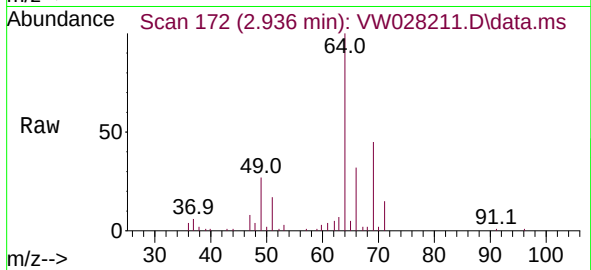




#8
Chloroethane
Concen: 21.941 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

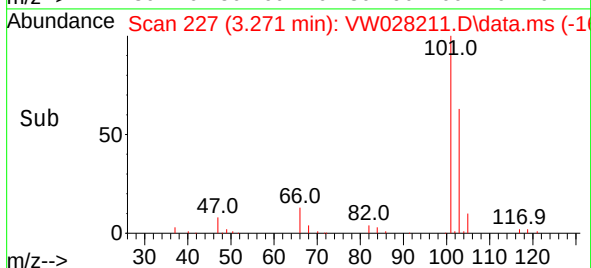
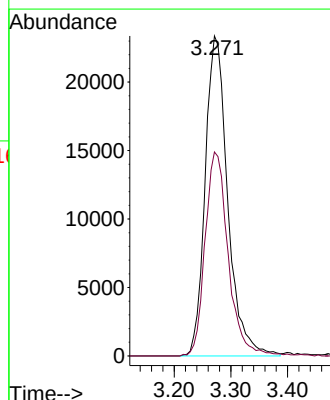
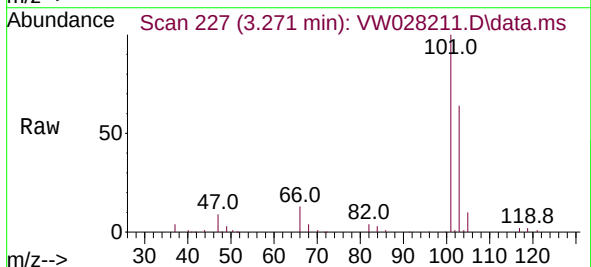
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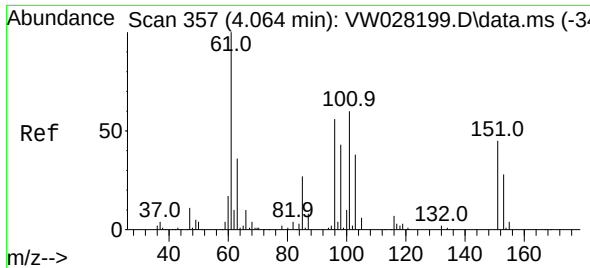
Tgt Ion: 64 Resp: 27258
Ion Ratio Lower Upper
64 100
66 32.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 23.105 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.006 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion:101 Resp: 64567
Ion Ratio Lower Upper
101 100
103 65.1 50.9 76.3

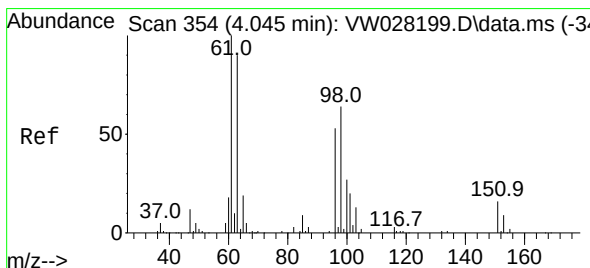
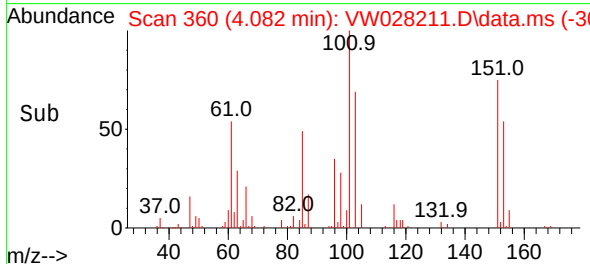
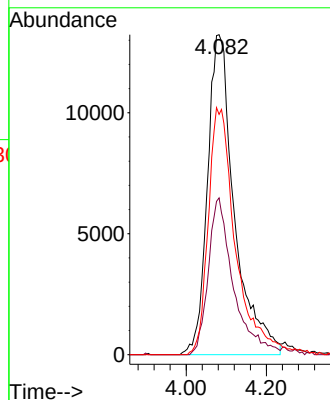
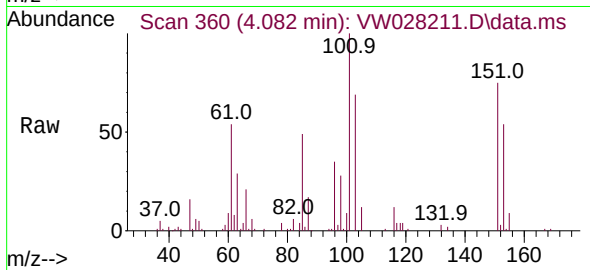




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.313 ug/L
 RT: 4.082 min Scan# 360
 Delta R.T. 0.018 min
 Lab File: VW028211.D
 Acq: 20 Mar 2024 11:00

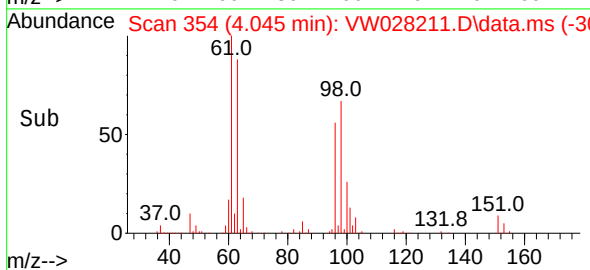
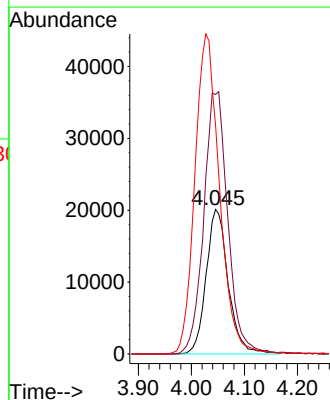
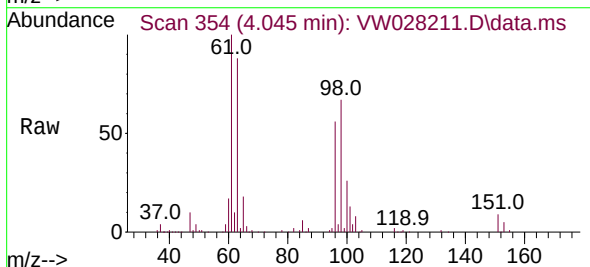
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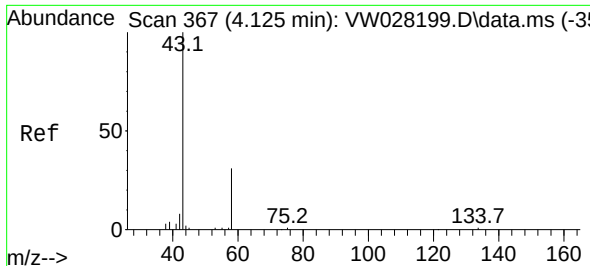
Tgt Ion:101 Resp: 61944
 Ion Ratio Lower Upper
 101 100
 85 43.1 36.4 54.6
 151 72.8 58.4 87.6



#12
 1,1-Dichloroethene
 Concen: 22.631 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW028211.D
 Acq: 20 Mar 2024 11:00

Tgt Ion: 96 Resp: 58079
 Ion Ratio Lower Upper
 96 100
 61 179.6 132.2 245.4
 63 158.6 104.6 194.2

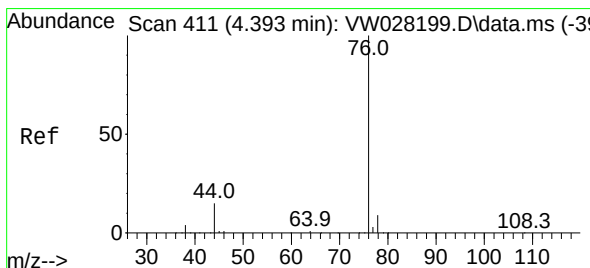
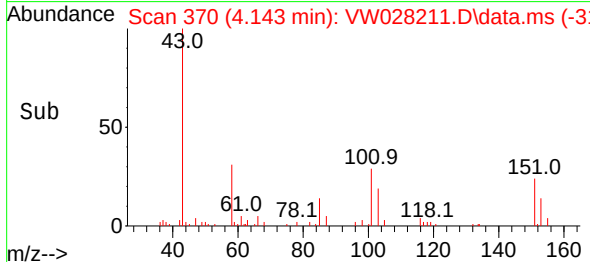
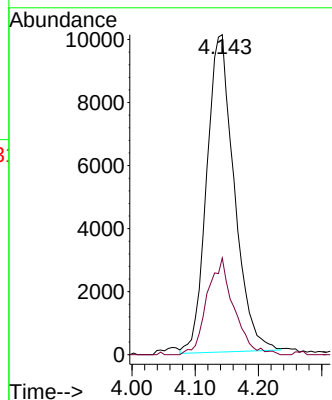
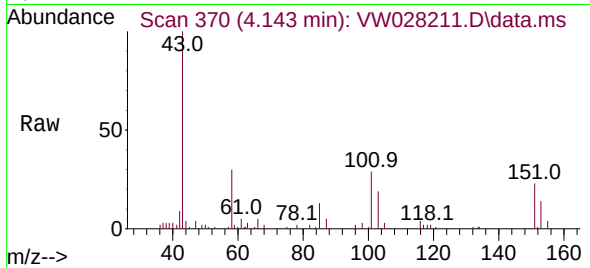




#13
Acetone
Concen: 39.950 ug/L
RT: 4.143 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

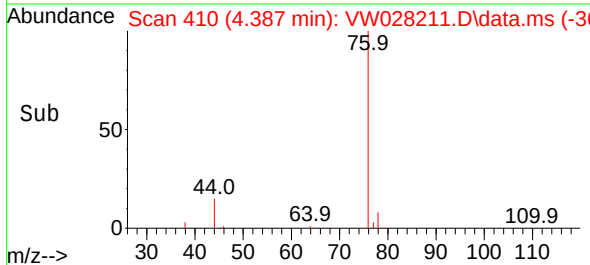
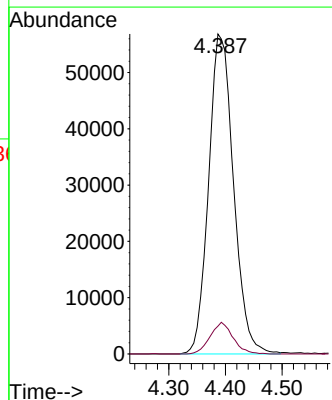
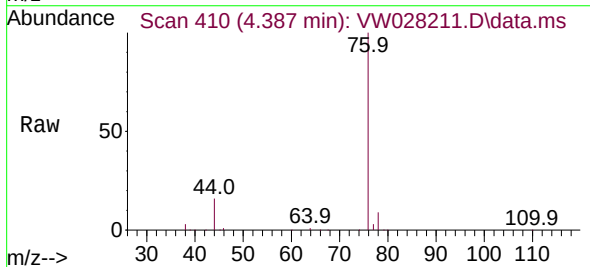
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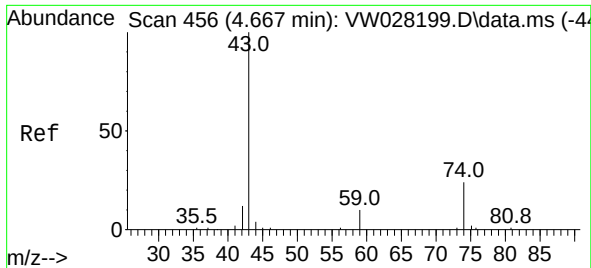
Tgt Ion: 43 Resp: 30421
Ion Ratio Lower Upper
43 100
58 28.9 0.0 57.8



#14
Carbon disulfide
Concen: 21.654 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion: 76 Resp: 173324
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

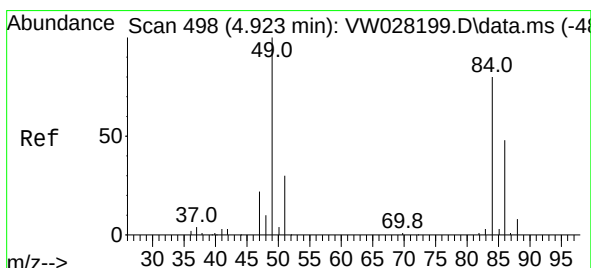
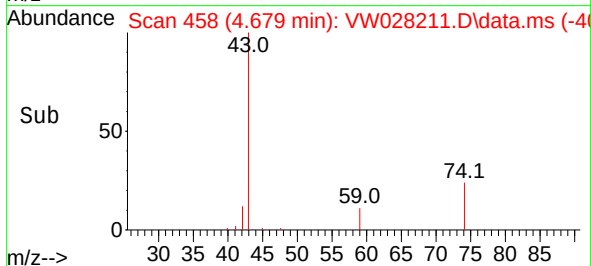
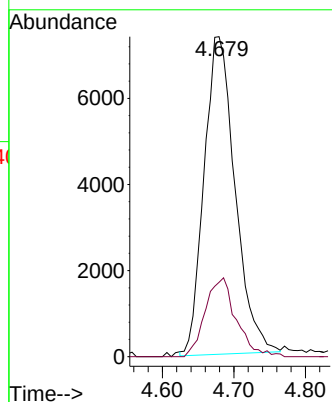
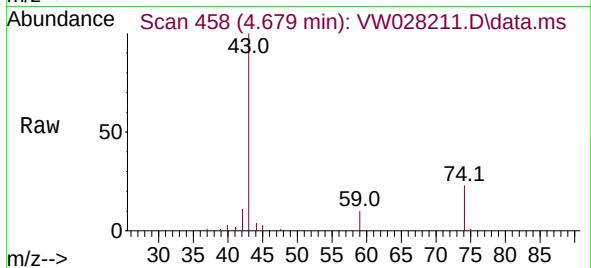




#15
Methyl Acetate
Concen: 18.962 ug/L
RT: 4.679 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

