

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052022\
 Data File : VW023220.D
 Acq On : 21 May 2022 00:36
 Operator : SY/VA
 Sample : N2925-22MSD
 Misc : 4.84g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EXXZ7MSD

Quant Time: May 21 01:51:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 21 01:30:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	361695	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	362326	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	201883	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	130766	17.622	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.480%
7) Chloroethane-d5	2.879	69	94885	19.654	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.600%
11) 1,1-Dichloroethene-d2	4.019	63	158017	16.480	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.920%
21) 2-Butanone-d5	7.080	46	65540	46.452	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.900%
24) Chloroform-d	7.647	84	254089	23.978	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.920%
26) 1,2-Dichloroethane-d4	8.305	65	141500	24.346	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	8.275	84	463256	22.182	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.720%
36) 1,2-Dichloropropane-d6	9.274	67	142250	24.248	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.000%
41) Toluene-d8	10.323	98	442586	21.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.760%
43) trans-1,3-Dichloroprop...	10.579	79	58560	21.680	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.720%
47) 2-Hexanone-d5	10.927	63	54602	48.756	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.520%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	136814	25.021	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.080%
66) 1,2-Dichlorobenzene-d4	13.853	152	160927	22.803	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	29286	14.853	ug/L	97
3) Chloromethane	2.215	50	74366	19.518	ug/L	99
5) Vinyl chloride	2.361	62	100539	13.148	ug/L	97
6) Bromomethane	2.776	94	56002	11.407	ug/L	91
8) Chloroethane	2.916	64	48736	13.214	ug/L	97
9) Trichlorofluoromethane	3.257	101	42285	12.099	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	76690	14.675	ug/L	100
12) 1,1-Dichloroethene	4.044	96	62294	13.447	ug/L	89
13) Acetone	4.129	43	35217	33.339	ug/L	98
14) Carbon disulfide	4.385	76	115357	9.083	ug/L	100
15) Methyl Acetate	4.672	43	32504	15.316	ug/L	97
16) Methylene chloride	4.915	84	85984	16.246	ug/L	96
17) trans-1,2-Dichloroethene	5.421	96	71236	13.665	ug/L	95
18) Methyl tert-butyl Ether	5.427	73	143589	18.043	ug/L	99
19) 1,1-Dichloroethane	6.214	63	145946	16.518	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	90843	16.224	ug/L #	97
22) 2-Butanone	7.171	43	44814	30.336	ug/L	96
23) Bromochloromethane	7.519	128	41707	15.905	ug/L	92
25) Chloroform	7.671	83	171304	17.534	ug/L	96

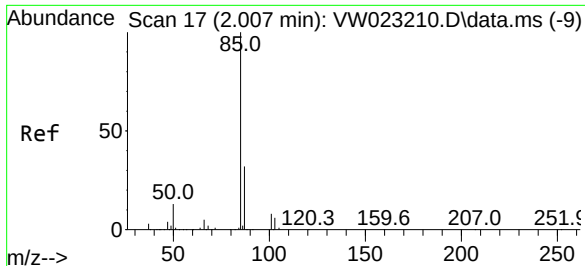
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052022\
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 Quant Title : SFAM01.0
 QLast Update : Sat May 21 01:30:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	108190	16.613	ug/L	98
29) Cyclohexane	7.958	56	97570	12.452	ug/L	100
30) 1,1,1-Trichloroethane	7.872	97	137494	16.058	ug/L	99
31) Carbon tetrachloride	8.067	117	118113	14.747	ug/L	98
33) Benzene	8.323	78	328870	15.407	ug/L	100
34) Trichloroethene	9.091	95	89935	15.321	ug/L	97
35) Methylcyclohexane	9.335	83	122242	12.676	ug/L	99
37) 1,2-Dichloropropane	9.366	63	84753	16.408	ug/L	98
38) Bromodichloromethane	9.646	83	124441	16.961	ug/L	95
39) cis-1,3-Dichloropropene	10.073	75	131522	16.421	ug/L	99
40) 4-Methyl-2-pentanone	10.213	43	103106	31.669	ug/L	99
42) Toluene	10.384	91	387124	16.183	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	116239	16.260	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	74885	17.342	ug/L	98
46) Tetrachloroethene	10.859	164	64969	14.727	ug/L	87
48) 2-Hexanone	10.969	43	74614	34.300	ug/L	97
49) Dibromochloromethane	11.128	129	88201	16.971	ug/L	96
50) 1,2-Dibromoethane	11.237	107	68478	15.793	ug/L	92
51) Chlorobenzene	11.652	112	263340	16.699	ug/L	98
52) Ethylbenzene	11.731	91	429879	16.153	ug/L	99
53) m,p-Xylene	11.841	106	169569	16.171	ug/L	100
54) o-Xylene	12.164	106	167869	16.683	ug/L	95
55) Styrene	12.176	104	297465	17.397	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.713	83	90138	16.713	ug/L	96
59) Bromoform	12.353	173	45056	15.748	ug/L	99
60) Isopropylbenzene	12.463	105	453872	16.411	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	65789	16.309	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	249649	16.225	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	377639	16.346	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	203165	16.453	ug/L	94
65) 1,4-Dichlorobenzene	13.578	146	206649	16.202	ug/L	99
67) 1,2-Dichlorobenzene	13.865	146	194333	17.198	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	14250	16.164	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.627	180	136189	16.615	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	103755	15.736	ug/L	99
71) Naphthalene	15.365	128	229842	16.039	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	97691	16.717	ug/L	99

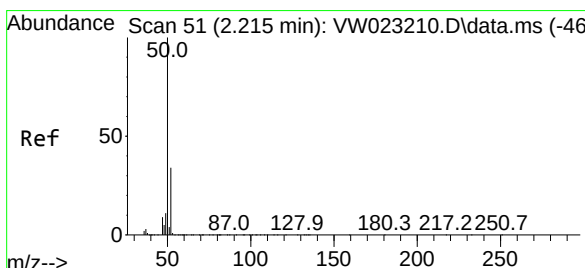
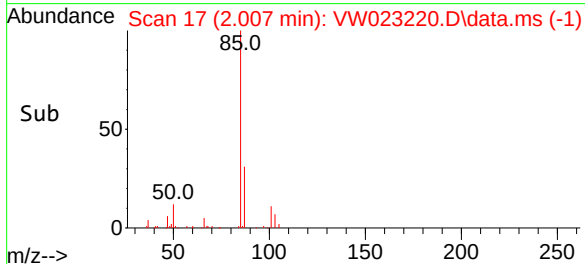
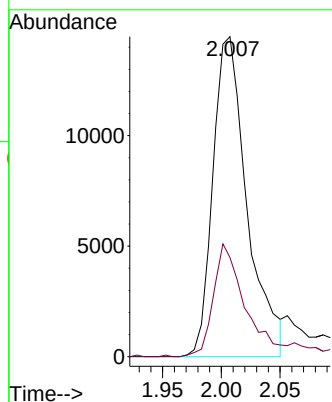
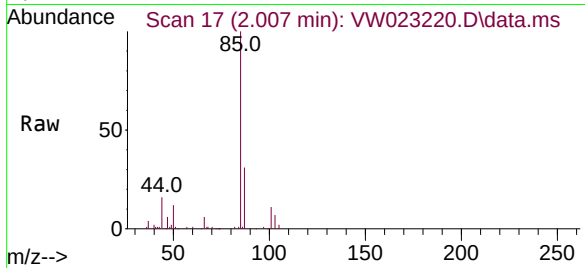
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 14.853 ug/L
RT: 2.007 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

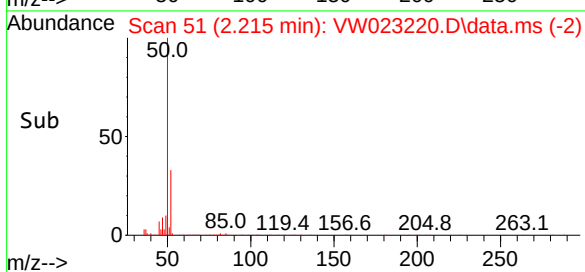
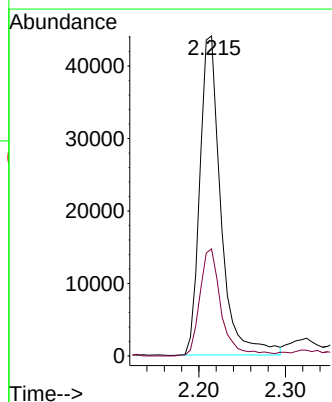
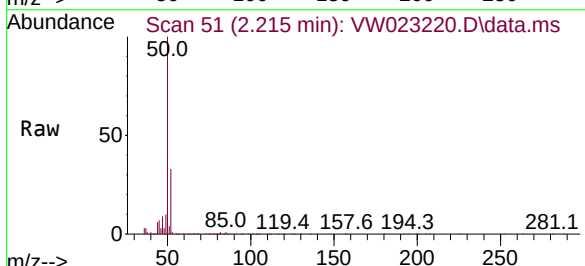
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

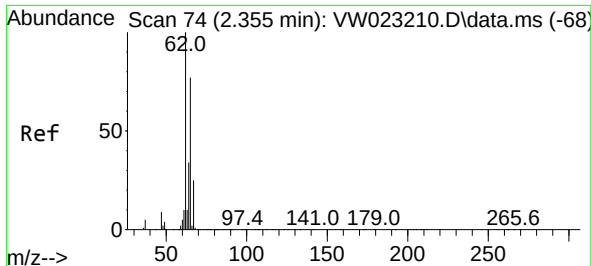
Tgt Ion: 85 Resp: 29286
Ion Ratio Lower Upper
85 100
87 32.9 27.8 41.8



#3
Chloromethane
Concen: 19.518 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 50 Resp: 74366
Ion Ratio Lower Upper
50 100
52 33.5 23.1 42.9

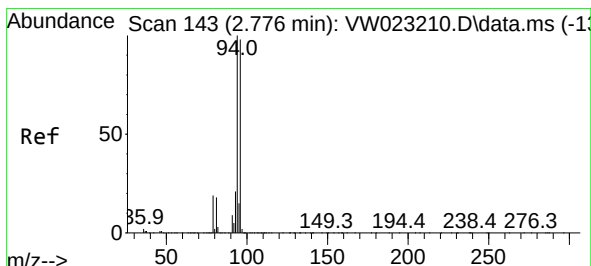
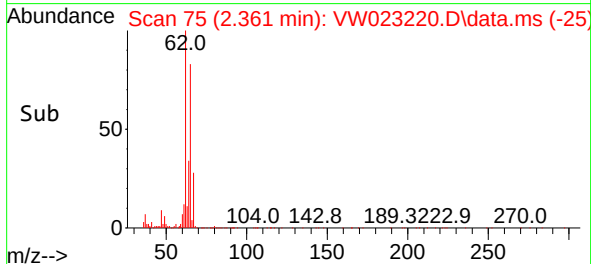
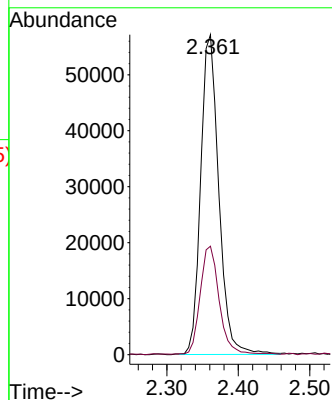
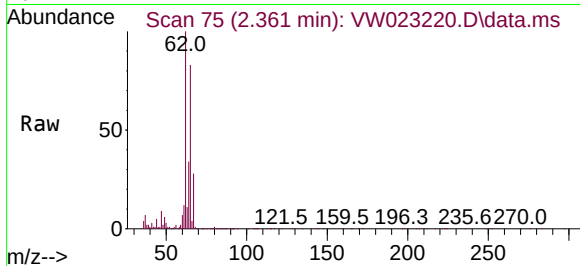




#5
 Vinyl chloride
 Concen: 13.148 ug/L
 RT: 2.361 min Scan# 74
 Delta R.T. 0.006 min
 Lab File: VW023220.D
 Acq: 21 May 2022 00:36

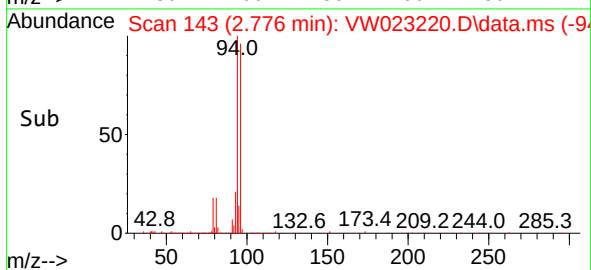
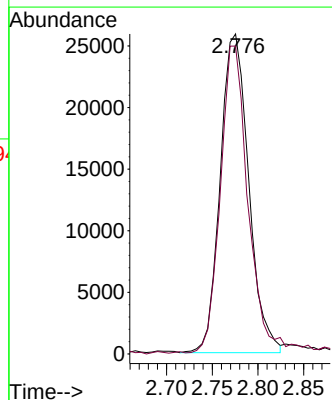
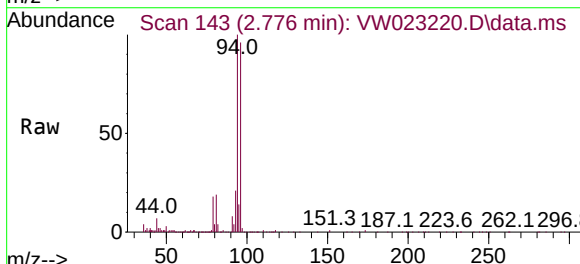
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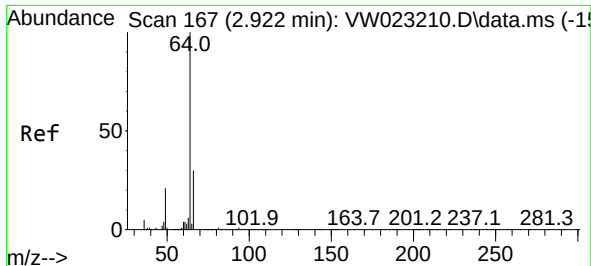
Tgt Ion: 62 Resp: 100539
 Ion Ratio Lower Upper
 62 100
 64 33.9 24.9 46.3



#6
 Bromomethane
 Concen: 11.407 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VW023220.D
 Acq: 21 May 2022 00:36

Tgt Ion: 94 Resp: 56002
 Ion Ratio Lower Upper
 94 100
 96 96.2 61.7 114.5

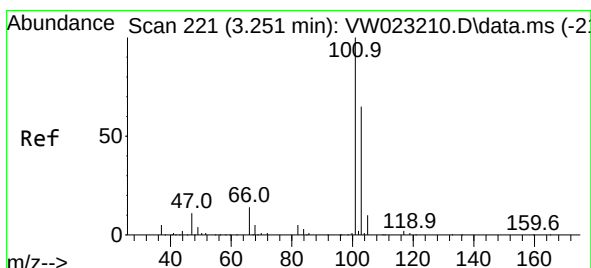
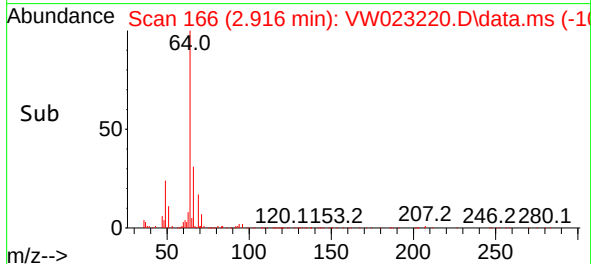
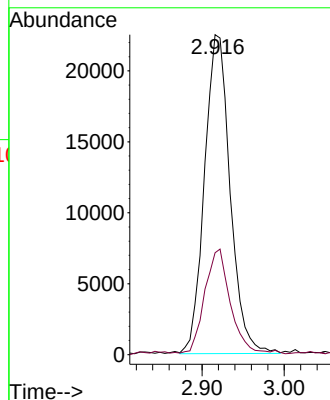
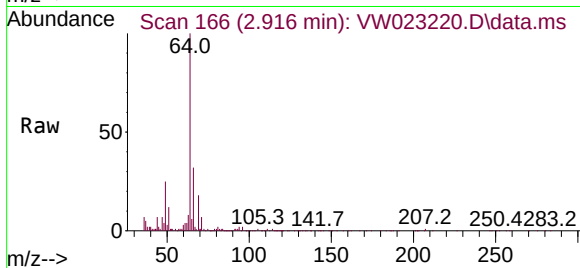




