

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021179.D
 Acq On : 06 Dec 2021 19:12
 Operator : SY/VA
 Sample : M4888-08MSD
 Misc : 7.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B3MSD

Quant Time: Dec 07 01:53:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 07 01:47:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	92993	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	81559	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	42386	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	29548	22.806	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.240%
7) Chloroethane-d5	2.879	69	20051	23.118	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.480%
11) 1,1-Dichloroethene-d2	4.019	63	40927	19.773	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.080%
21) 2-Butanone-d5	7.080	46	14527	49.156	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.320%
24) Chloroform-d	7.647	84	51112	21.947	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	8.305	65	29582	23.218	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.880%
32) Benzene-d6	8.268	84	93576	22.439	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.760%
36) 1,2-Dichloropropane-d6	9.274	67	27761	23.955	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.800%
41) Toluene-d8	10.323	98	90266	21.110	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.440%
43) trans-1,3-Dichloroprop...	10.579	79	12073	22.943	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.760%
47) 2-Hexanone-d5	10.920	63	12155	54.820	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.640%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	26712	24.915	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.640%
66) 1,2-Dichlorobenzene-d4	13.853	152	31998	21.070	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	11378	25.049	ug/L	98
3) Chloromethane	2.215	50	23268	22.882	ug/L	99
5) Vinyl chloride	2.355	62	39191	22.185	ug/L	96
6) Bromomethane	2.769	94	25208	21.461	ug/L	95
8) Chloroethane	2.916	64	16651	22.617	ug/L	100
9) Trichlorofluoromethane	3.257	101	15818	18.544	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	26314	19.709	ug/L	91
12) 1,1-Dichloroethene	4.031	96	23693	19.629	ug/L	81
13) Acetone	4.123	43	11405	42.366	ug/L	92
14) Carbon disulfide	4.385	76	60829	18.156	ug/L	97
15) Methyl Acetate	4.672	43	11174	22.892	ug/L	# 89
16) Methylene chloride	4.909	84	29346	20.030	ug/L	83
17) trans-1,2-Dichloroethene	5.421	96	25778	20.058	ug/L	86
18) Methyl tert-butyl Ether	5.421	73	46899	24.178	ug/L	94
19) 1,1-Dichloroethane	6.214	63	43419	21.306	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	28760	21.093	ug/L	68
22) 2-Butanone	7.171	43	16433	44.111	ug/L	88
23) Bromochloromethane	7.513	128	14306	22.425	ug/L	# 70
25) Chloroform	7.677	83	49067	21.449	ug/L	98

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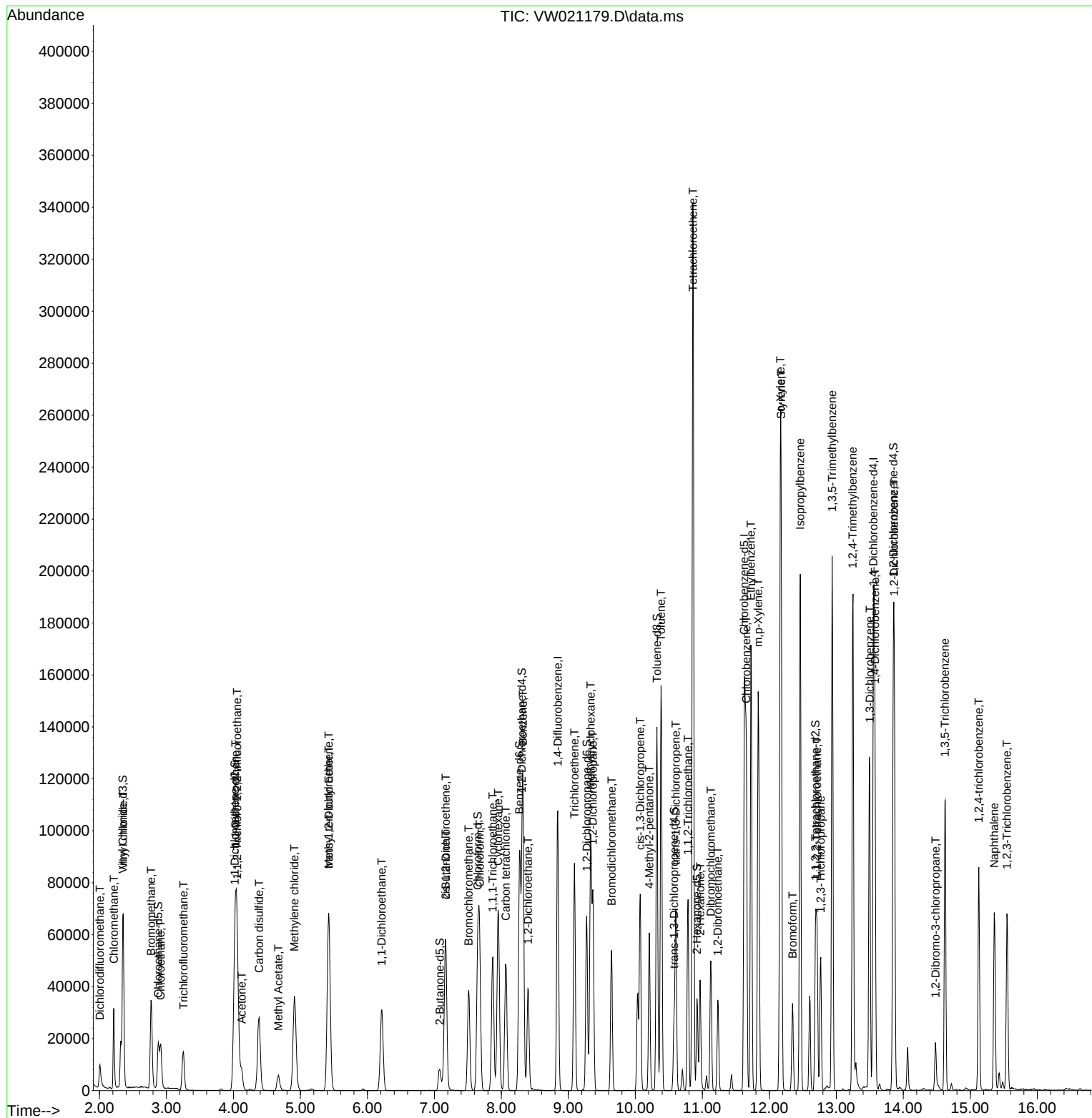
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	35290	23.583	ug/L #	95
29) Cyclohexane	7.951	56	35545	19.756	ug/L #	82
30) 1,1,1-Trichloroethane	7.872	97	40531	21.314	ug/L	95
31) Carbon tetrachloride	8.067	117	37405	21.168	ug/L	99
33) Benzene	8.323	78	100377	21.642	ug/L	100
34) Trichloroethene	9.091	95	27564	21.542	ug/L	85
35) Methylcyclohexane	9.335	83	39868	18.511	ug/L	86
37) 1,2-Dichloropropane	9.366	63	24220	23.105	ug/L #	97
38) Bromodichloromethane	9.646	83	34496	23.410	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	39639	23.378	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	36132	50.597	ug/L #	92
42) Toluene	10.384	91	112955	21.323	ug/L	96
44) trans-1,3-Dichloropropene	10.603	75	35529	23.160	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	21878	24.894	ug/L	92
46) Tetrachloroethene	10.859	164	72261	61.674	ug/L	89
48) 2-Hexanone	10.969	43	27166	52.734	ug/L #	97
49) Dibromochloromethane	11.128	129	26126	23.785	ug/L	95
50) 1,2-Dibromoethane	11.231	107	21812	24.337	ug/L #	99
51) Chlorobenzene	11.658	112	70820	20.007	ug/L	91
52) Ethylbenzene	11.725	91	120484	20.203	ug/L	99
53) m,p-Xylene	11.835	106	49286	19.977	ug/L	91
54) o-Xylene	12.164	106	48955	21.047	ug/L	89
55) Styrene	12.176	104	77808	19.633	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.713	83	25598	24.216	ug/L #	96
59) Bromoform	12.347	173	14836	24.544	ug/L	98
60) Isopropylbenzene	12.463	105	127669	21.673	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	19250	27.112	ug/L	94
62) 1,3,5-Trimethylbenzene	12.938	105	104818	21.248	ug/L	94
63) 1,2,4-Trimethylbenzene	13.243	105	101293	20.416	ug/L	94
64) 1,3-Dichlorobenzene	13.499	146	51510	18.571	ug/L	97
65) 1,4-Dichlorobenzene	13.579	146	54304	19.372	ug/L	87
67) 1,2-Dichlorobenzene	13.865	146	49968	20.233	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	4099	25.566	ug/L #	67
69) 1,3,5-Trichlorobenzene	14.621	180	35199	17.267	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	26493	15.816	ug/L	96
71) Naphthalene	15.359	128	58782	18.877	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	21807	14.917	ug/L	97