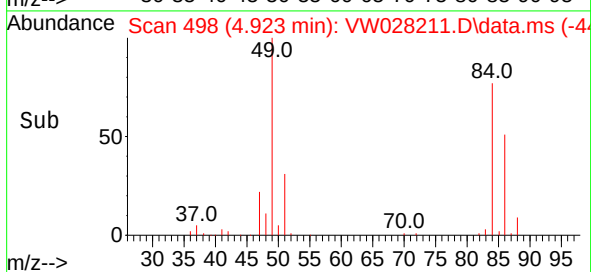
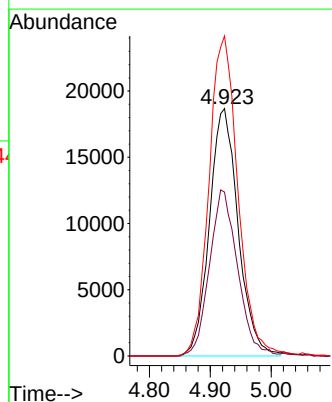
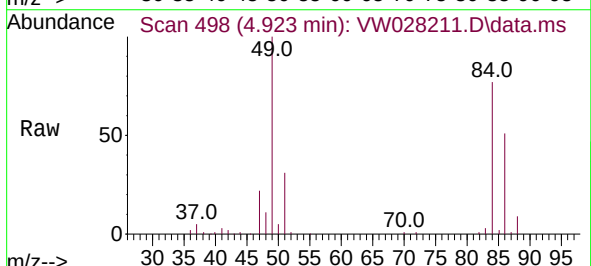
Instrument :
MSVOA_W
ClientSampleId :

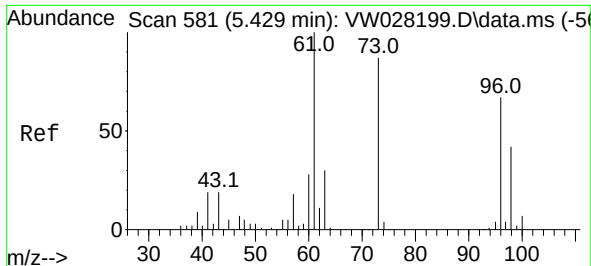
Tgt Ion: 43 Resp: 22241
Ion Ratio Lower Upper
43 100
74 24.5 18.2 27.2



#16
Methylene chloride
Concen: 20.209 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion: 84 Resp: 61127
Ion Ratio Lower Upper
84 100
86 66.2 43.1 80.1
49 129.3 89.4 166.0





#17

trans-1,2-Dichloroethene

Concen: 22.354 ug/L

RT: 5.435 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

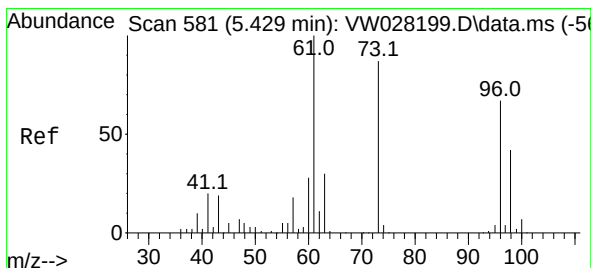
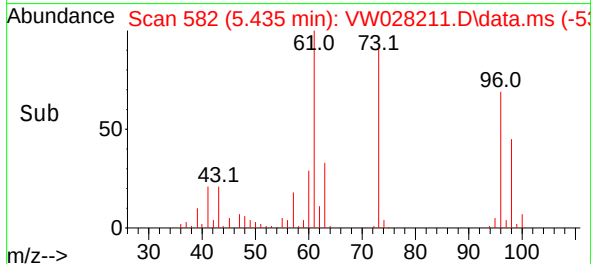
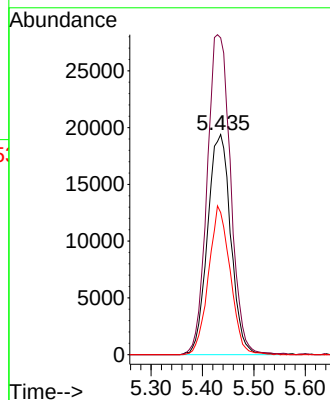
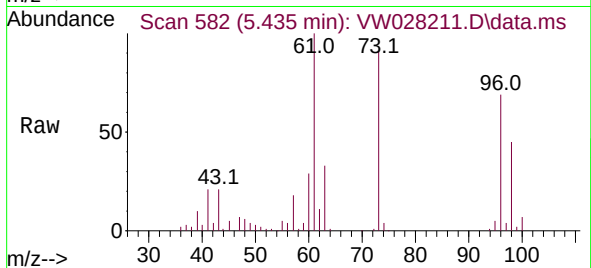
Tgt Ion: 96 Resp: 60966

Ion Ratio Lower Upper

96 100

61 143.9 98.4 182.8

98 64.5 45.6 84.8



#18

Methyl tert-butyl Ether

Concen: 22.152 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

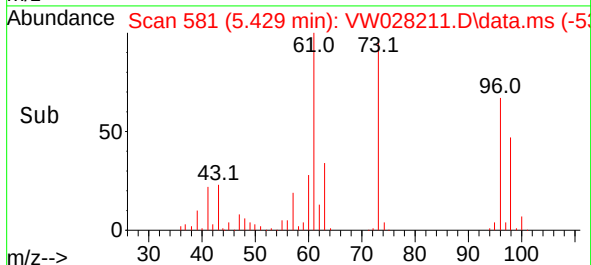
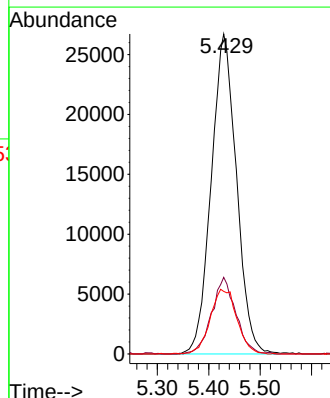
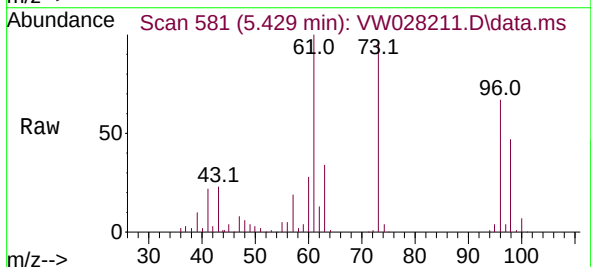
Tgt Ion: 73 Resp: 91150

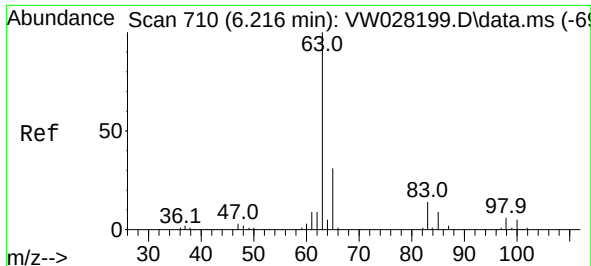
Ion Ratio Lower Upper

73 100

43 22.8 18.2 27.4

57 13.4 17.4 26.2#





#19

1,1-Dichloroethane

Concen: 22.140 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

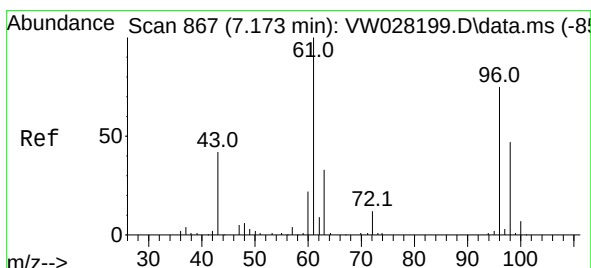
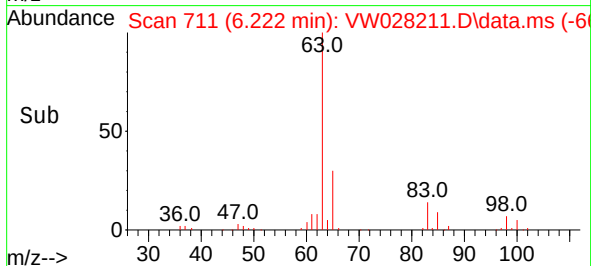
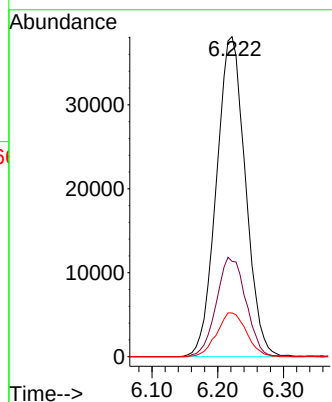
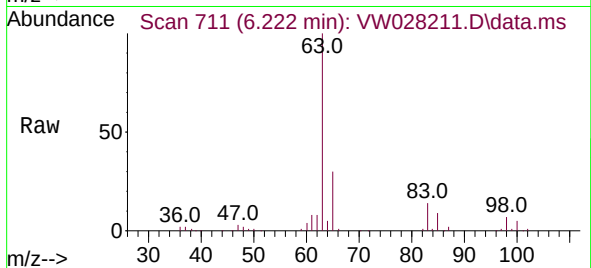
Tgt Ion: 63 Resp: 116895

Ion Ratio Lower Upper

63 100

65 29.8 22.1 41.1

83 13.6 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 22.088 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

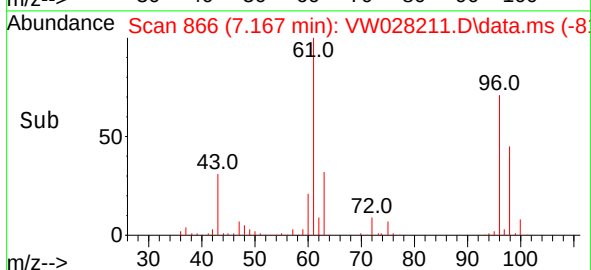
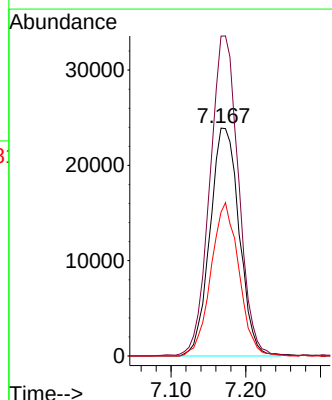
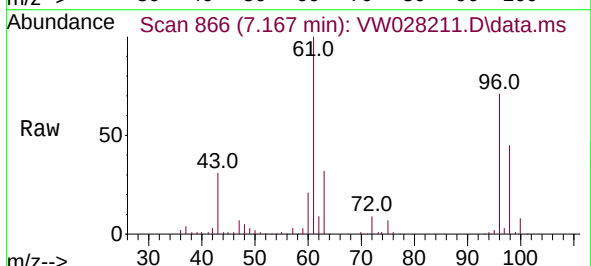
Tgt Ion: 96 Resp: 65059

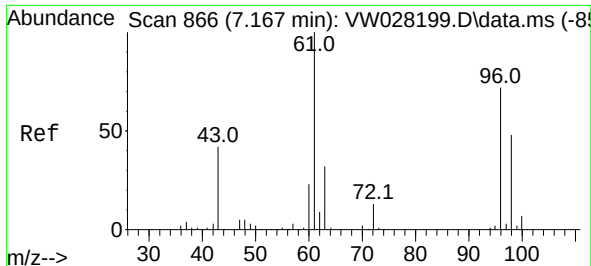
Ion Ratio Lower Upper

96 100

61 140.3 95.7 177.7

98 63.0 43.9 81.5





#22

2-Butanone

Concen: 39.755 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

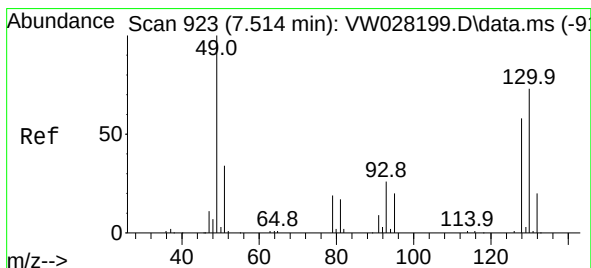
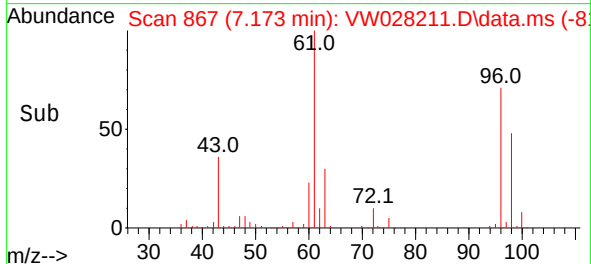
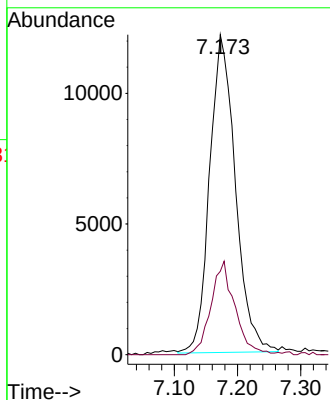
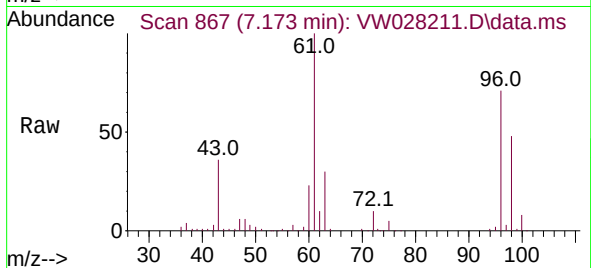
ClientSampleId :