#8
Chloroethane
Concen: 13.214 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

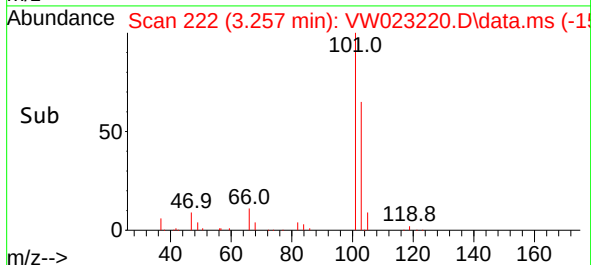
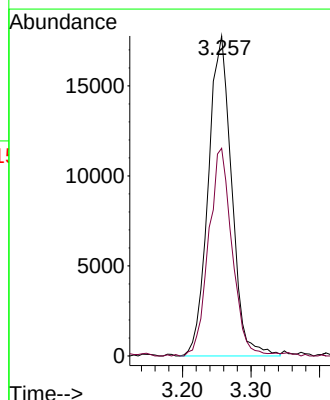
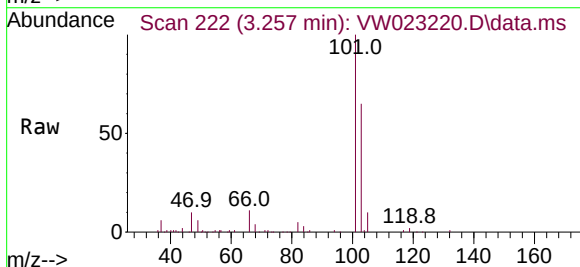
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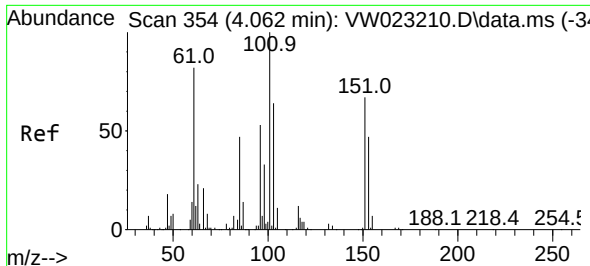
Tgt Ion: 64 Resp: 48736
Ion Ratio Lower Upper
64 100
66 31.8 23.4 43.6



#9
Trichlorofluoromethane
Concen: 12.099 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.006 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 101 Resp: 42285
Ion Ratio Lower Upper
101 100
103 64.5 53.9 80.9

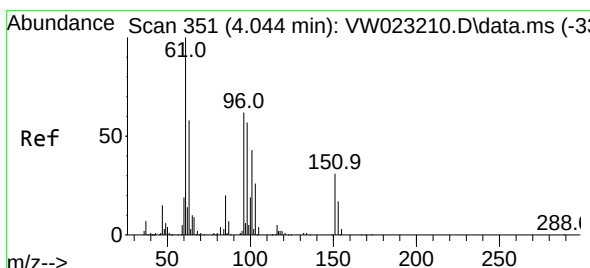
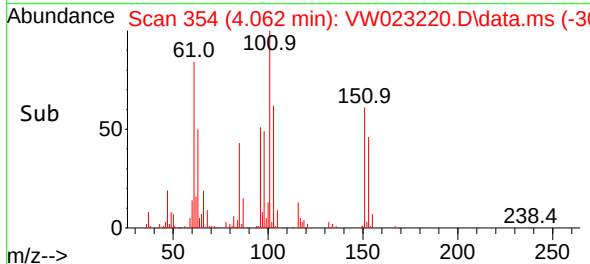
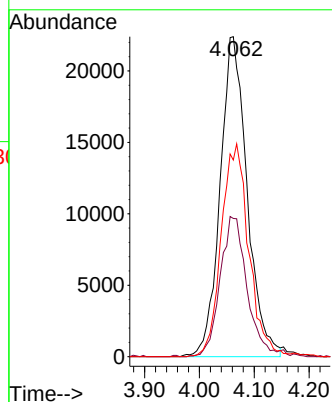
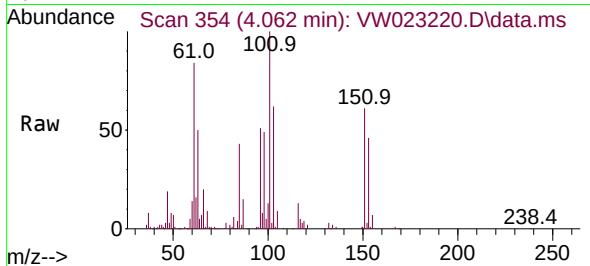




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 14.675 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW023220.D
 Acq: 21 May 2022 00:36

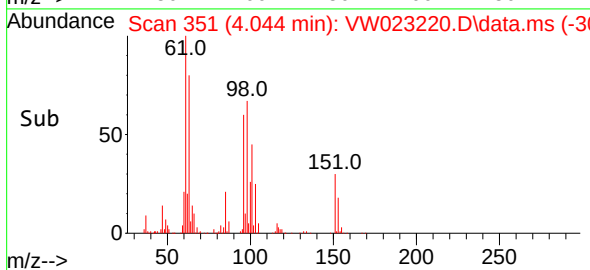
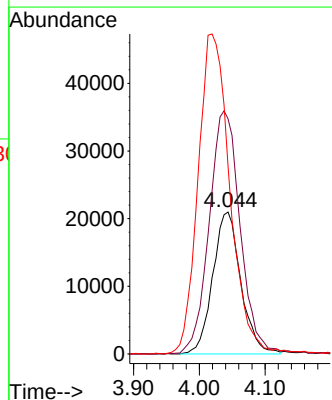
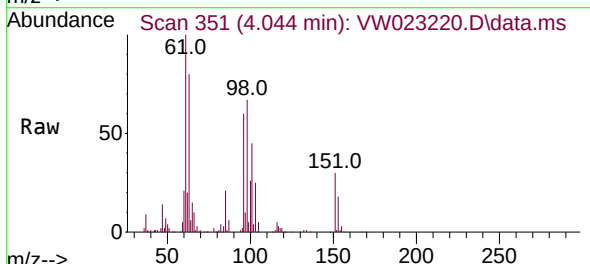
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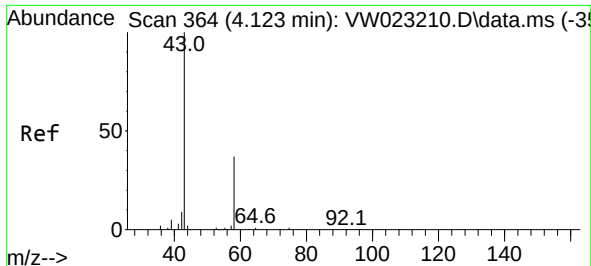
Tgt Ion:101 Resp: 76690
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.3 51.5
 151 67.6 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 13.447 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. -0.000 min
 Lab File: VW023220.D
 Acq: 21 May 2022 00:36

Tgt Ion: 96 Resp: 62294
 Ion Ratio Lower Upper
 96 100
 61 165.7 125.7 233.5
 63 132.3 83.4 155.0





#13

Acetone

Concen: 33.339 ug/L

RT: 4.129 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

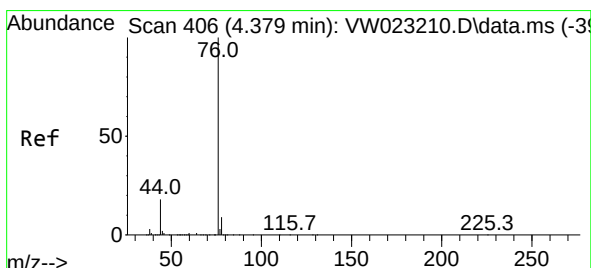
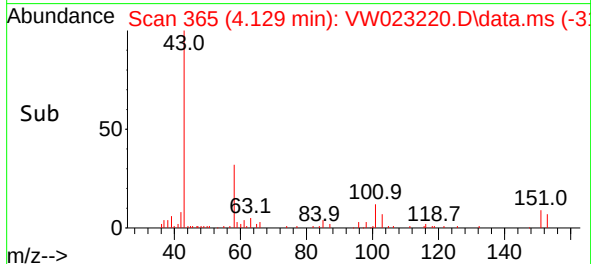
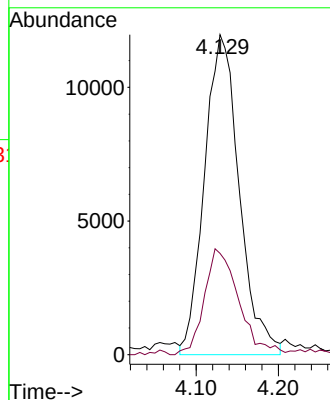
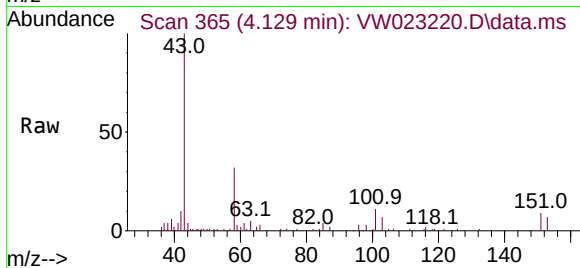
EXXZ7MSD

Tgt Ion: 43 Resp: 35217

Ion Ratio Lower Upper

43 100

58 30.9 0.0 64.0



#14

Carbon disulfide

Concen: 9.083 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.006 min

Lab File: VW023220.D

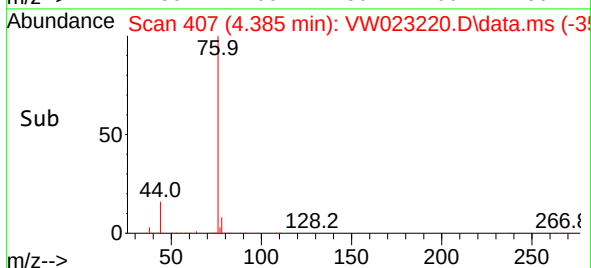
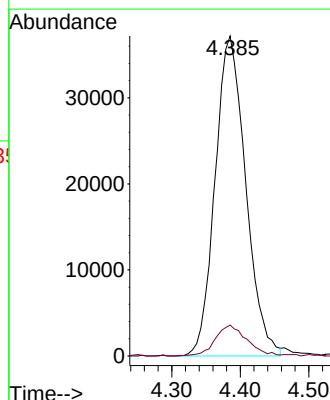
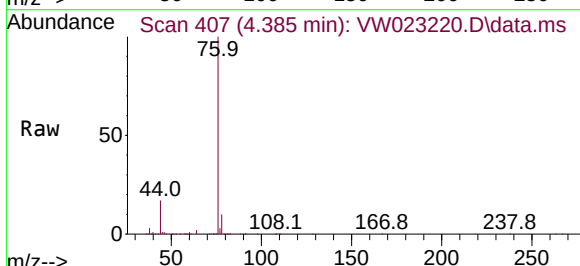
Acq: 21 May 2022 00:36

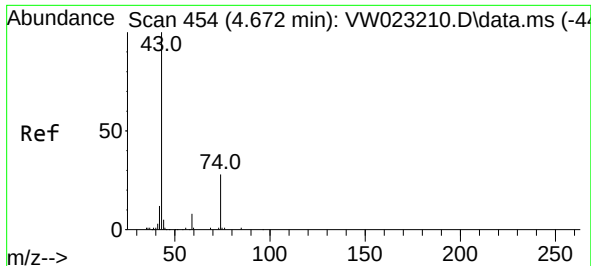
Tgt Ion: 76 Resp: 115357

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

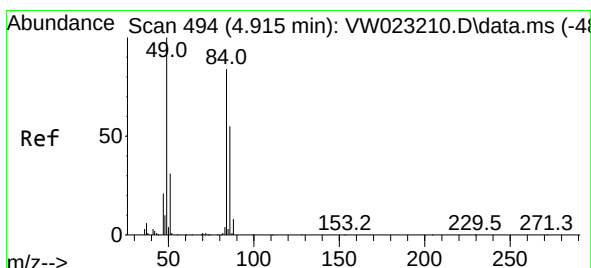
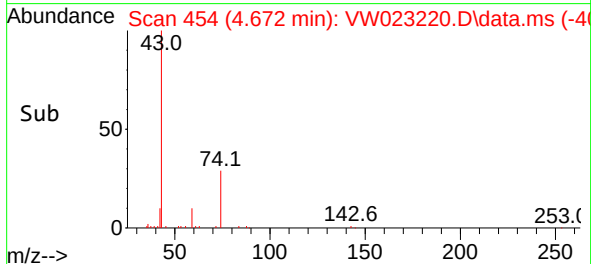
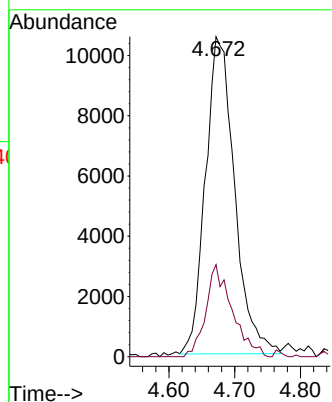
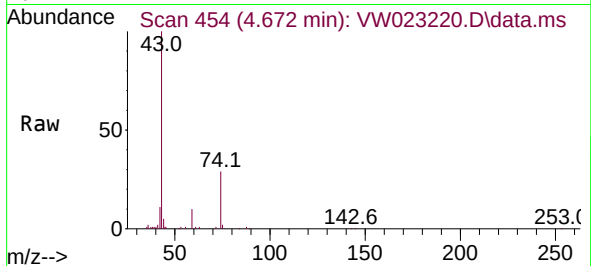




#15
Methyl Acetate
Concen: 15.316 ug/L
RT: 4.672 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

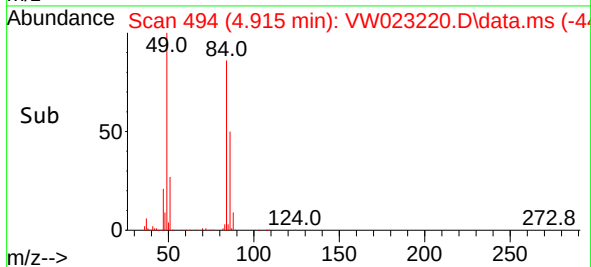
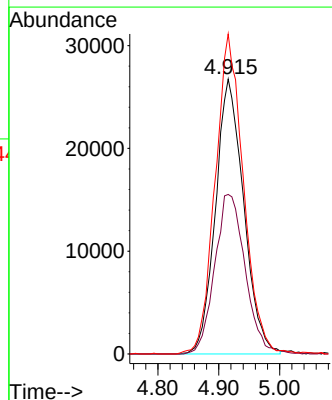
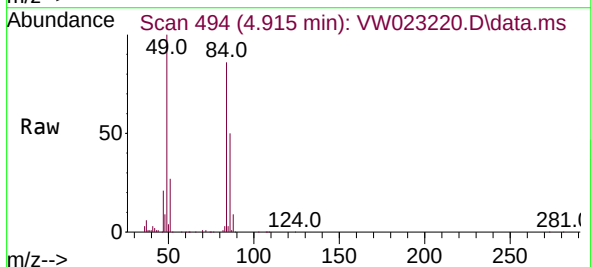
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

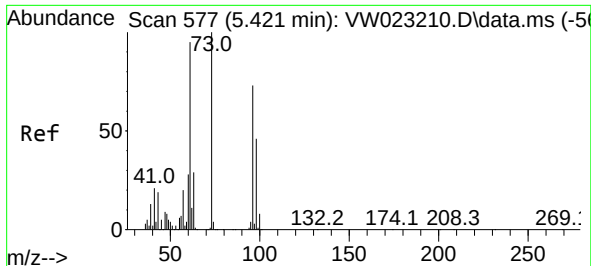
Tgt Ion: 43 Resp: 32504
Ion Ratio Lower Upper
43 100
74 25.7 21.9 32.9



#16
Methylene chloride
Concen: 16.246 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 84 Resp: 85984
Ion Ratio Lower Upper
84 100
86 58.0 45.4 84.4
49 116.4 82.5 153.1

