

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051222\
 Data File : VW023012.D
 Acq On : 12 May 2022 19:31
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 13 01:15:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 13 01:10:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	301548	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	304514	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	166351	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	117309	18.961	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.840%
7) Chloroethane-d5	2.879	69	105382	26.182	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.720%
11) 1,1-Dichloroethene-d2	4.025	63	162120	20.280	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.120%
21) 2-Butanone-d5	7.080	46	89120	75.764	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	151.520%#
24) Chloroform-d	7.647	84	234614	26.556	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.240%
26) 1,2-Dichloroethane-d4	8.305	65	130971	27.030	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.120%
32) Benzene-d6	8.275	84	416575	23.734	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.920%
36) 1,2-Dichloropropane-d6	9.274	67	125243	25.402	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.600%
41) Toluene-d8	10.323	98	405260	23.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	10.579	79	55361	24.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.560%
47) 2-Hexanone-d5	10.921	63	73773	78.381	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.760%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	152544	33.194	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.760%#
66) 1,2-Dichlorobenzene-d4	13.853	152	158664	27.285	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	52716	32.069	ug/L	94
3) Chloromethane	2.215	50	83004	26.130	ug/L	98
5) Vinyl chloride	2.361	62	146989	23.057	ug/L	97
6) Bromomethane	2.776	94	102771	25.108	ug/L	94
8) Chloroethane	2.922	64	89233	29.021	ug/L	100
9) Trichlorofluoromethane	3.251	101	58489	20.074	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	105179	24.141	ug/L	96
12) 1,1-Dichloroethene	4.038	96	88210	22.839	ug/L	92
13) Acetone	4.129	43	43409	49.291	ug/L	99
14) Carbon disulfide	4.385	76	195994	18.510	ug/L	95
15) Methyl Acetate	4.672	43	54403	30.749	ug/L	98
16) Methylene chloride	4.916	84	109289	24.769	ug/L	97
17) trans-1,2-Dichloroethene	5.422	96	104725	24.095	ug/L	94
18) Methyl tert-butyl Ether	5.428	73	194930	29.380	ug/L	99
19) 1,1-Dichloroethane	6.214	63	194529	26.408	ug/L	96
20) cis-1,2-Dichloroethene	7.165	96	124454	26.660	ug/L	97
22) 2-Butanone	7.171	43	74290	60.319	ug/L	99
23) Bromochloromethane	7.519	128	59208	27.082	ug/L	85
25) Chloroform	7.677	83	220613	27.085	ug/L	97

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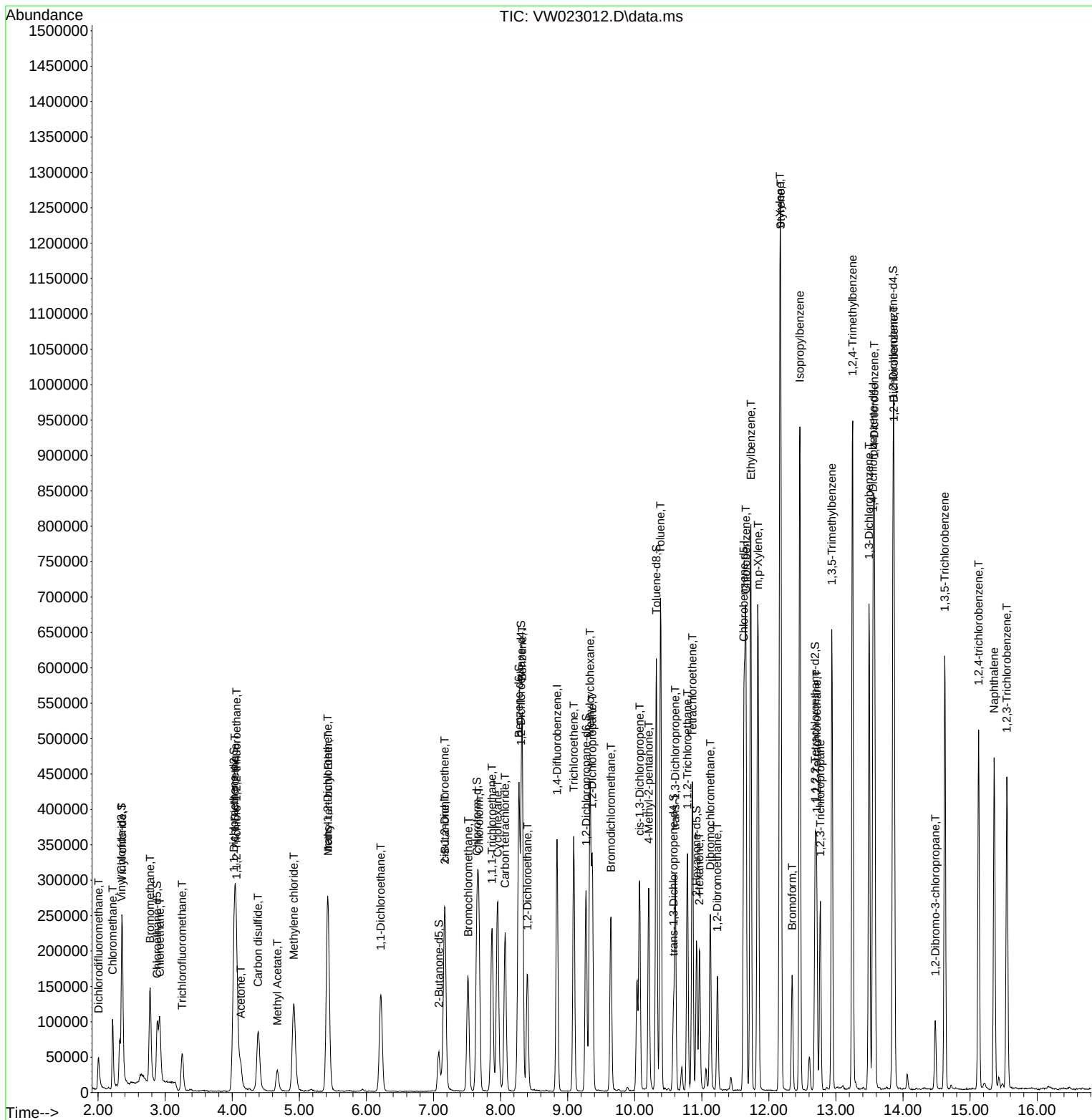
Instrument :
 MSVOA_W
 ClientSampleId :

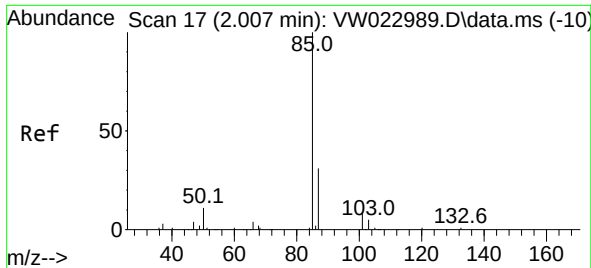
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 Quant Title : SFAM01.0
 QLast Update : Fri May 13 01:10:05 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	148037	27.265	ug/L	98
29) Cyclohexane	7.958	56	148368	22.529	ug/L	100
30) 1,1,1-Trichloroethane	7.872	97	182895	25.415	ug/L	99
31) Carbon tetrachloride	8.067	117	162512	24.142	ug/L	100
33) Benzene	8.323	78	447777	24.961	ug/L	100
34) Trichloroethene	9.092	95	119808	24.285	ug/L	98
35) Methylcyclohexane	9.335	83	182650	22.536	ug/L	99
37) 1,2-Dichloropropane	9.366	63	114154	26.296	ug/L	99
38) Bromodichloromethane	9.646	83	163460	26.510	ug/L	96
39) cis-1,3-Dichloropropene	10.073	75	171268	25.443	ug/L	97
40) 4-Methyl-2-pentanone	10.207	43	176358	64.453	ug/L	99
42) Toluene	10.384	91	507863	25.262	ug/L	98
44) trans-1,3-Dichloropropene	10.604	75	157800	26.264	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	102707	28.301	ug/L	96
46) Tetrachloroethene	10.860	164	89424	24.120	ug/L	93
48) 2-Hexanone	10.963	43	122646	67.084	ug/L	97
49) Dibromochloromethane	11.128	129	122322	28.005	ug/L	97
50) 1,2-Dibromoethane	11.231	107	104904	28.788	ug/L	97
51) Chlorobenzene	11.658	112	348902	26.325	ug/L	98
52) Ethylbenzene	11.731	91	580516	25.955	ug/L	100
53) m,p-Xylene	11.841	106	230103	26.110	ug/L	97
54) o-Xylene	12.164	106	229020	27.081	ug/L	97
55) Styrene	12.176	104	397486	27.660	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	137413	30.315	ug/L	94
59) Bromoform	12.347	173	70777	30.022	ug/L	99
60) Isopropylbenzene	12.463	105	622585	27.319	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	100439	30.218	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	338676	26.712	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	520092	27.320	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	276870	27.211	ug/L	93
65) 1,4-Dichlorobenzene	13.572	146	277183	26.374	ug/L	99
67) 1,2-Dichlorobenzene	13.865	146	253411	27.217	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	22686	31.230	ug/L #	90
69) 1,3,5-Trichlorobenzene	14.621	180	175754	26.023	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	138734	25.536	ug/L	92
71) Naphthalene	15.359	128	380713	32.241	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	135044	28.045	ug/L	99

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

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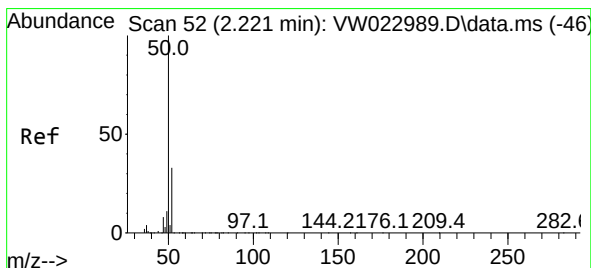
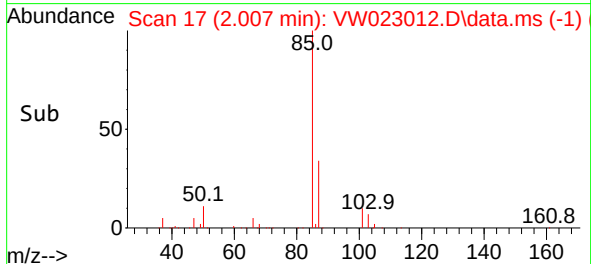
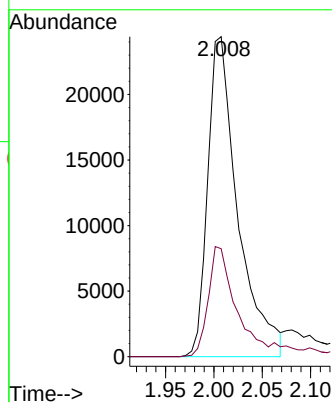
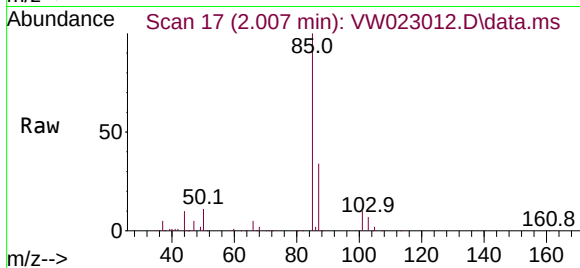




#2
Dichlorodifluoromethane
Concen: 32.069 ug/L
RT: 2.007 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

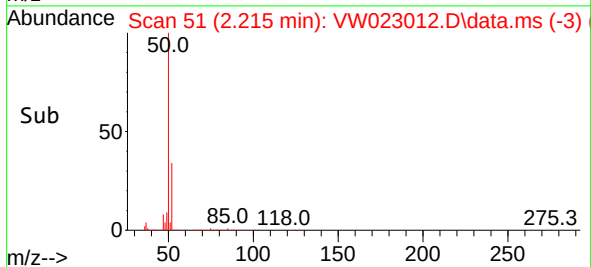
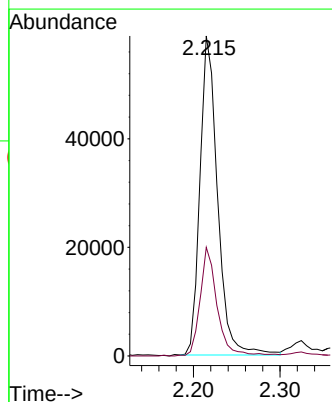
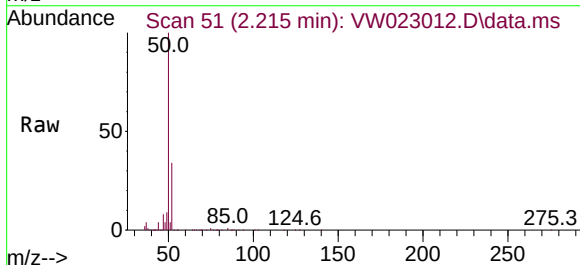
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MSVOA_W
ClientSampleId :

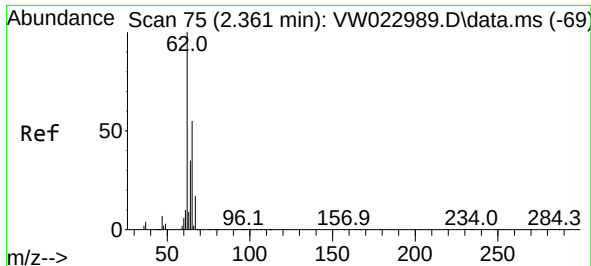
Tgt Ion: 85 Resp: 52716
Ion Ratio Lower Upper
85 100
87 31.4 27.8 41.8



#3
Chloromethane
Concen: 26.130 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 50 Resp: 83004
Ion Ratio Lower Upper
50 100
52 33.9 23.1 42.9

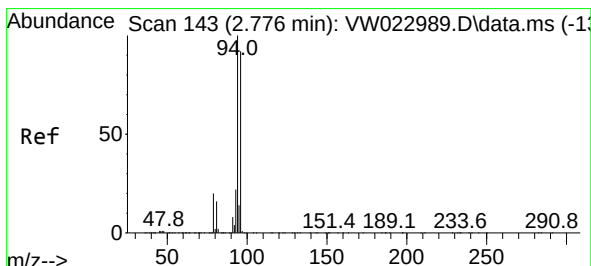
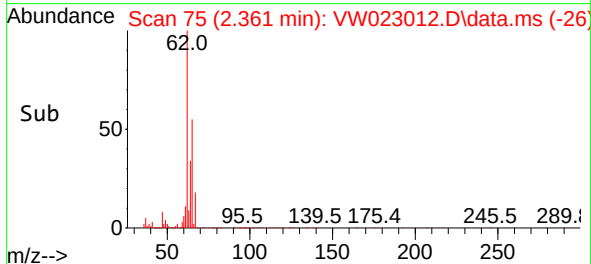
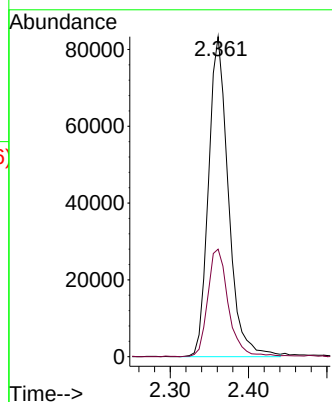
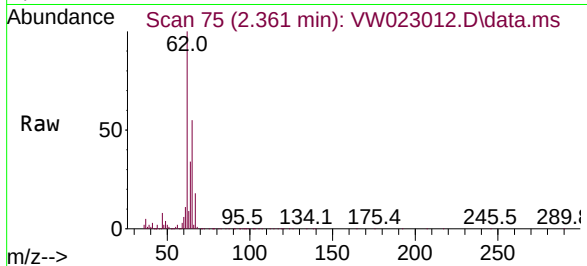




#5
 Vinyl chloride
 Concen: 23.057 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW023012.D
 Acq: 12 May 2022 19:31