Tgt Ion: 43 Resp: 34371

Ion Ratio Lower Upper

43 100

72 27.2 12.8 38.4



#23

Bromochloromethane

Concen: 21.747 ug/L

RT: 7.514 min Scan# 923

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Tgt Ion: 128 Resp: 28319

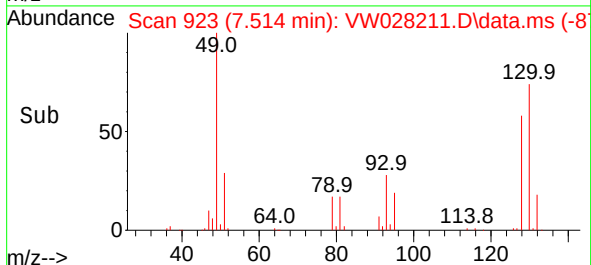
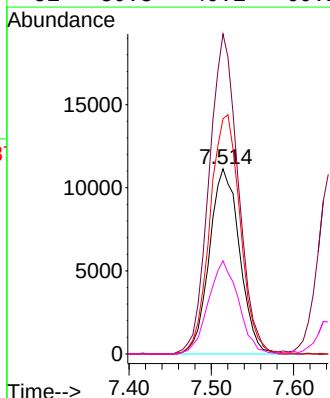
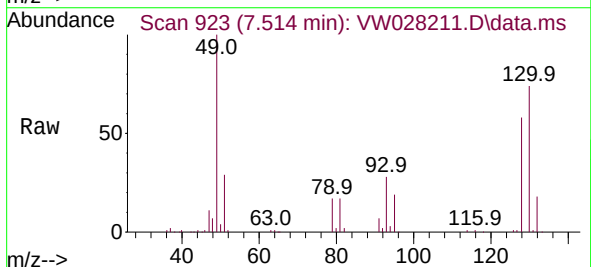
Ion Ratio Lower Upper

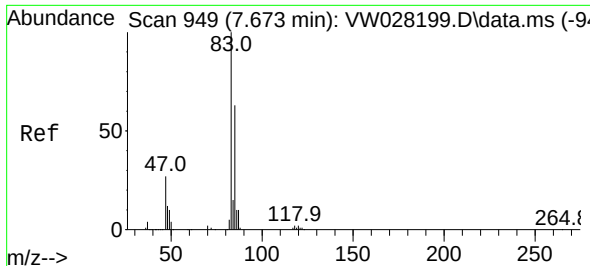
128 100

49 172.9 116.6 216.6

130 127.1 80.1 148.7

51 50.3 40.1 60.1





#25

Chloroform

Concen: 22.395 ug/L

RT: 7.679 min Scan# 949

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

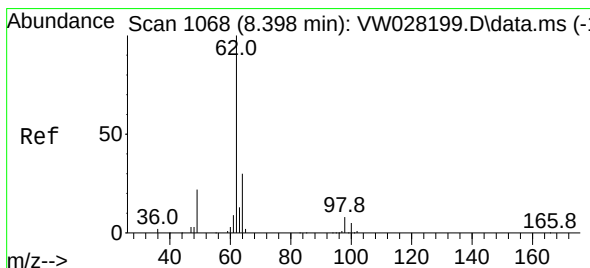
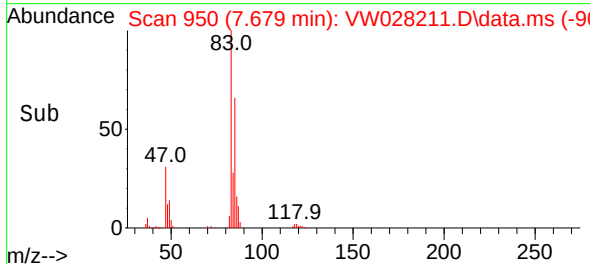
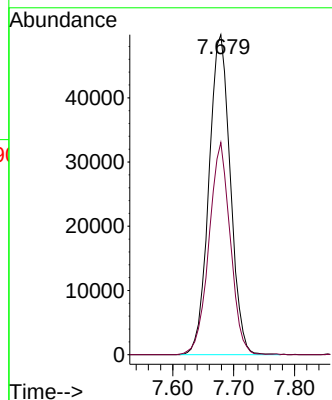
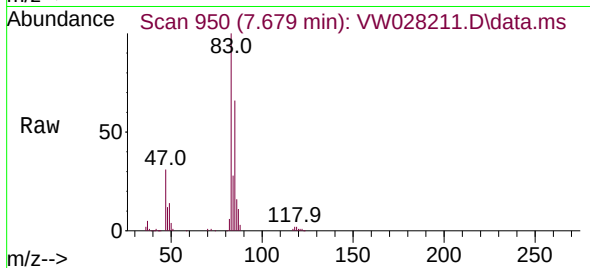
ClientSampleId :

Tgt Ion: 83 Resp: 121731

Ion Ratio Lower Upper

83 100

85 66.3 44.5 82.7



#27

1,2-Dichloroethane

Concen: 21.550 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW028211.D

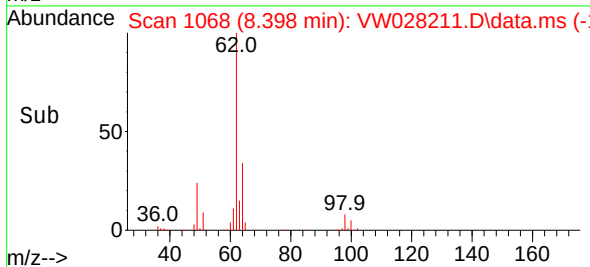
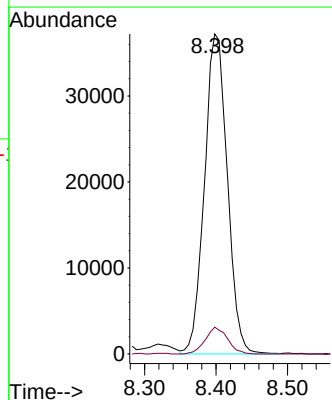
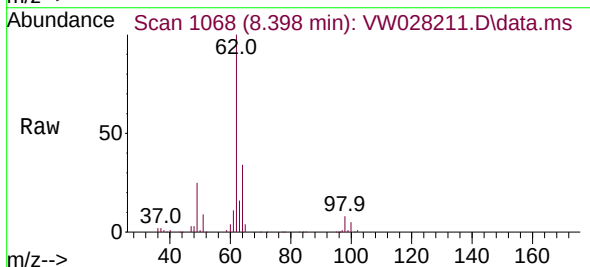
Acq: 20 Mar 2024 11:00

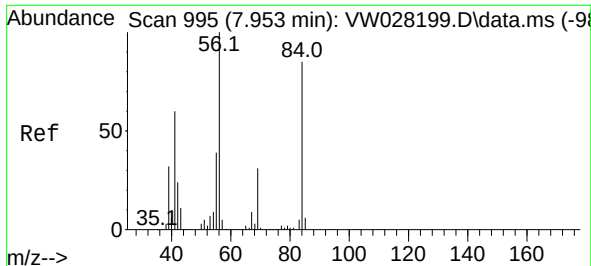
Tgt Ion: 62 Resp: 82723

Ion Ratio Lower Upper

62 100

98 8.4 5.9 8.9





#29

Cyclohexane

Concen: 22.342 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

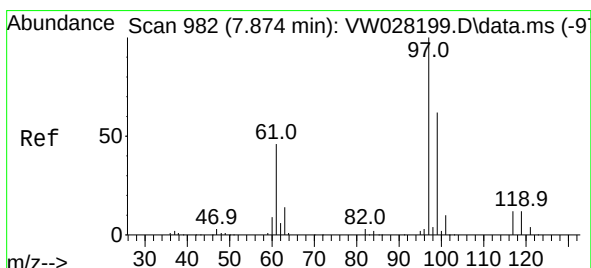
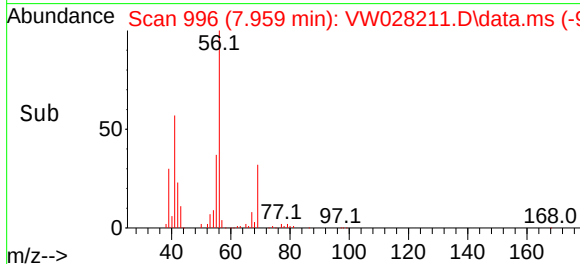
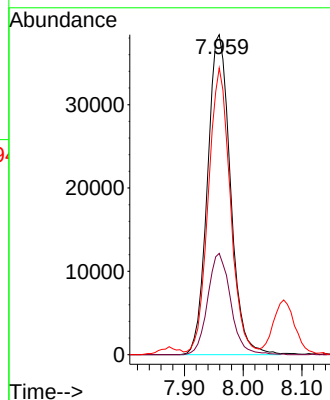
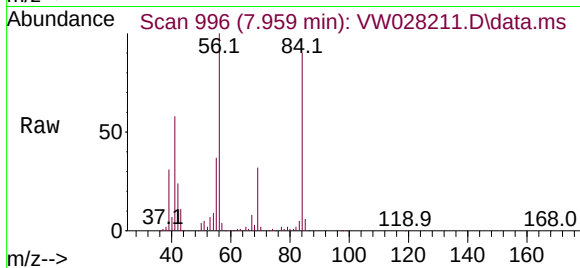
Tgt Ion: 56 Resp: 104247

Ion Ratio Lower Upper

56 100

69 31.6 24.0 36.0

84 86.2 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 23.344 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

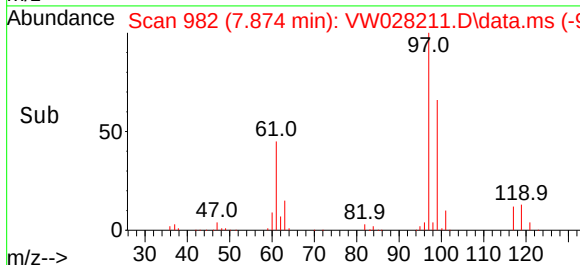
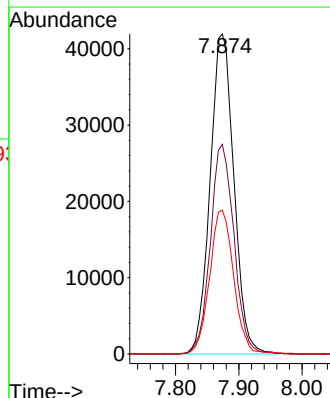
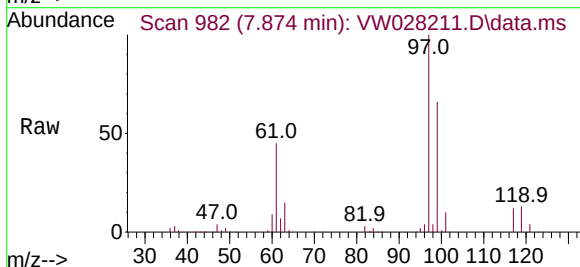
Tgt Ion: 97 Resp: 109466

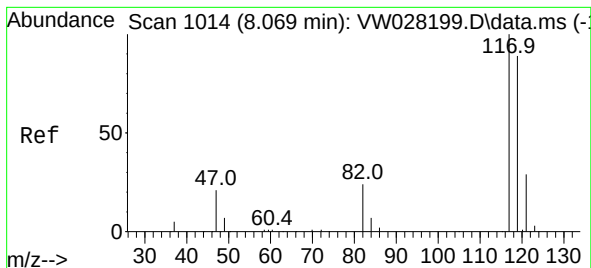
Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 45.3 37.0 55.6





#31

Carbon tetrachloride

Concen: 22.746 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

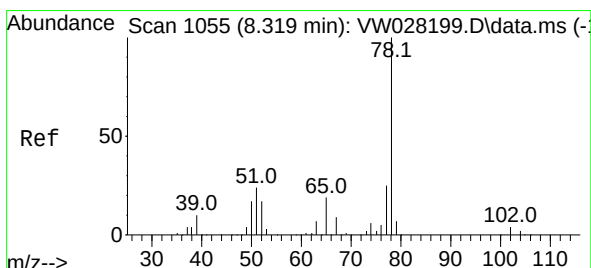
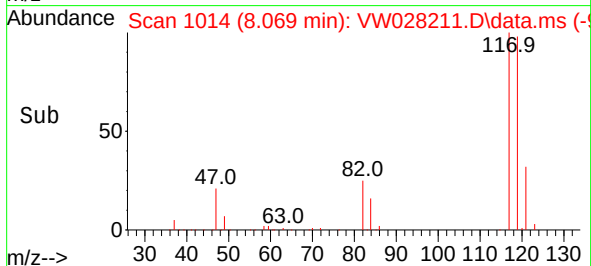
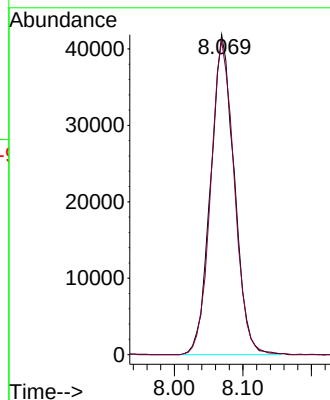
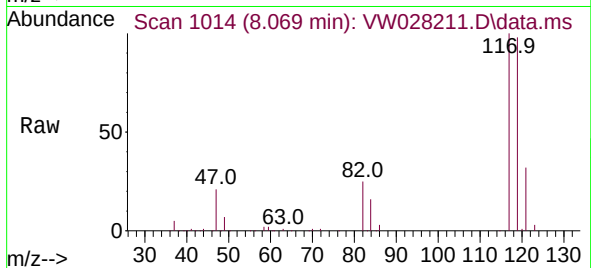
ClientSampleId :

Tgt Ion:117 Resp: 100052

Ion Ratio Lower Upper

117 100

119 97.9 78.2 117.4



#33

Benzene

Concen: 22.729 ug/L

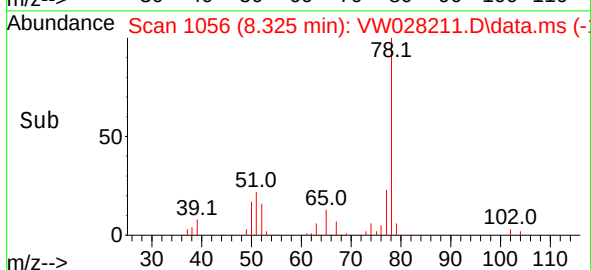
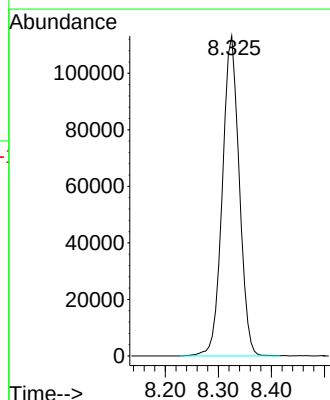
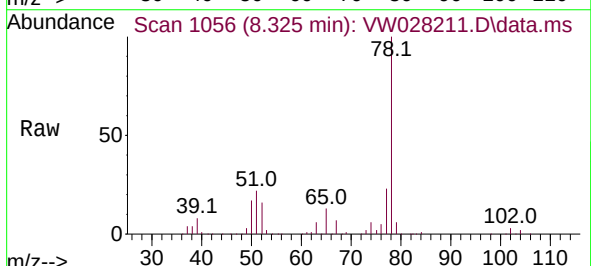
RT: 8.325 min Scan# 1056