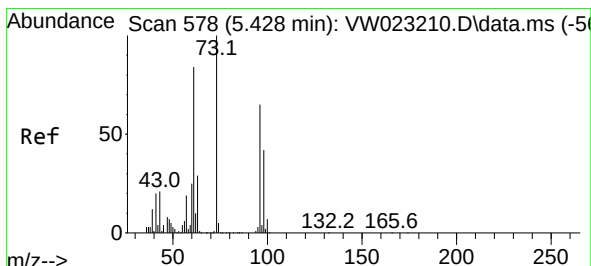
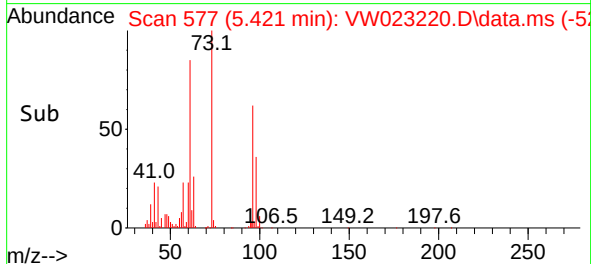
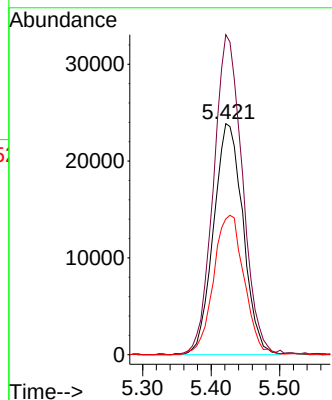
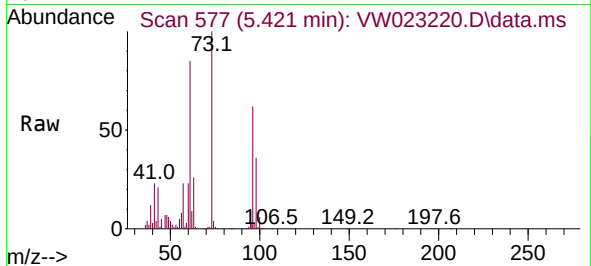




#17
trans-1,2-Dichloroethene
Concen: 13.665 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

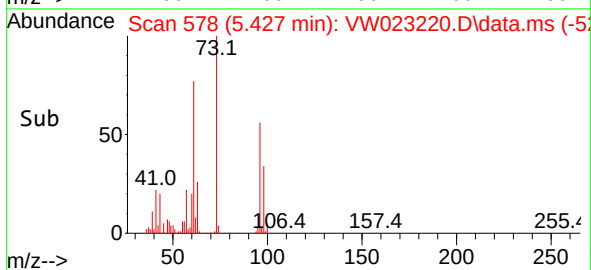
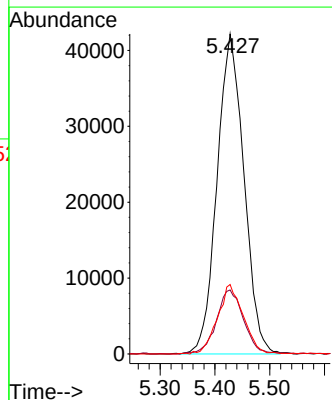
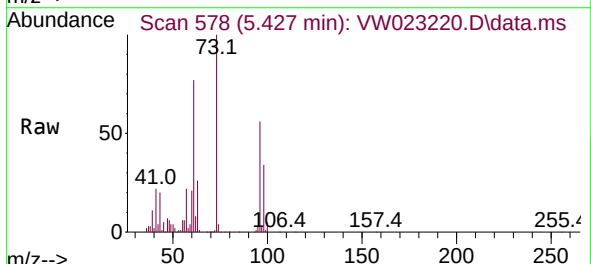
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

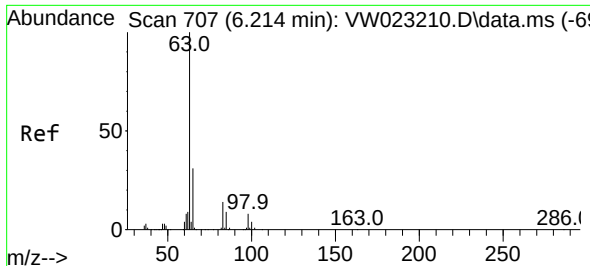
Tgt Ion: 96 Resp: 71236
Ion Ratio Lower Upper
96 100
61 138.5 92.2 171.2
98 58.8 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 18.043 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 73 Resp: 143589
Ion Ratio Lower Upper
73 100
43 20.4 15.9 23.9
57 20.5 16.5 24.7





#19

1,1-Dichloroethane

Concen: 16.518 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

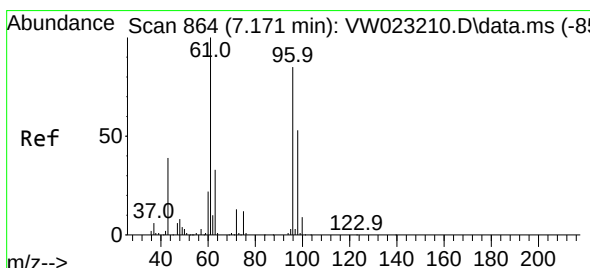
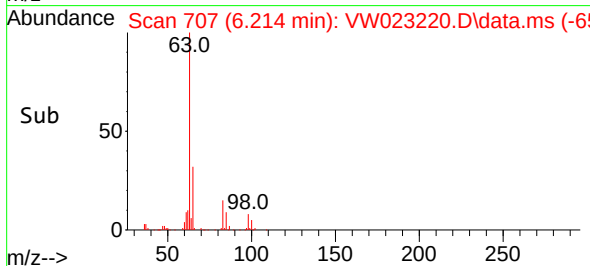
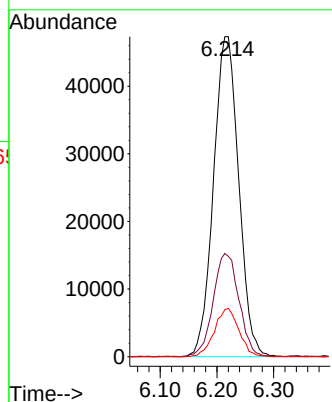
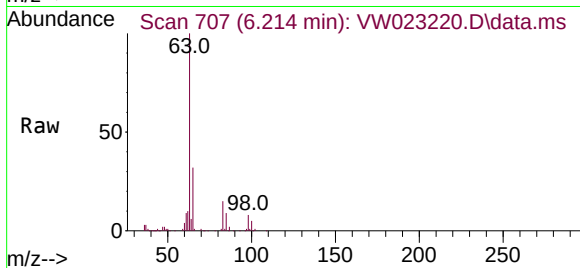
Tgt Ion: 63 Resp: 145946

Ion Ratio Lower Upper

63 100

65 32.3 23.3 43.3

83 14.7 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 16.224 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

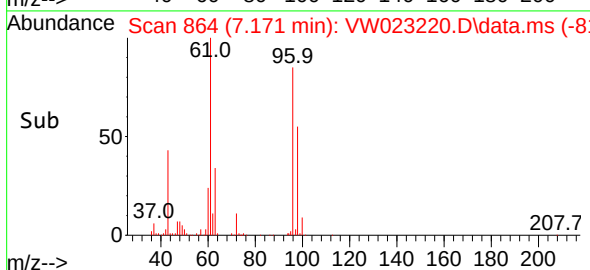
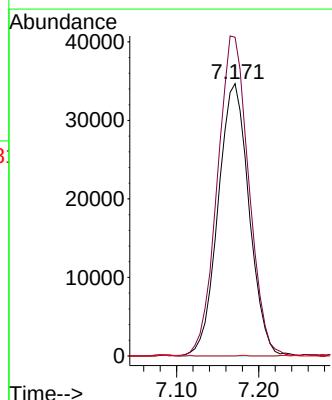
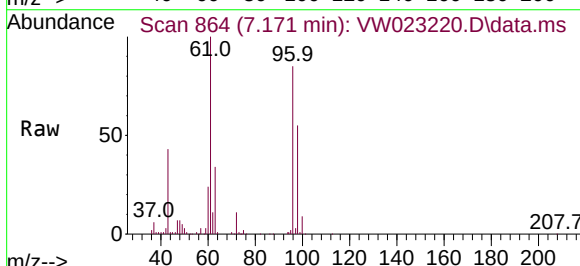
Tgt Ion: 96 Resp: 90843

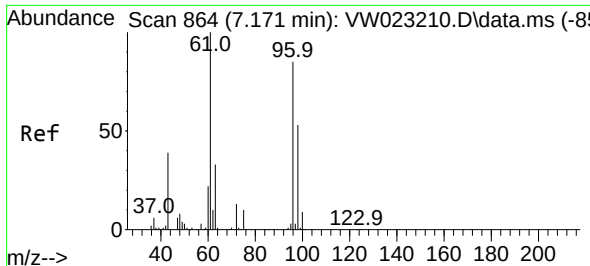
Ion Ratio Lower Upper

96 100

61 117.0 84.2 156.4

68 0.0 0.1 0.1#

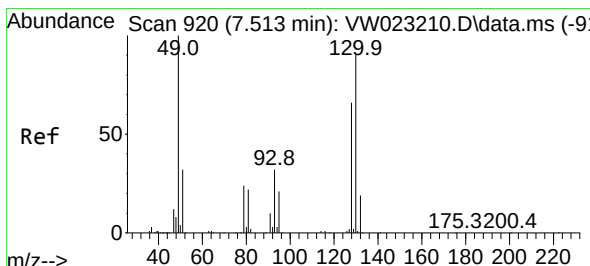
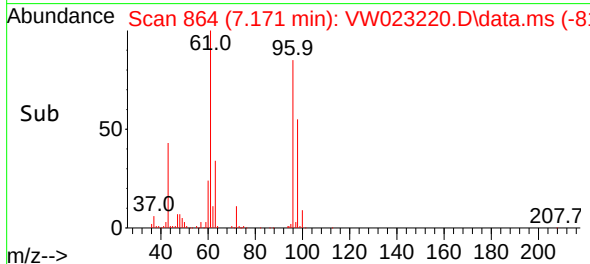
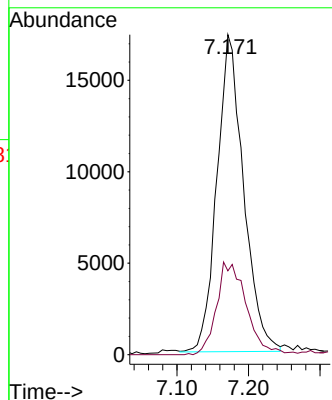
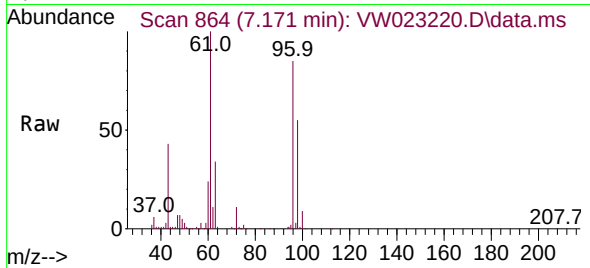




#22
2-Butanone
Concen: 30.336 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

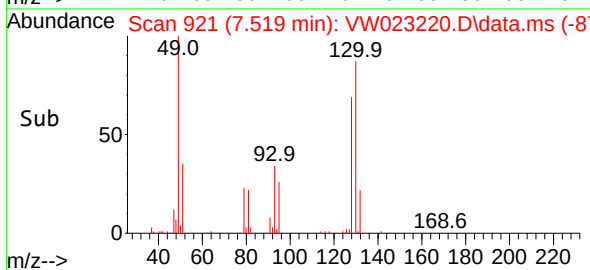
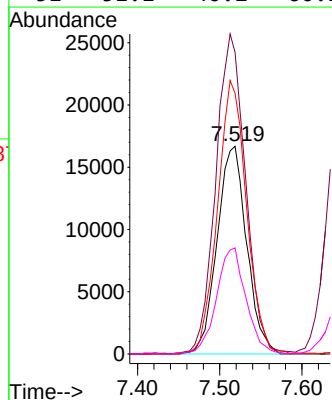
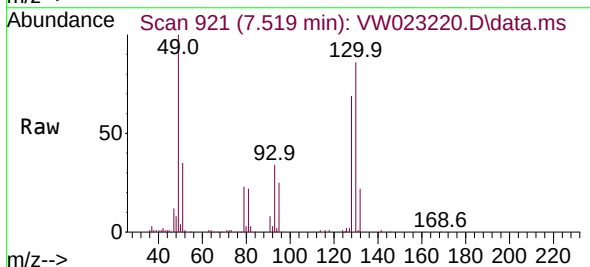
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

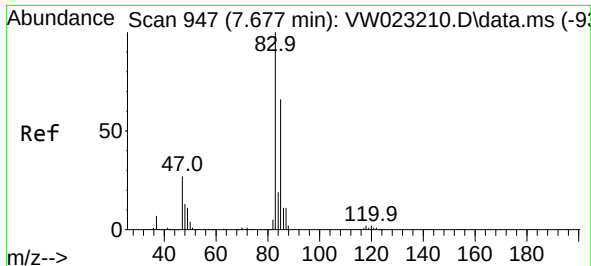
Tgt Ion: 43 Resp: 44814
Ion Ratio Lower Upper
43 100
72 32.4 15.1 45.3



#23
Bromochloromethane
Concen: 15.905 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 128 Resp: 41707
Ion Ratio Lower Upper
128 100
49 145.2 110.0 204.4
130 125.5 94.8 176.0
51 51.1 40.2 60.2





#25

Chloroform

Concen: 17.534 ug/L

RT: 7.671 min Scan# 947

Delta R.T. -0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

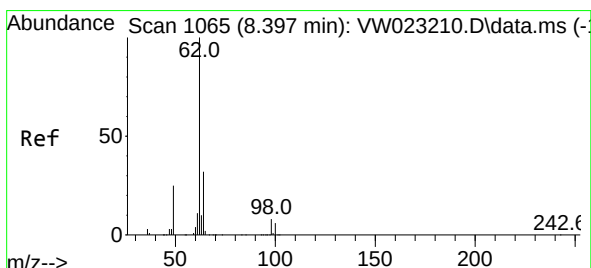
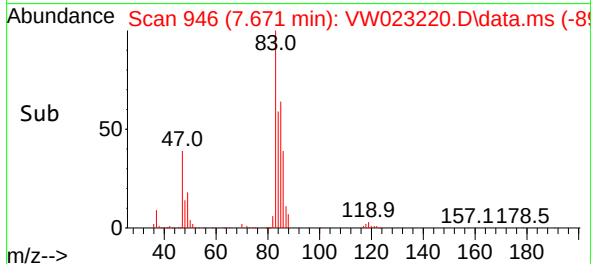
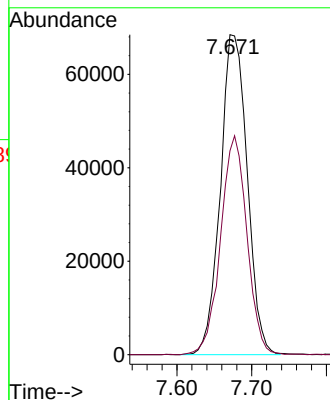
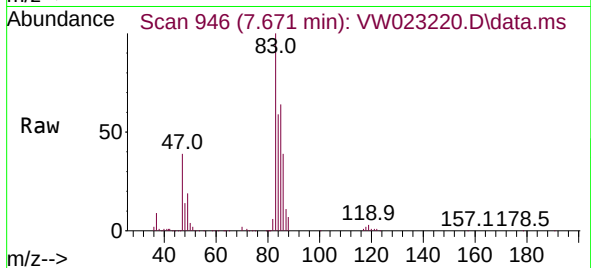
EXXZ7MSD