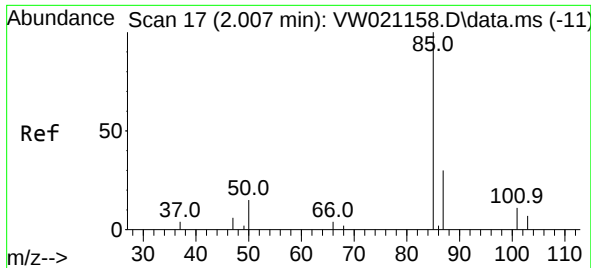
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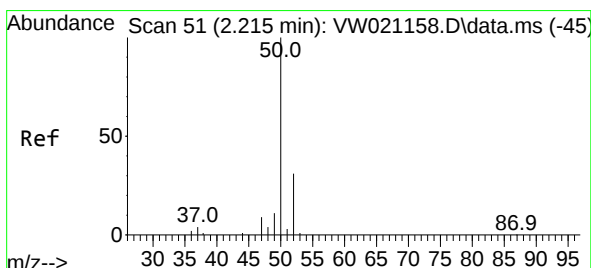
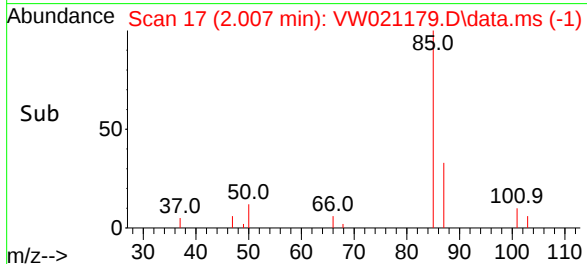
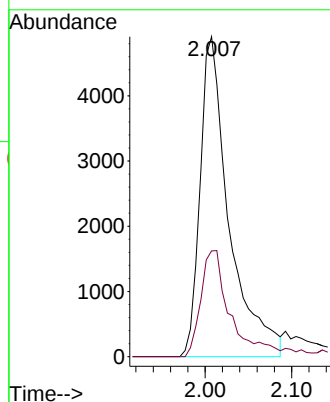
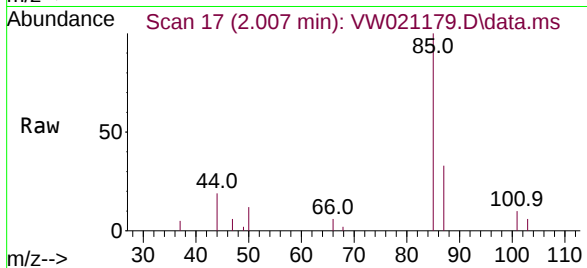




#2
 Dichlorodifluoromethane
 Concen: 25.049 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW021179.D
 Acq: 06 Dec 2021 19:12

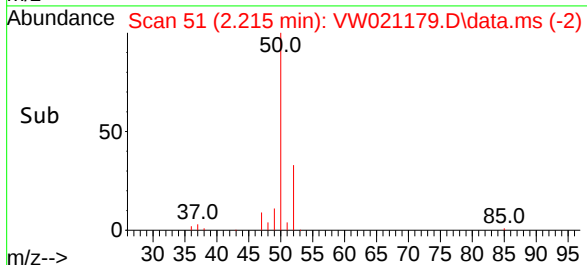
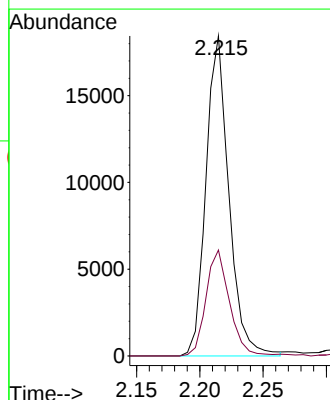
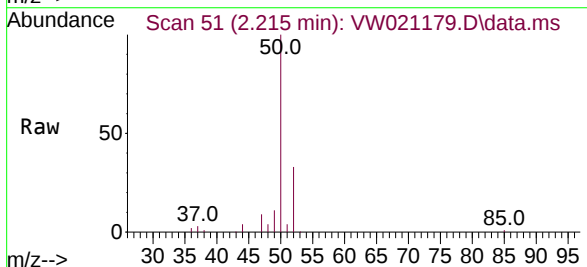
Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B3MSD

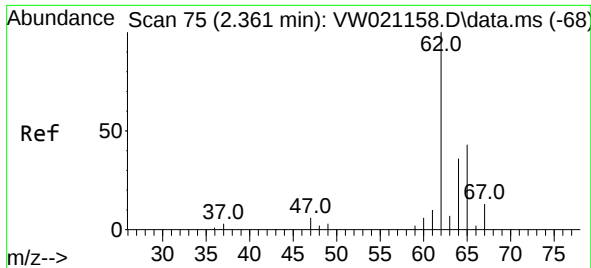
Tgt Ion: 85 Resp: 11378
 Ion Ratio Lower Upper
 85 100
 87 30.8 25.8 38.6



#3
 Chloromethane
 Concen: 22.882 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW021179.D
 Acq: 06 Dec 2021 19:12

Tgt Ion: 50 Resp: 23268
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.6

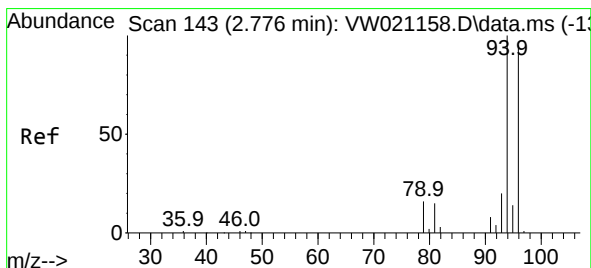
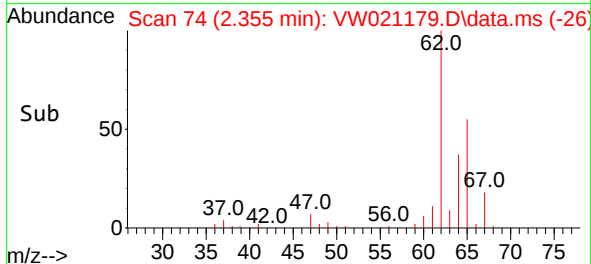
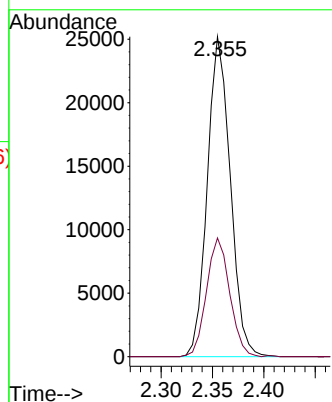
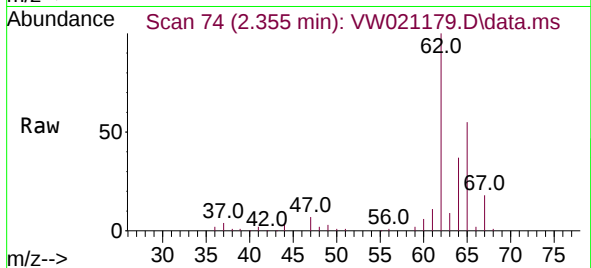