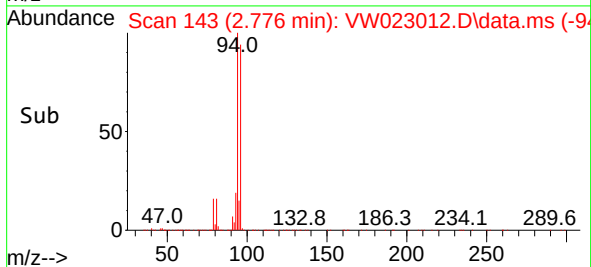
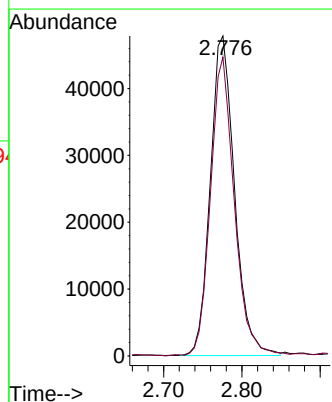
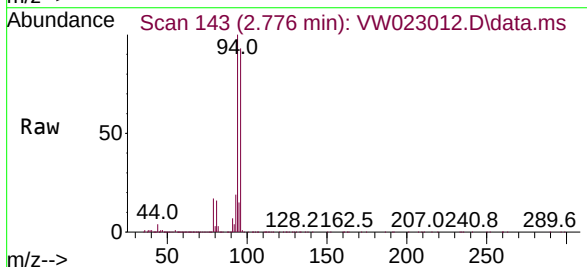
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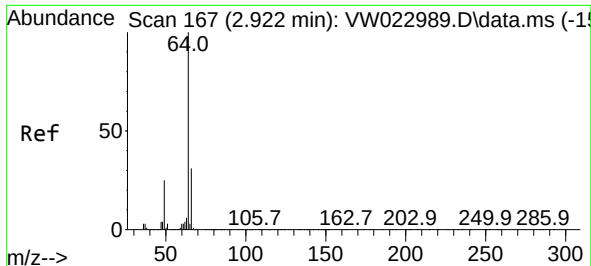
Tgt Ion: 62 Resp: 146989
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.9 46.3



#6
 Bromomethane
 Concen: 25.108 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VW023012.D
 Acq: 12 May 2022 19:31

Tgt Ion: 94 Resp: 102771
 Ion Ratio Lower Upper
 94 100
 96 93.4 61.7 114.5

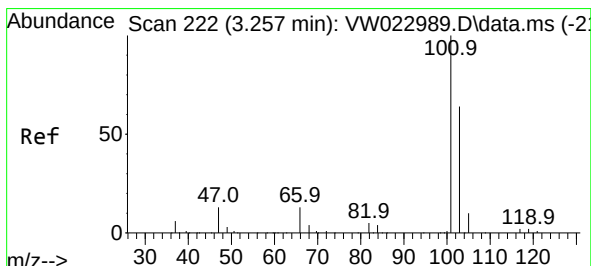
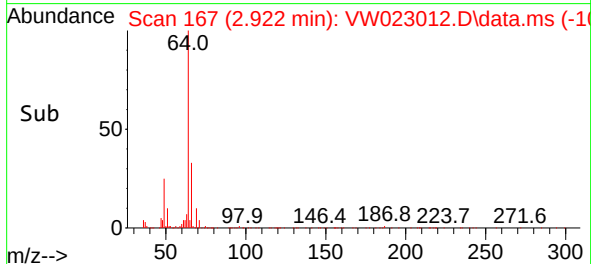
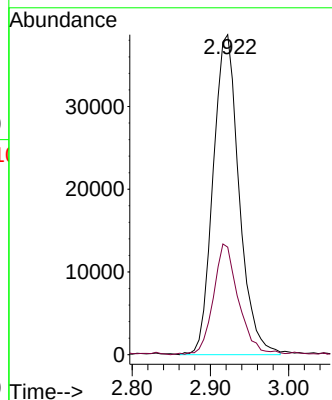
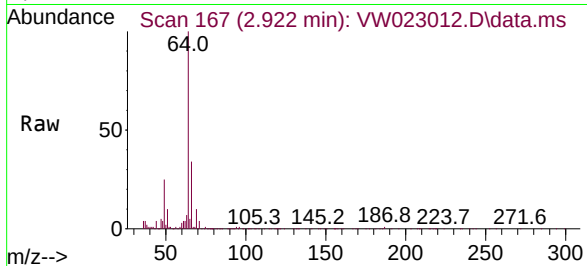




#8
Chloroethane
Concen: 29.021 ug/L
RT: 2.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

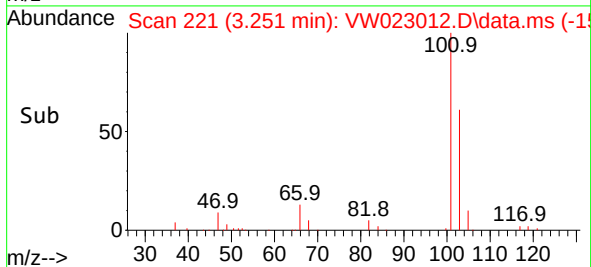
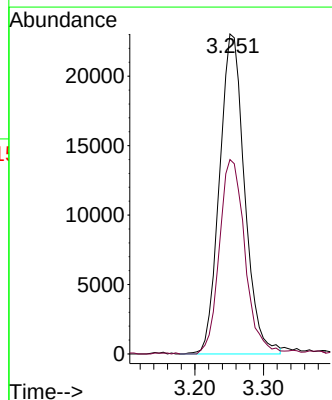
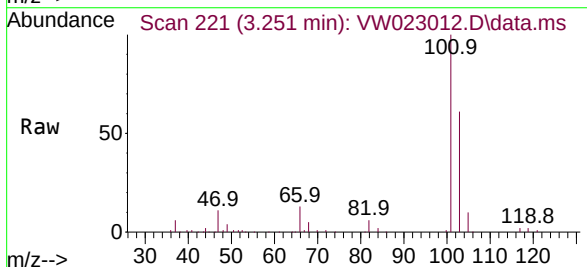
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ClientSampleId :

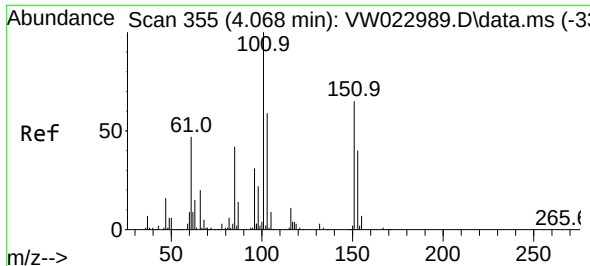
Tgt Ion: 64 Resp: 89233
Ion Ratio Lower Upper
64 100
66 33.6 23.4 43.6



#9
Trichlorofluoromethane
Concen: 20.074 ug/L
RT: 3.251 min Scan# 221
Delta R.T. -0.006 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 101 Resp: 58489
Ion Ratio Lower Upper
101 100
103 61.8 53.9 80.9

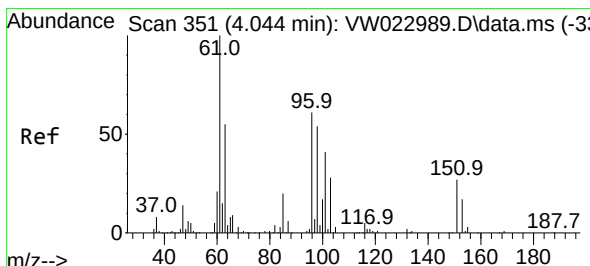
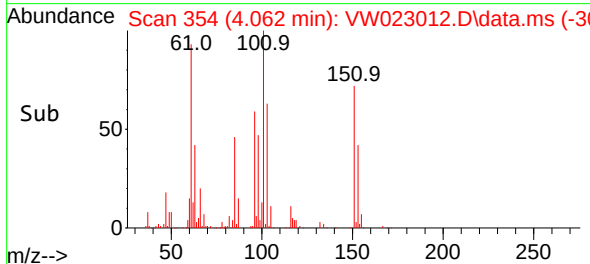
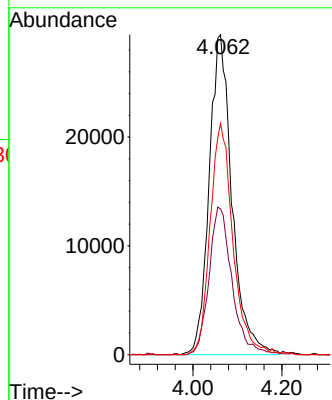
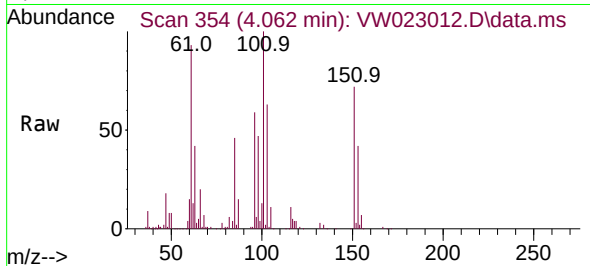




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.141 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW023012.D
 Acq: 12 May 2022 19:31

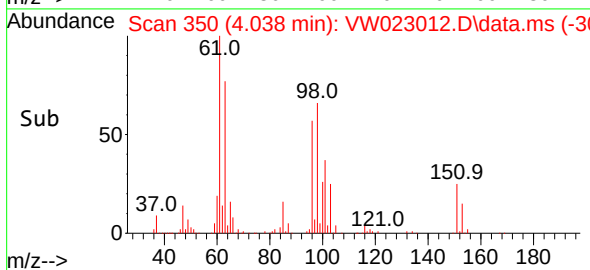
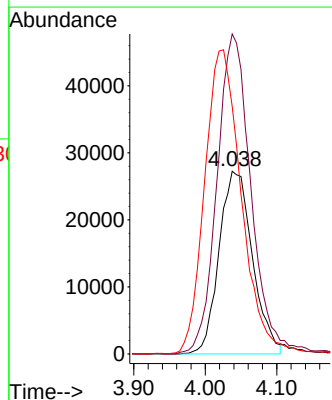
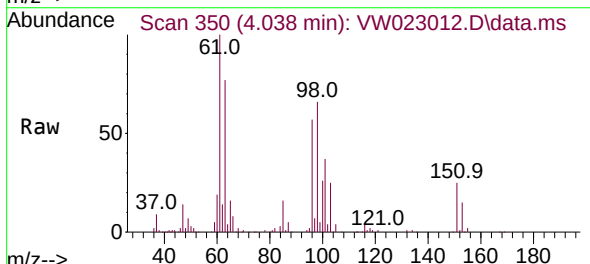
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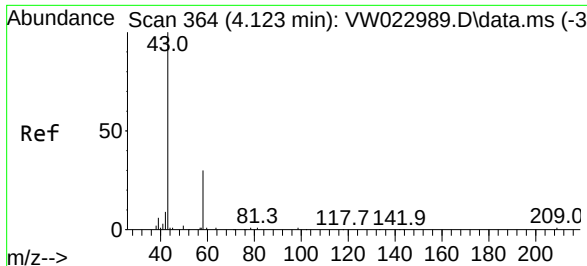
Tgt Ion:101 Resp: 105179
 Ion Ratio Lower Upper
 101 100
 85 44.9 34.3 51.5
 151 71.6 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 22.839 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. -0.006 min
 Lab File: VW023012.D
 Acq: 12 May 2022 19:31

Tgt Ion: 96 Resp: 88210
 Ion Ratio Lower Upper
 96 100
 61 175.2 125.7 233.5
 63 135.5 83.4 155.0

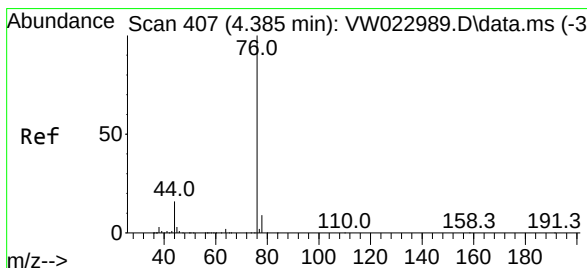
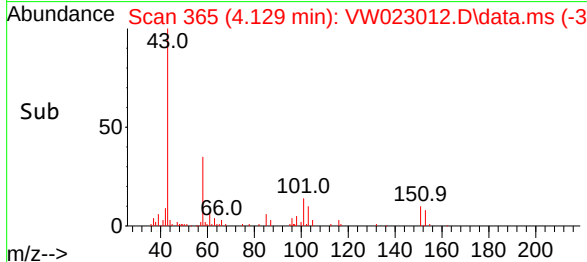
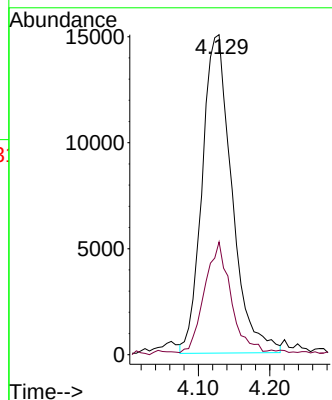
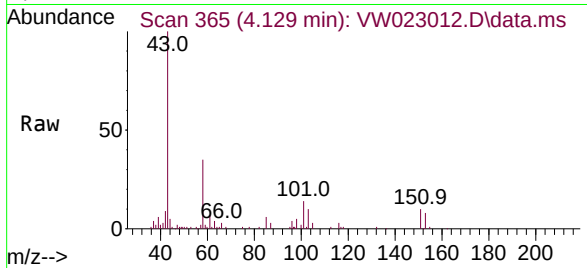




#13
Acetone
Concen: 49.291 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

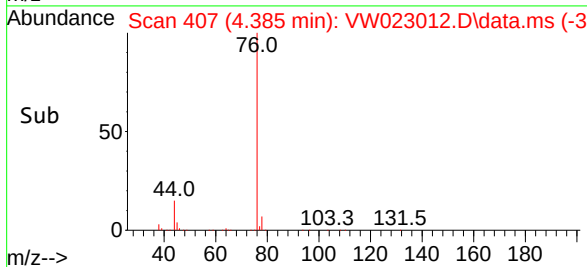
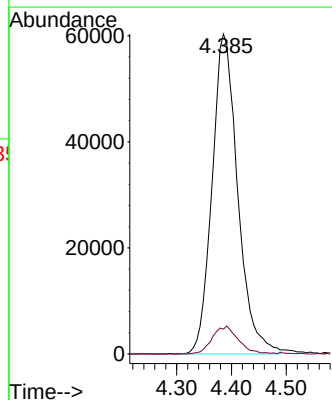
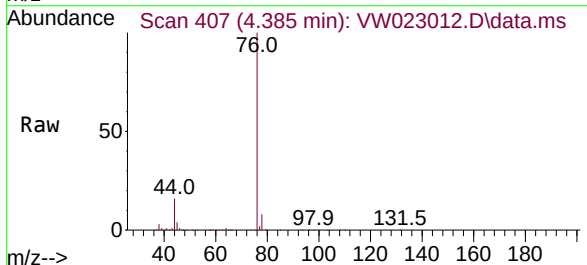
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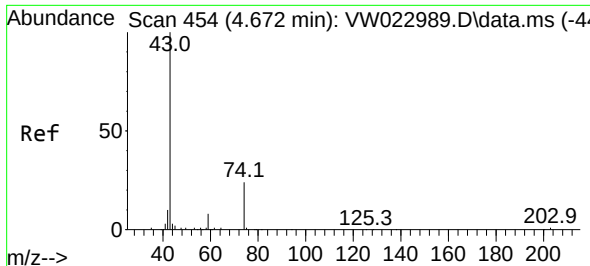
Tgt Ion: 43 Resp: 43409
Ion Ratio Lower Upper
43 100
58 31.2 0.0 64.0



#14
Carbon disulfide
Concen: 18.510 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 76 Resp: 195994
Ion Ratio Lower Upper
76 100
78 7.7 7.7 11.5

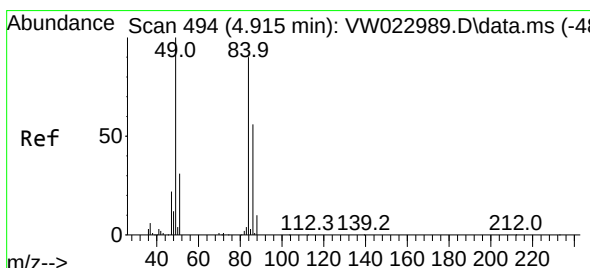
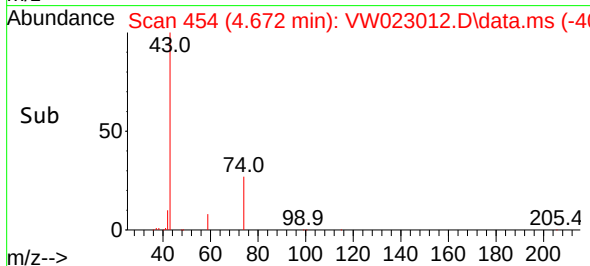
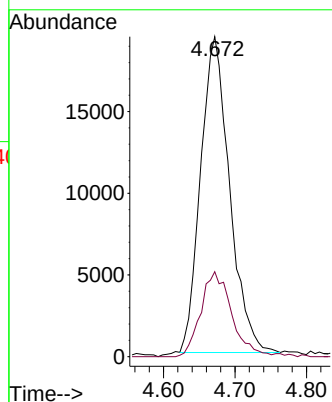
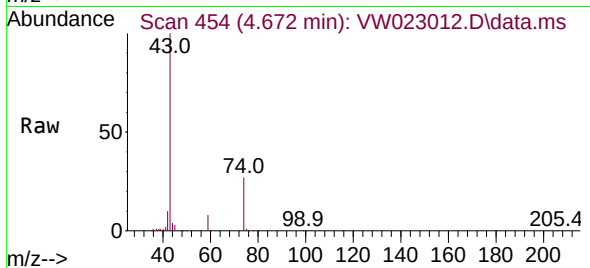