Tgt Ion: 83 Resp: 171304

Ion Ratio Lower Upper

83 100

85 63.7 46.6 86.6



#27

1,2-Dichloroethane

Concen: 16.613 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VW023220.D

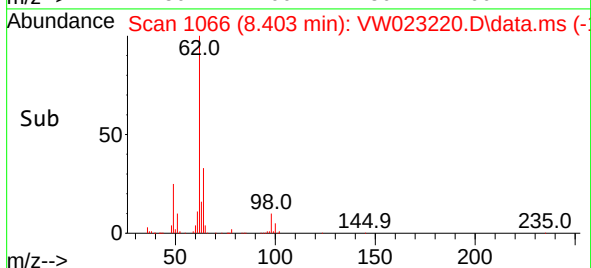
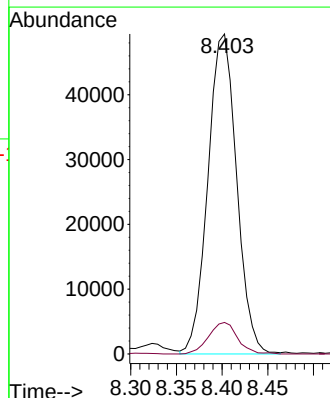
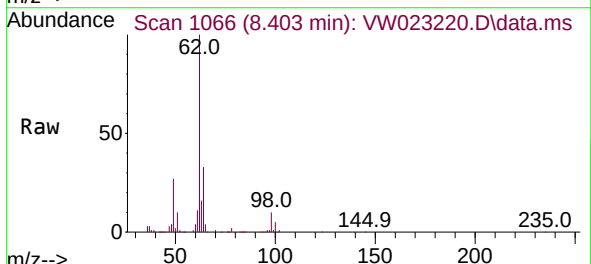
Acq: 21 May 2022 00:36

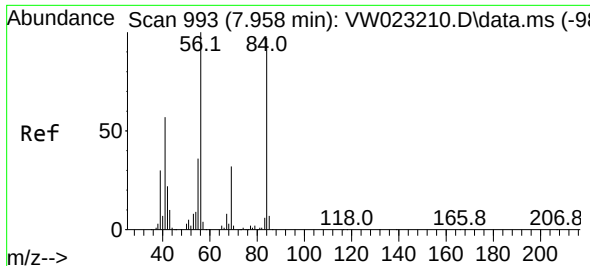
Tgt Ion: 62 Resp: 108190

Ion Ratio Lower Upper

62 100

98 9.8 7.2 10.8

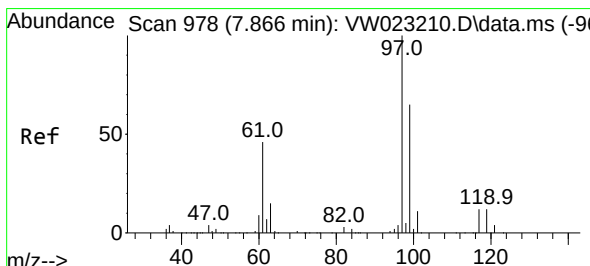
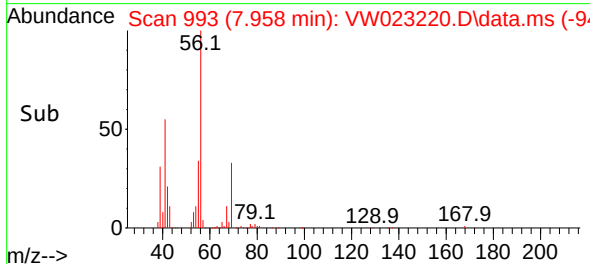
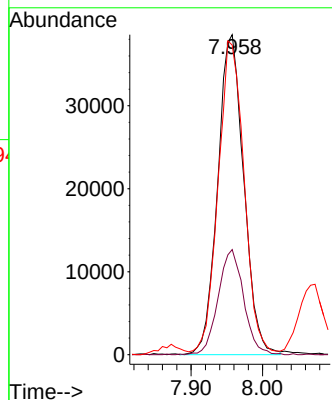
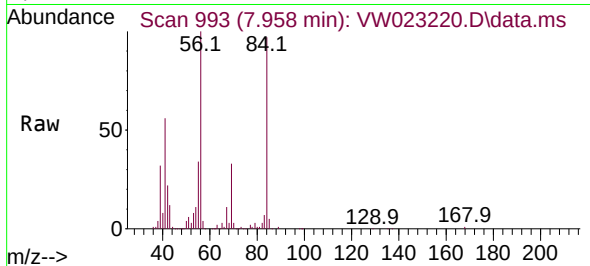




#29
Cyclohexane
Concen: 12.452 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

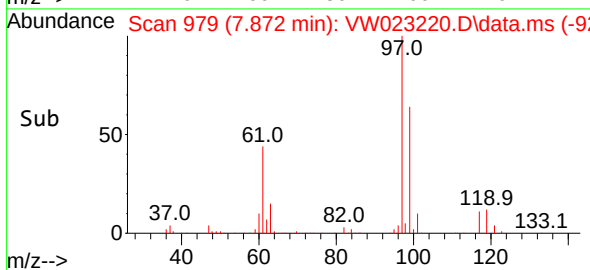
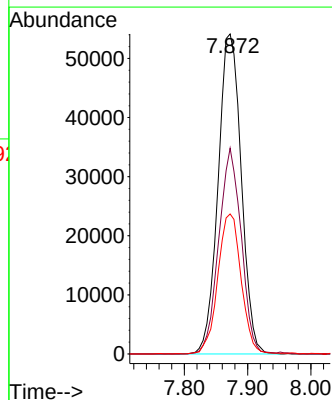
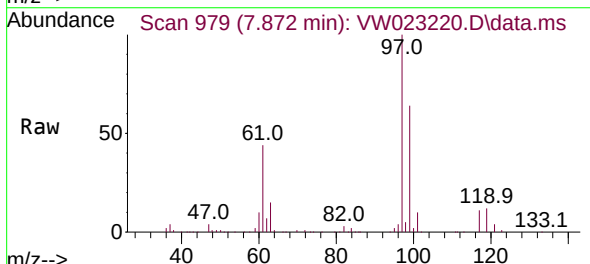
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

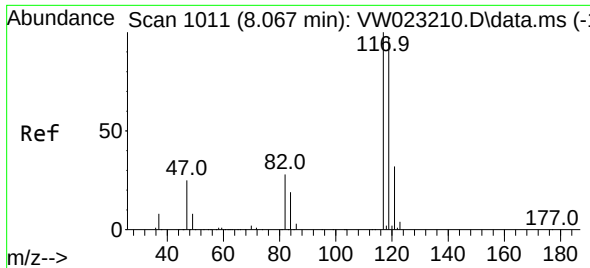
Tgt Ion: 56 Resp: 97570
Ion Ratio Lower Upper
56 100
69 32.0 25.6 38.4
84 97.6 78.2 117.4



#30
1,1,1-Trichloroethane
Concen: 16.058 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.006 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 97 Resp: 137494
Ion Ratio Lower Upper
97 100
99 62.3 51.0 76.4
61 44.1 34.8 52.2

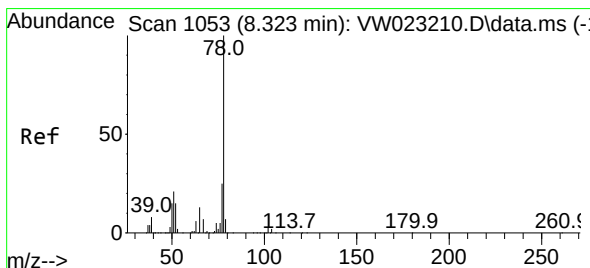
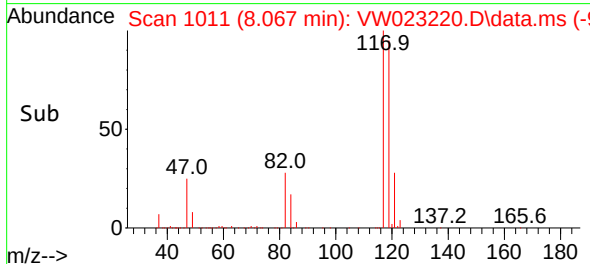
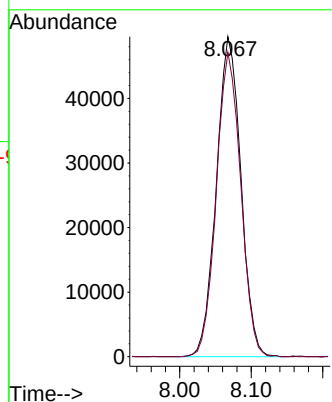
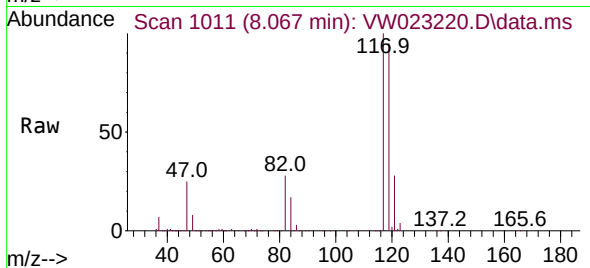




#31
Carbon tetrachloride
Concen: 14.747 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

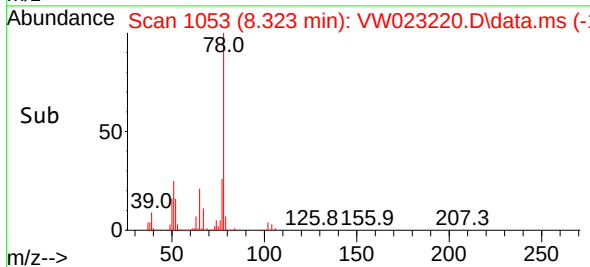
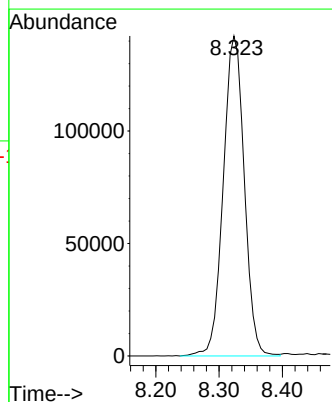
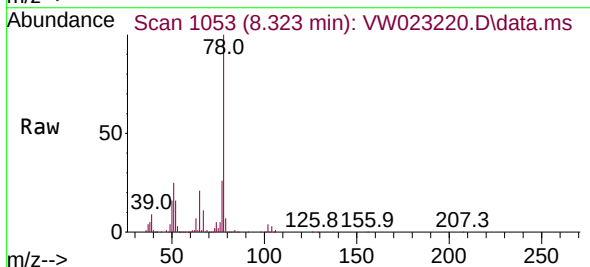
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

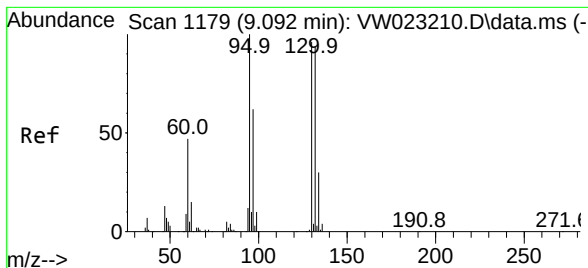
Tgt Ion:117 Resp: 118113
Ion Ratio Lower Upper
117 100
119 94.3 76.6 115.0



#33
Benzene
Concen: 15.407 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 78 Resp: 328870





#34

Trichloroethene

Concen: 15.321 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

Tgt Ion: 95 Resp: 89935

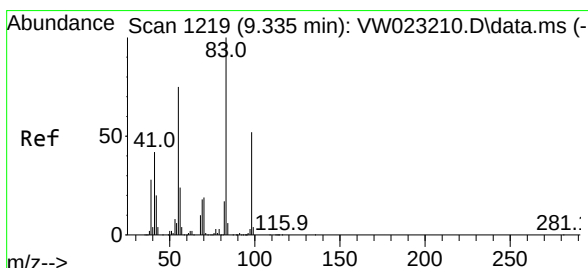
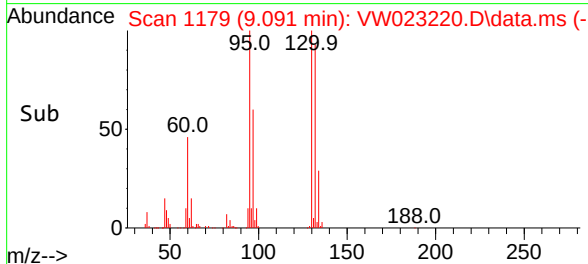
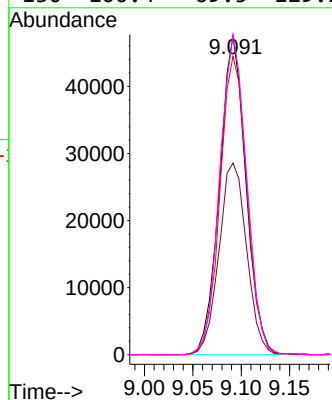
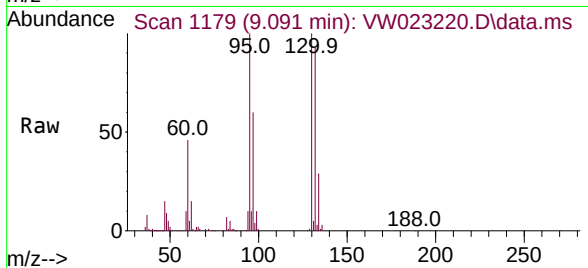
Ion Ratio Lower Upper

95 100

97 60.2 46.1 85.7

132 93.6 66.9 124.3

130 100.4 69.5 129.1



#35

Methylcyclohexane

Concen: 12.676 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

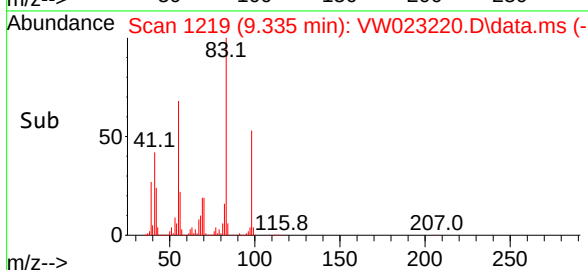
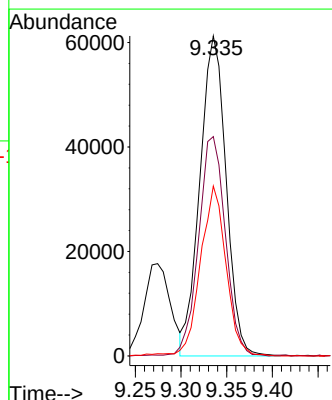
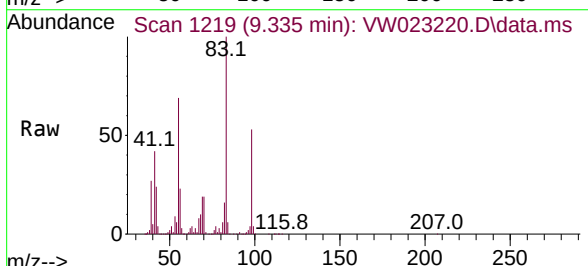
Tgt Ion: 83 Resp: 122242