#5
 Vinyl chloride
 Concen: 22.185 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW021179.D
 Acq: 06 Dec 2021 19:12

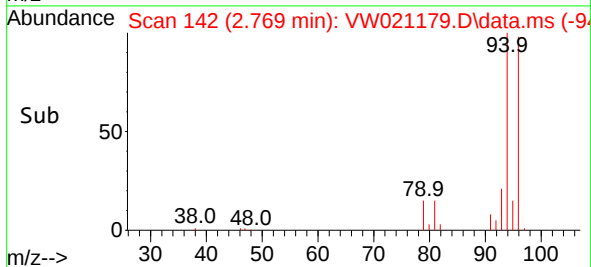
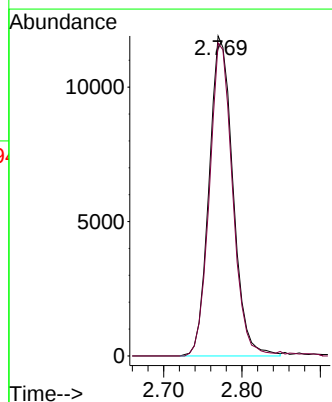
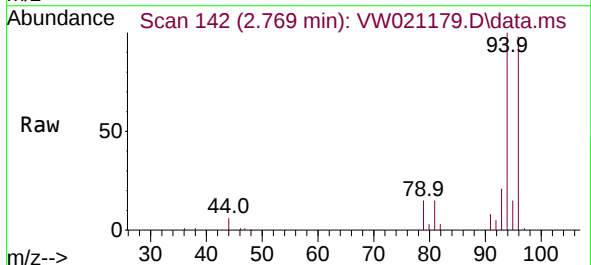
Instrument :
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 ClientSampleId :
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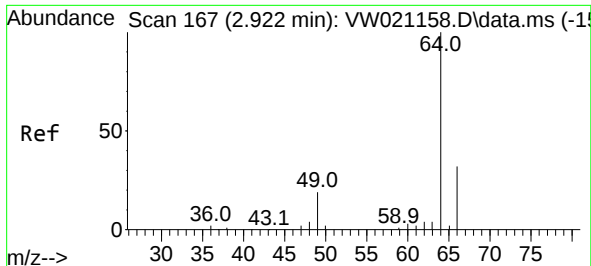
Tgt Ion: 62 Resp: 39191
 Ion Ratio Lower Upper
 62 100
 64 37.1 24.4 45.2



#6
 Bromomethane
 Concen: 21.461 ug/L
 RT: 2.769 min Scan# 142
 Delta R.T. -0.006 min
 Lab File: VW021179.D
 Acq: 06 Dec 2021 19:12

Tgt Ion: 94 Resp: 25208
 Ion Ratio Lower Upper
 94 100
 96 97.8 64.8 120.4

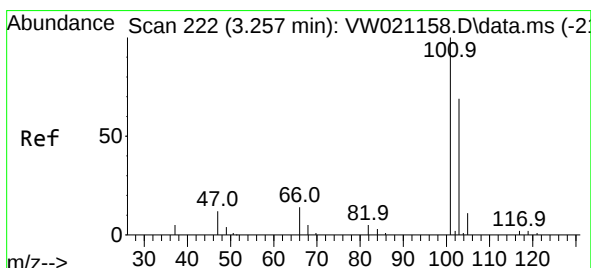
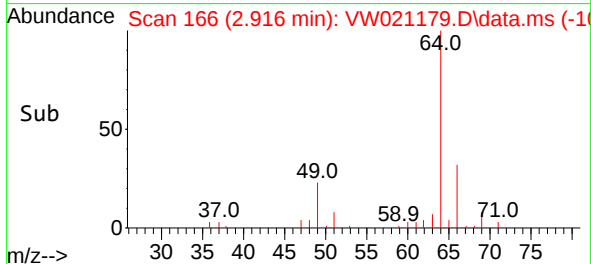
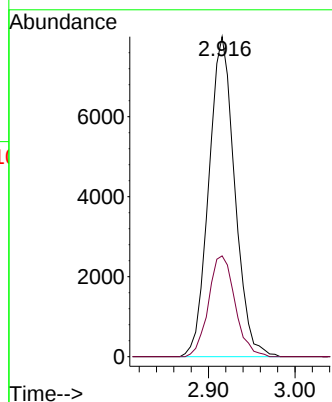
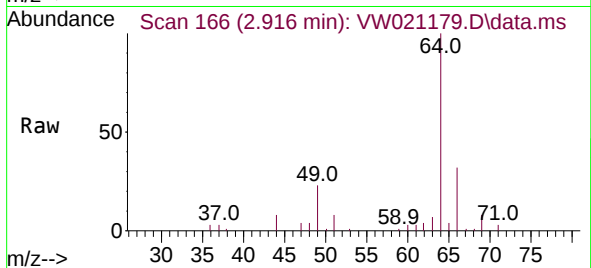




#8
Chloroethane
Concen: 22.617 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

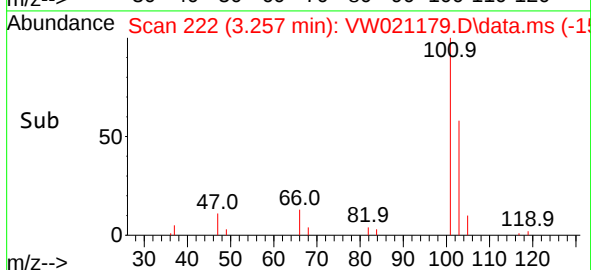
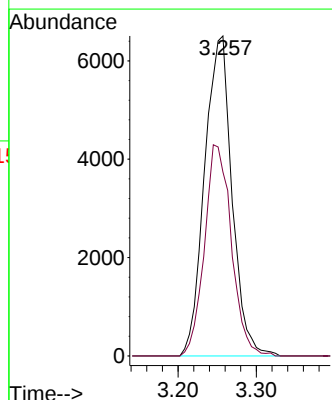
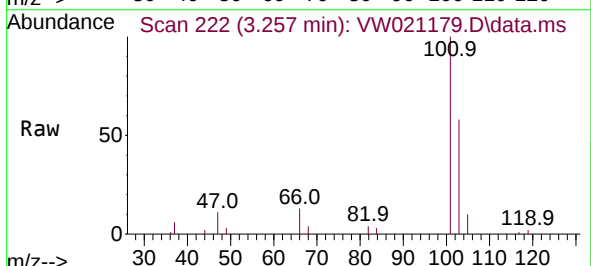
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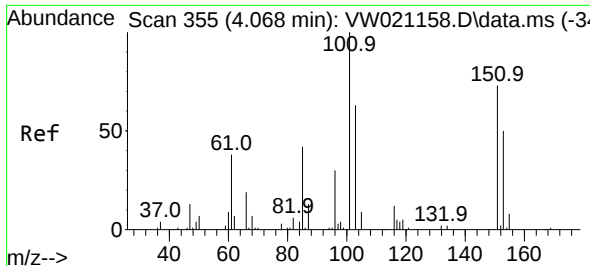
Tgt Ion: 64 Resp: 16651
Ion Ratio Lower Upper
64 100
66 31.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 18.544 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 101 Resp: 15818
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2