#15
Methyl Acetate
Concen: 30.749 ug/L
RT: 4.672 min Scan# 454
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

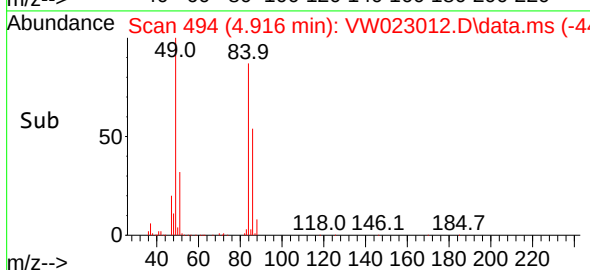
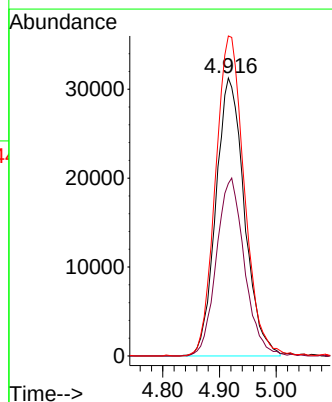
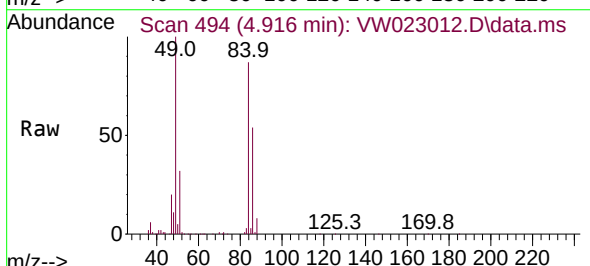
Instrument :
MSVOA_W
ClientSampleId :

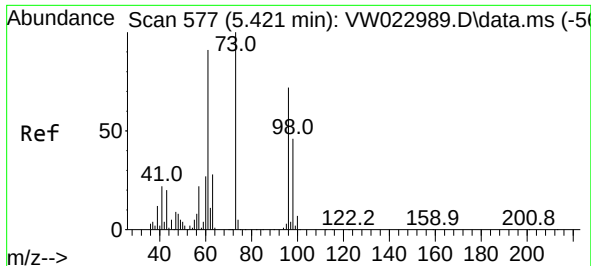
Tgt Ion: 43 Resp: 54403
Ion Ratio Lower Upper
43 100
74 28.5 21.9 32.9



#16
Methylene chloride
Concen: 24.769 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 84 Resp: 109289
Ion Ratio Lower Upper
84 100
86 62.1 45.4 84.4
49 115.2 82.5 153.1

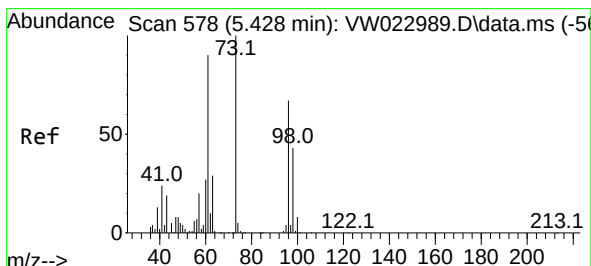
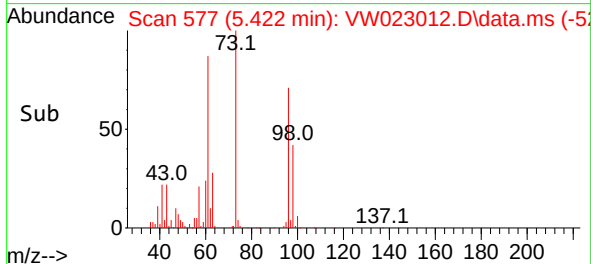
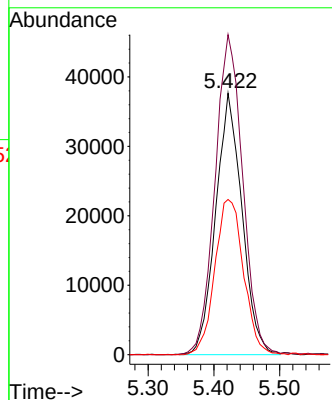
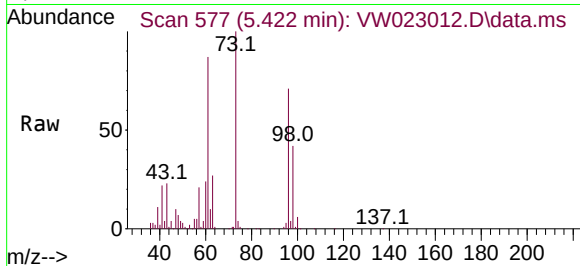




#17
trans-1,2-Dichloroethene
Concen: 24.095 ug/L
RT: 5.422 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

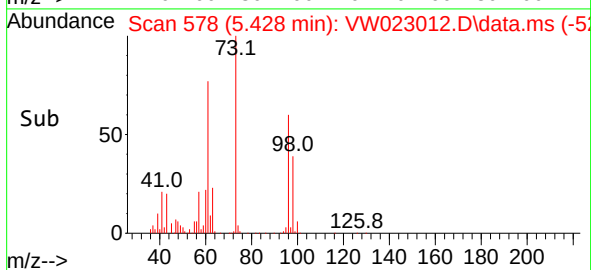
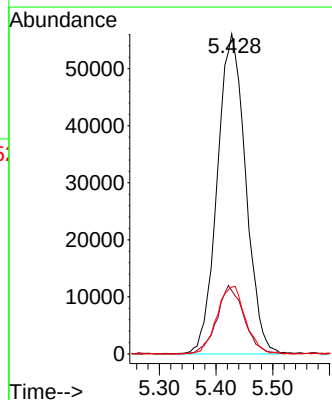
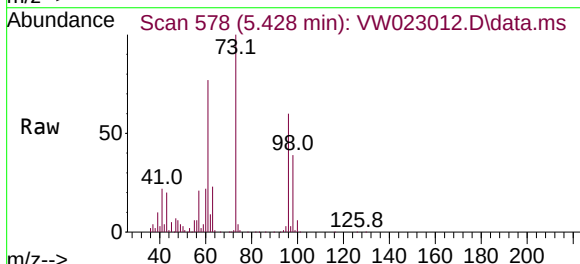
Instrument :
MSVOA_W
ClientSampleId :

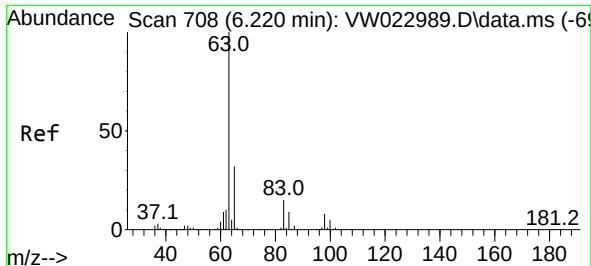
Tgt Ion: 96 Resp: 104725
Ion Ratio Lower Upper
96 100
61 122.4 92.2 171.2
98 59.3 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 29.380 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 73 Resp: 194930
Ion Ratio Lower Upper
73 100
43 20.4 15.9 23.9
57 21.2 16.5 24.7





#19

1,1-Dichloroethane

Concen: 26.408 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

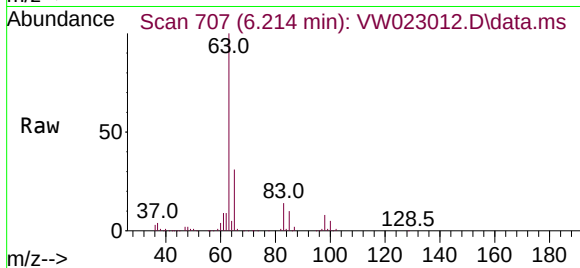
Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :



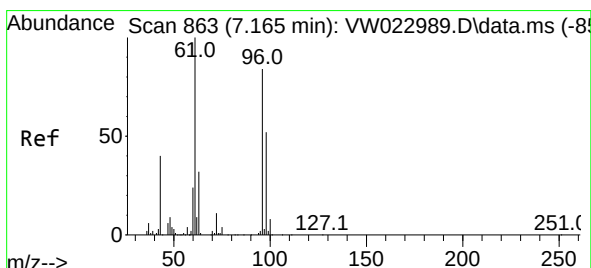
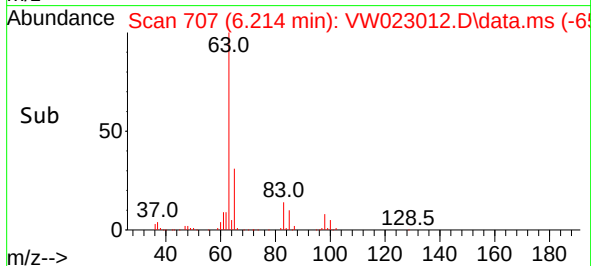
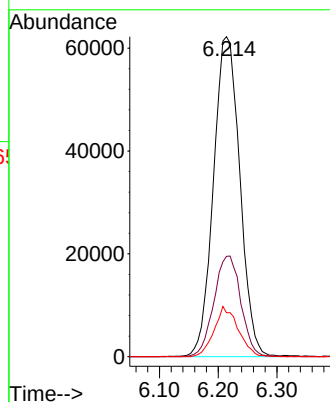
Tgt Ion: 63 Resp: 194529

Ion Ratio Lower Upper

63 100

65 31.4 23.3 43.3

83 13.8 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 26.660 ug/L

RT: 7.165 min Scan# 863

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

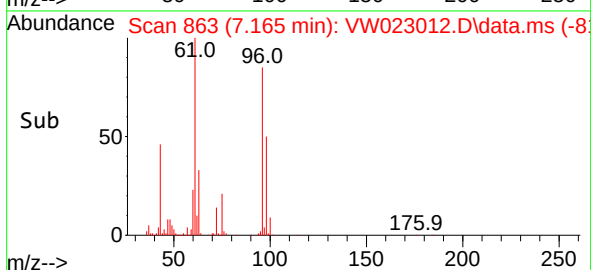
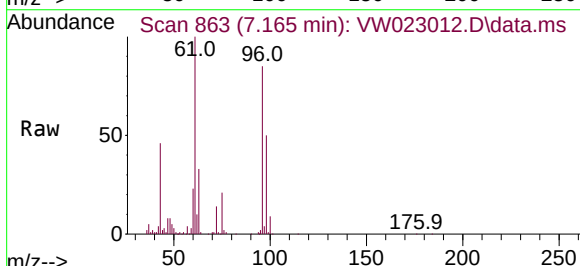
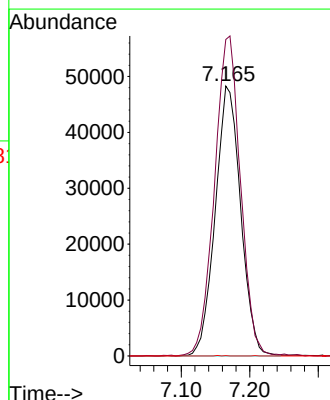
Tgt Ion: 96 Resp: 124454

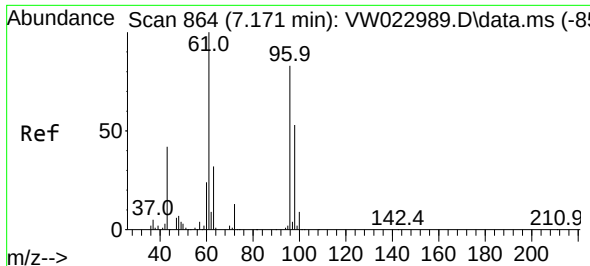
Ion Ratio Lower Upper

96 100

61 117.3 84.2 156.4

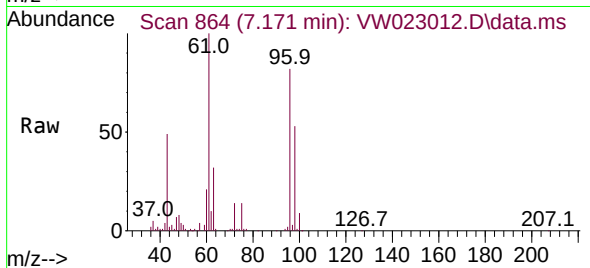
68 0.1 0.1 0.1



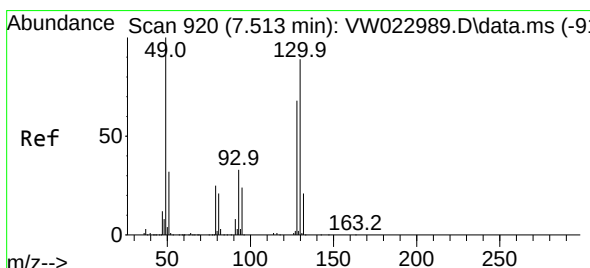
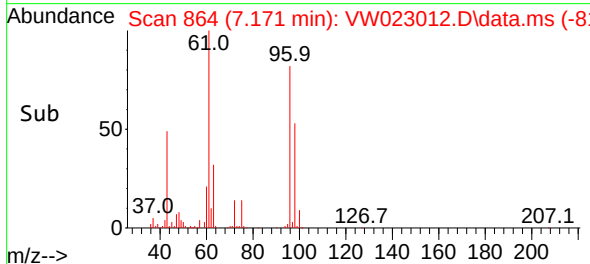
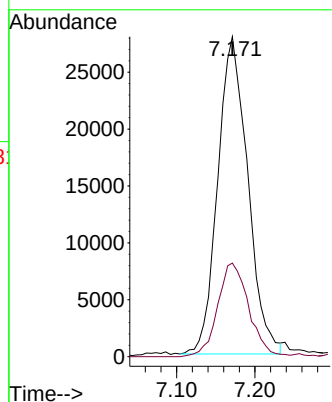


#22
2-Butanone
Concen: 60.319 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Instrument :
MSVOA_W
ClientSampleId :

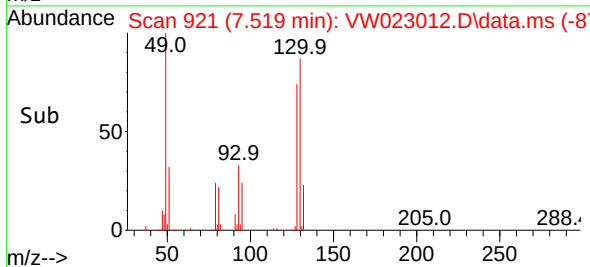
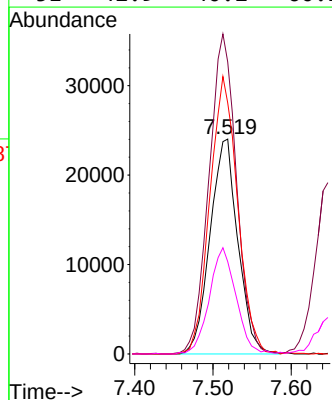
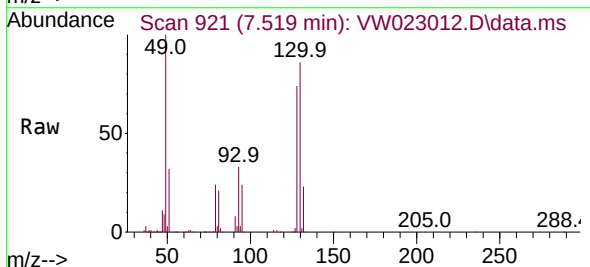


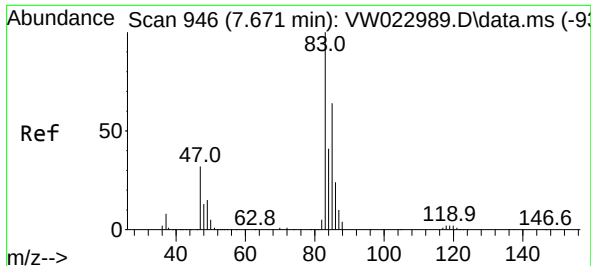
Tgt Ion: 43 Resp: 74290
Ion Ratio Lower Upper
43 100
72 30.5 15.1 45.3



#23
Bromochloromethane
Concen: 27.082 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 128 Resp: 59208
Ion Ratio Lower Upper
128 100
49 135.9 110.0 204.4
130 116.8 94.8 176.0
51 42.9 40.2 60.2