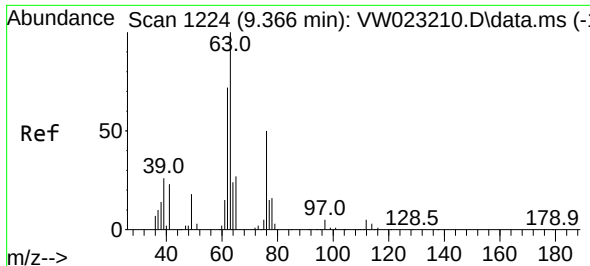
Ion Ratio Lower Upper

83 100

55 69.9 55.1 82.7

98 50.2 40.4 60.6





#37

1,2-Dichloropropane

Concen: 16.408 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

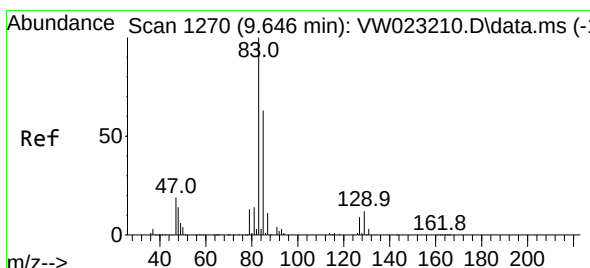
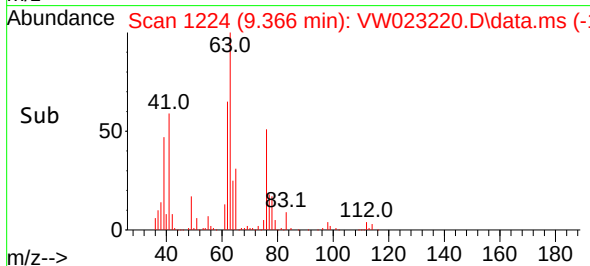
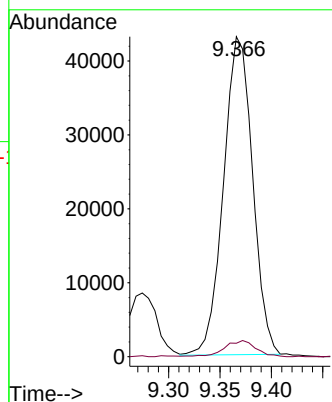
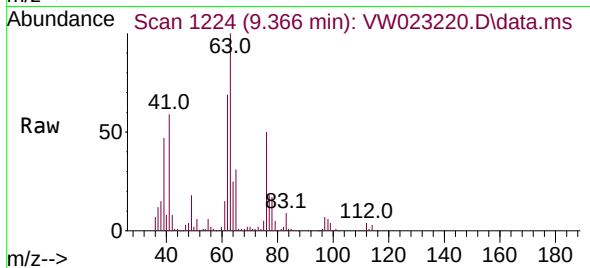
EXXZ7MSD

Tgt Ion: 63 Resp: 84753

Ion Ratio Lower Upper

63 100

112 5.5 3.8 5.8



#38

Bromodichloromethane

Concen: 16.961 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

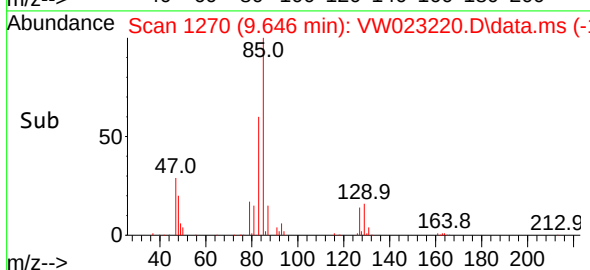
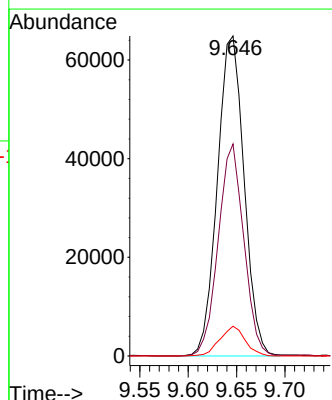
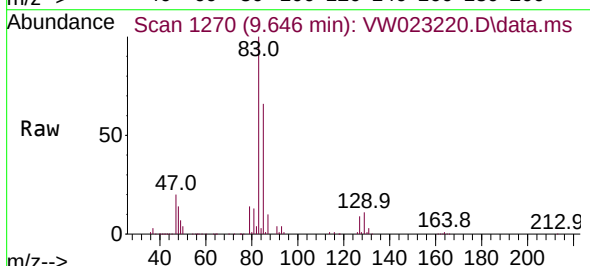
Tgt Ion: 83 Resp: 124441

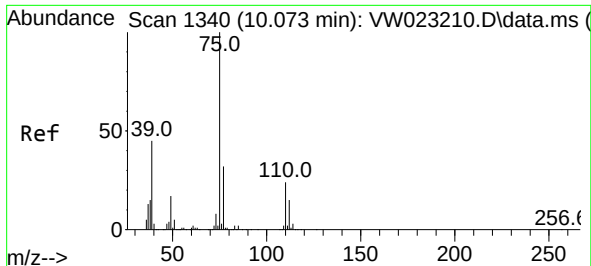
Ion Ratio Lower Upper

83 100

85 66.2 43.5 80.7

127 10.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 16.421 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

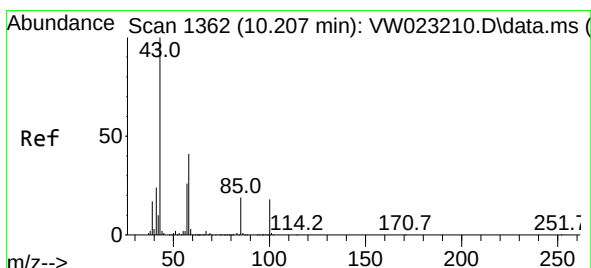
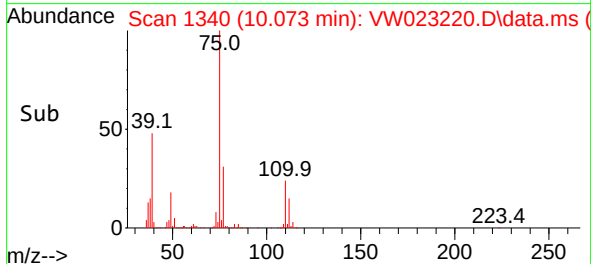
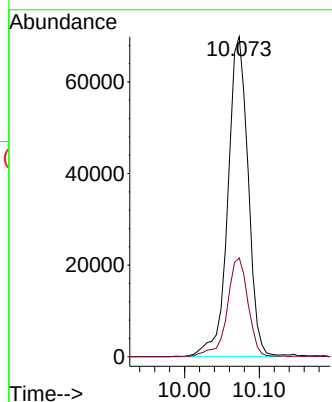
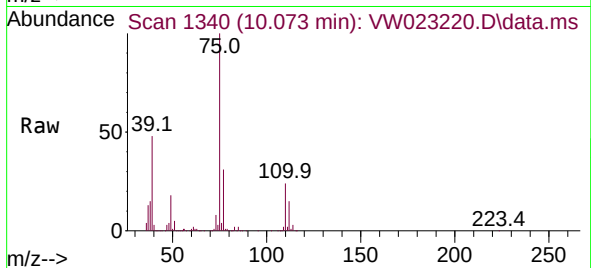
EXXZ7MSD

Tgt Ion: 75 Resp: 131522

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 31.669 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

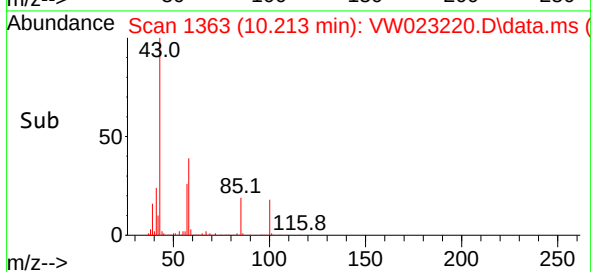
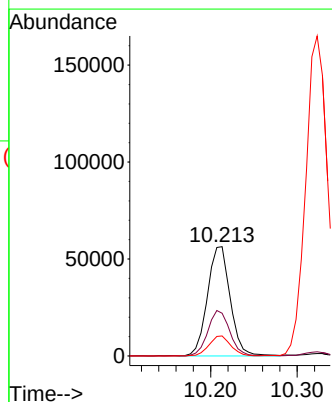
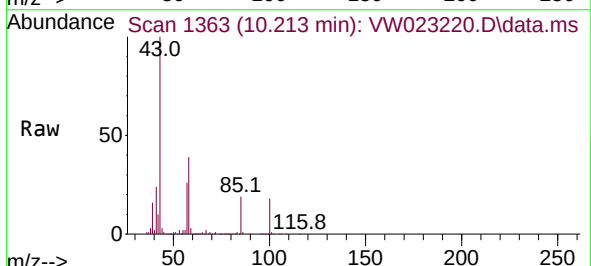
Tgt Ion: 43 Resp: 103106

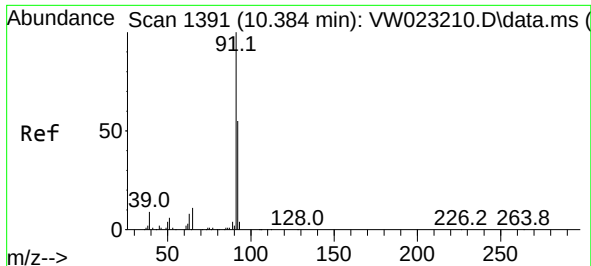
Ion Ratio Lower Upper

43 100

58 40.2 31.4 47.2

100 17.5 14.2 21.4

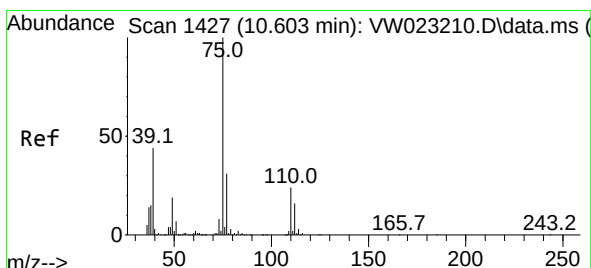
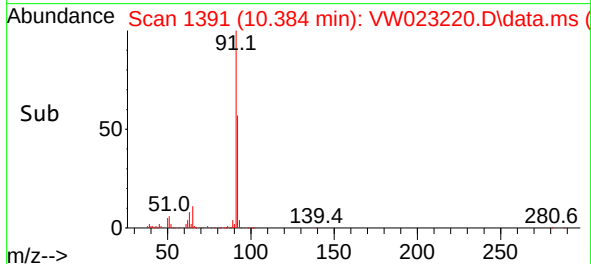
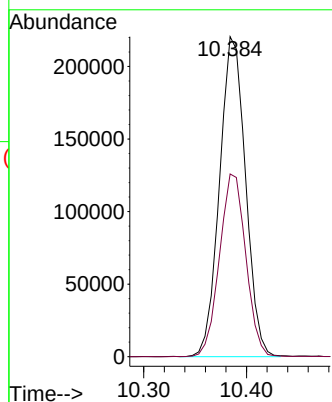
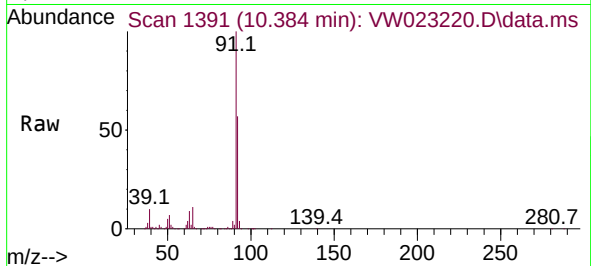




#42
Toluene
Concen: 16.183 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

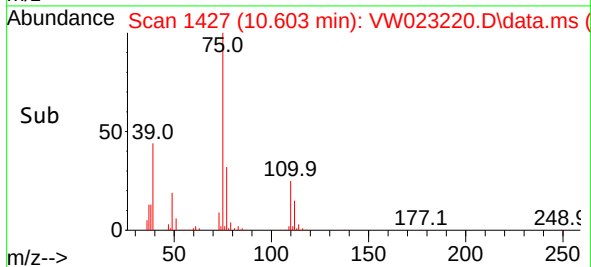
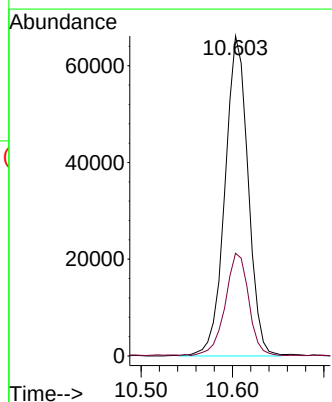
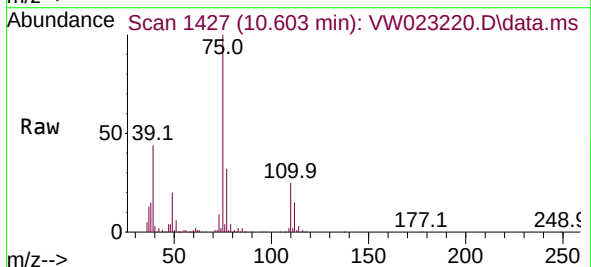
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

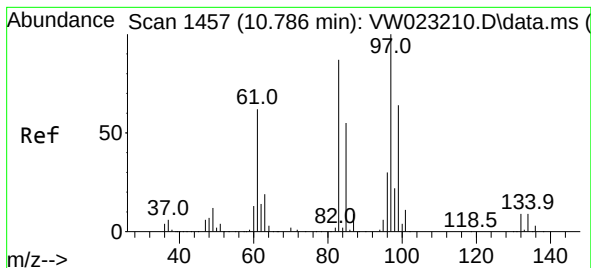
Tgt Ion: 91 Resp: 387124
Ion Ratio Lower Upper
91 100
92 57.1 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 16.260 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 75 Resp: 116239
Ion Ratio Lower Upper
75 100
77 32.1 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 17.342 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

Tgt Ion: 97 Resp: 74885

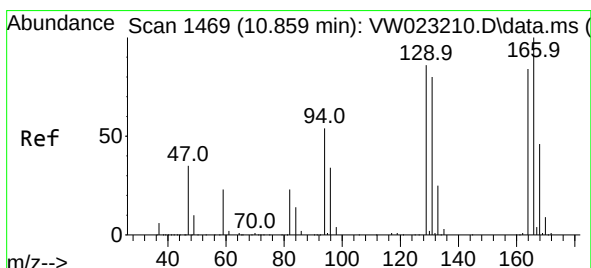
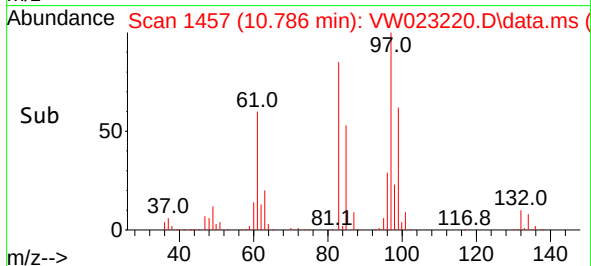
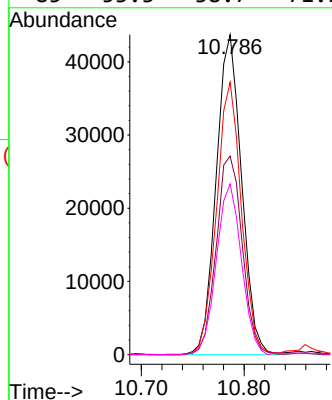
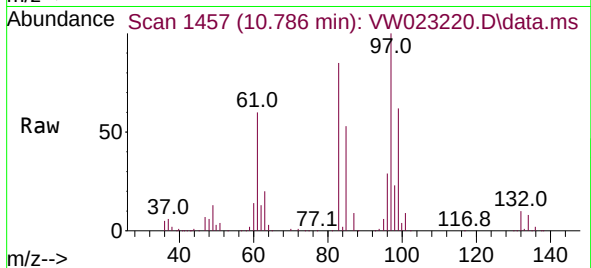
Ion Ratio Lower Upper

97 100

99 62.1 44.7 82.9

83 85.1 58.4 108.4

85 53.3 38.7 71.9



#46

Tetrachloroethene

Concen: 14.727 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Tgt Ion:164 Resp: 64969

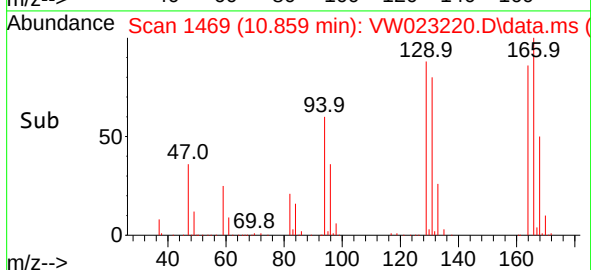
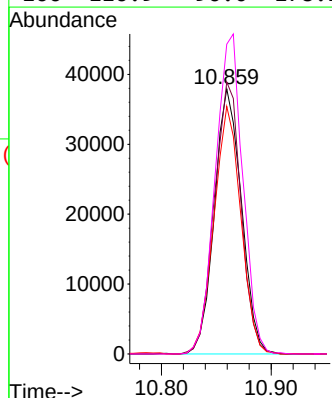
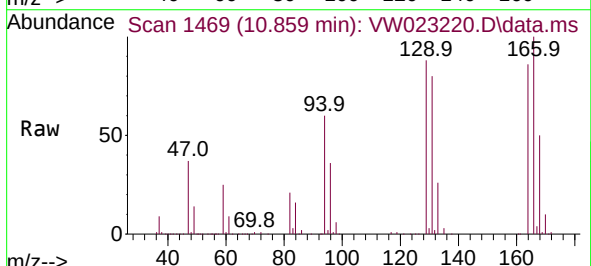
Ion Ratio Lower Upper