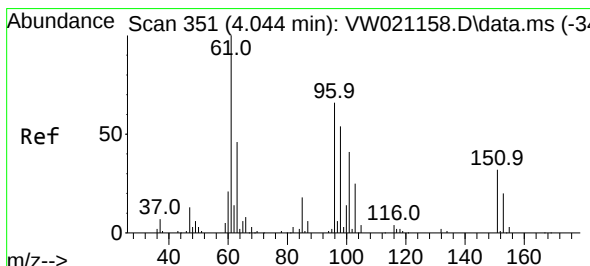
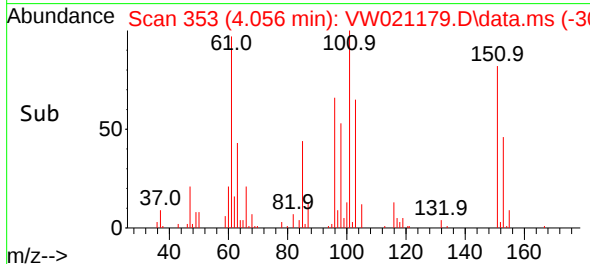
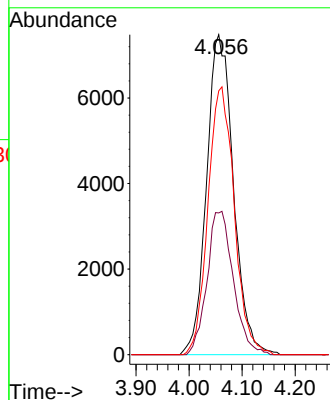
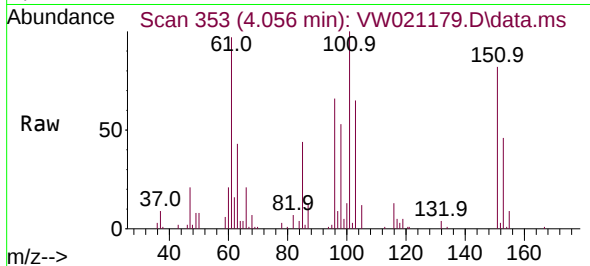




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.709 ug/L
 RT: 4.056 min Scan# 310
 Delta R.T. -0.012 min
 Lab File: VW021179.D
 Acq: 06 Dec 2021 19:12

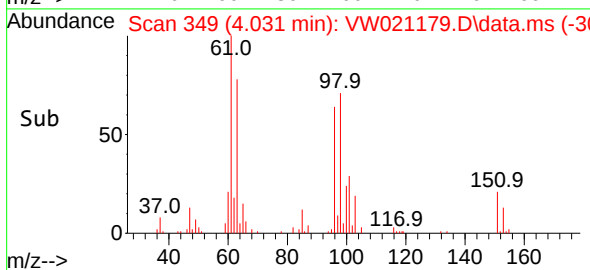
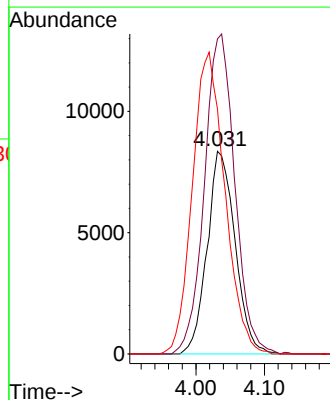
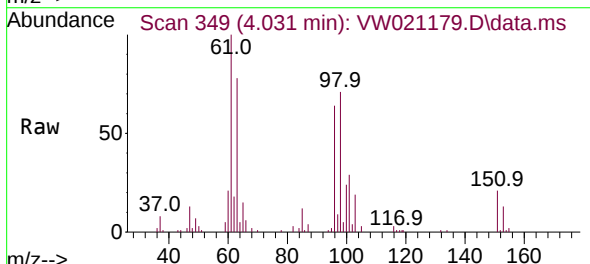
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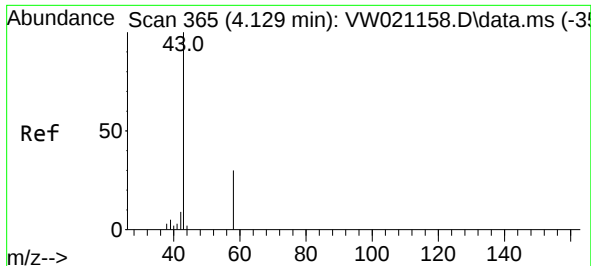
Tgt Ion:101 Resp: 26314
 Ion Ratio Lower Upper
 101 100
 85 43.9 36.6 54.8
 151 82.1 57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 19.629 ug/L
 RT: 4.031 min Scan# 349
 Delta R.T. -0.012 min
 Lab File: VW021179.D
 Acq: 06 Dec 2021 19:12

Tgt Ion: 96 Resp: 23693
 Ion Ratio Lower Upper
 96 100
 61 155.5 138.3 256.9
 63 120.8 82.6 153.4





#13

Acetone

Concen: 42.366 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

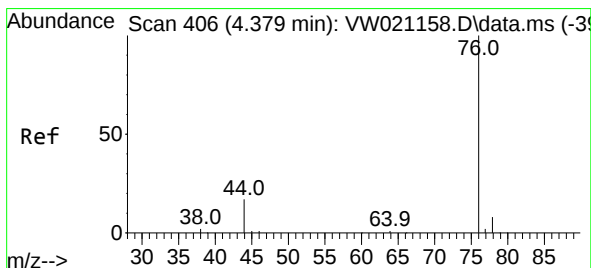
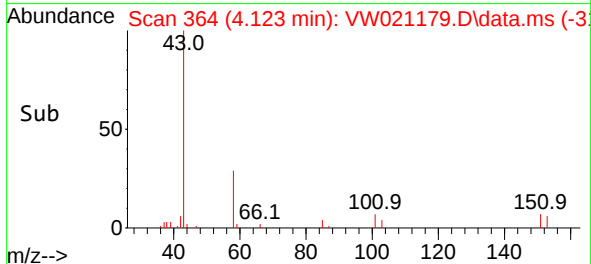
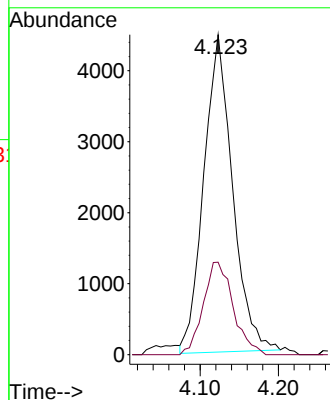
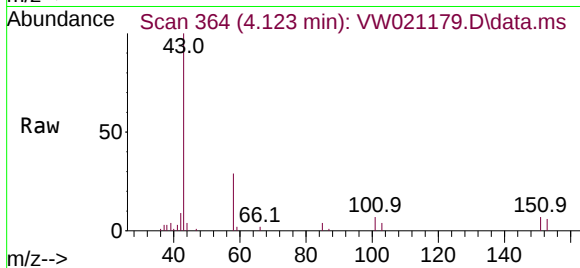
EX8B3MSD