#25

Chloroform

Concen: 27.085 ug/L

RT: 7.677 min Scan# 946

Delta R.T. 0.006 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

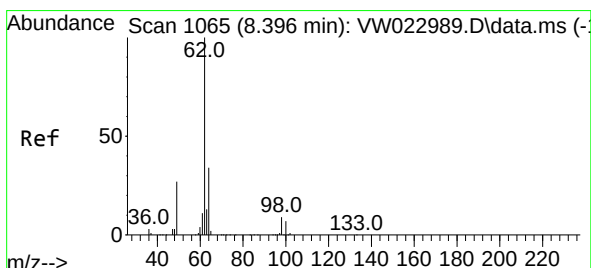
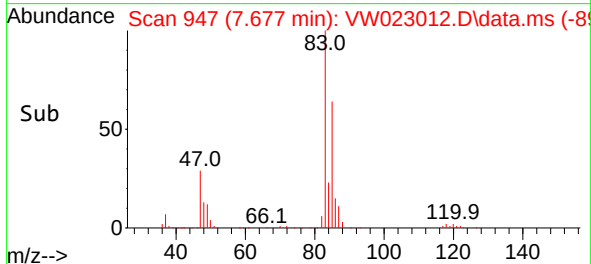
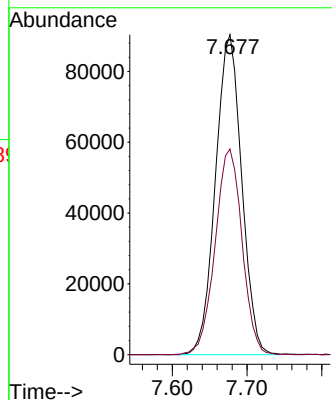
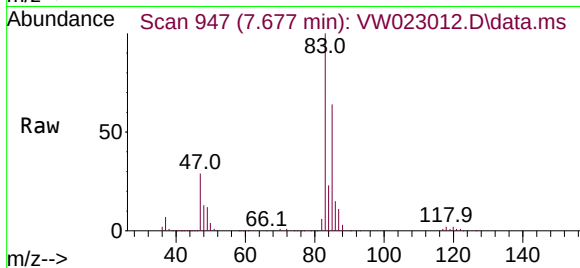
ClientSampleId :

Tgt Ion: 83 Resp: 220613

Ion Ratio Lower Upper

83 100

85 64.3 46.6 86.6



#27

1,2-Dichloroethane

Concen: 27.265 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VW023012.D

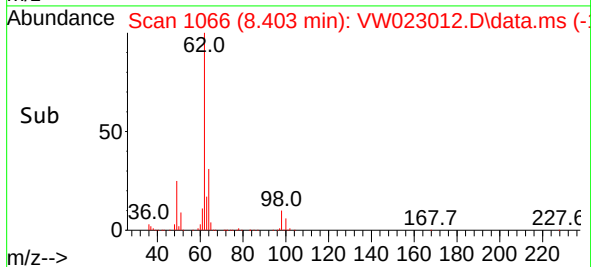
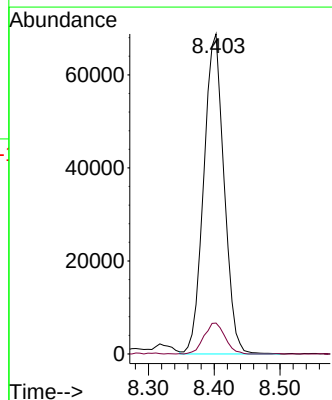
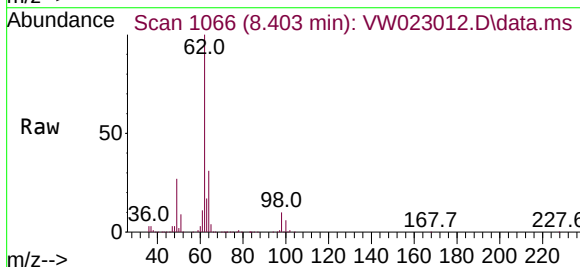
Acq: 12 May 2022 19:31

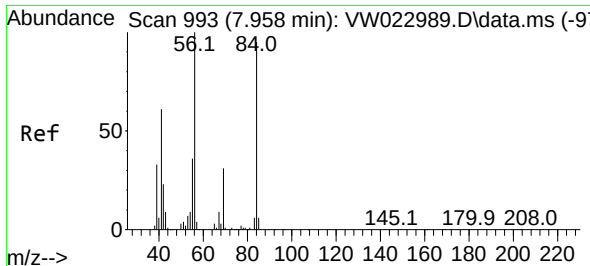
Tgt Ion: 62 Resp: 148037

Ion Ratio Lower Upper

62 100

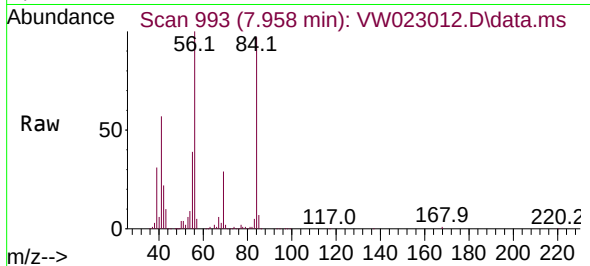
98 9.7 7.2 10.8



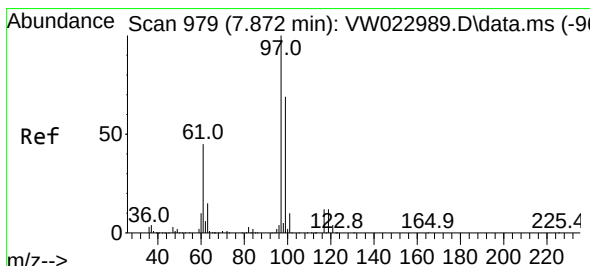
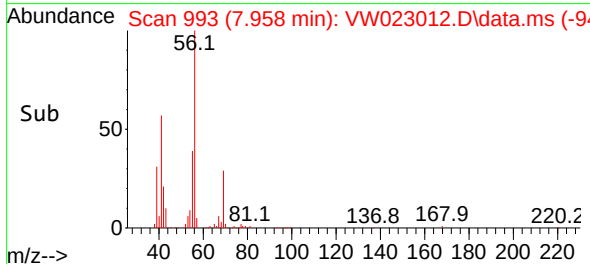
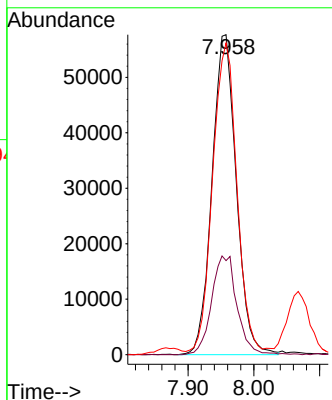


#29
Cyclohexane
Concen: 22.529 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Instrument :
MSVOA_W
ClientSampleId :

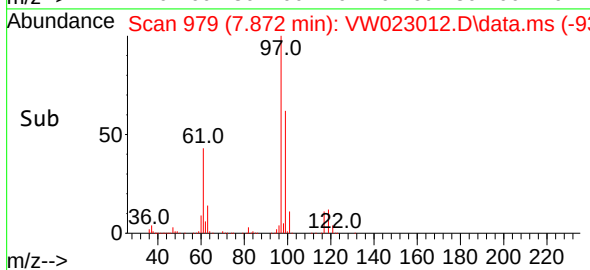
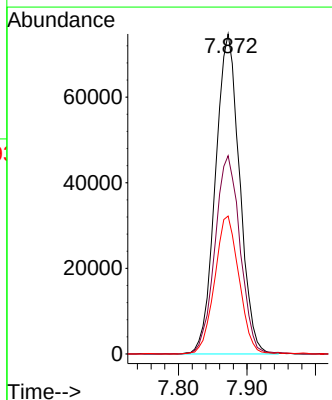
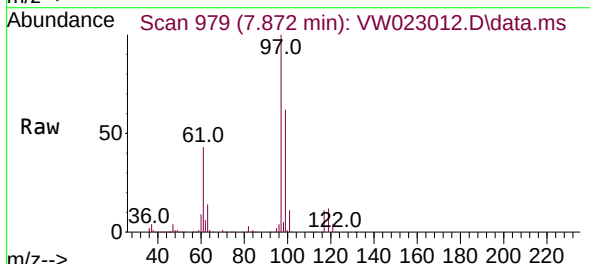


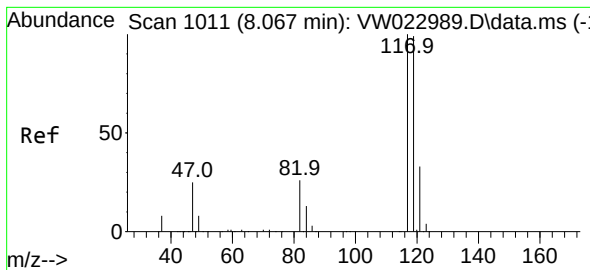
Tgt Ion:	56	Resp:	148368
Ion Ratio	Lower	Upper	
56	100		
69	32.1	25.6	38.4
84	97.8	78.2	117.4



#30
1,1,1-Trichloroethane
Concen: 25.415 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion:	97	Resp:	182895
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.0	76.4
61	43.5	34.8	52.2

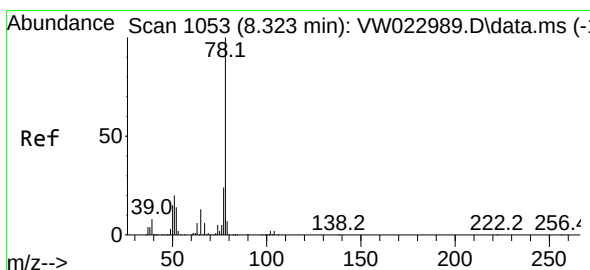
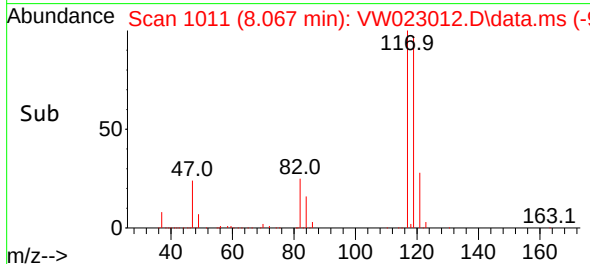
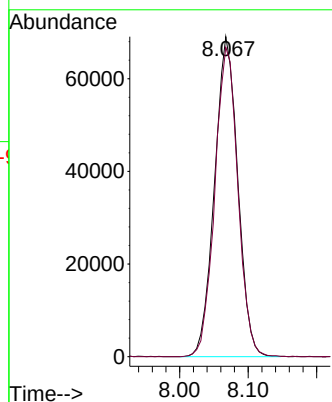
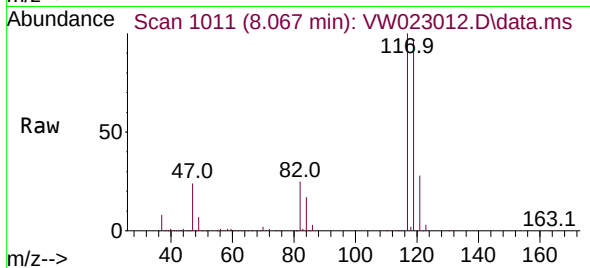




#31
Carbon tetrachloride
Concen: 24.142 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

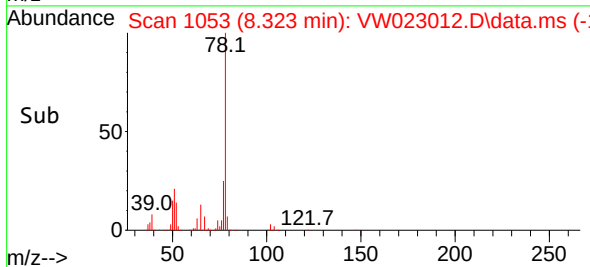
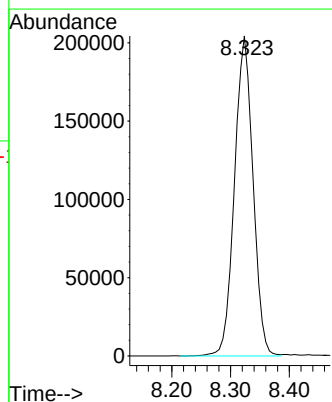
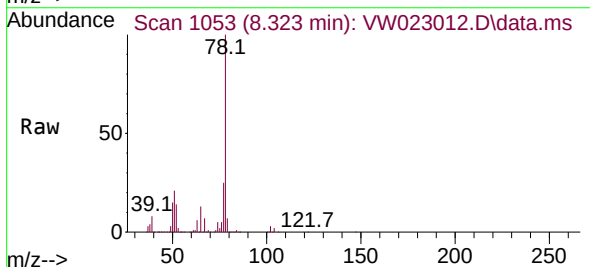
Instrument :
MSVOA_W
ClientSampleId :

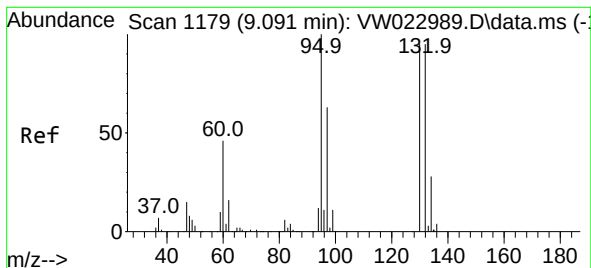
Tgt Ion:117 Resp: 162512
Ion Ratio Lower Upper
117 100
119 95.9 76.6 115.0



#33
Benzene
Concen: 24.961 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 78 Resp: 447777





#34

Trichloroethene

Concen: 24.285 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

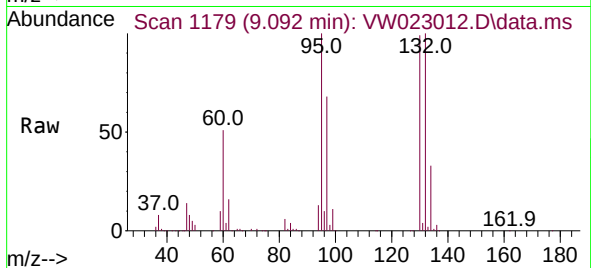
Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 119808

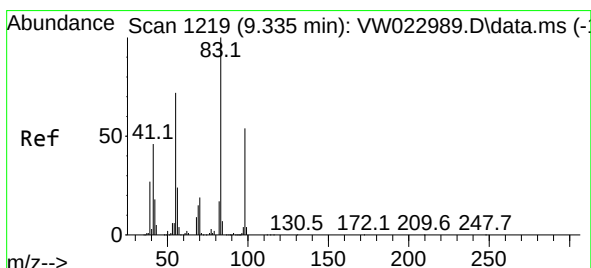
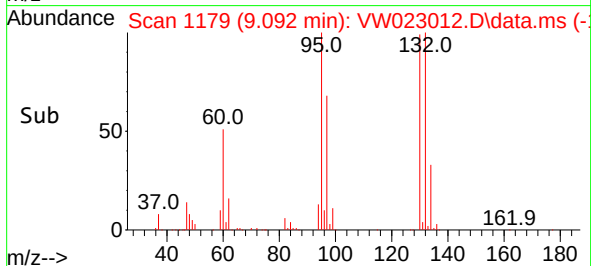
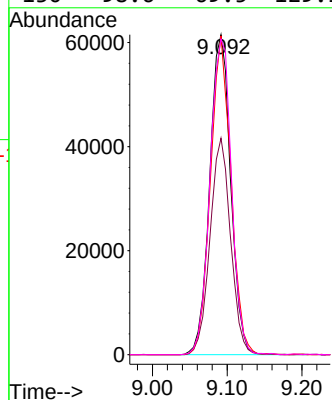
Ion Ratio Lower Upper

95 100

97 67.6 46.1 85.7

132 99.6 66.9 124.3

130 98.6 69.5 129.1



#35

Methylcyclohexane

Concen: 22.536 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

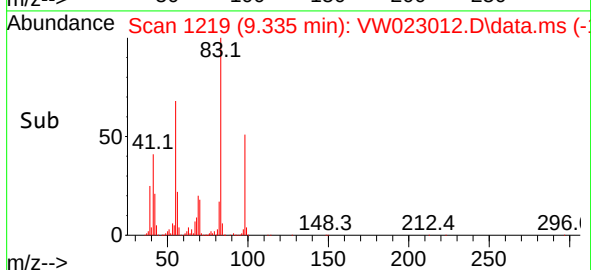
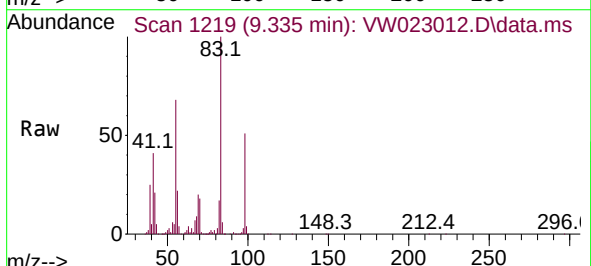
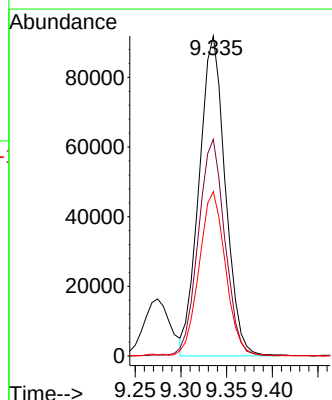
Tgt Ion: 83 Resp: 182650