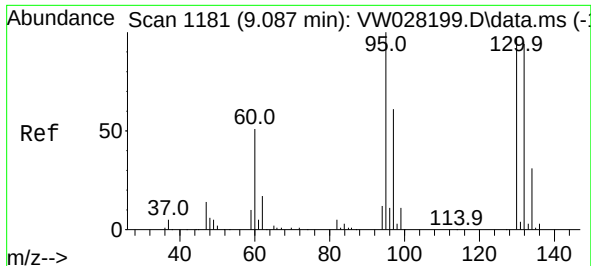
Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Tgt Ion: 78 Resp: 250202





#34

Trichloroethene

Concen: 22.922 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 70397

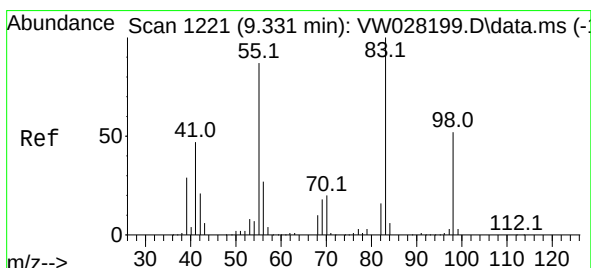
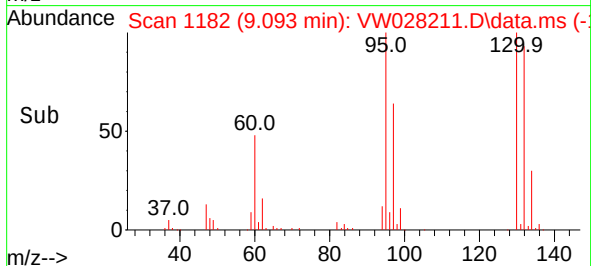
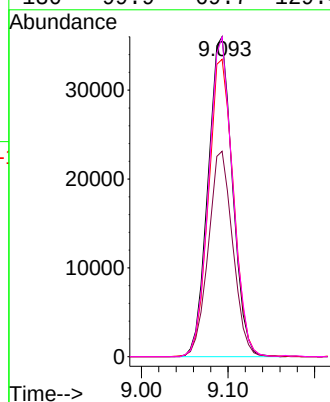
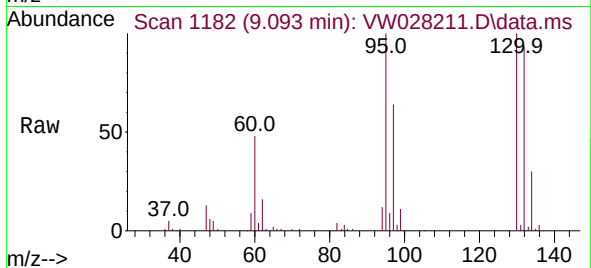
Ion Ratio Lower Upper

95 100

97 64.2 42.4 78.6

132 92.9 69.4 128.8

130 99.9 69.7 129.4



#35

Methylcyclohexane

Concen: 22.429 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

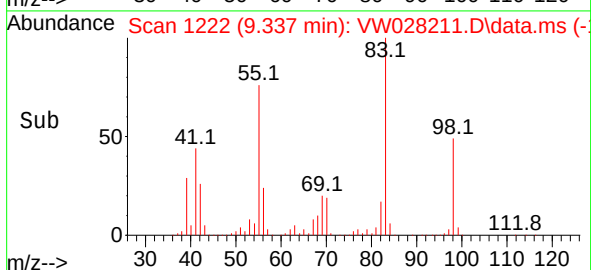
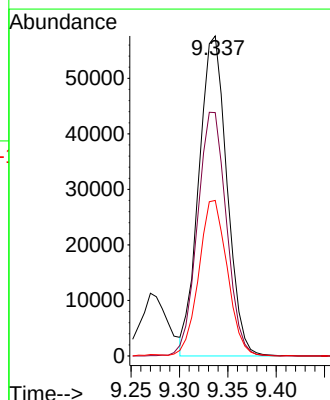
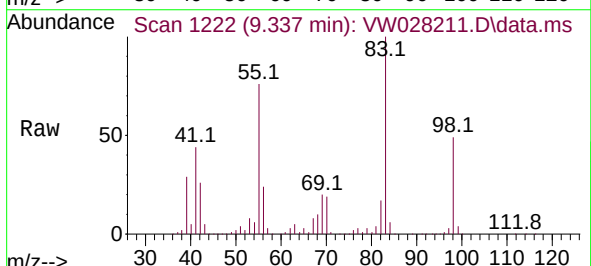
Tgt Ion: 83 Resp: 116438

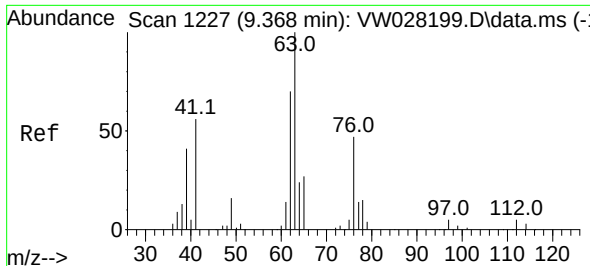
Ion Ratio Lower Upper

83 100

55 78.4 64.2 96.4

98 49.3 38.3 57.5





#37

1,2-Dichloropropane

Concen: 22.163 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

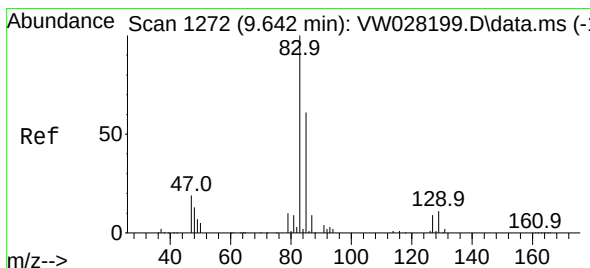
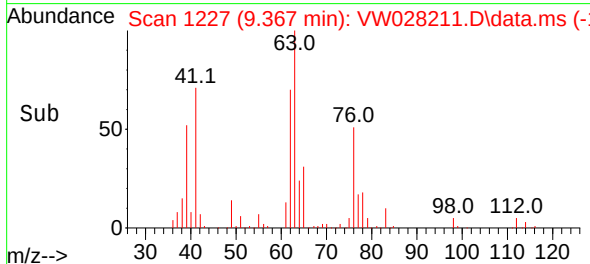
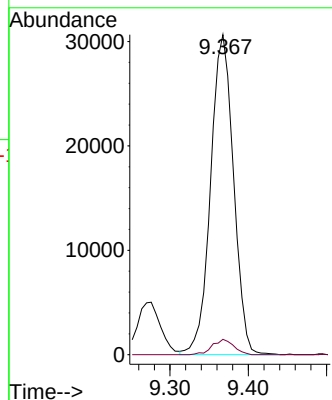
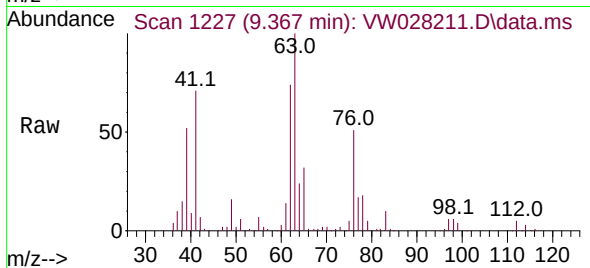
ClientSampleId :

Tgt Ion: 63 Resp: 62405

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8



#38

Bromodichloromethane

Concen: 22.496 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

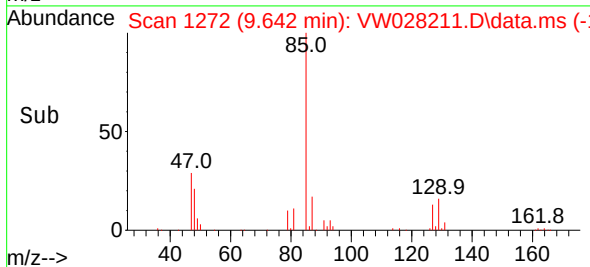
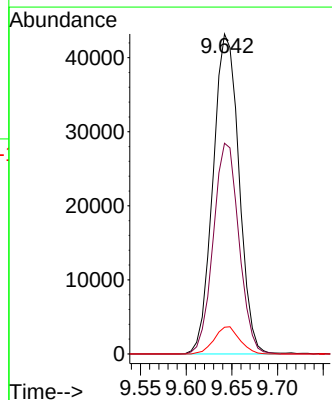
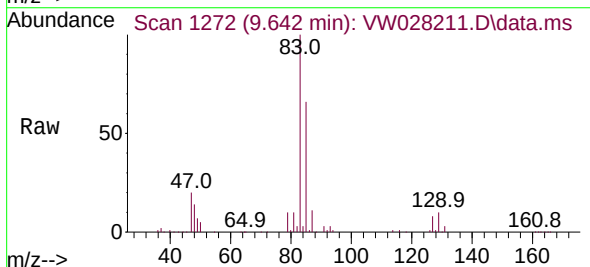
Tgt Ion: 83 Resp: 85398

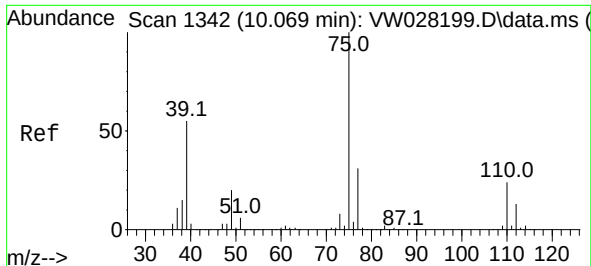
Ion Ratio Lower Upper

83 100

85 65.9 45.8 85.2

127 8.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 22.495 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

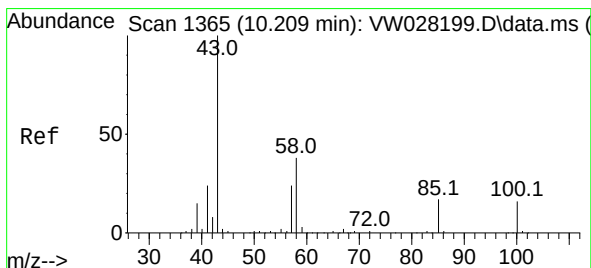
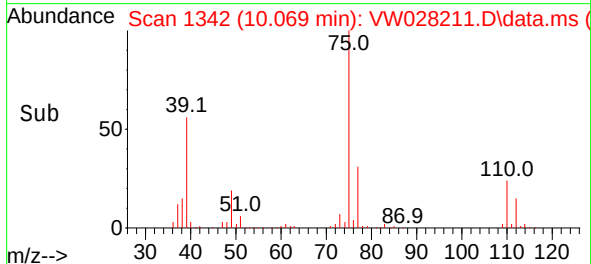
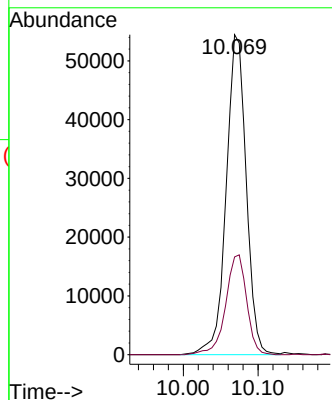
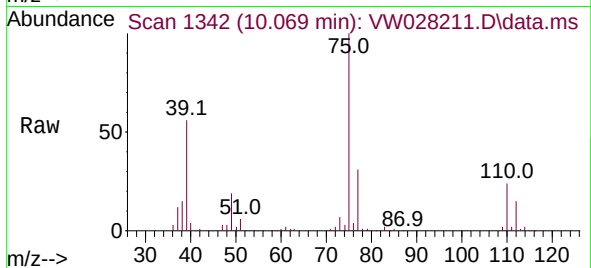
ClientSampleId :

Tgt Ion: 75 Resp: 101435

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 41.506 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

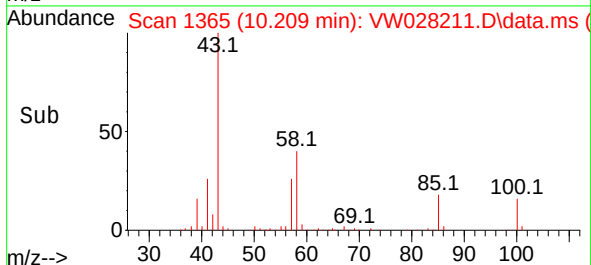
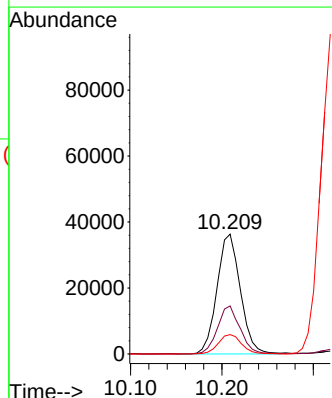
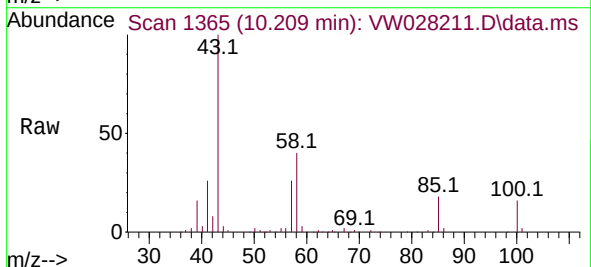
Tgt Ion: 43 Resp: 64509