Tgt Ion: 43 Resp: 11405

Ion Ratio Lower Upper

43 100

58 30.3 0.0 52.8



#14

Carbon disulfide

Concen: 18.156 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.006 min

Lab File: VW021179.D

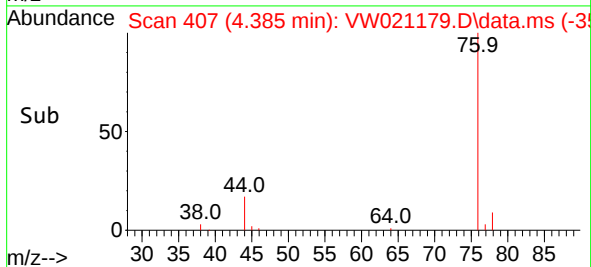
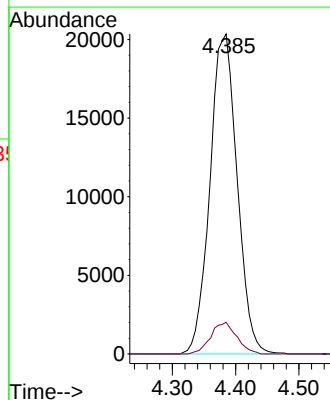
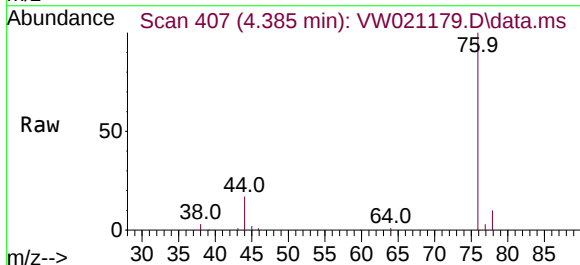
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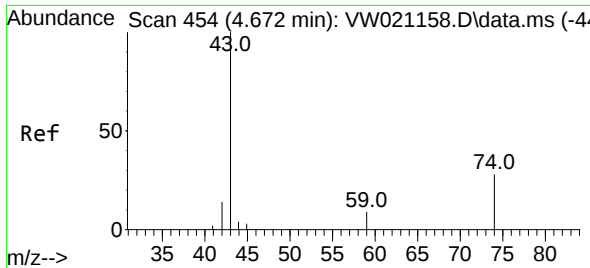
Tgt Ion: 76 Resp: 60829

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7

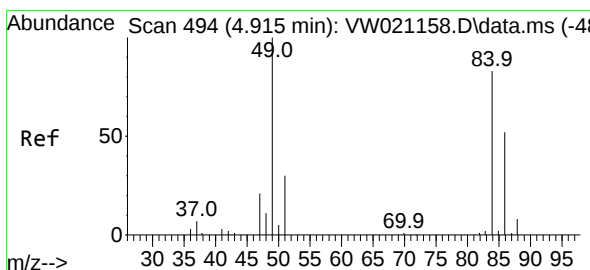
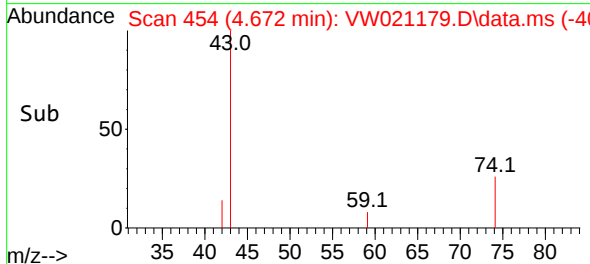
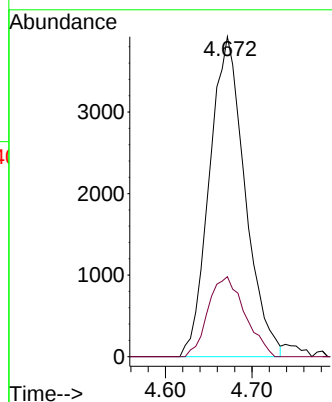
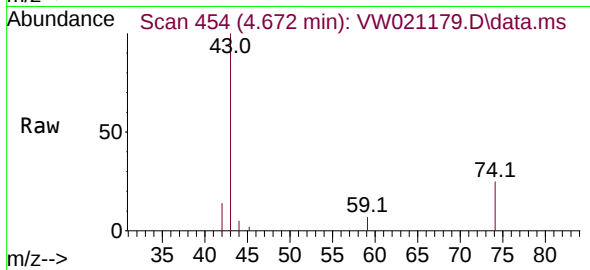




#15
Methyl Acetate
Concen: 22.892 ug/L
RT: 4.672 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

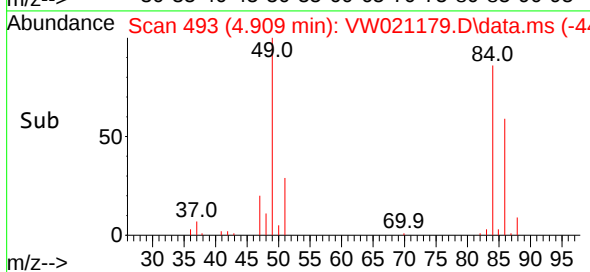
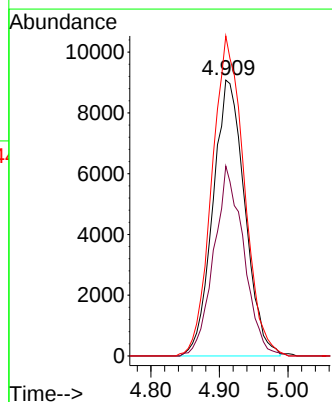
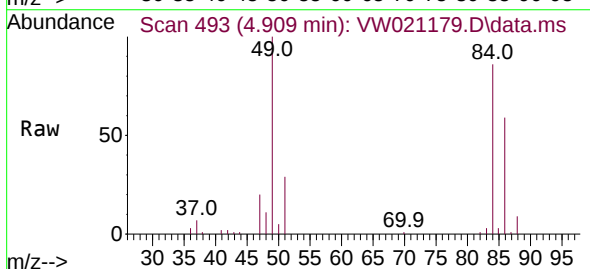
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

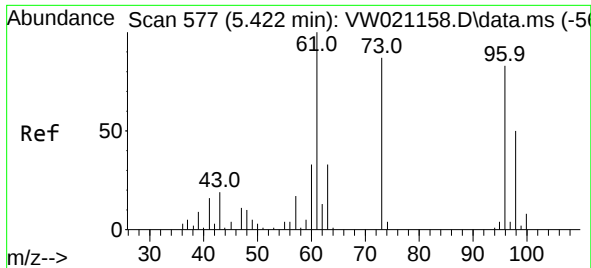
Tgt Ion: 43 Resp: 11174
Ion Ratio Lower Upper
43 100
74 25.8 16.4 24.6#



#16
Methylene chloride
Concen: 20.030 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 84 Resp: 29346
Ion Ratio Lower Upper
84 100
86 68.9 45.5 84.5
49 116.0 100.5 186.7



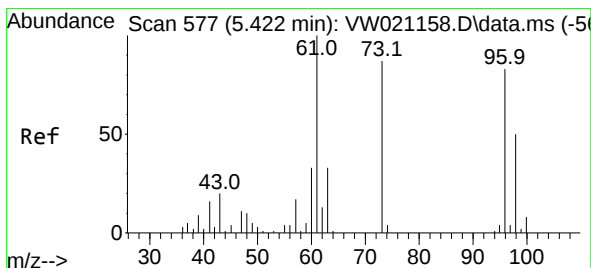
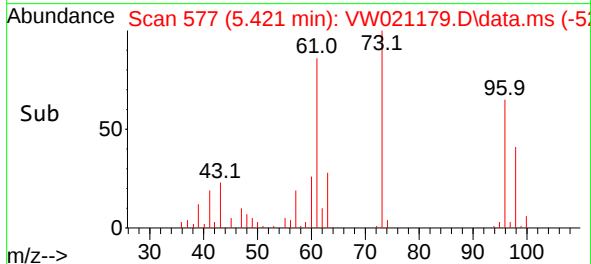
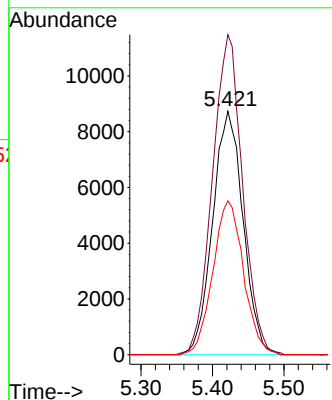
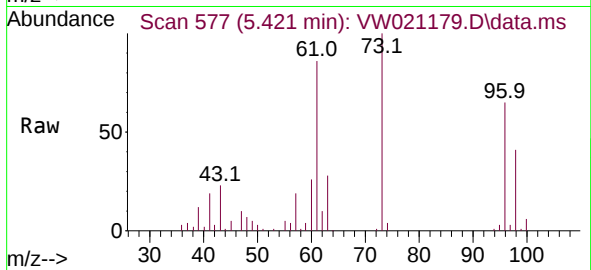