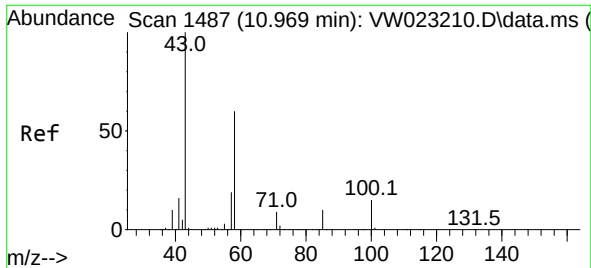
164 100

129 102.6 76.9 142.7

131 93.4 75.1 139.5

166 116.9 96.0 178.2

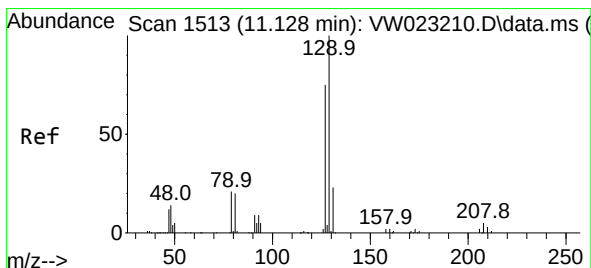
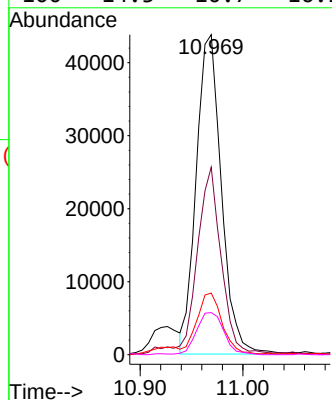
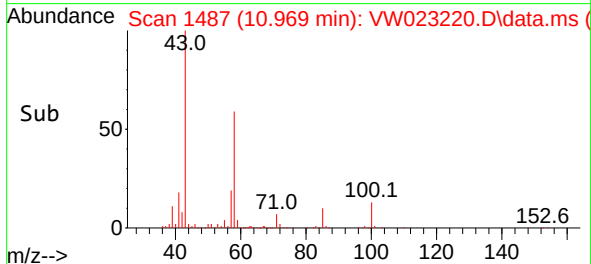
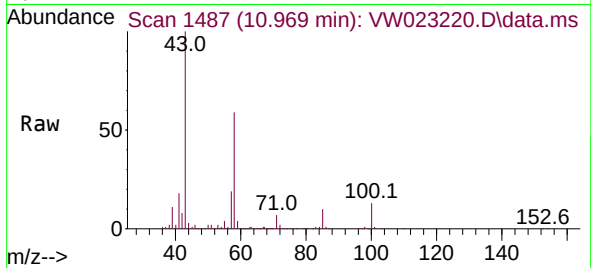




#48
2-Hexanone
Concen: 34.300 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

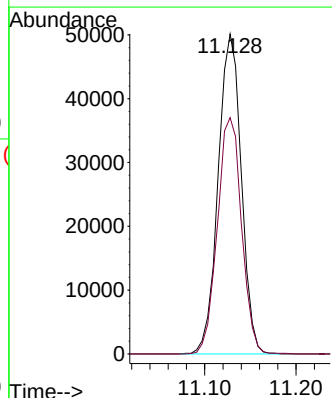
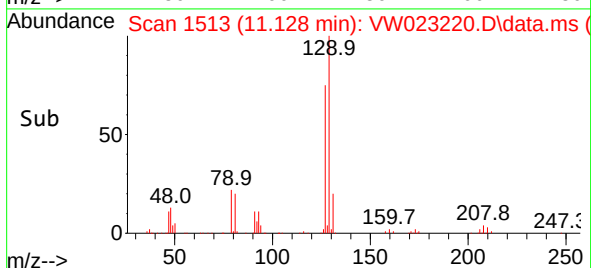
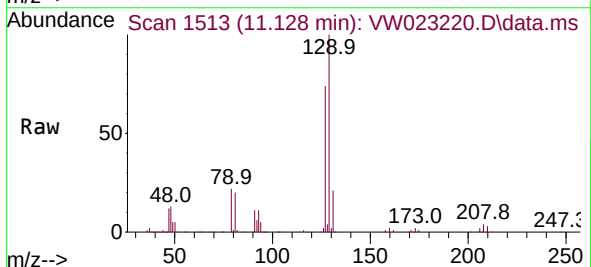
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

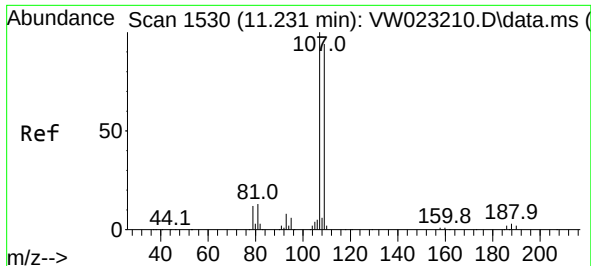
Tgt Ion: 43 Resp: 74614
Ion Ratio Lower Upper
43 100
58 55.0 45.9 68.9
57 19.3 16.2 24.2
100 14.3 10.7 16.1



#49
Dibromochloromethane
Concen: 16.971 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 129 Resp: 88201
Ion Ratio Lower Upper
129 100
127 73.9 53.8 100.0





#50

1,2-Dibromoethane

Concen: 15.793 ug/L

RT: 11.237 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

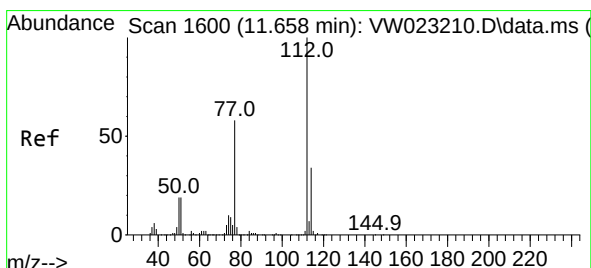
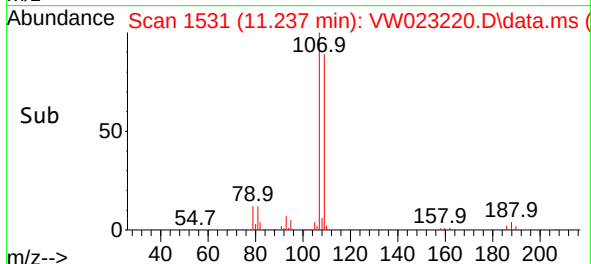
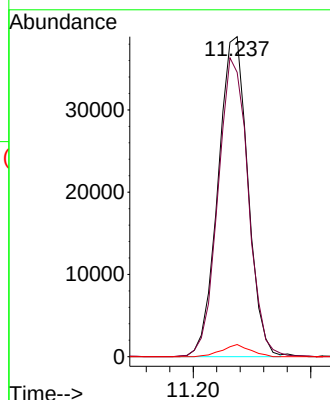
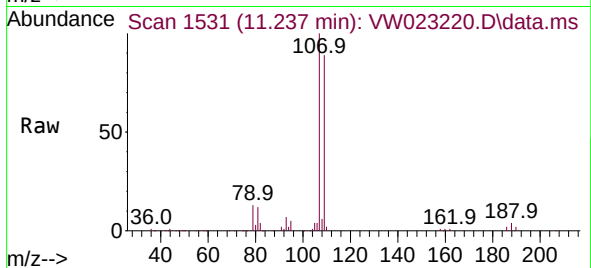
Tgt Ion:107 Resp: 68478

Ion Ratio Lower Upper

107 100

109 88.9 67.5 125.4

188 3.8 2.9 4.3



#51

Chlorobenzene

Concen: 16.699 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

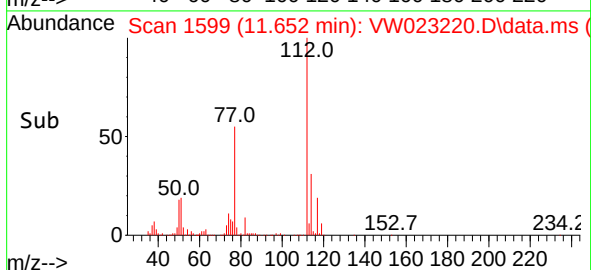
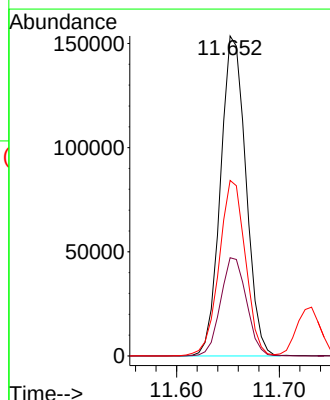
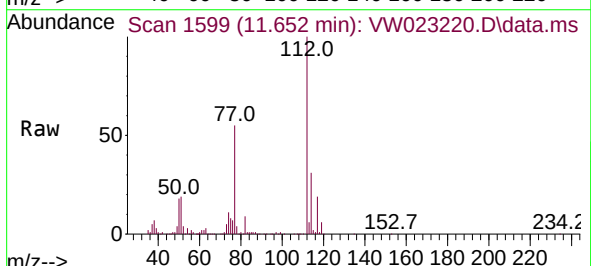
Tgt Ion:112 Resp: 263340

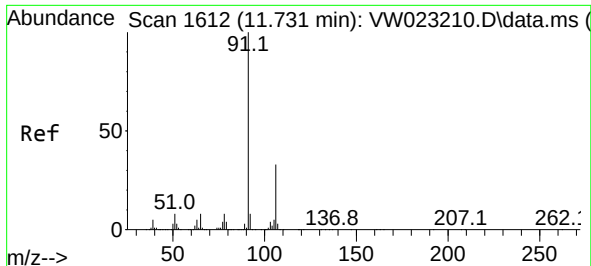
Ion Ratio Lower Upper

112 100

114 30.7 22.0 41.0

77 54.9 42.6 63.8

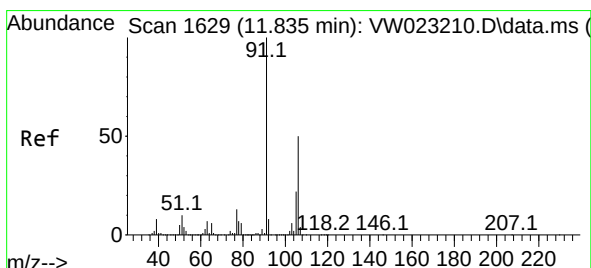
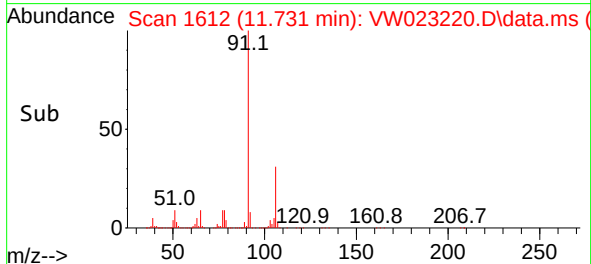
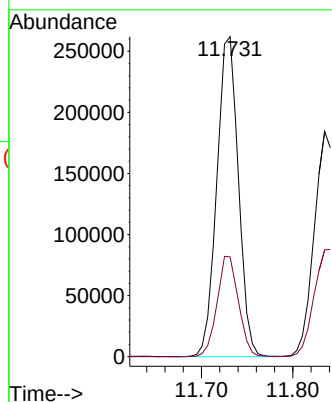
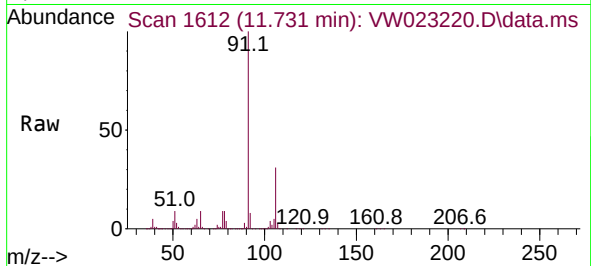




#52
Ethylbenzene
Concen: 16.153 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

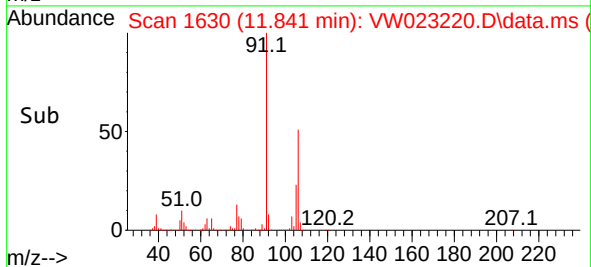
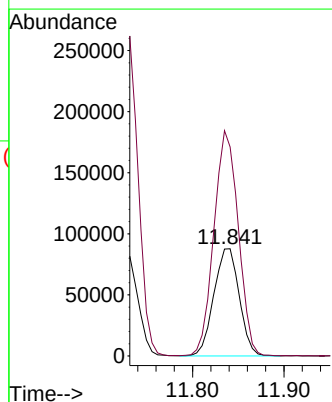
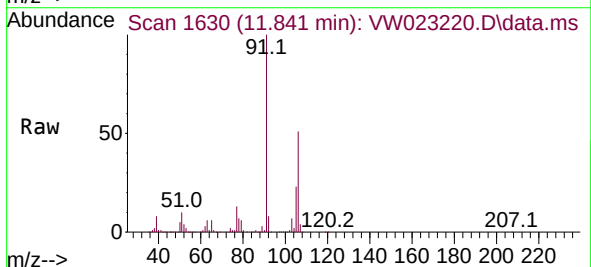
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

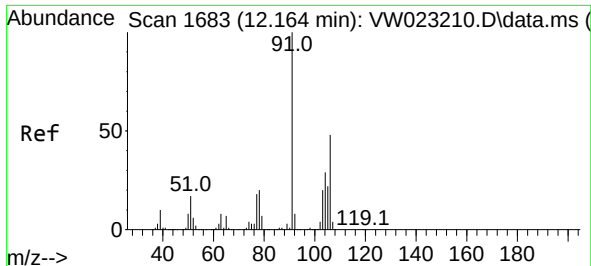
Tgt Ion: 91 Resp: 429879
Ion Ratio Lower Upper
91 100
106 31.2 22.3 41.3



#53
m,p-Xylene
Concen: 16.171 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion:106 Resp: 169569
Ion Ratio Lower Upper
106 100
91 195.0 136.8 254.0

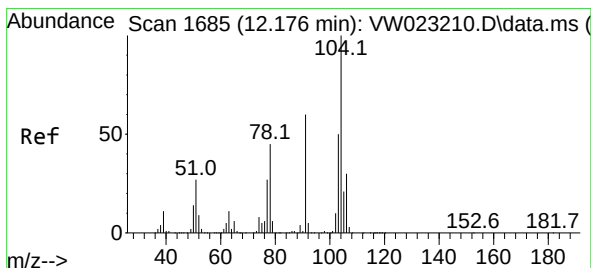
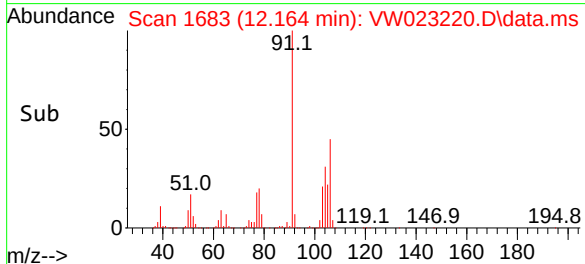
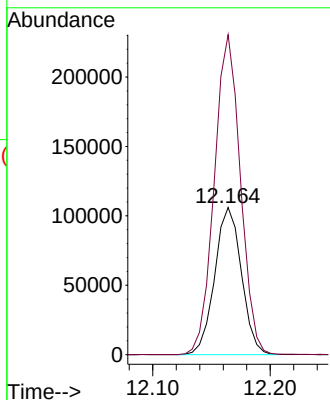
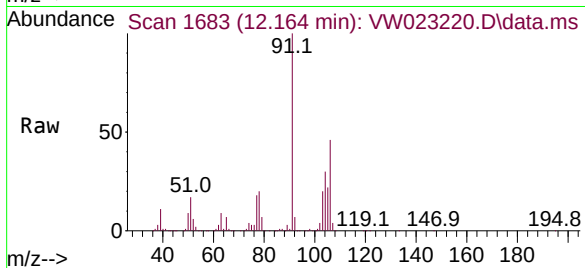