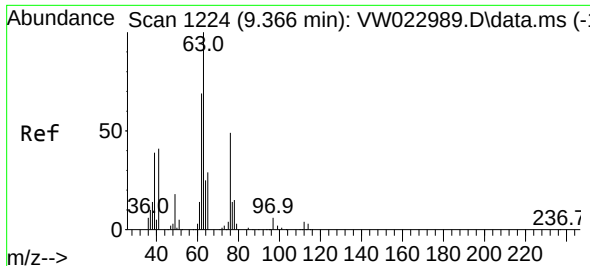
Ion Ratio Lower Upper

83 100

55 69.0 55.1 82.7

98 51.9 40.4 60.6





#37

1,2-Dichloropropane

Concen: 26.296 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

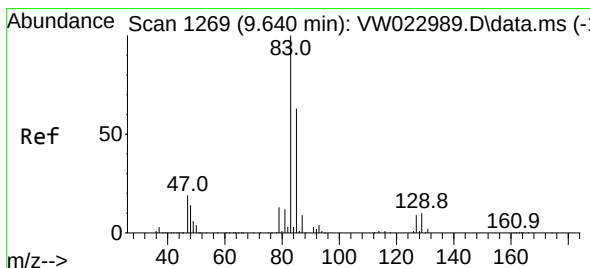
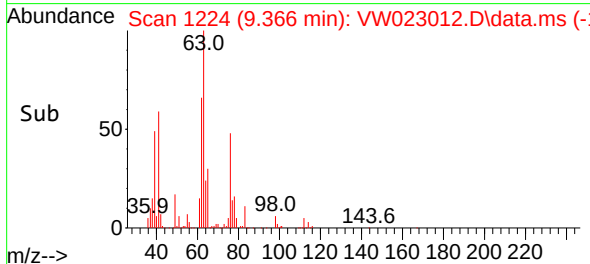
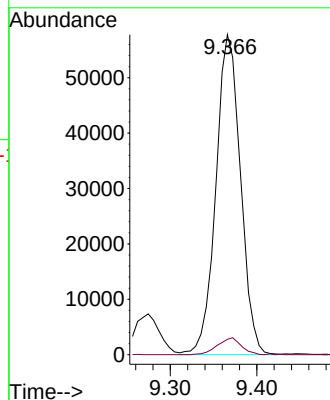
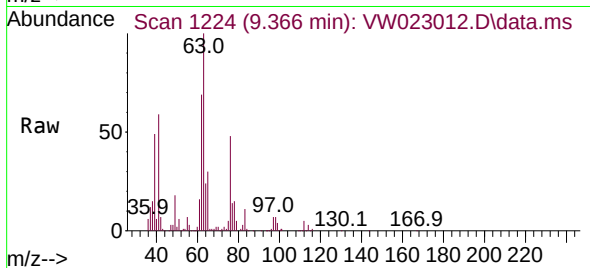
ClientSampleId :

Tgt Ion: 63 Resp: 114154

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 26.510 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

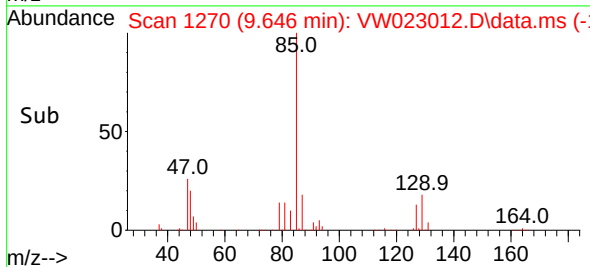
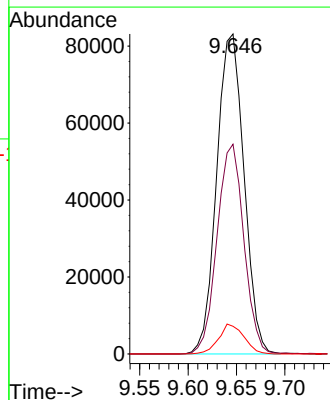
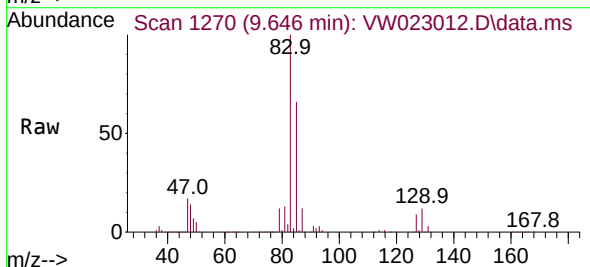
Tgt Ion: 83 Resp: 163460

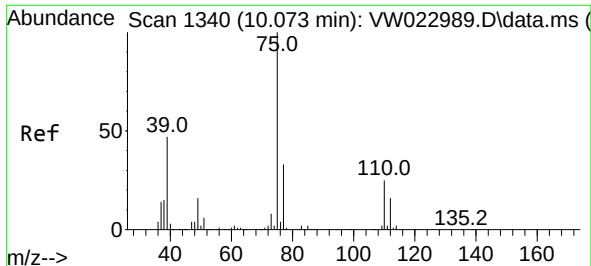
Ion Ratio Lower Upper

83 100

85 65.6 43.5 80.7

127 8.7 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 25.443 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

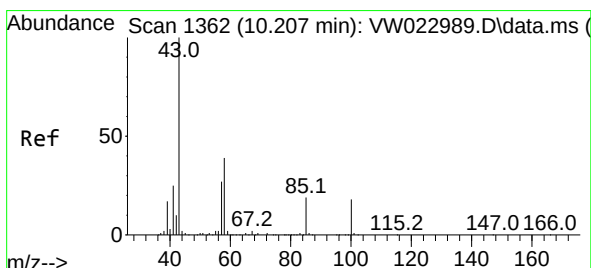
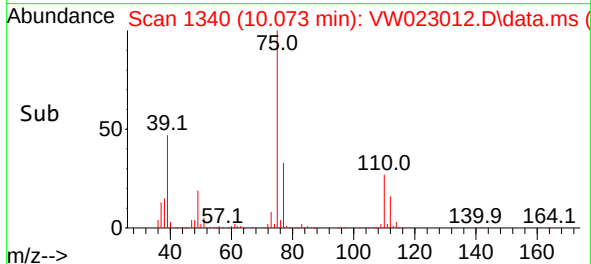
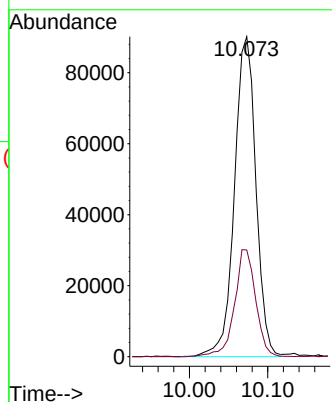
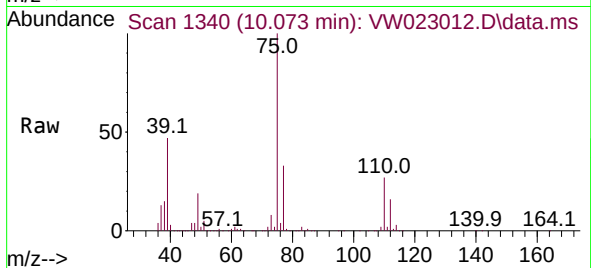
ClientSampleId :

Tgt Ion: 75 Resp: 171268

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 64.453 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

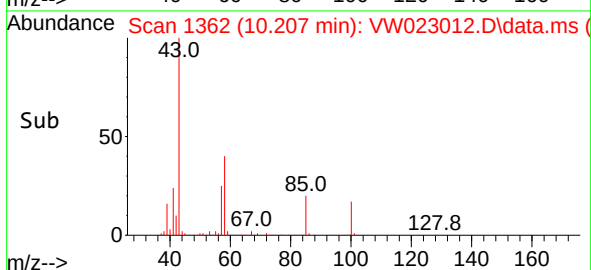
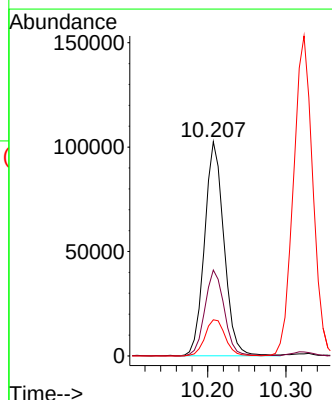
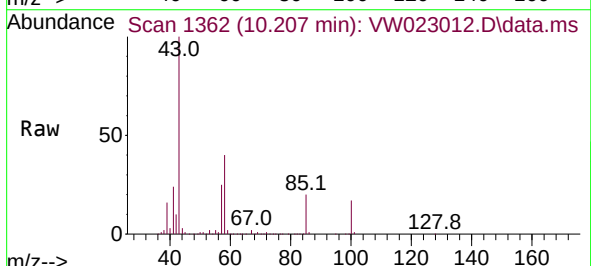
Tgt Ion: 43 Resp: 176358

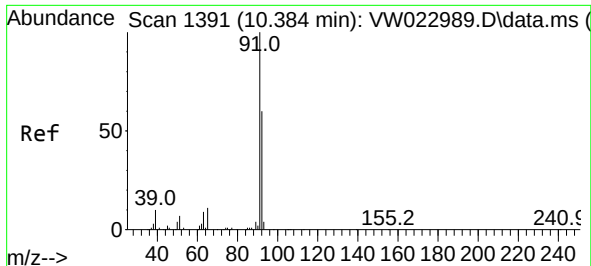
Ion Ratio Lower Upper

43 100

58 40.3 31.4 47.2

100 17.7 14.2 21.4

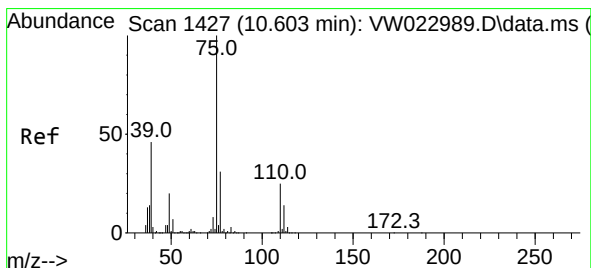
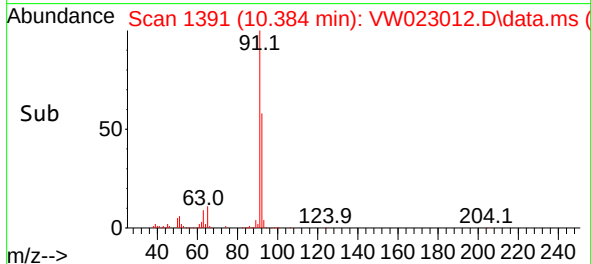
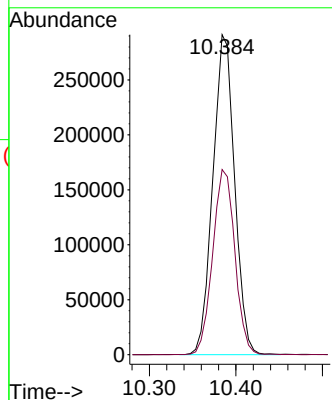
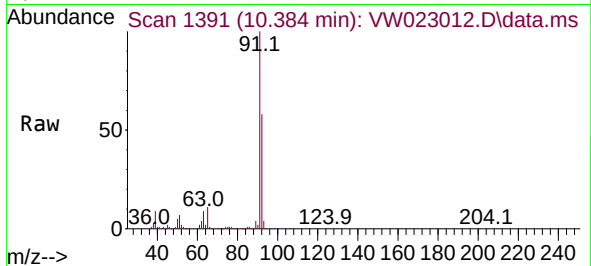




#42
Toluene
Concen: 25.262 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

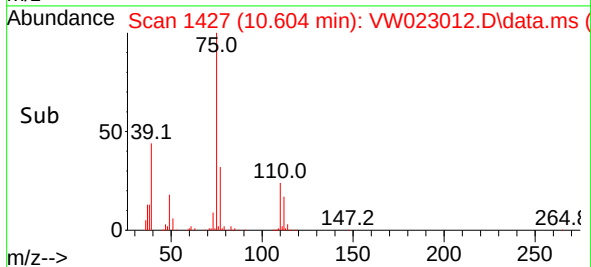
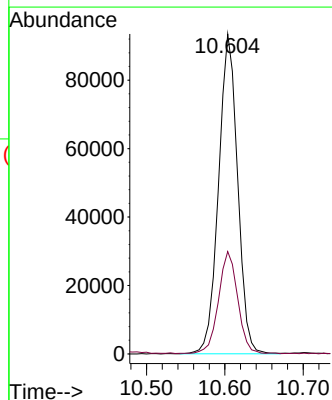
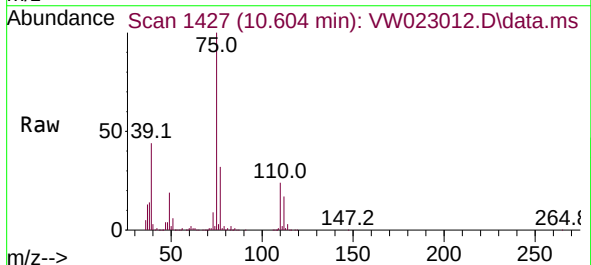
Instrument :
MSVOA_W
ClientSampleId :

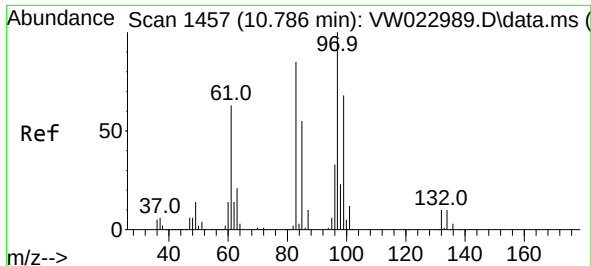
Tgt Ion: 91 Resp: 507863
Ion Ratio Lower Upper
91 100
92 57.9 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 26.264 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

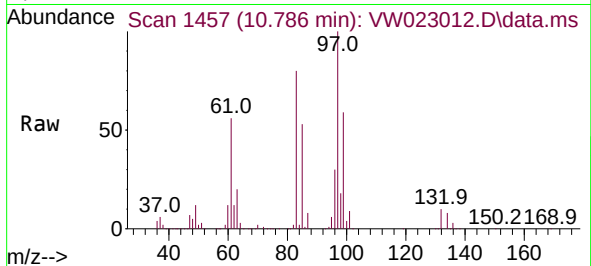
Tgt Ion: 75 Resp: 157800
Ion Ratio Lower Upper
75 100
77 32.0 22.0 40.8



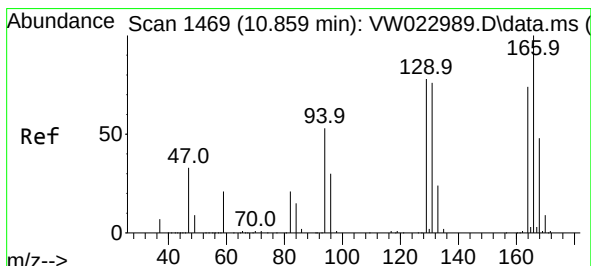
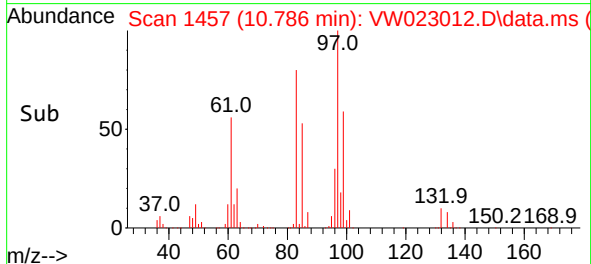
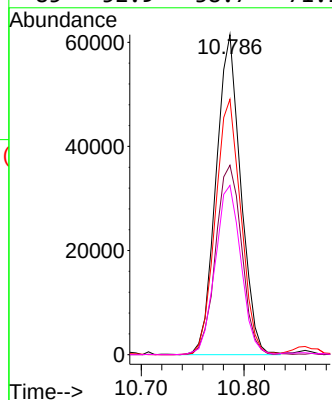


#45
1,1,2-Trichloroethane
Concen: 28.301 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Instrument :
MSVOA_W
ClientSampleId :