#17
trans-1,2-Dichloroethene
Concen: 20.058 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

Tgt Ion: 96 Resp: 25778

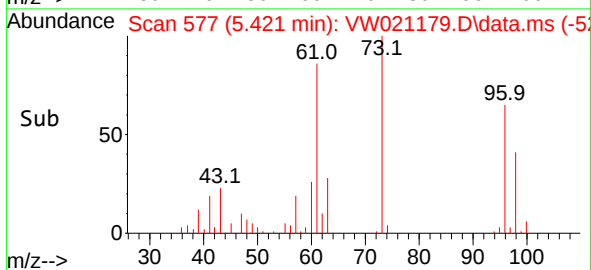
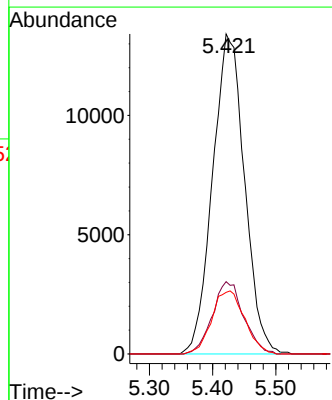
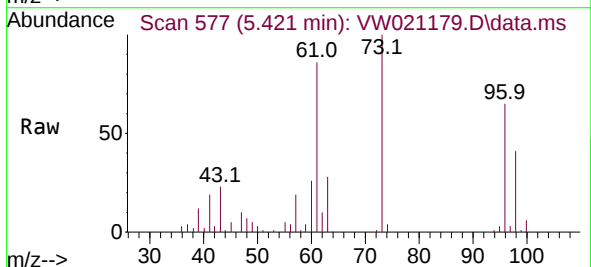
Ion	Ratio	Lower	Upper
96	100		
61	131.5	107.4	199.4
98	63.2	41.2	76.6

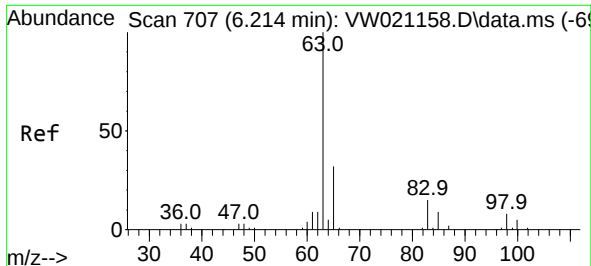


#18
Methyl tert-butyl Ether
Concen: 24.178 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 73 Resp: 46899

Ion	Ratio	Lower	Upper
73	100		
43	22.0	19.5	29.3
57	20.4	19.3	28.9





#19

1,1-Dichloroethane

Concen: 21.306 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

EX8B3MSD

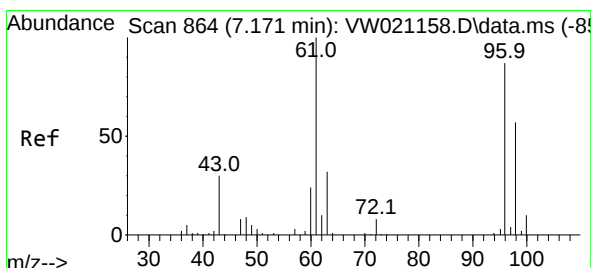
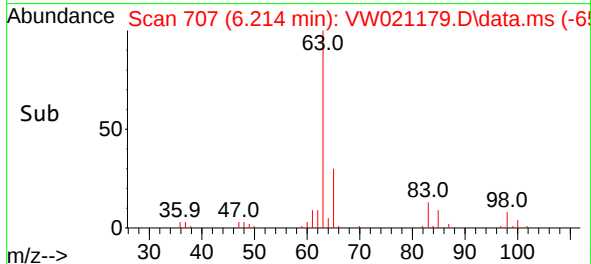
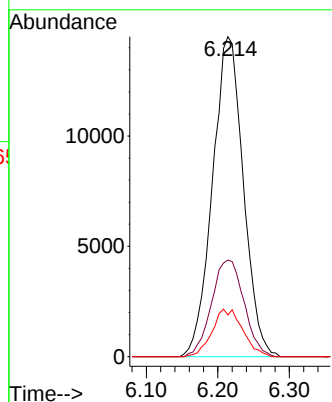
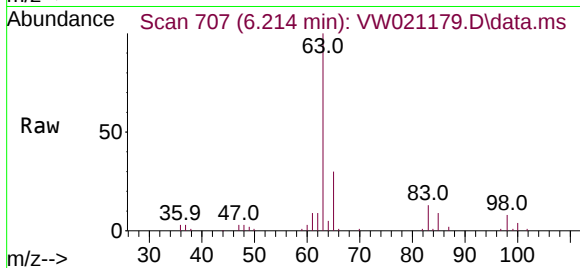
Tgt Ion: 63 Resp: 43419

Ion Ratio Lower Upper

63 100

65 30.2 22.1 41.1

83 13.1 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 21.093 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

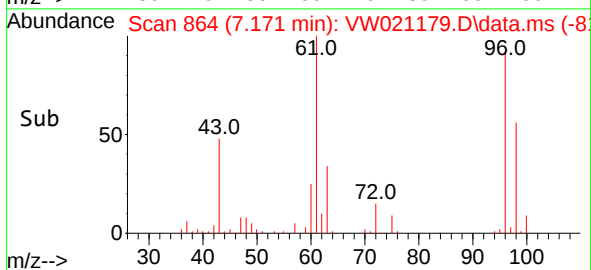
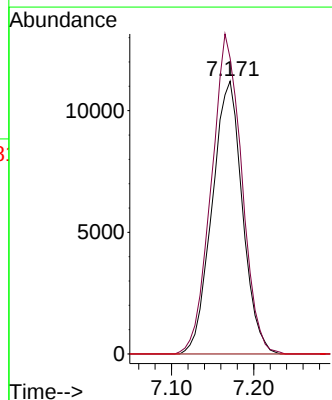
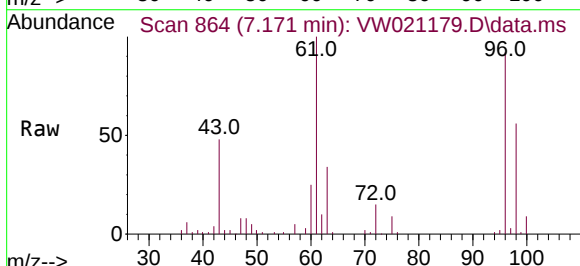
Tgt Ion: 96 Resp: 28760