#54
o-Xylene
Concen: 16.683 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

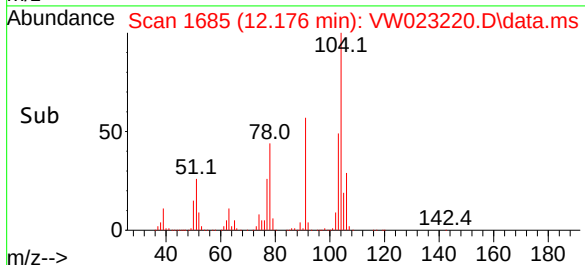
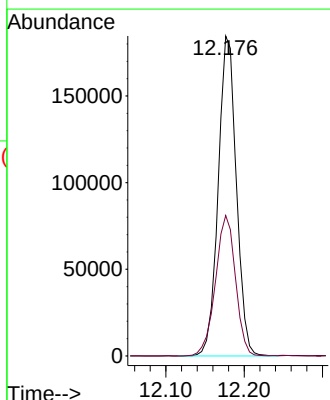
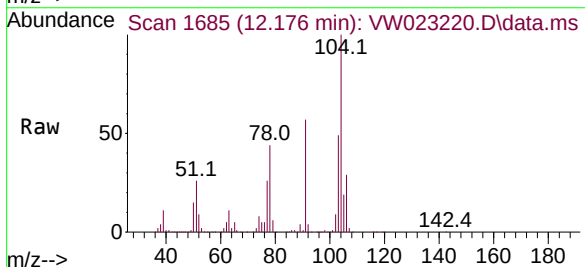
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

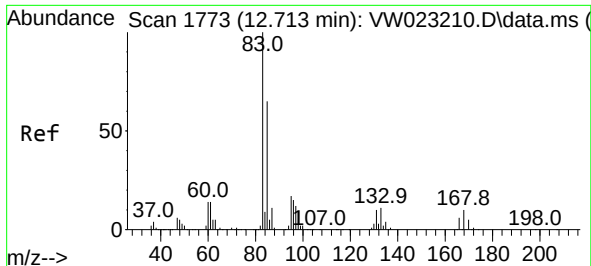
Tgt Ion:106 Resp: 167869
Ion Ratio Lower Upper
106 100
91 217.5 147.2 273.4



#55
Styrene
Concen: 17.397 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion:104 Resp: 297465
Ion Ratio Lower Upper
104 100
78 43.9 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 16.713 ug/L

RT: 12.713 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

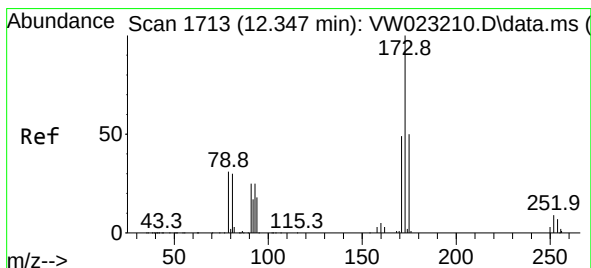
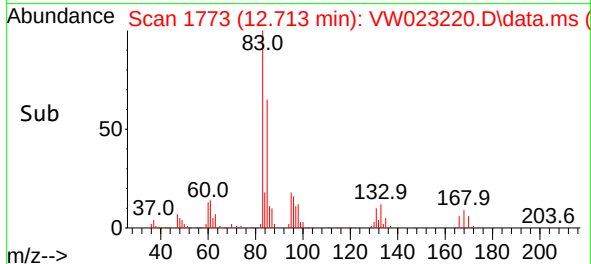
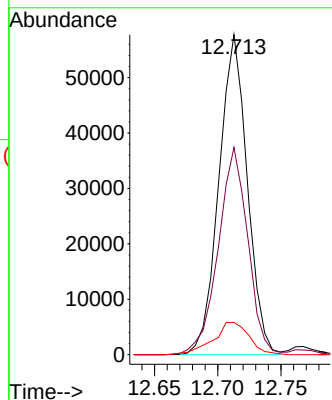
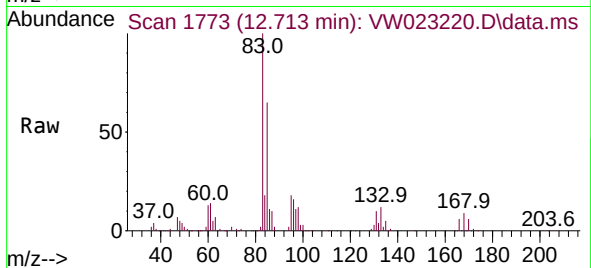
Tgt Ion: 83 Resp: 90138

Ion Ratio Lower Upper

83 100

85 64.8 47.5 88.1

131 10.1 8.7 13.1



#59

Bromoform

Concen: 15.748 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

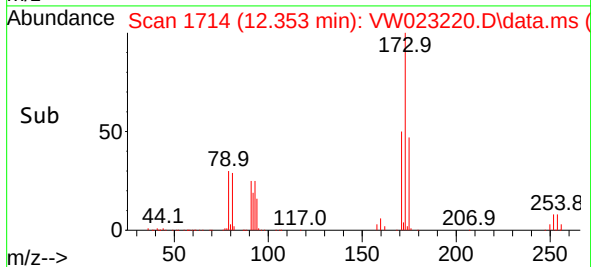
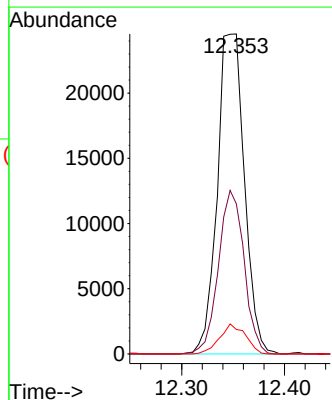
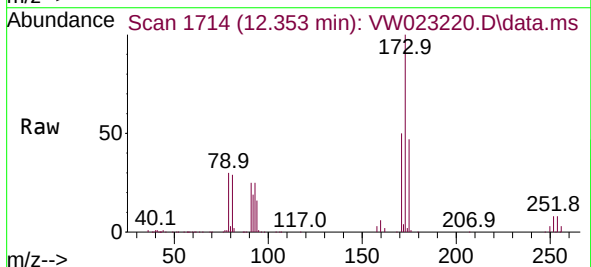
Tgt Ion:173 Resp: 45056

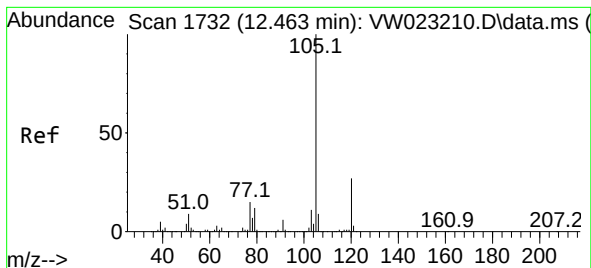
Ion Ratio Lower Upper

173 100

175 48.3 38.1 57.1

254 8.9 6.5 9.7

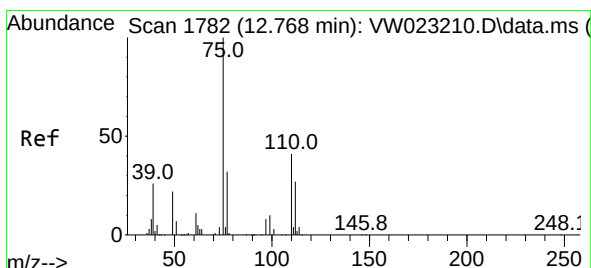
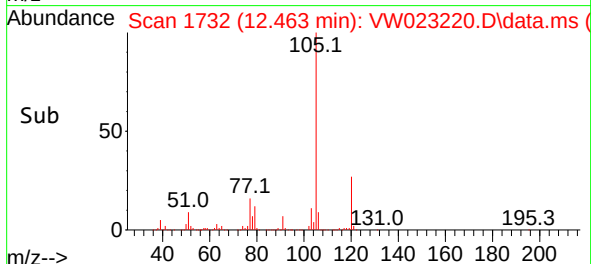
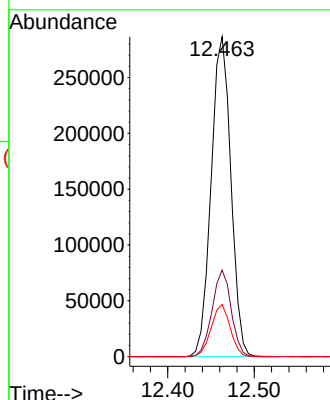
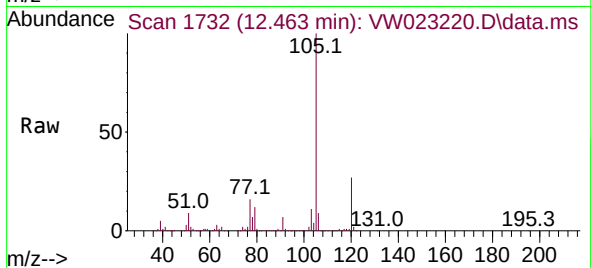




#60
Isopropylbenzene
Concen: 16.411 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

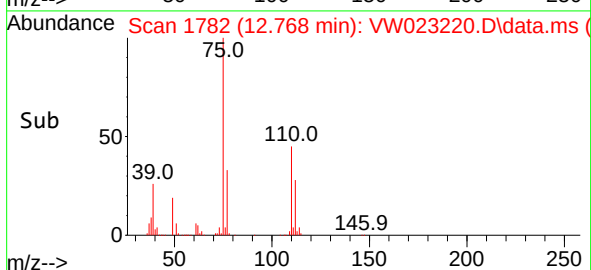
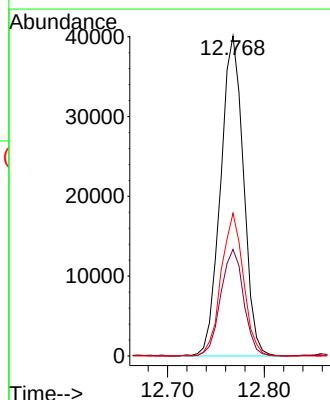
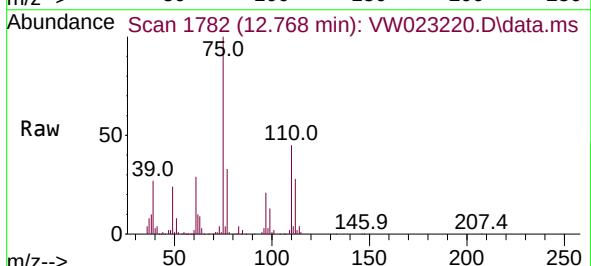
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

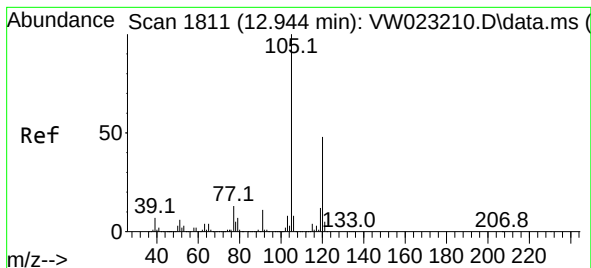
Tgt Ion:105 Resp: 453872
Ion Ratio Lower Upper
105 100
120 26.2 21.3 31.9
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 16.309 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion: 75 Resp: 65789
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2
110 43.4 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 16.225 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

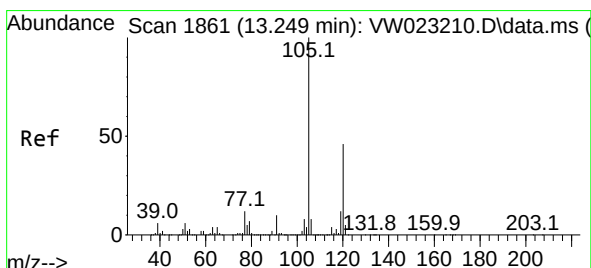
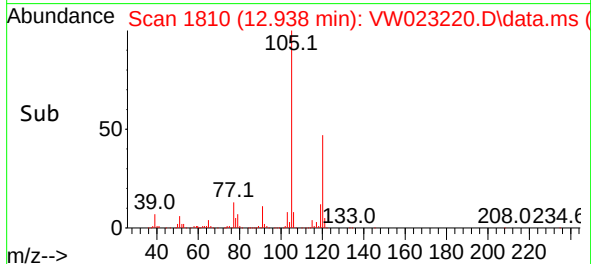
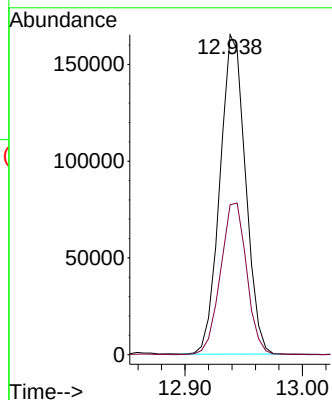
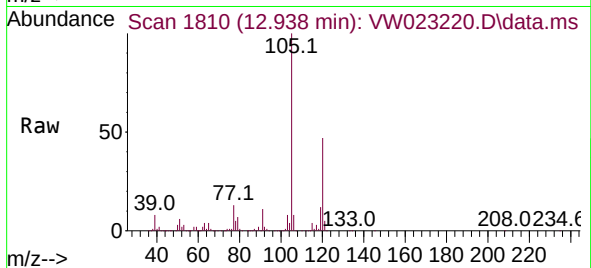
EXXZ7MSD

Tgt Ion:105 Resp: 249649

Ion Ratio Lower Upper

105 100

120 48.7 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 16.346 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW023220.D

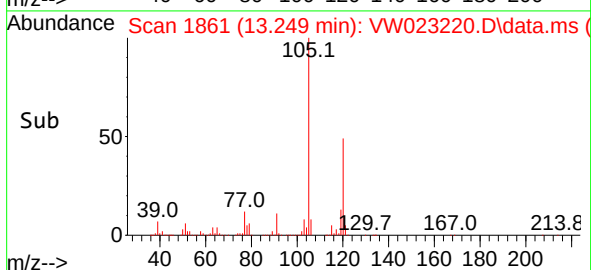
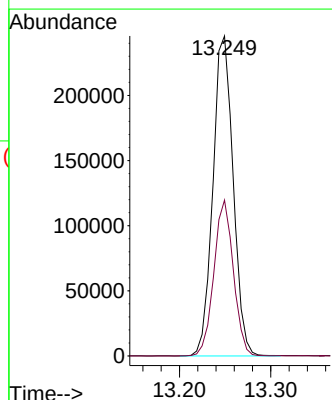
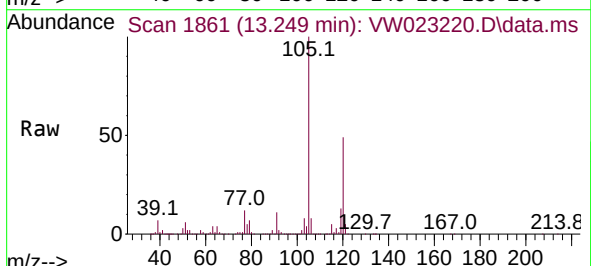
Acq: 21 May 2022 00:36