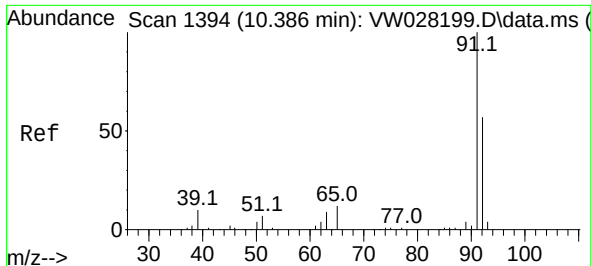
Ion Ratio Lower Upper

43 100

58 38.7 30.1 45.1

100 16.1 11.8 17.8





#42

Toluene

Concen: 22.706 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

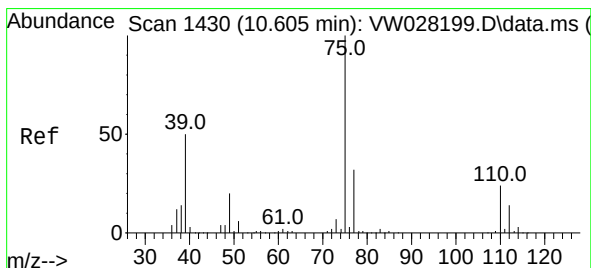
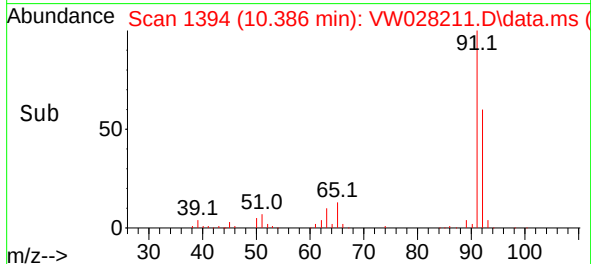
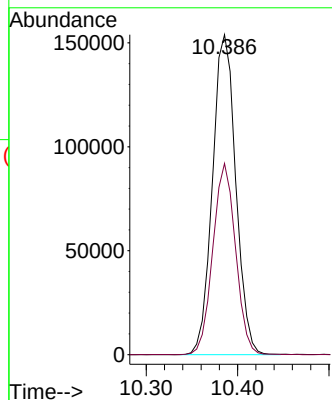
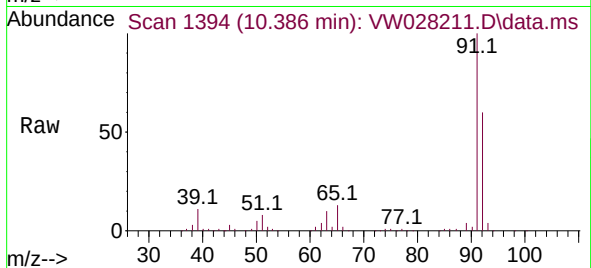
ClientSampleId :

Tgt Ion: 91 Resp: 272789

Ion Ratio Lower Upper

91 100

92 59.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 22.609 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028211.D

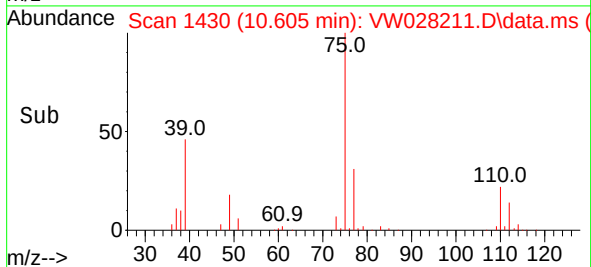
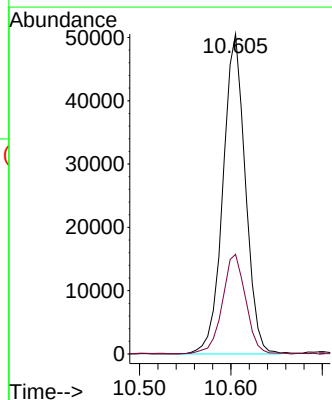
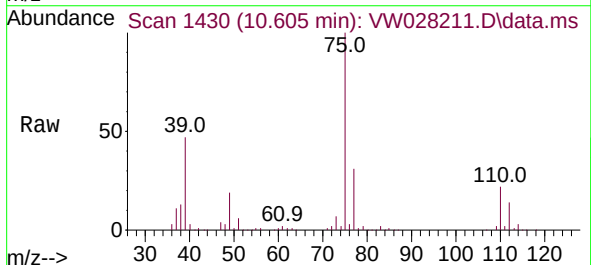
Acq: 20 Mar 2024 11:00

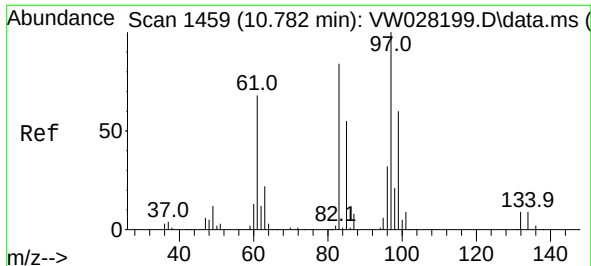
Tgt Ion: 75 Resp: 86075

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 21.918 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 44589

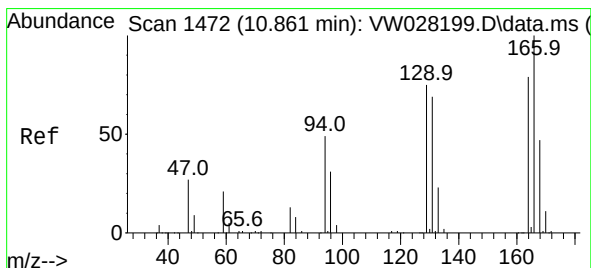
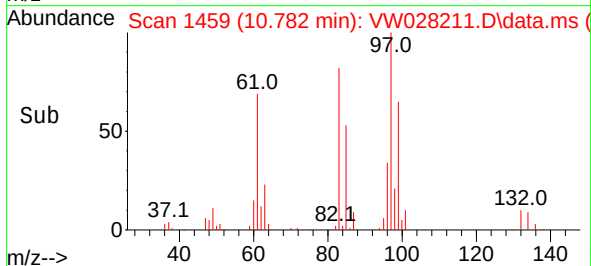
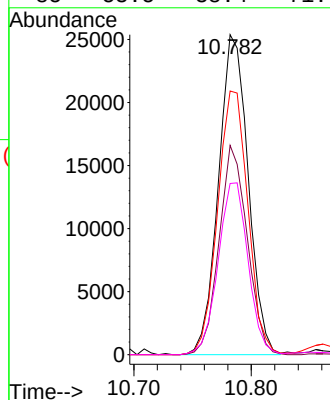
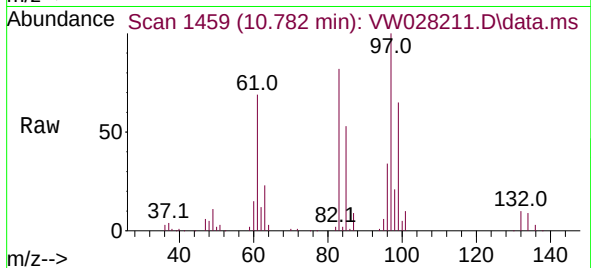
Ion Ratio Lower Upper

97 100

99 65.4 43.4 80.6

83 82.4 59.4 110.4

85 53.5 38.4 71.4



#46

Tetrachloroethene

Concen: 22.317 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Tgt Ion:164 Resp: 55250

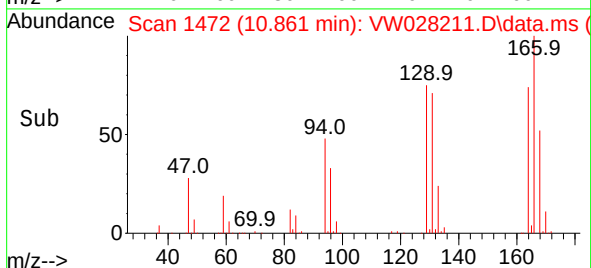
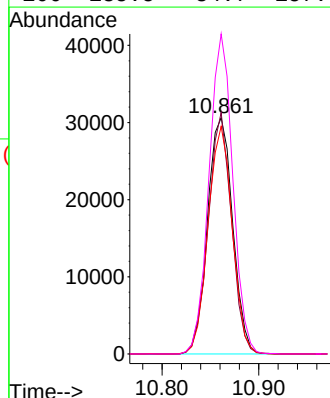
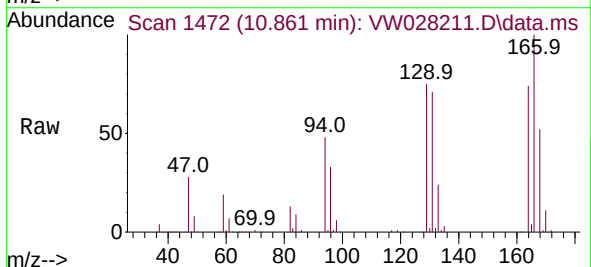
Ion Ratio Lower Upper

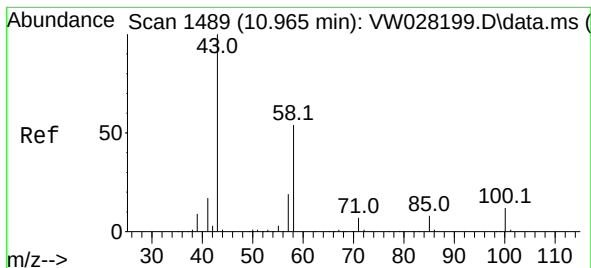
164 100

129 102.2 64.0 119.0

131 96.4 62.6 116.3

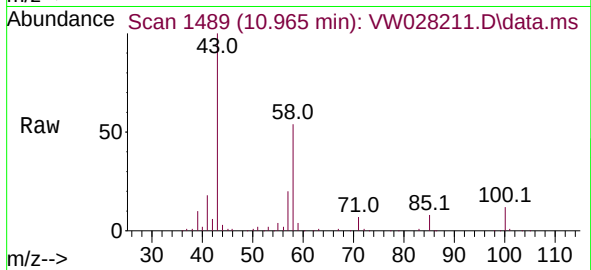
166 135.5 84.7 157.3



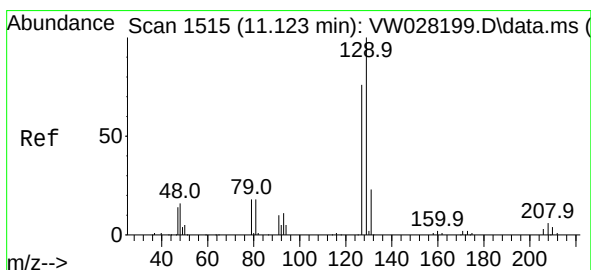
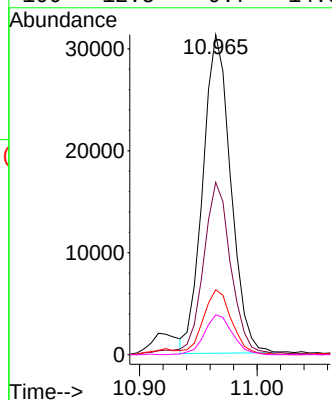
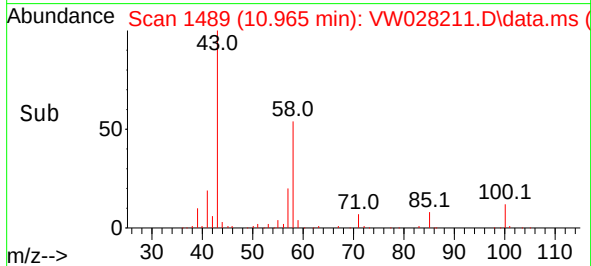


#48
2-Hexanone
Concen: 42.514 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Instrument :
MSVOA_W
ClientSampleId :

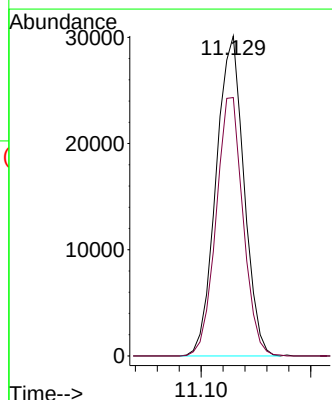
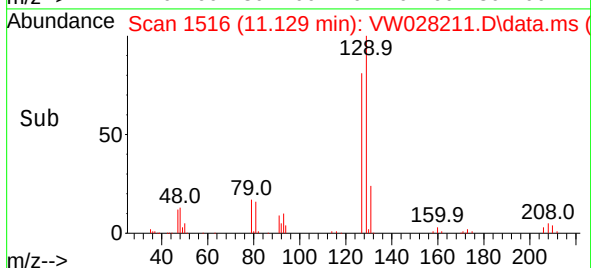
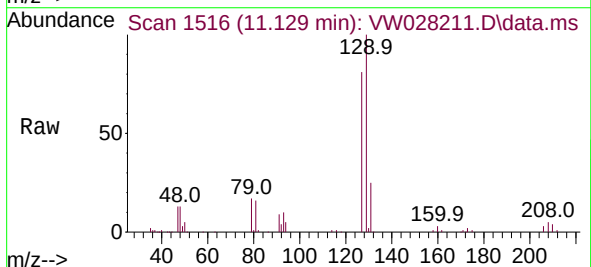


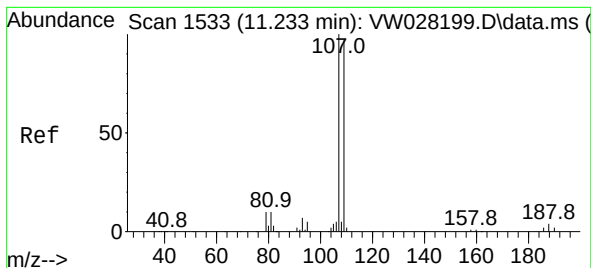
Tgt Ion: 43	Resp: 51760
Ion Ratio	Lower Upper
43 100	
58 54.7	40.6 61.0
57 20.7	15.7 23.5
100 12.5	9.7 14.5



#49
Dibromochloromethane
Concen: 22.071 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion:129	Resp: 53177		
Ion Ratio	Lower	Upper	
129 100			
127 80.8	53.1	98.7	