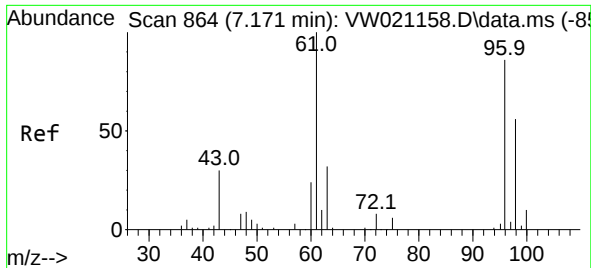
Ion Ratio Lower Upper

96 100

61 108.5 103.7 192.7

68 0.0 0.0 0.0

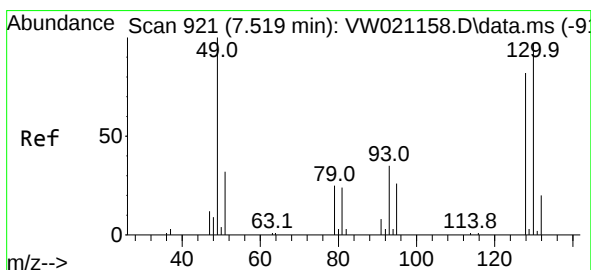
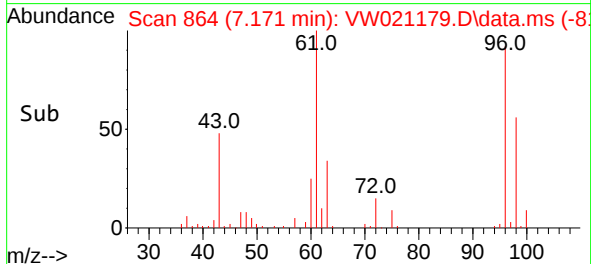
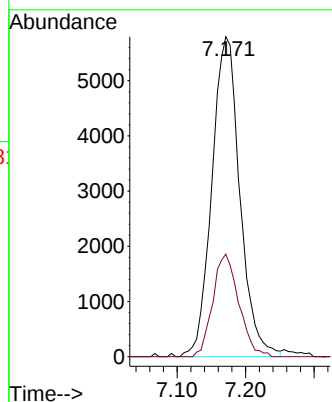
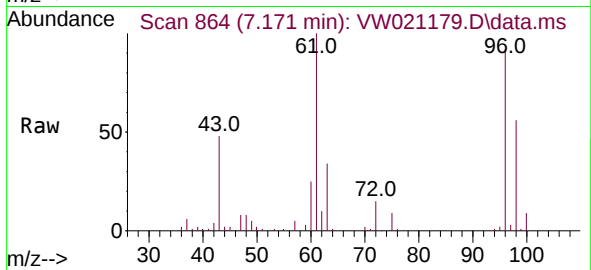




#22
2-Butanone
Concen: 44.111 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

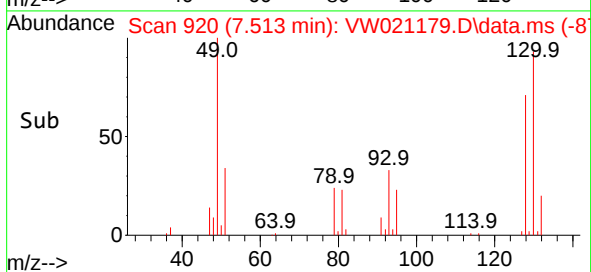
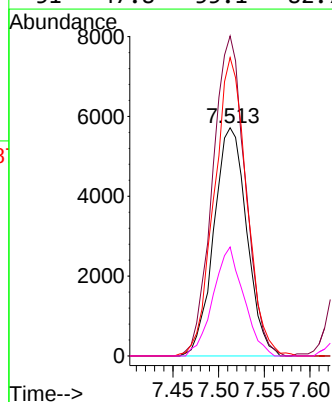
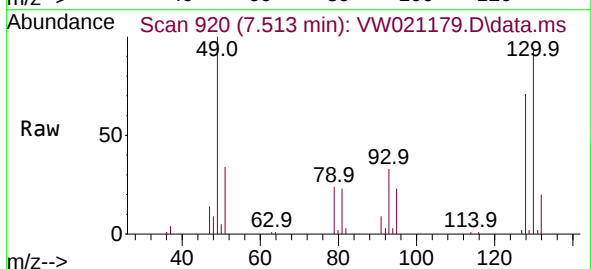
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

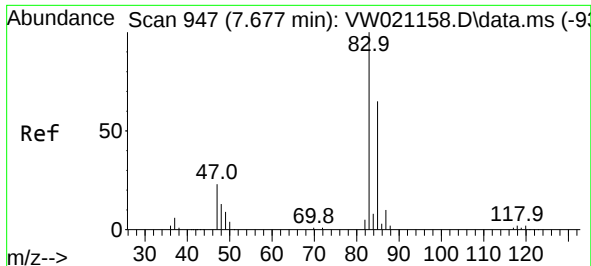
Tgt Ion: 43 Resp: 16433
Ion Ratio Lower Upper
43 100
72 29.7 11.8 35.4



#23
Bromochloromethane
Concen: 22.425 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 128 Resp: 14306
Ion Ratio Lower Upper
128 100
49 140.3 150.3 279.1#
130 130.8 88.3 163.9
51 47.8 55.1 82.7#

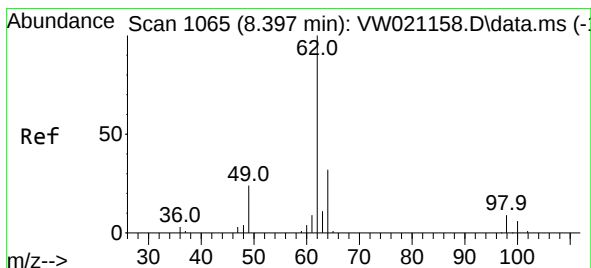
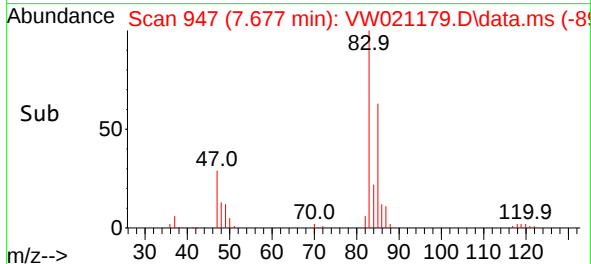
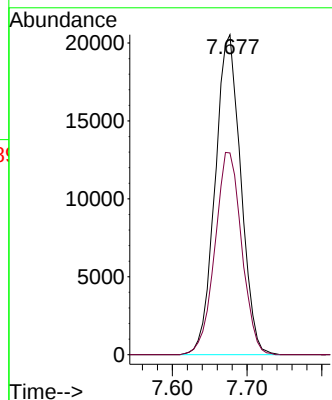
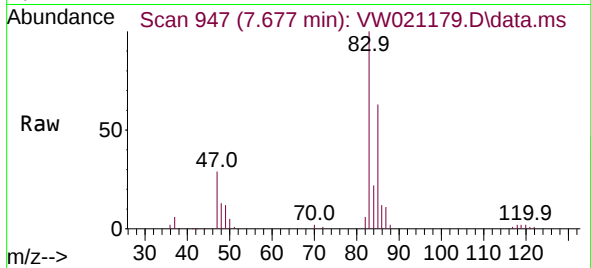




#25
Chloroform
Concen: 21.449 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