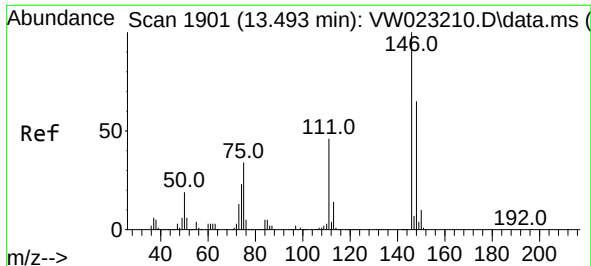
Tgt Ion:105 Resp: 377639

Ion Ratio Lower Upper

105 100

120 46.9 37.4 56.2

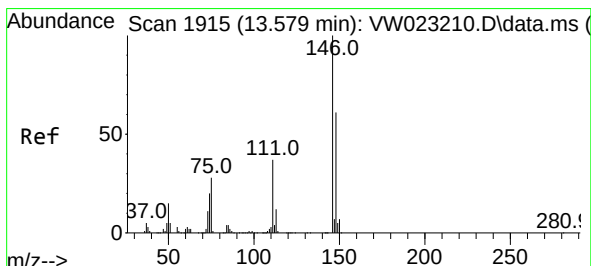
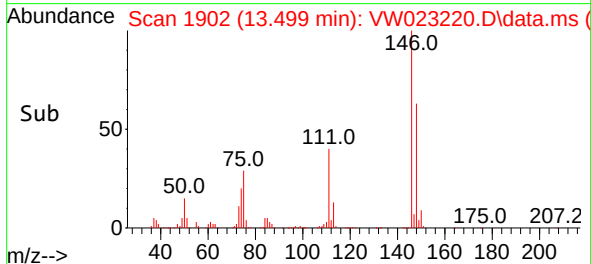
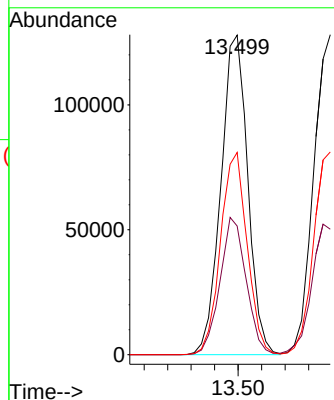
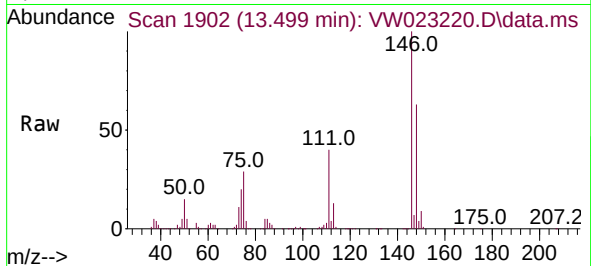




#64
1,3-Dichlorobenzene
Concen: 16.453 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

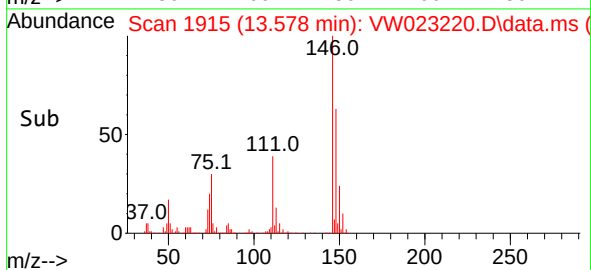
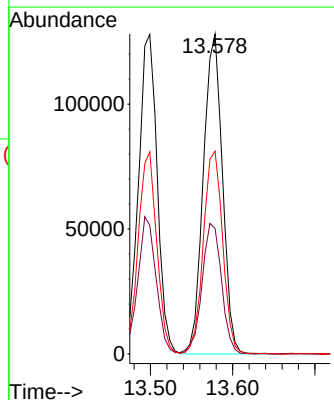
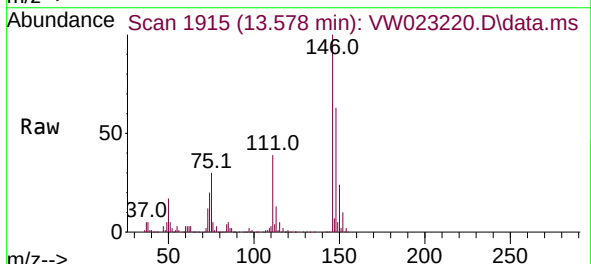
Instrument :
MSVOA_W
ClientSampleId :
EXXZ7MSD

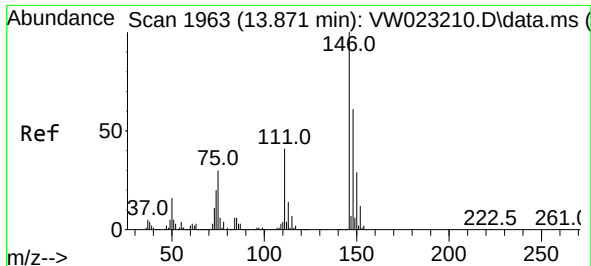
Tgt Ion:146 Resp: 203165
Ion Ratio Lower Upper
146 100
111 40.2 29.5 54.9
148 63.3 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 16.202 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW023220.D
Acq: 21 May 2022 00:36

Tgt Ion:146 Resp: 206649
Ion Ratio Lower Upper
146 100
111 39.2 27.2 50.4
148 63.4 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 17.198 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

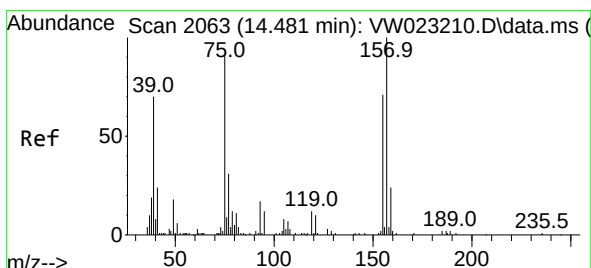
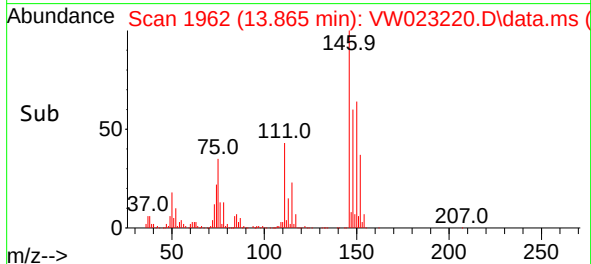
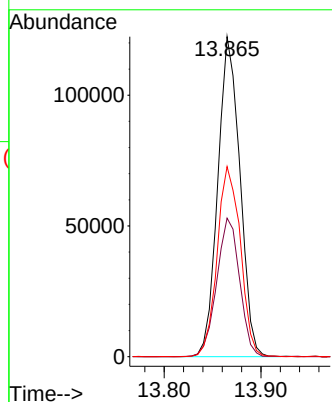
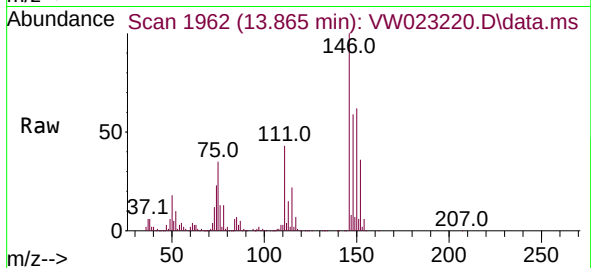
Tgt Ion:146 Resp: 194333

Ion Ratio Lower Upper

146 100

111 43.3 35.7 53.5

148 59.4 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 16.164 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

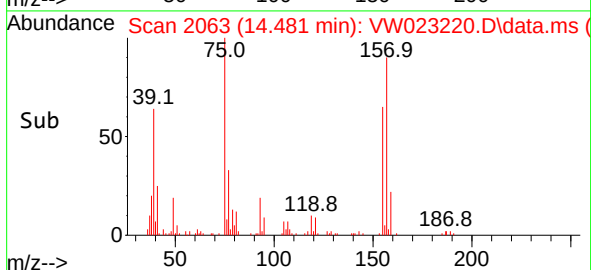
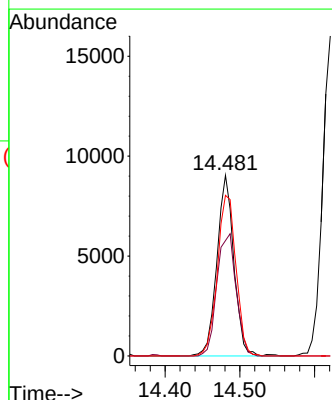
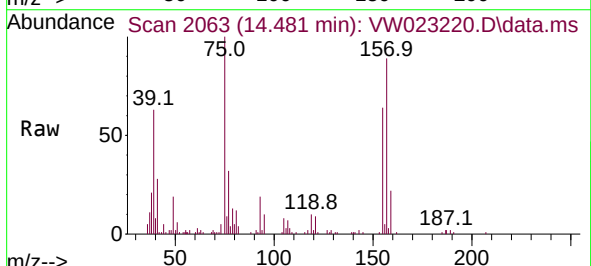
Tgt Ion: 75 Resp: 14250

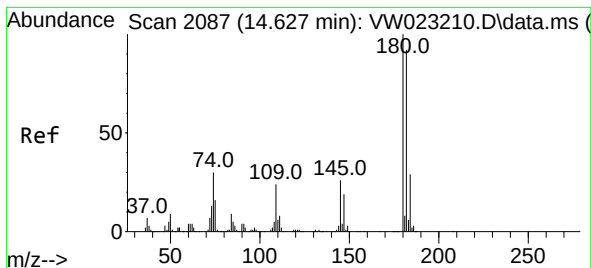
Ion Ratio Lower Upper

75 100

155 63.9 59.3 88.9

157 88.9 89.8 134.8#





#69

1,3,5-Trichlorobenzene

Concen: 16.615 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

Tgt Ion:180 Resp: 136189

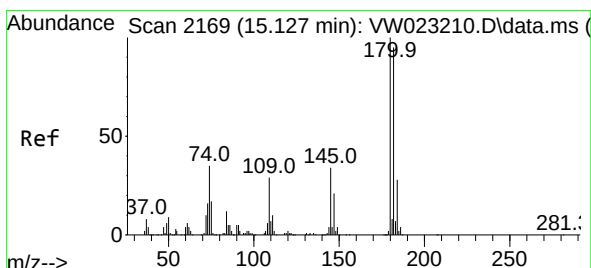
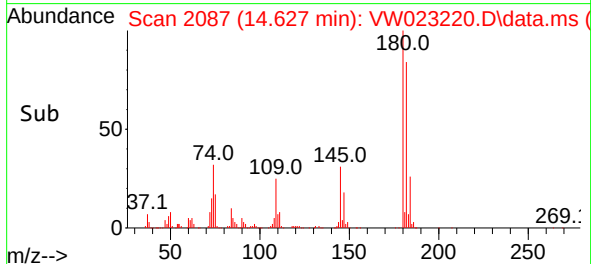
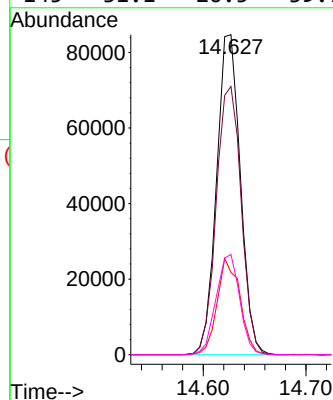
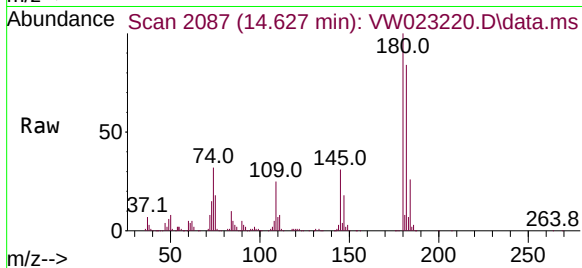
Ion Ratio Lower Upper

180 100

182 87.8 74.8 112.2

184 29.0 23.4 35.2

145 31.1 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 15.736 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

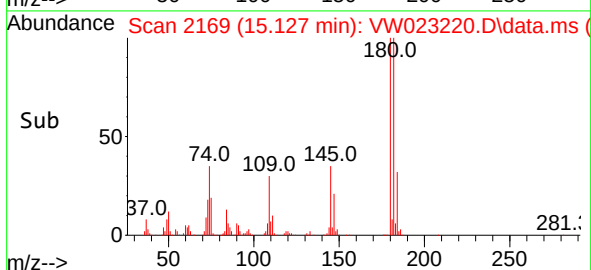
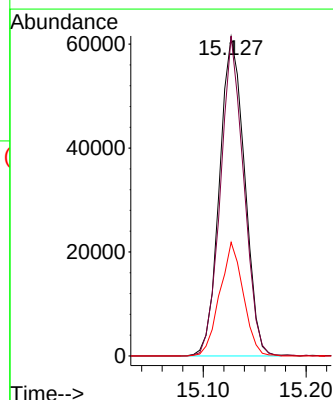
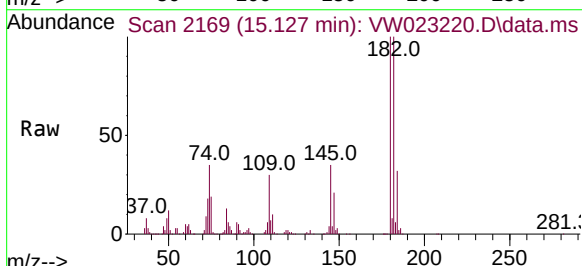
Tgt Ion:180 Resp: 103755

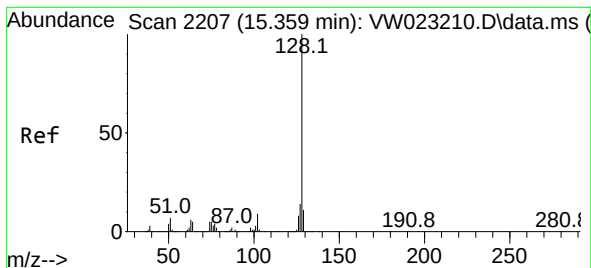
Ion Ratio Lower Upper

180 100

182 92.9 74.9 112.3

145 33.5 26.6 39.8





#71

Naphthalene

Concen: 16.039 ug/L

RT: 15.365 min Scan# 2207

Delta R.T. 0.006 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Instrument :

MSVOA_W

ClientSampleId :

EXXZ7MSD

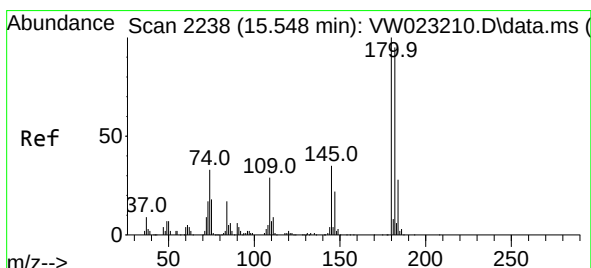
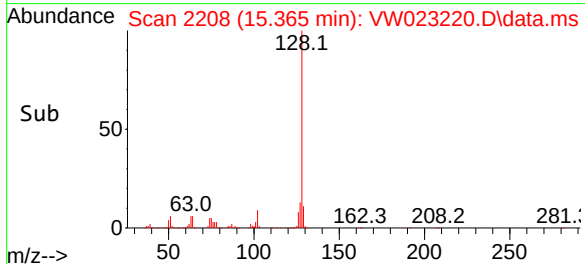
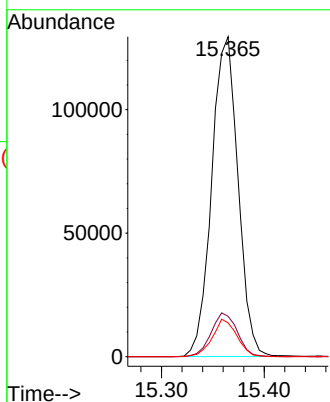
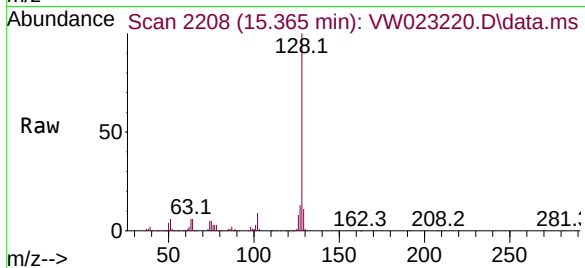
Tgt Ion:128 Resp: 229842

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 16.717 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW023220.D

Acq: 21 May 2022 00:36

Tgt Ion:180 Resp: 97691

Ion Ratio Lower Upper

180 100

182 92.1 73.5 110.3

145 34.0 27.9 41.9