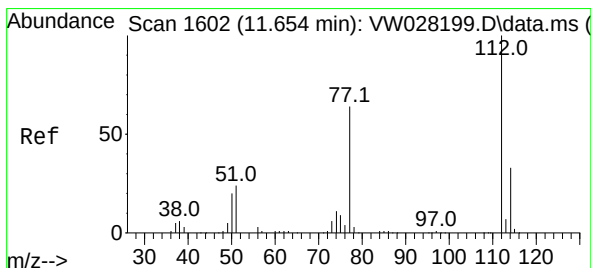
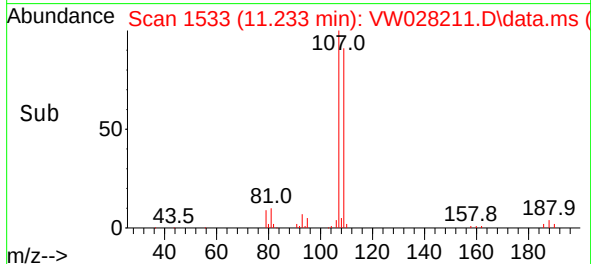
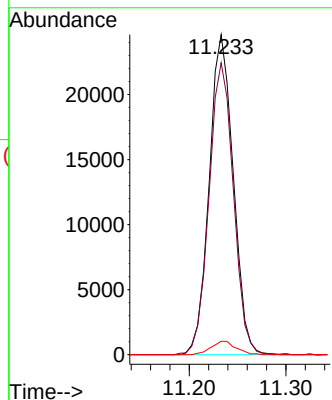
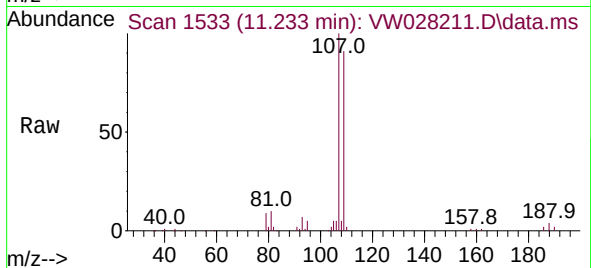




#50
1,2-Dibromoethane
Concen: 21.849 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

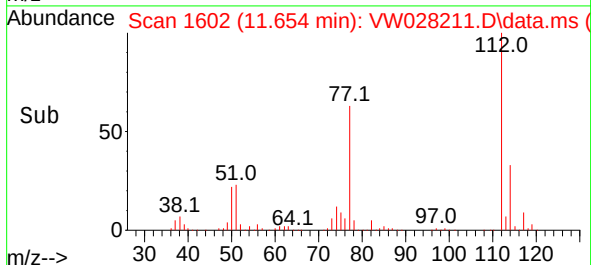
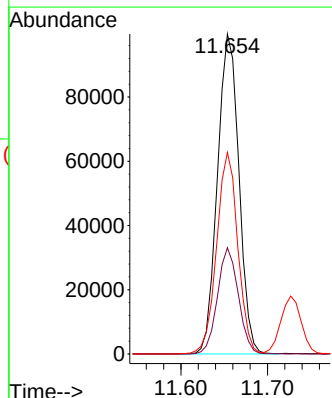
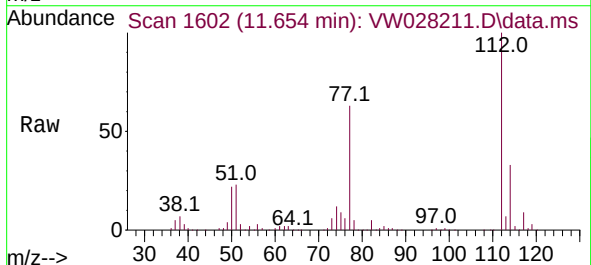
Instrument :
MSVOA_W
ClientSampleId :

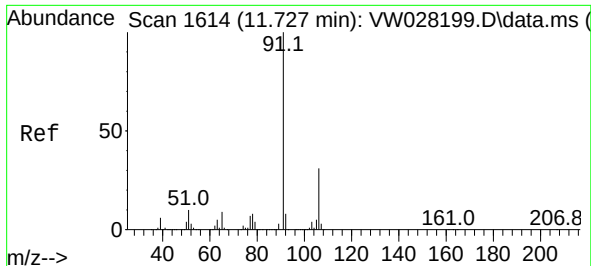
Tgt Ion:107 Resp: 42501
Ion Ratio Lower Upper
107 100
109 91.2 64.4 119.6
188 4.2 3.4 5.2



#51
Chlorobenzene
Concen: 22.493 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion:112 Resp: 171522
Ion Ratio Lower Upper
112 100
114 33.2 21.8 40.6
77 63.0 50.6 76.0





#52

Ethylbenzene

Concen: 22.883 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

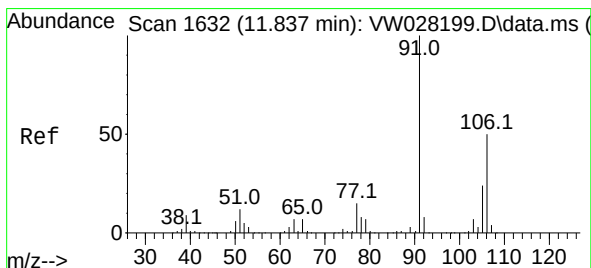
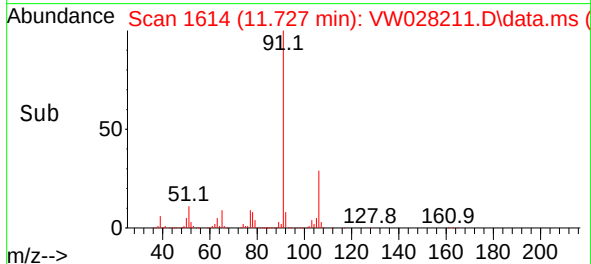
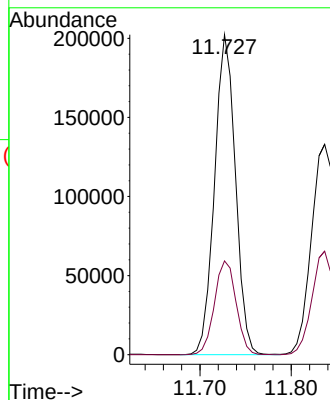
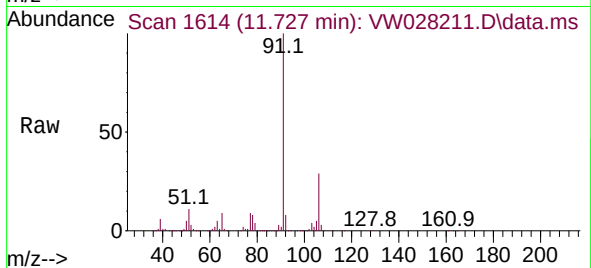
ClientSampleId :

Tgt Ion: 91 Resp: 320934

Ion Ratio Lower Upper

91 100

106 29.3 21.3 39.5



#53

m,p-Xylene

Concen: 22.632 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW028211.D

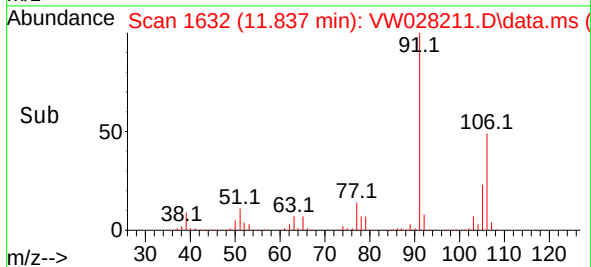
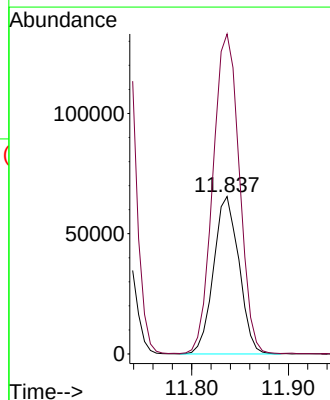
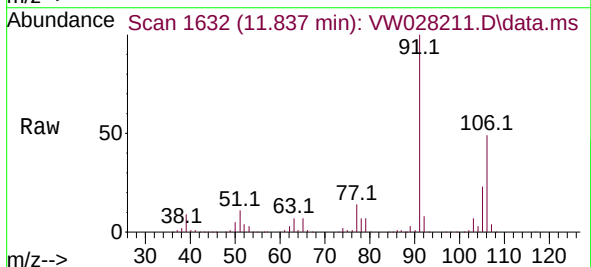
Acq: 20 Mar 2024 11:00

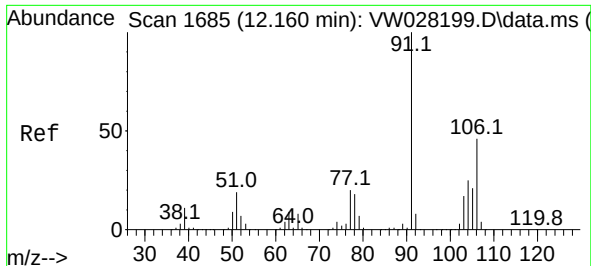
Tgt Ion:106 Resp: 119444

Ion Ratio Lower Upper

106 100

91 203.3 147.1 273.1

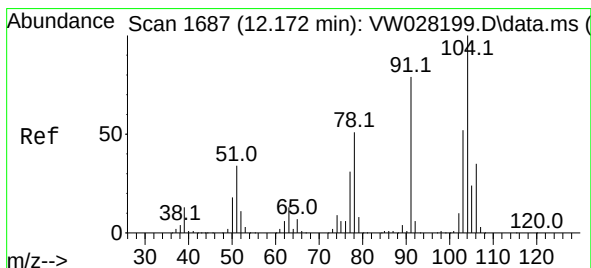
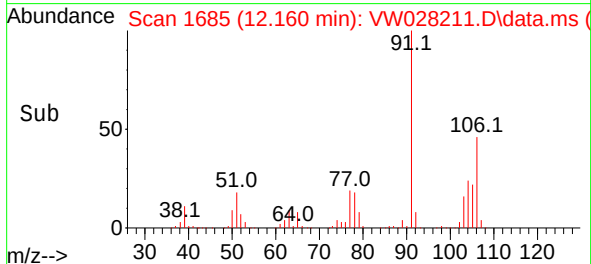
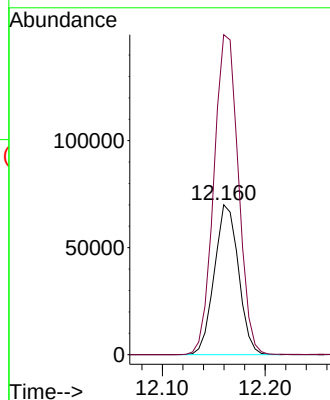
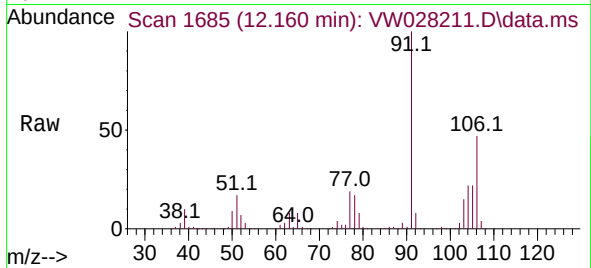




#54
o-Xylene
Concen: 23.374 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

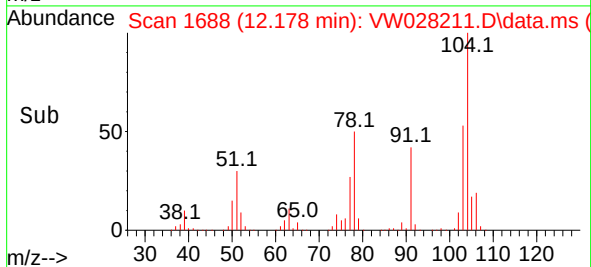
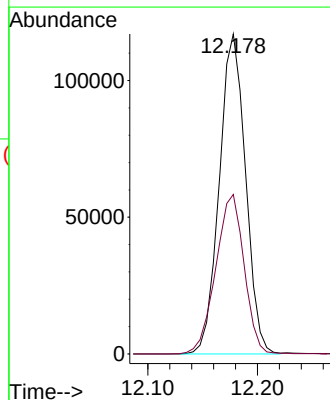
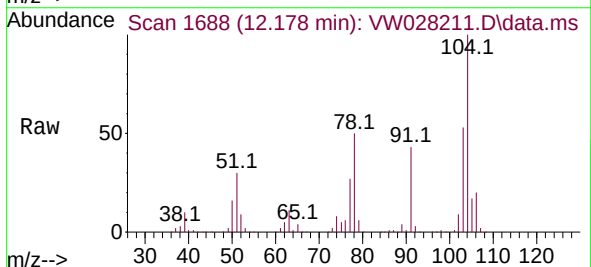
Instrument :
MSVOA_W
ClientSampleId :

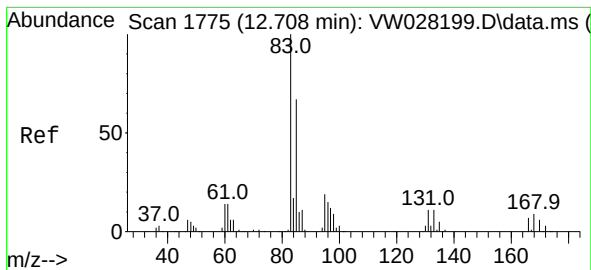
Tgt Ion:106 Resp: 114397
Ion Ratio Lower Upper
106 100
91 213.4 149.2 277.2



#55
Styrene
Concen: 23.119 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.006 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion:104 Resp: 194354
Ion Ratio Lower Upper
104 100
78 49.8 33.2 61.7