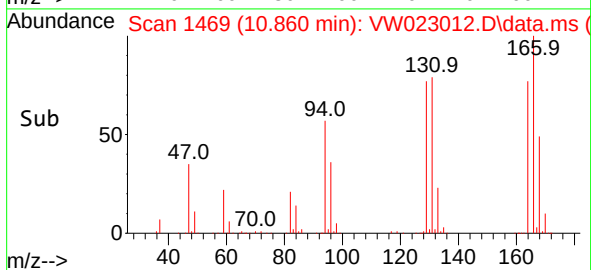
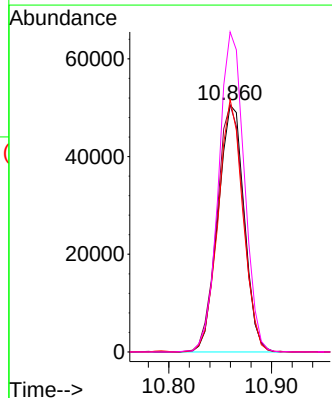
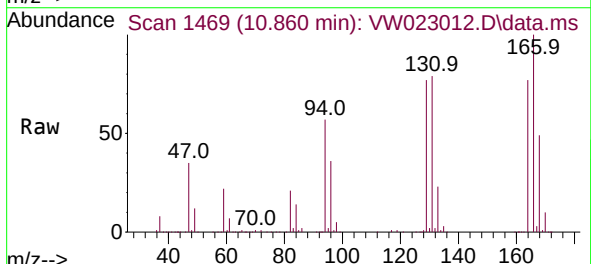


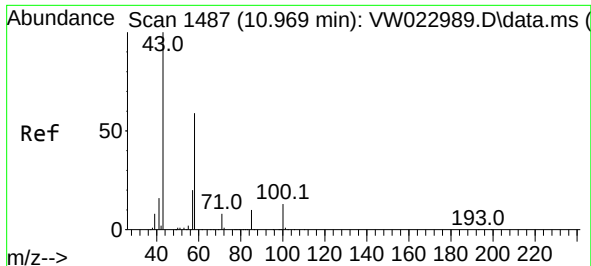
Tgt Ion:	97	Resp:	102707
Ion	Ratio	Lower	Upper
97	100		
99	59.2	44.7	82.9
83	79.8	58.4	108.4
85	52.9	38.7	71.9



#46
Tetrachloroethene
Concen: 24.120 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

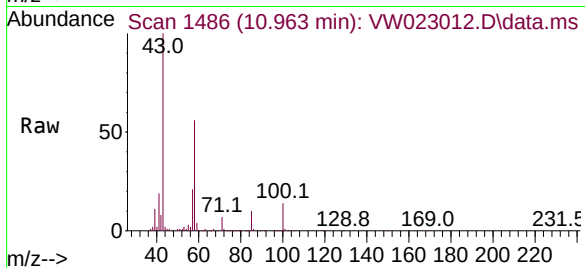
Tgt Ion:	164	Resp:	89424
Ion	Ratio	Lower	Upper
164	100		
129	100.0	76.9	142.7
131	102.3	75.1	139.5
166	129.6	96.0	178.2



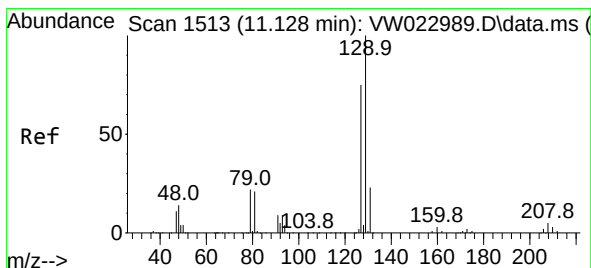
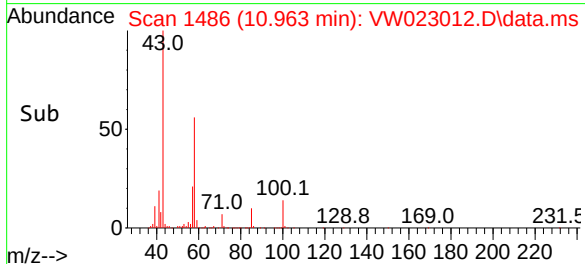
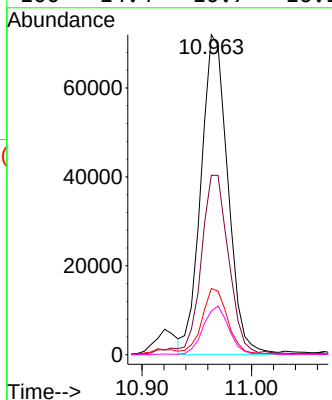


#48
2-Hexanone
Concen: 67.084 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Instrument :
MSVOA_W
ClientSampleId :

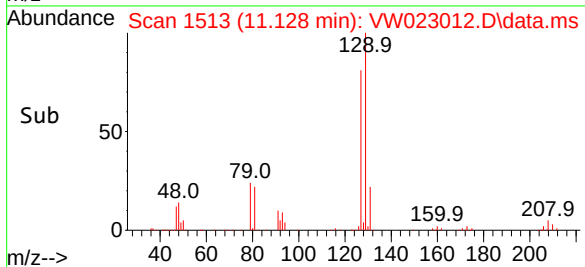
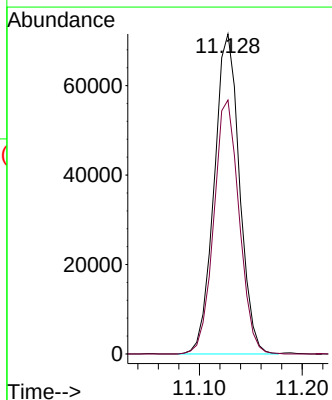
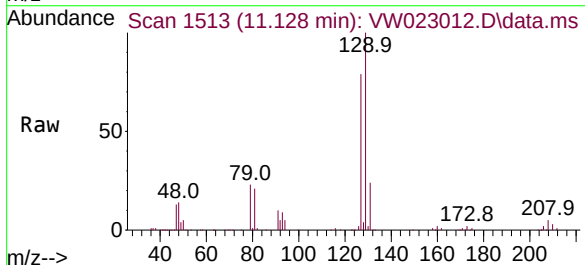


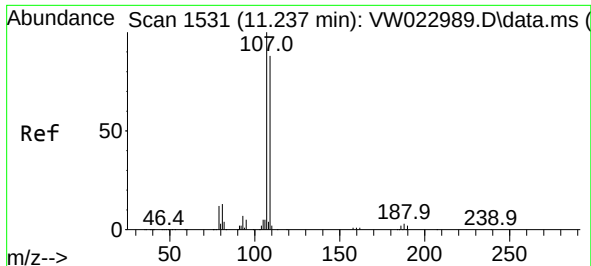
Tgt Ion: 43 Resp: 122646
Ion Ratio Lower Upper
43 100
58 55.0 45.9 68.9
57 19.8 16.2 24.2
100 14.4 10.7 16.1



#49
Dibromochloromethane
Concen: 28.005 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 129 Resp: 122322
Ion Ratio Lower Upper
129 100
127 79.3 53.8 100.0





#50

1,2-Dibromoethane

Concen: 28.788 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.006 min

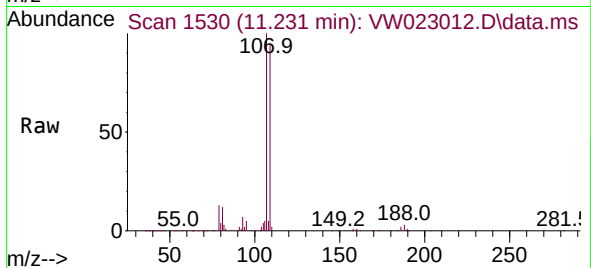
Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :



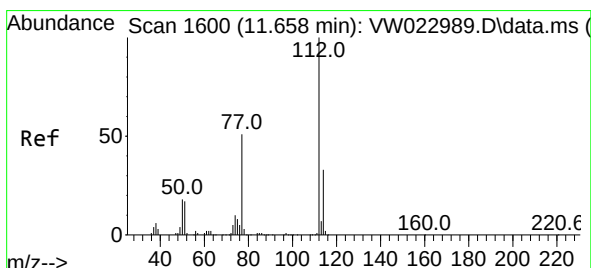
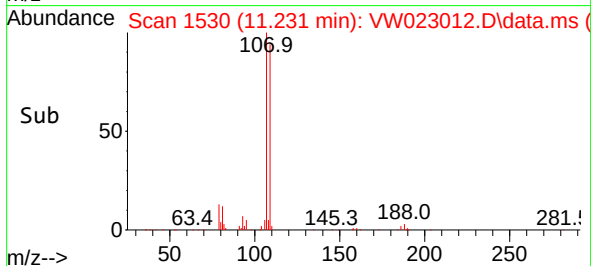
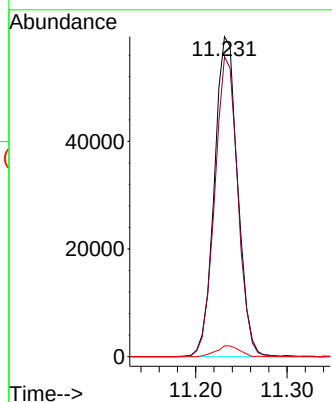
Tgt Ion:107 Resp: 104904

Ion Ratio Lower Upper

107 100

109 93.8 67.5 125.4

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 26.325 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

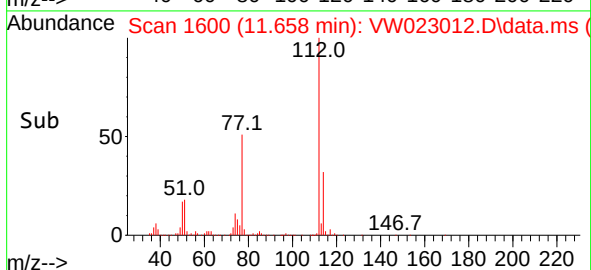
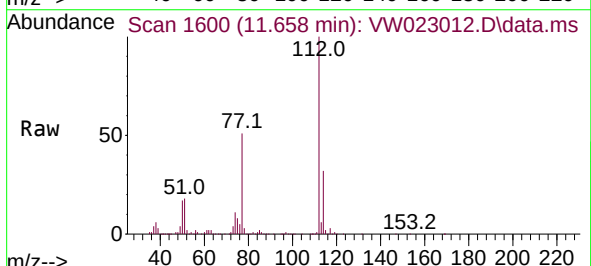
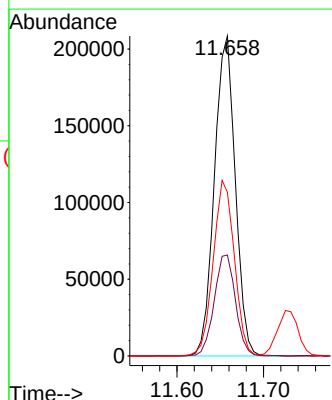
Tgt Ion:112 Resp: 348902

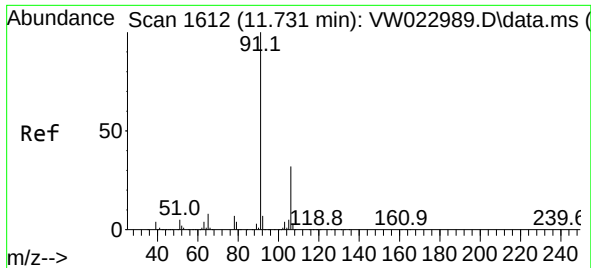
Ion Ratio Lower Upper

112 100

114 31.6 22.0 41.0

77 51.1 42.6 63.8

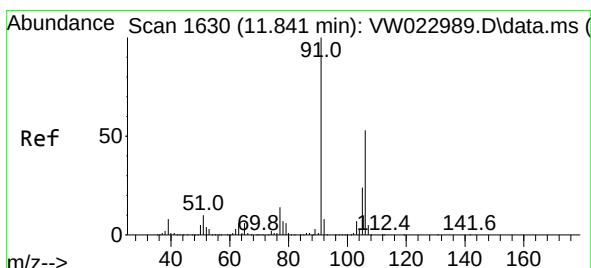
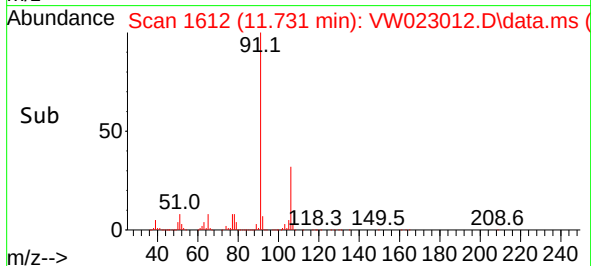
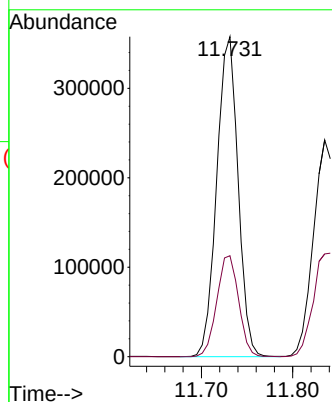
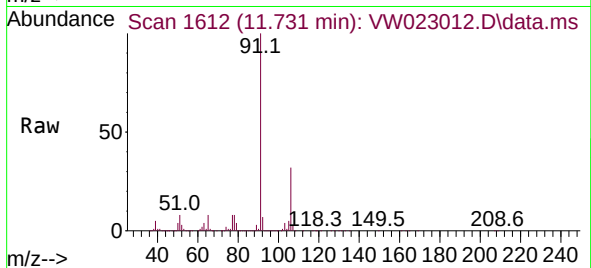




#52
Ethylbenzene
Concen: 25.955 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

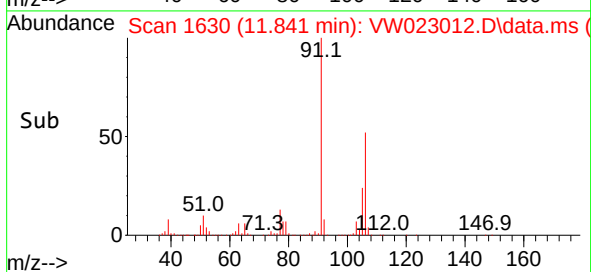
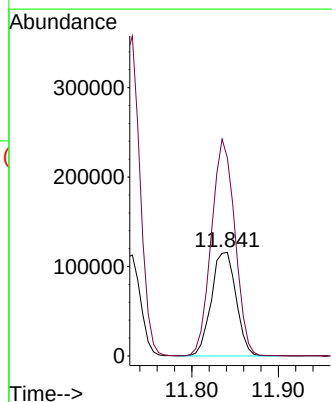
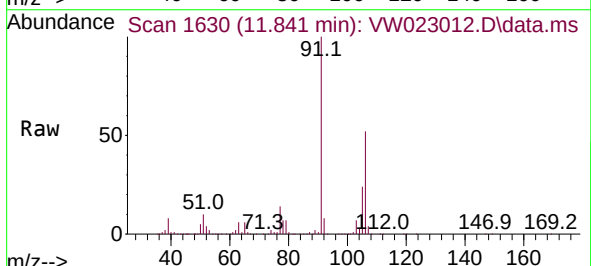
Instrument :
MSVOA_W
ClientSampleId :

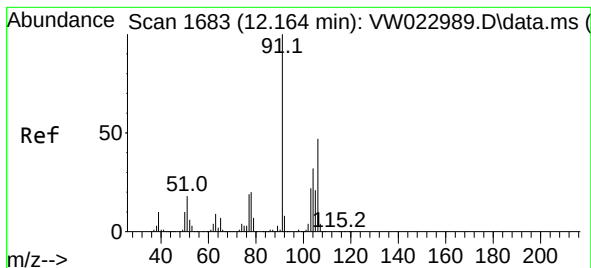
Tgt Ion: 91 Resp: 580516
Ion Ratio Lower Upper
91 100
106 31.6 22.3 41.3



#53
m,p-Xylene
Concen: 26.110 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion: 106 Resp: 230103
Ion Ratio Lower Upper
106 100
91 191.2 136.8 254.0