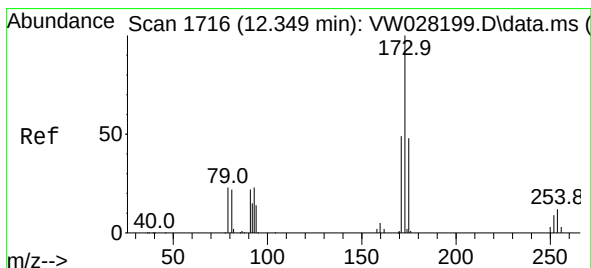
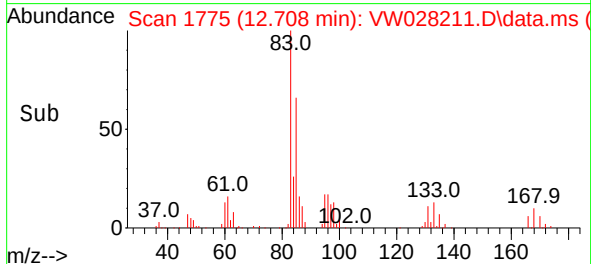
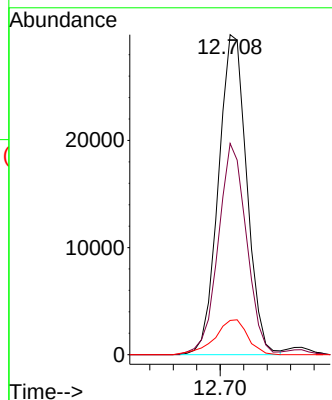
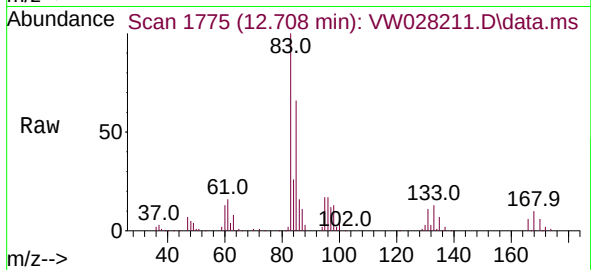




#57
1,1,2,2-Tetrachloroethane
Concen: 21.496 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

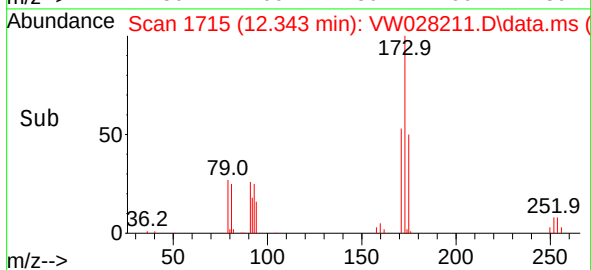
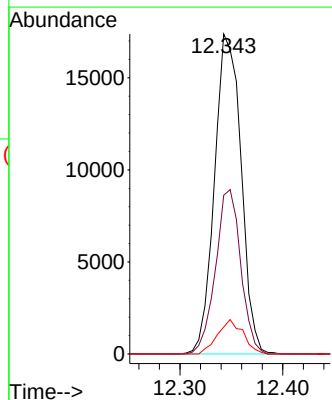
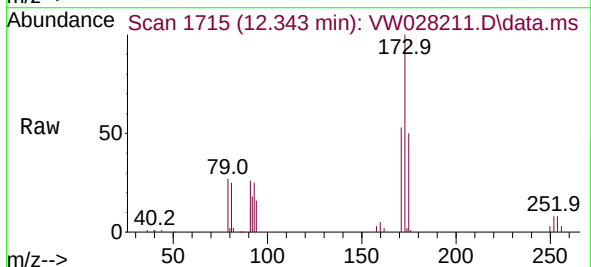
Instrument :
MSVOA_W
ClientSampleId :

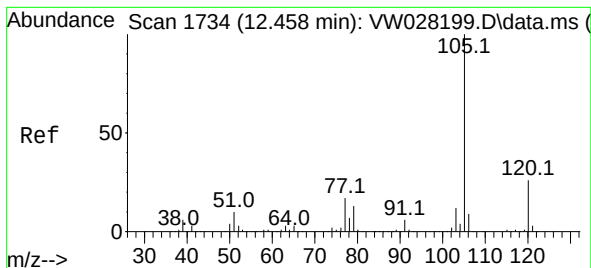
Tgt Ion: 83 Resp: 50019
Ion Ratio Lower Upper
83 100
85 66.0 47.0 87.2
131 10.7 8.9 13.3



#59
Bromoform
Concen: 21.306 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion:173 Resp: 31170
Ion Ratio Lower Upper
173 100
175 48.8 39.8 59.6
254 10.3 8.5 12.7





#60

Isopropylbenzene

Concen: 22.379 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

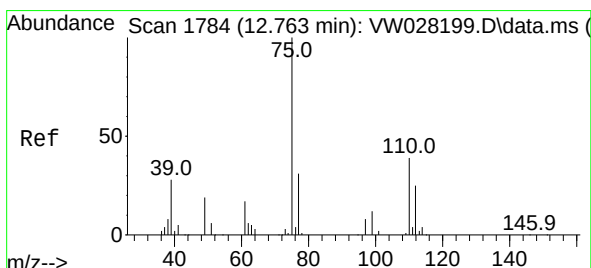
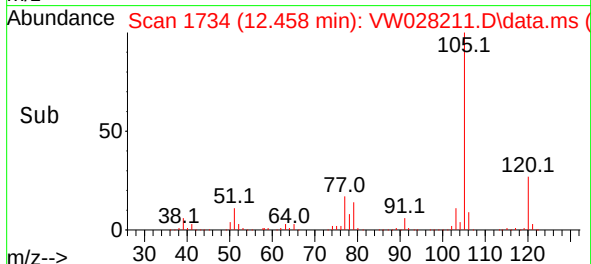
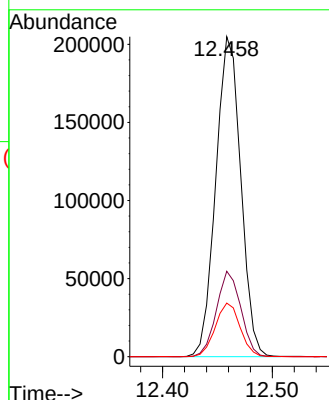
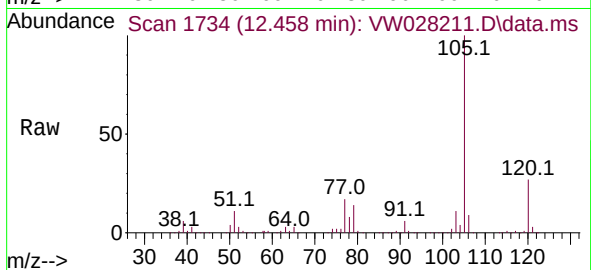
Tgt Ion:105 Resp: 324623

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

77 16.6 13.7 20.5



#61

1,2,3-Trichloropropane

Concen: 19.727 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

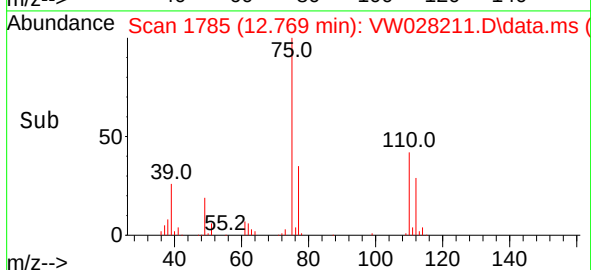
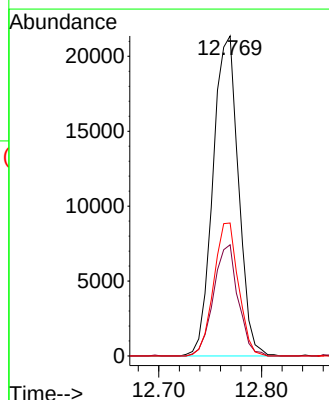
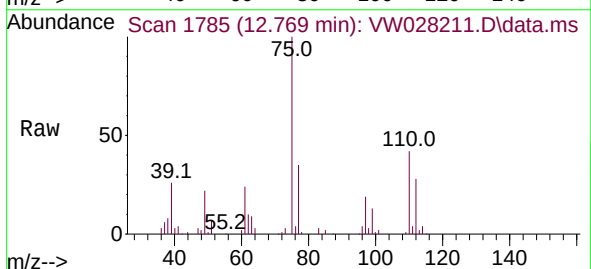
Tgt Ion: 75 Resp: 36757

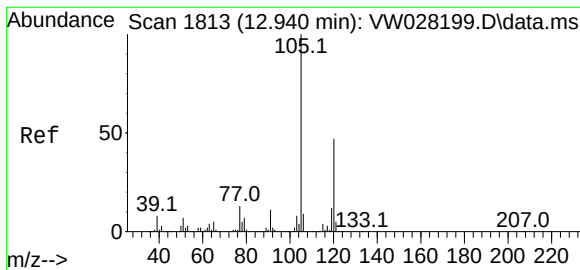
Ion Ratio Lower Upper

75 100

77 33.5 26.0 39.0

110 40.3 32.2 48.2

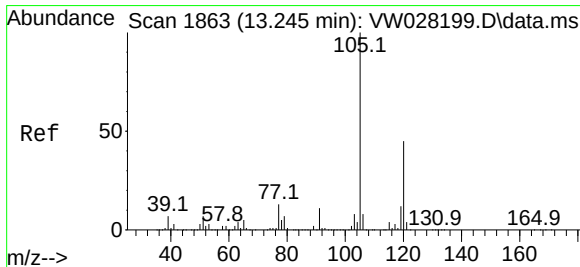
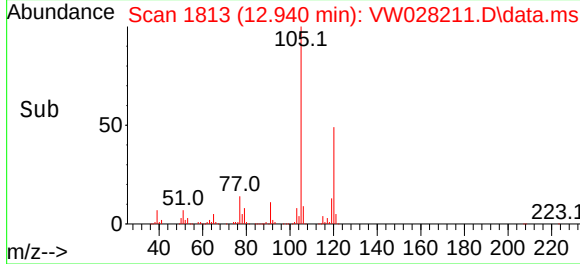
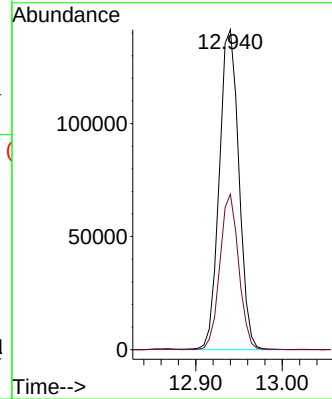
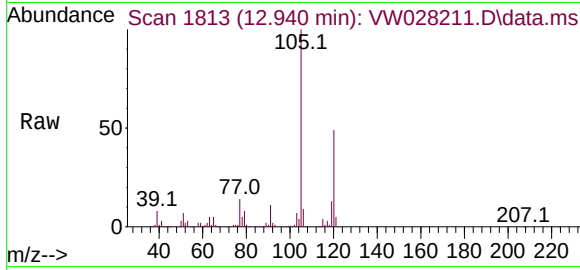




#62
1,3,5-Trimethylbenzene
Concen: 22.868 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

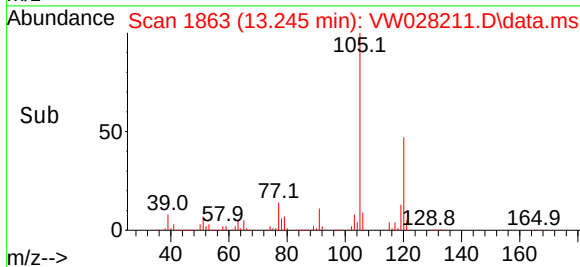
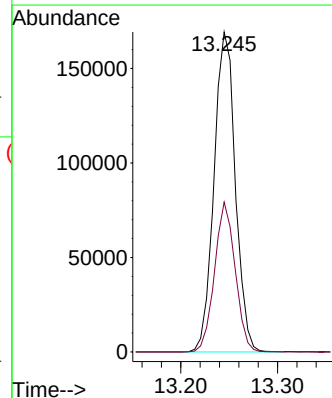
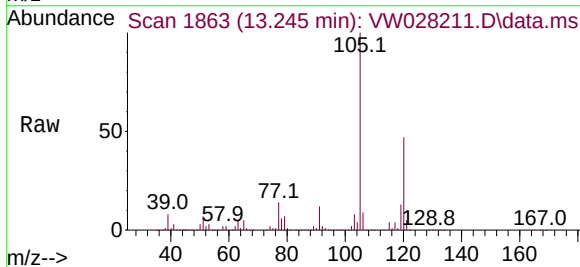
Instrument :
MSVOA_W
ClientSampleId :

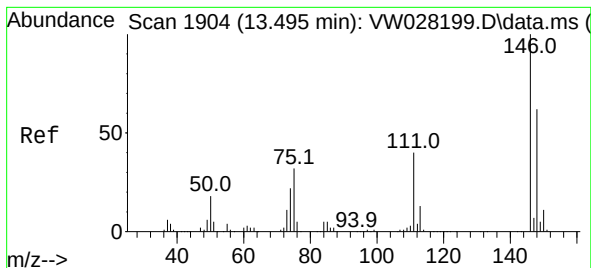
Tgt Ion:105 Resp: 222576
Ion Ratio Lower Upper
105 100
120 46.8 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 22.072 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW028211.D
Acq: 20 Mar 2024 11:00

Tgt Ion:105 Resp: 259404
Ion Ratio Lower Upper
105 100
120 45.2 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 22.066 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

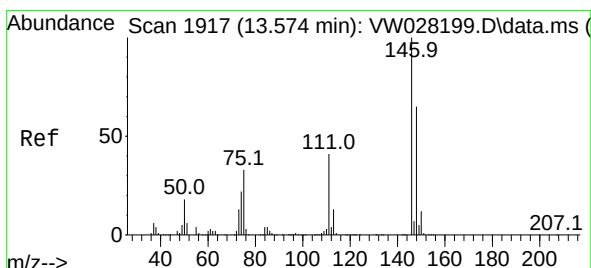
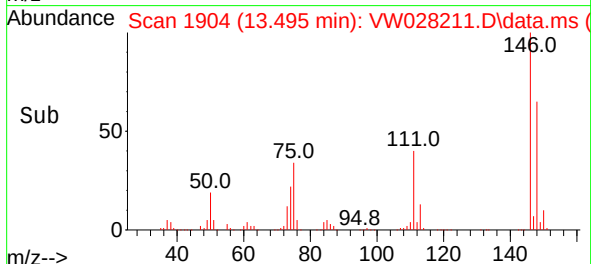
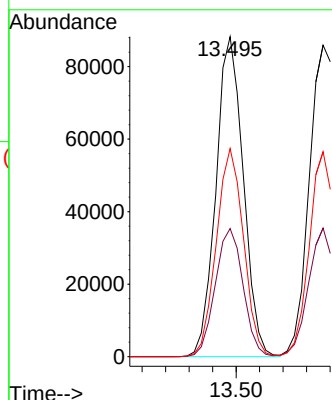
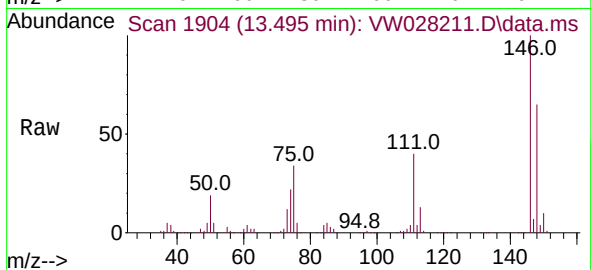
Tgt Ion:146 Resp: 142795