#54

o-Xylene

Concen: 27.081 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

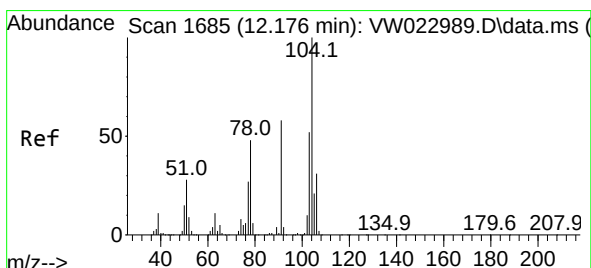
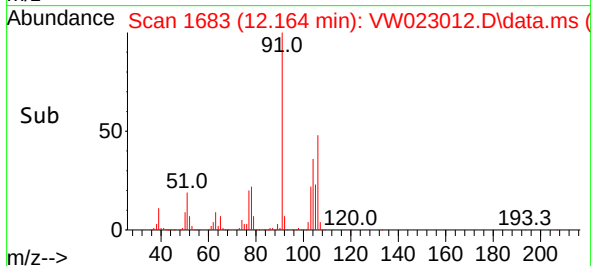
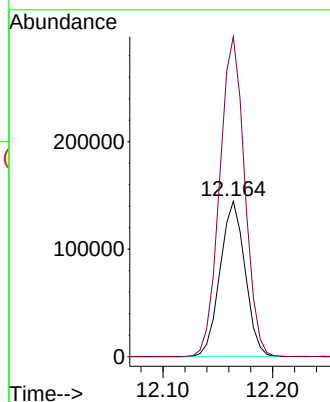
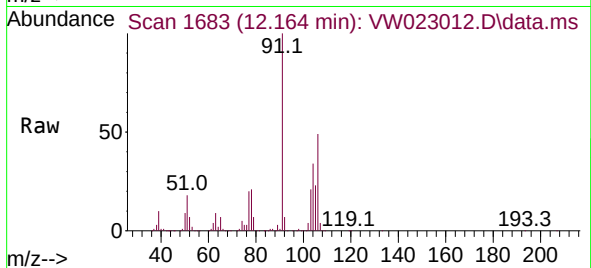
ClientSampleId :

Tgt Ion:106 Resp: 229020

Ion Ratio Lower Upper

106 100

91 205.8 147.2 273.4



#55

Styrene

Concen: 27.660 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW023012.D

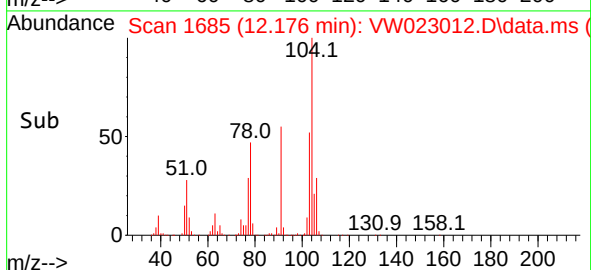
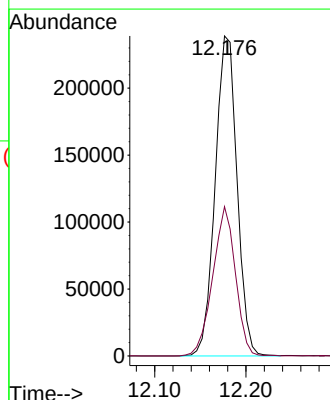
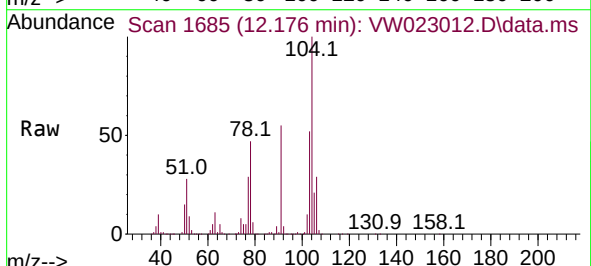
Acq: 12 May 2022 19:31

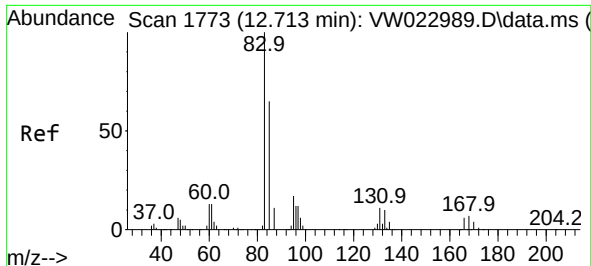
Tgt Ion:104 Resp: 397486

Ion Ratio Lower Upper

104 100

78 46.6 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 30.315 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

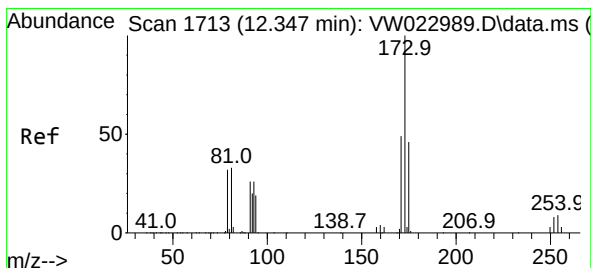
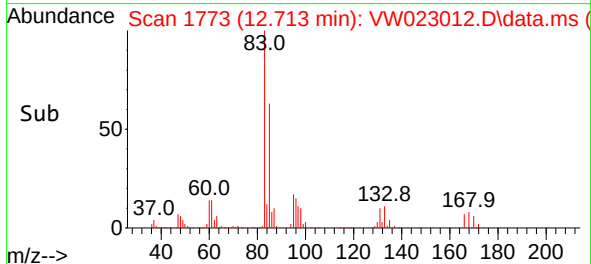
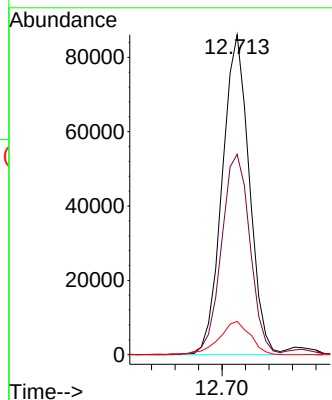
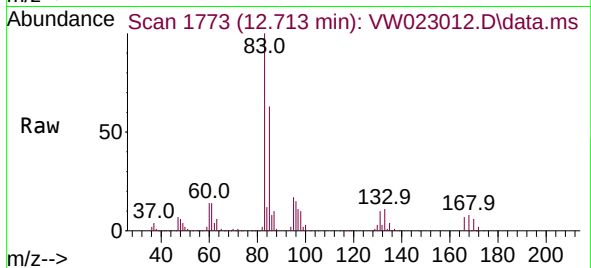
Tgt Ion: 83 Resp: 137413

Ion Ratio Lower Upper

83 100

85 62.6 47.5 88.1

131 10.4 8.7 13.1



#59

Bromoform

Concen: 30.022 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

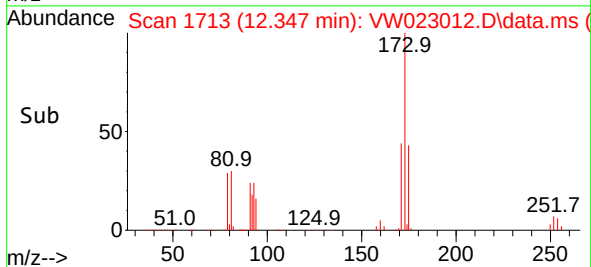
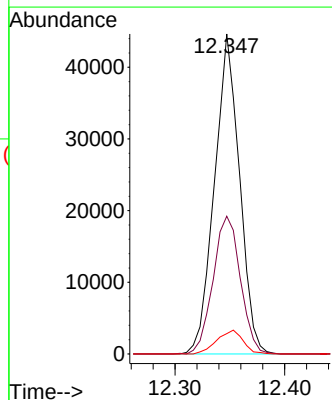
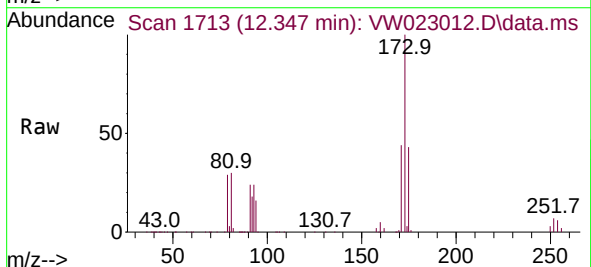
Tgt Ion: 173 Resp: 70777

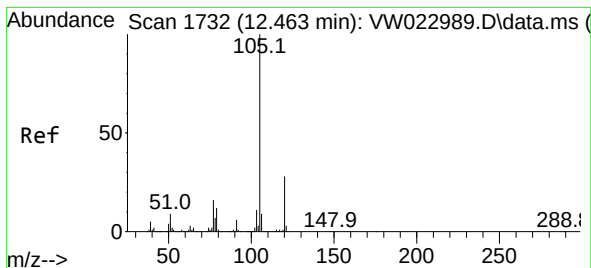
Ion Ratio Lower Upper

173 100

175 46.9 38.1 57.1

254 7.8 6.5 9.7





#60

Isopropylbenzene

Concen: 27.319 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

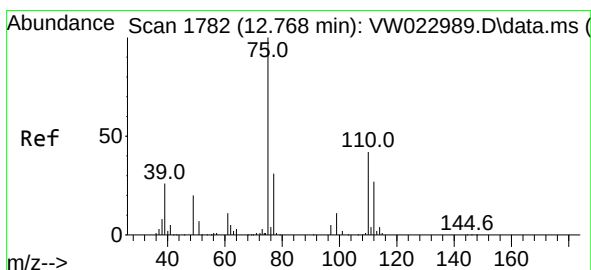
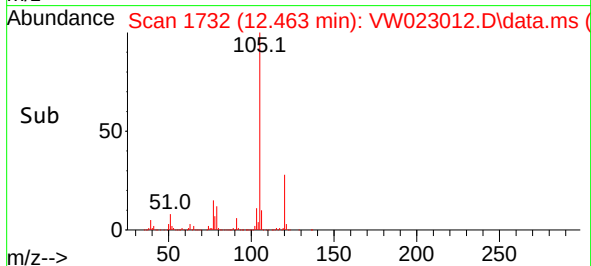
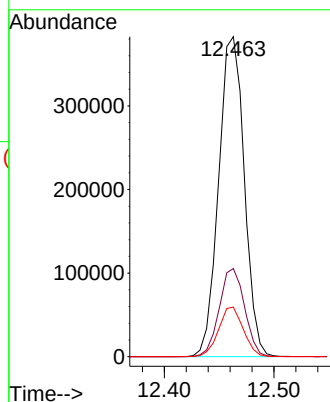
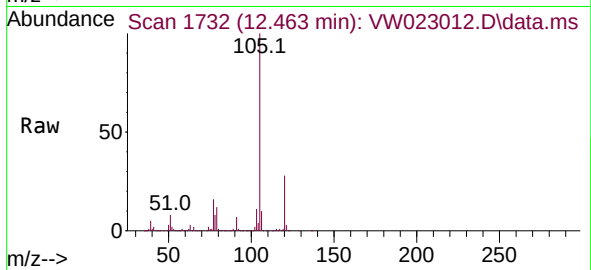
Tgt Ion:105 Resp: 622585

Ion Ratio Lower Upper

105 100

120 27.2 21.3 31.9

77 15.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 30.218 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

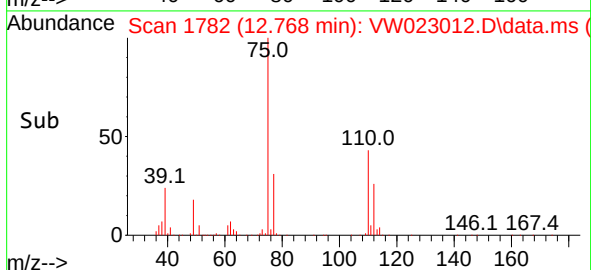
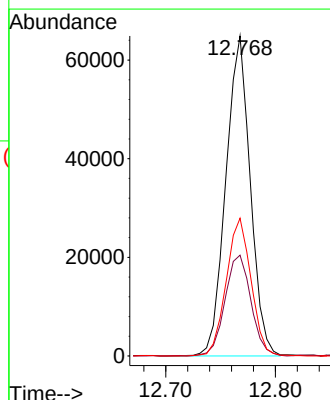
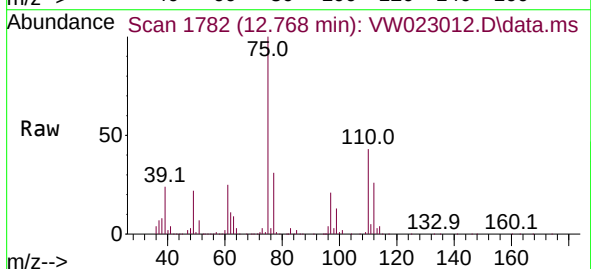
Tgt Ion: 75 Resp: 100439

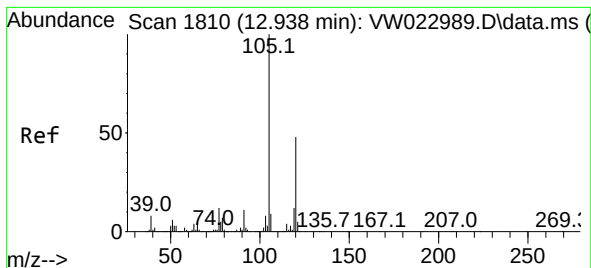
Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2

110 43.7 34.1 51.1

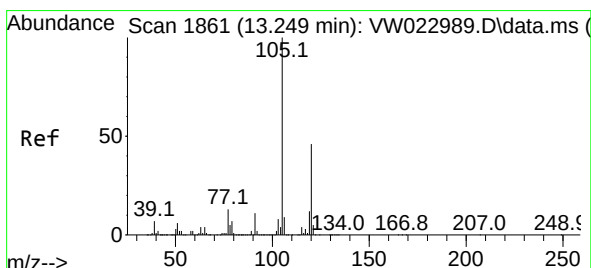
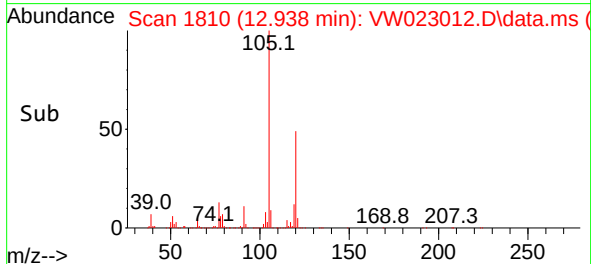
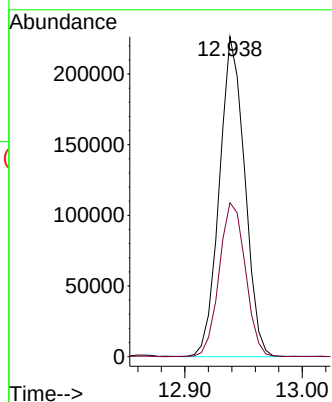
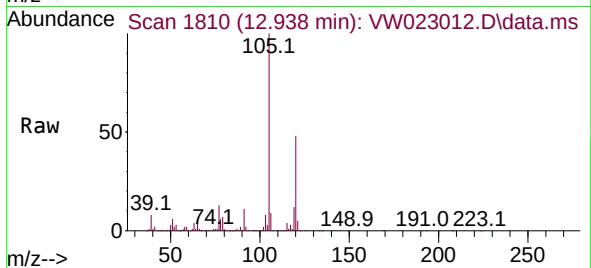




#62
1,3,5-Trimethylbenzene
Concen: 26.712 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

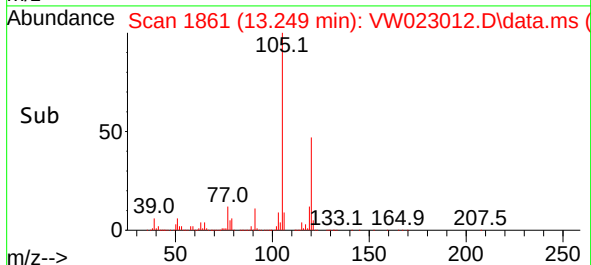
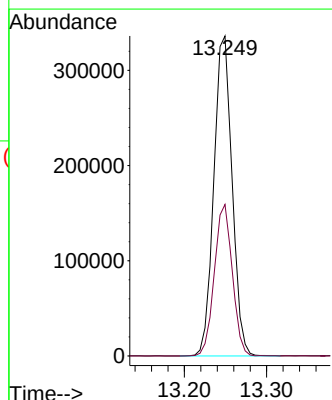
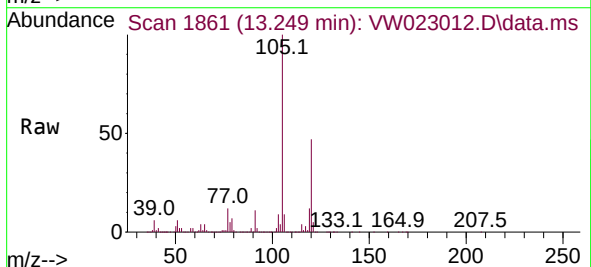
Instrument :
MSVOA_W
ClientSampleId :