Ion Ratio Lower Upper

146 100

111 40.0 28.5 52.9

148 65.1 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 21.916 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

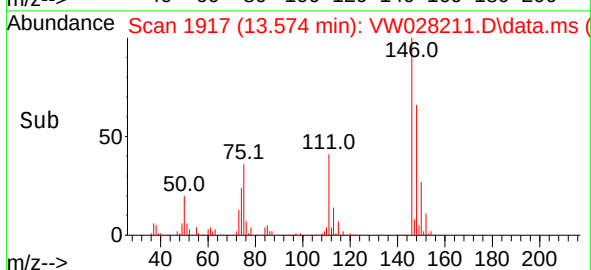
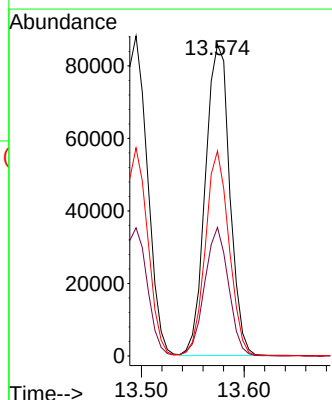
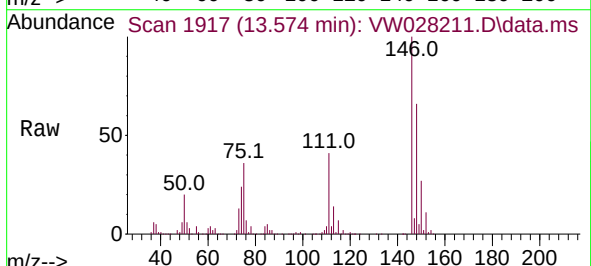
Tgt Ion:146 Resp: 141820

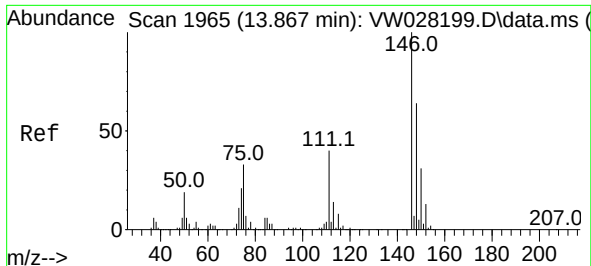
Ion Ratio Lower Upper

146 100

111 41.3 28.8 53.6

148 65.8 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 22.168 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

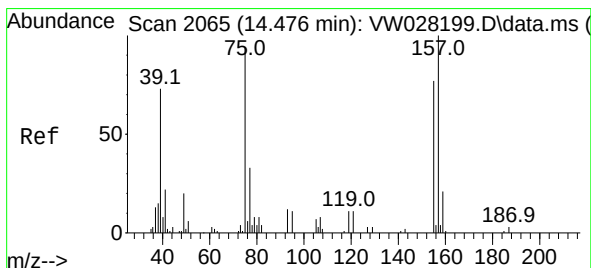
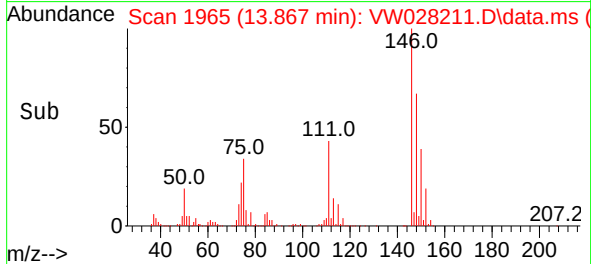
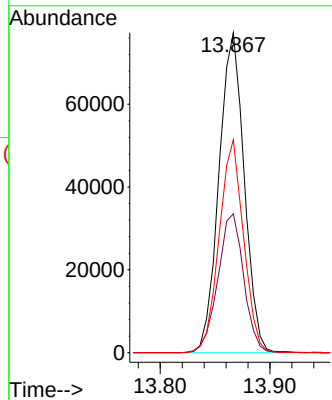
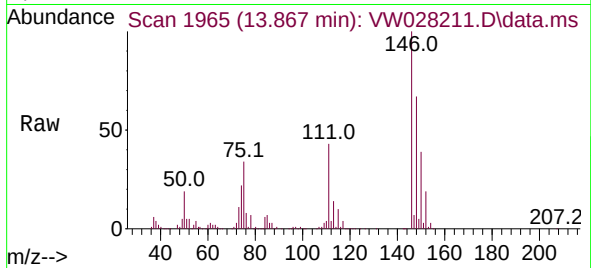
Tgt Ion:146 Resp: 123542

Ion Ratio Lower Upper

146 100

111 43.4 34.2 51.2

148 66.5 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 19.618 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

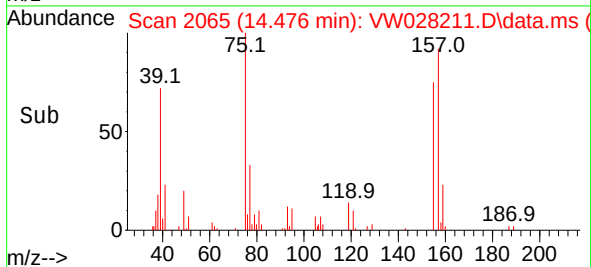
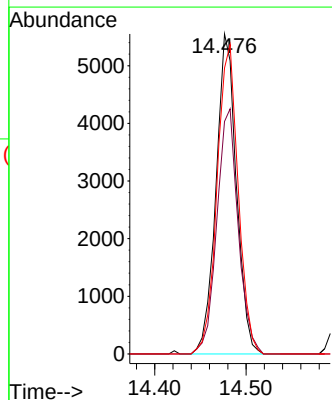
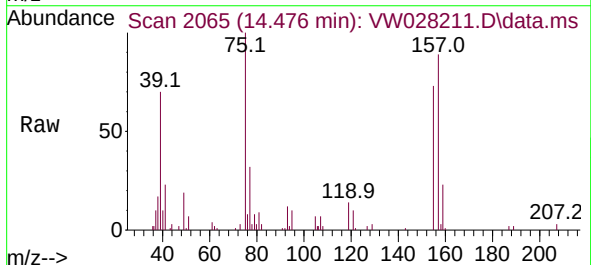
Tgt Ion: 75 Resp: 8587

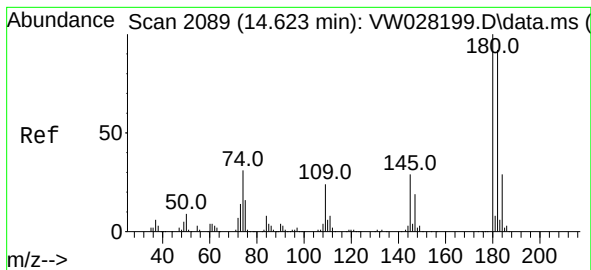
Ion Ratio Lower Upper

75 100

155 72.6 61.1 91.7

157 89.4 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 21.952 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 98954

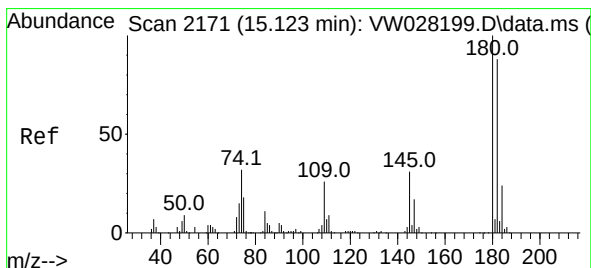
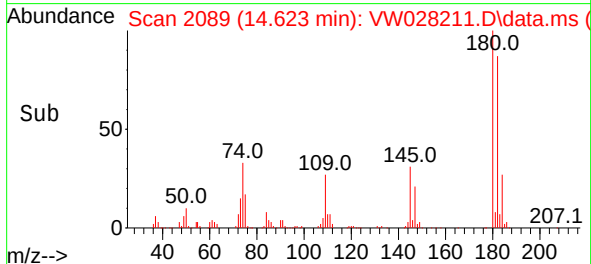
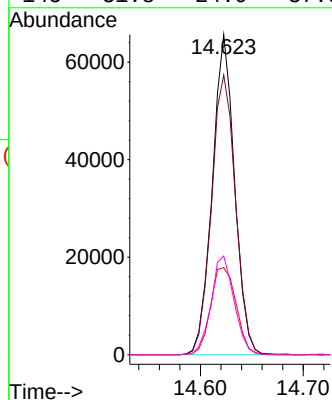
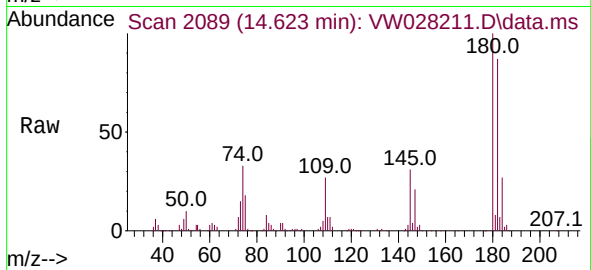
Ion Ratio Lower Upper

180 100

182 93.9 76.6 114.8

184 31.2 23.5 35.3

145 31.8 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 21.533 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.000 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

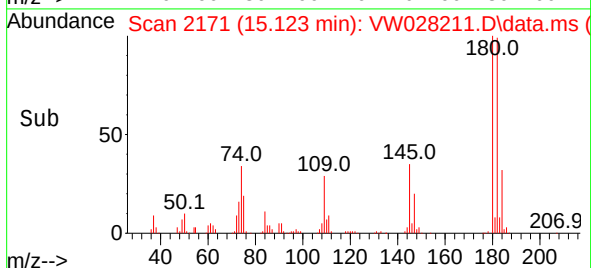
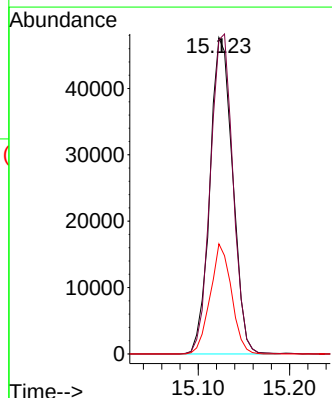
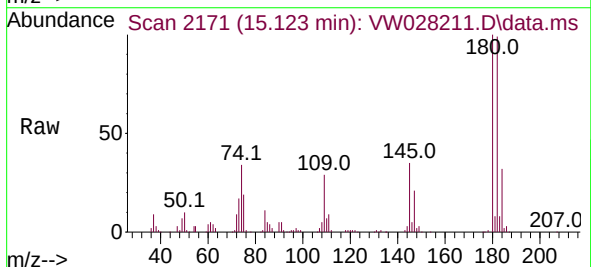
Tgt Ion:180 Resp: 82459

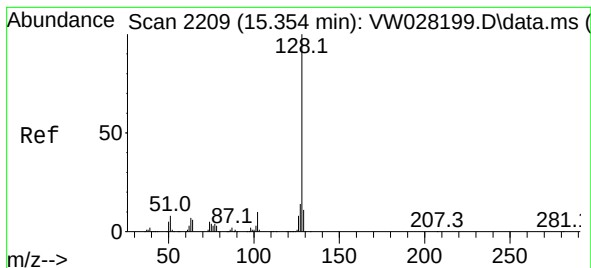
Ion Ratio Lower Upper

180 100

182 100.0 73.8 110.8

145 32.4 25.0 37.6





#71

Naphthalene

Concen: 22.282 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Instrument :

MSVOA_W

ClientSampleId :

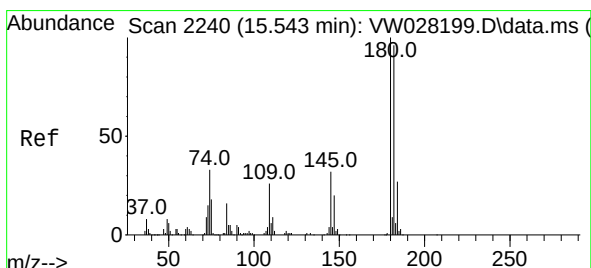
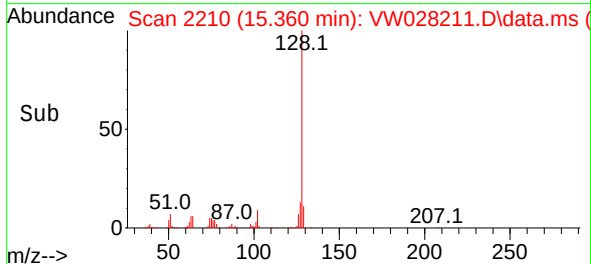
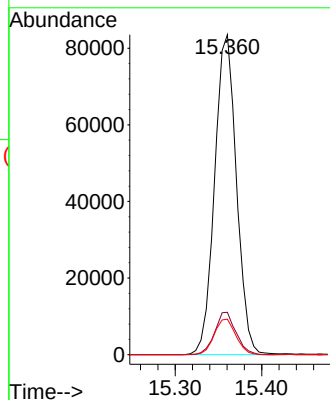
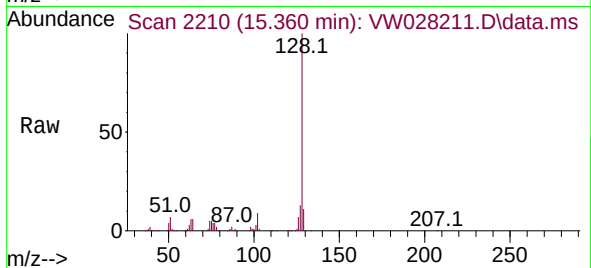
Tgt Ion:128 Resp: 146459

Ion Ratio Lower Upper

128 100

127 13.0 10.9 16.3

129 11.1 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 22.139 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW028211.D

Acq: 20 Mar 2024 11:00

Tgt Ion:180 Resp: 69890

Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

145 34.4 27.1 40.7