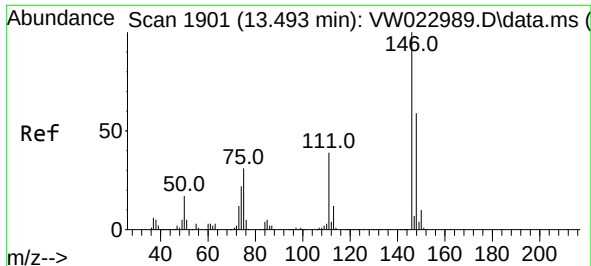
Tgt Ion:105 Resp: 338676
Ion Ratio Lower Upper
105 100
120 49.8 38.9 58.3



#63
1,2,4-Trimethylbenzene
Concen: 27.320 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion:105 Resp: 520092
Ion Ratio Lower Upper
105 100
120 46.5 37.4 56.2

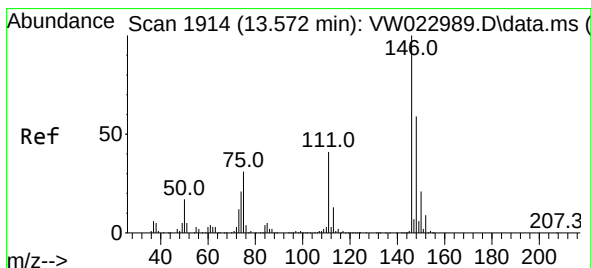
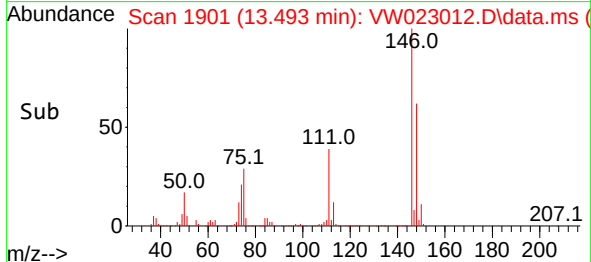
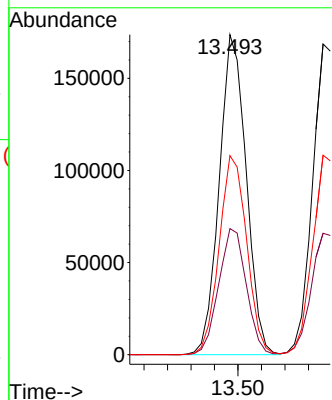
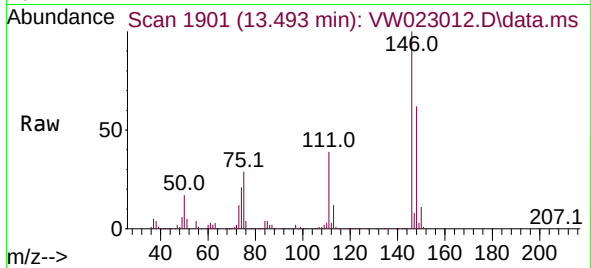




#64
1,3-Dichlorobenzene
Concen: 27.211 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

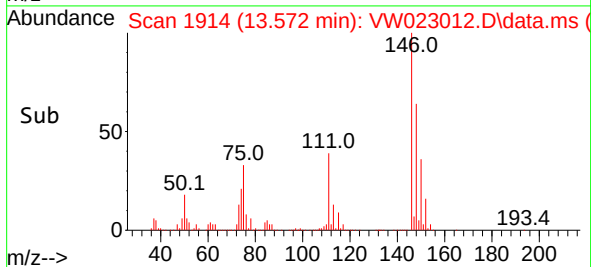
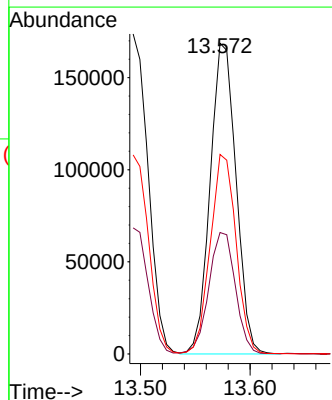
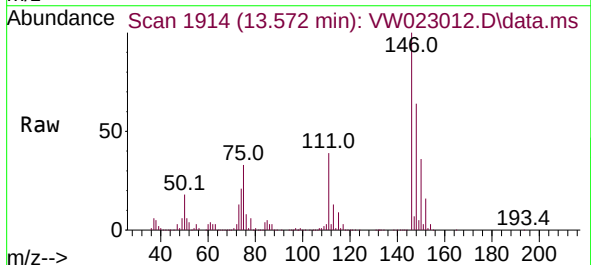
Instrument :
MSVOA_W
ClientSampleId :

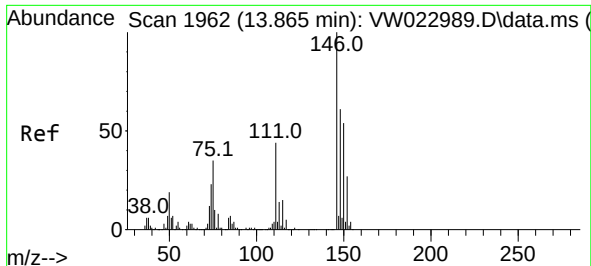
Tgt Ion:146 Resp: 276870
Ion Ratio Lower Upper
146 100
111 39.4 29.5 54.9
148 62.2 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 26.374 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion:146 Resp: 277183
Ion Ratio Lower Upper
146 100
111 39.1 27.2 50.4
148 64.2 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 27.217 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :

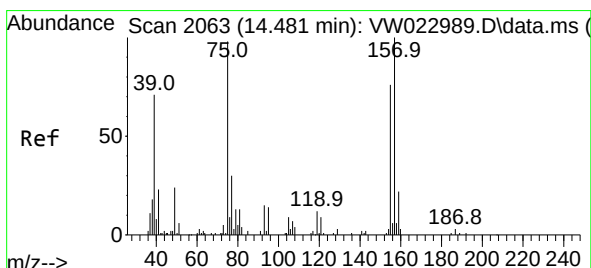
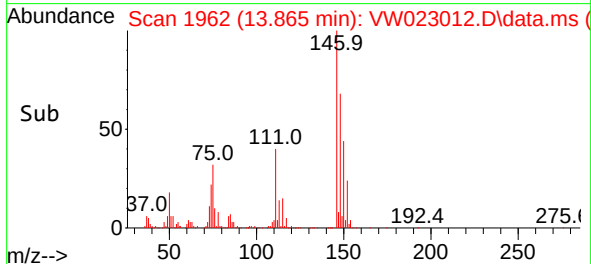
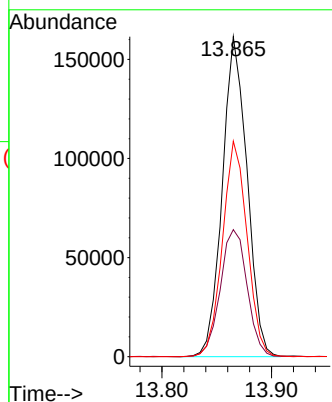
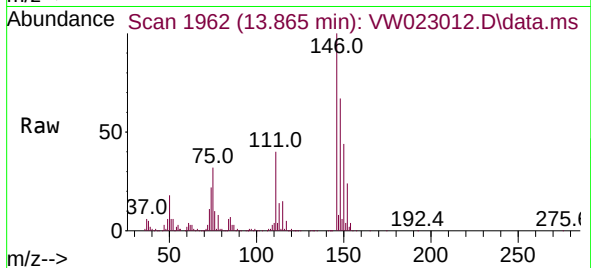
Tgt Ion:146 Resp: 253411

Ion Ratio Lower Upper

146 100

111 39.7 35.7 53.5

148 67.3 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 31.230 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

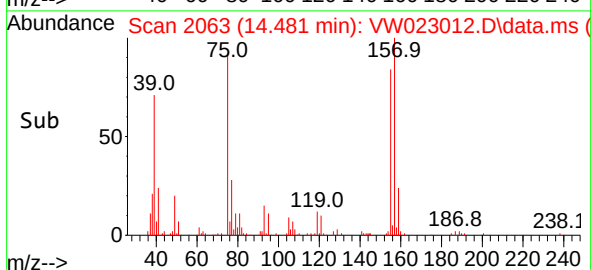
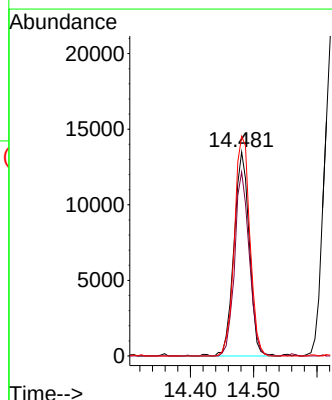
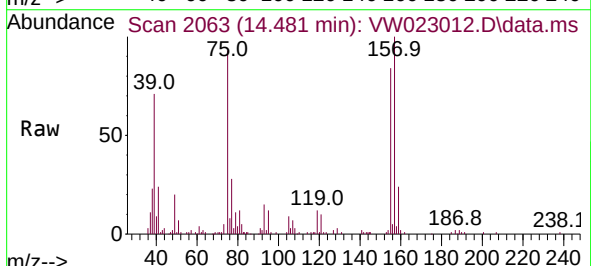
Tgt Ion: 75 Resp: 22686

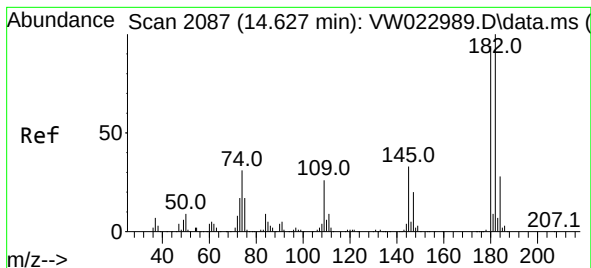
Ion Ratio Lower Upper

75 100

155 90.2 59.3 88.9#

157 107.7 89.8 134.8





#69

1,3,5-Trichlorobenzene

Concen: 26.023 ug/L

RT: 14.621 min Scan# 2087

Delta R.T. -0.006 min

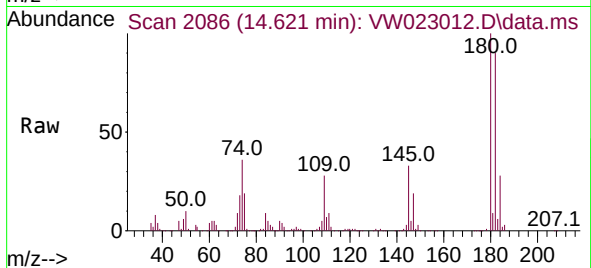
Lab File: VW023012.D

Acq: 12 May 2022 19:31

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 175754

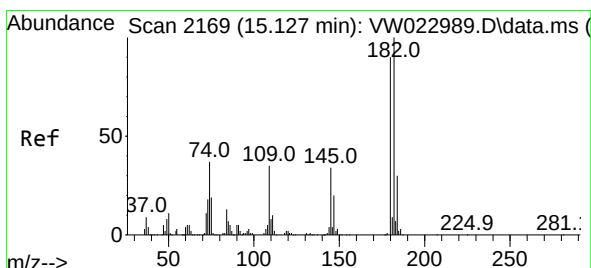
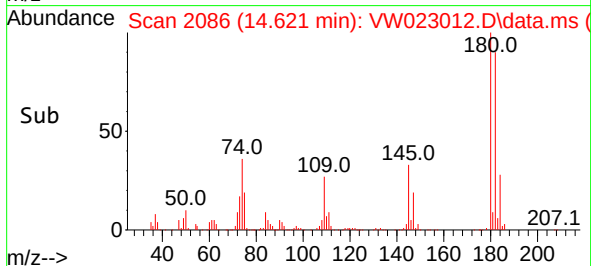
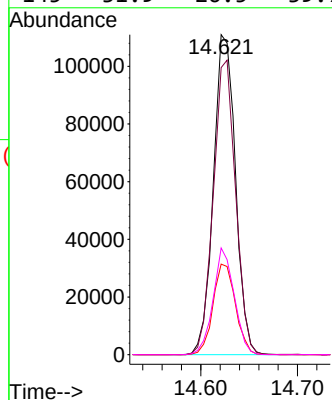
Ion Ratio Lower Upper

180 100

182 92.9 74.8 112.2

184 28.9 23.4 35.2

145 31.9 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 25.536 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW023012.D

Acq: 12 May 2022 19:31

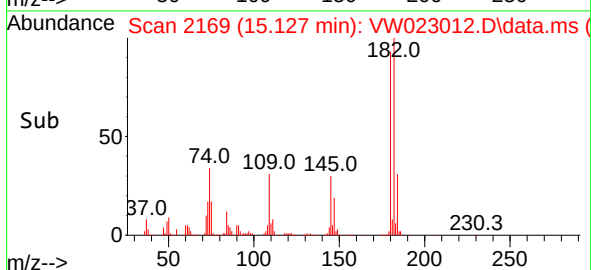
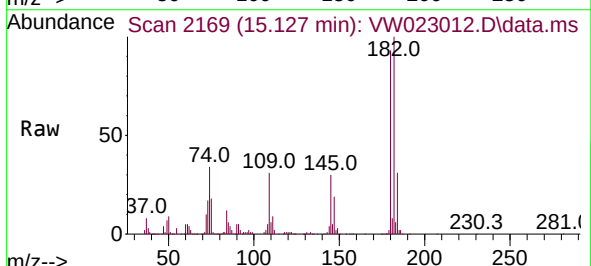
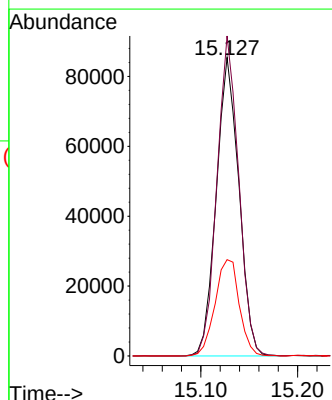
Tgt Ion:180 Resp: 138734

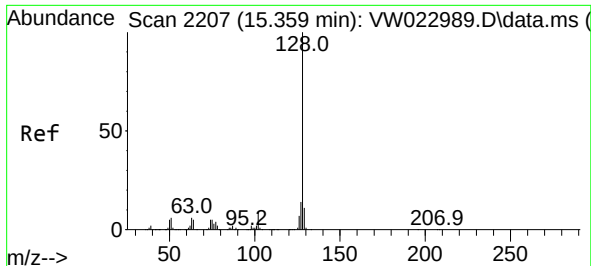
Ion Ratio Lower Upper

180 100

182 103.0 74.9 112.3

145 34.6 26.6 39.8

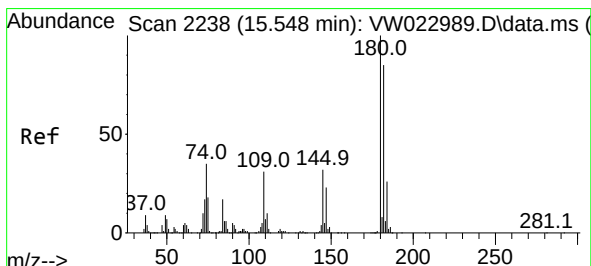
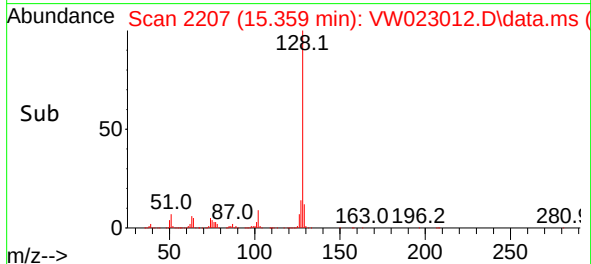
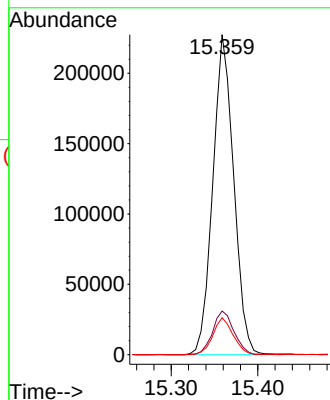
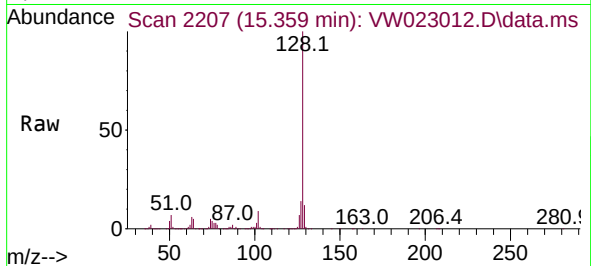




#71
Naphthalene
Concen: 32.241 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 380713
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 28.045 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VW023012.D
Acq: 12 May 2022 19:31

Tgt Ion:180 Resp: 135044
Ion Ratio Lower Upper
180 100
182 93.5 73.5 110.3
145 35.4 27.9 41.9