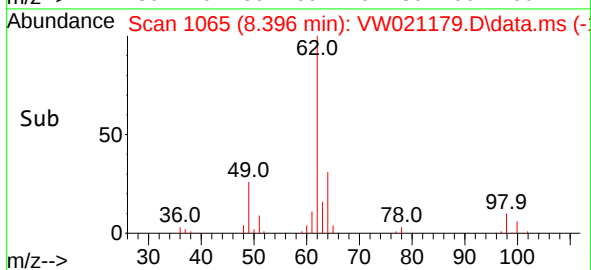
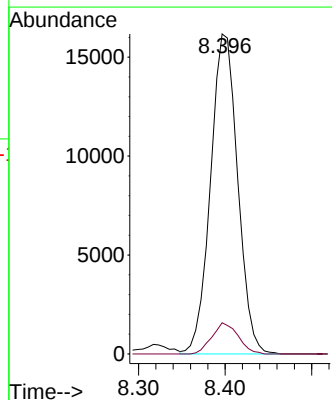
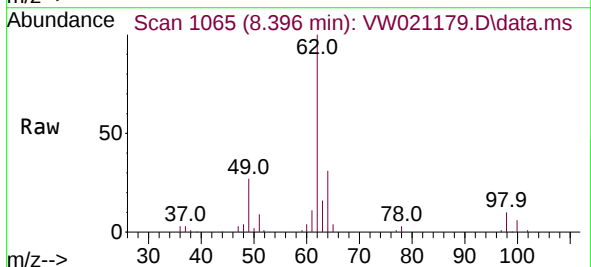
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

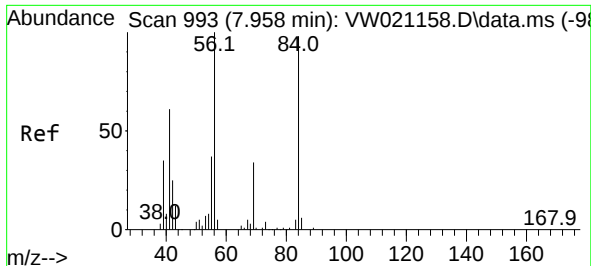
Tgt Ion: 83 Resp: 49067
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.7



#27
1,2-Dichloroethane
Concen: 23.583 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

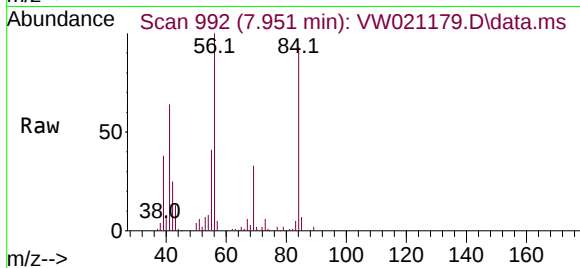
Tgt Ion: 62 Resp: 35290
Ion Ratio Lower Upper
62 100
98 9.7 6.5 9.7#



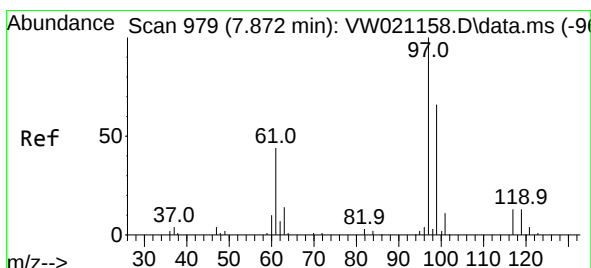
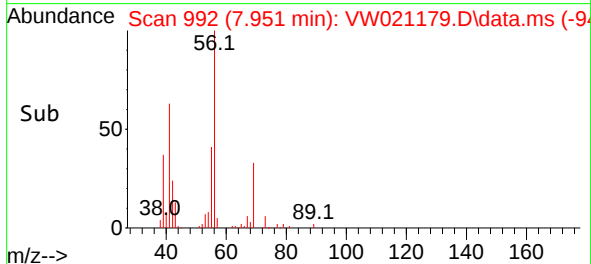
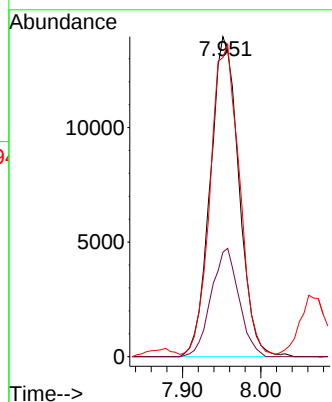


#29
Cyclohexane
Concen: 19.756 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

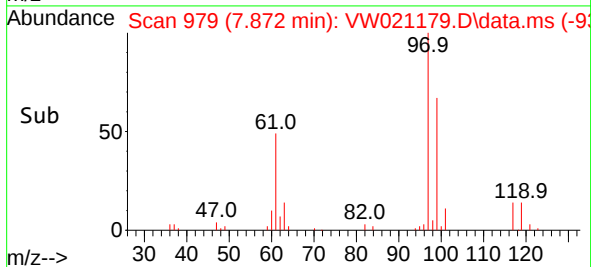
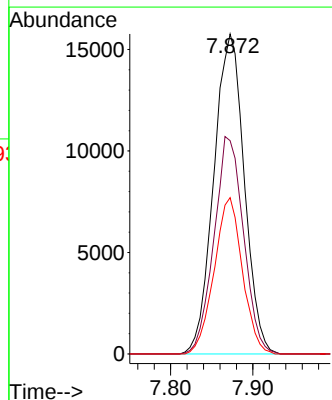
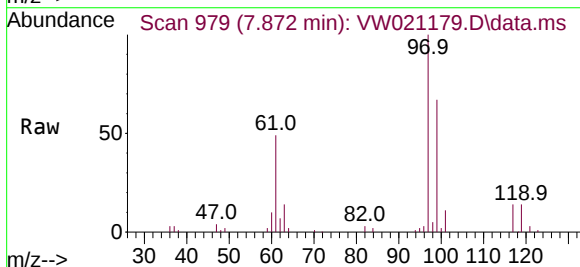


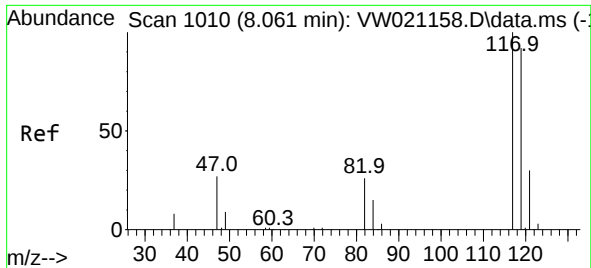
Tgt Ion: 56 Resp: 35545
Ion Ratio Lower Upper
56 100
69 32.7 23.5 35.3
84 99.6 63.4 95.2#



#30
1,1,1-Trichloroethane
Concen: 21.314 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 97 Resp: 40531
Ion Ratio Lower Upper
97 100
99 65.9 51.6 77.4
61 45.3 40.9 61.3

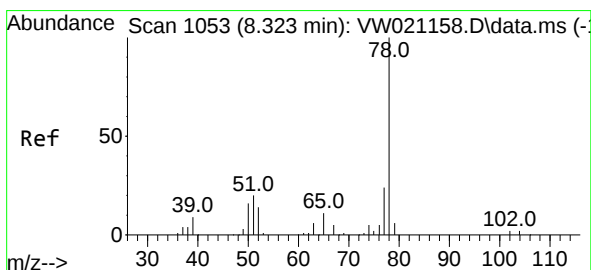
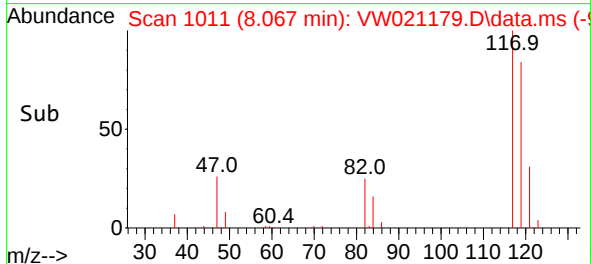
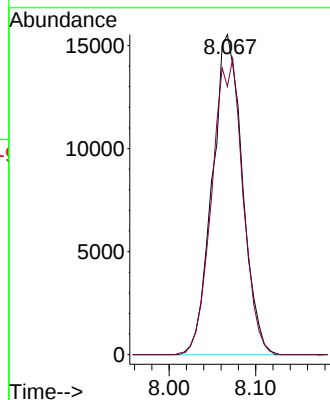
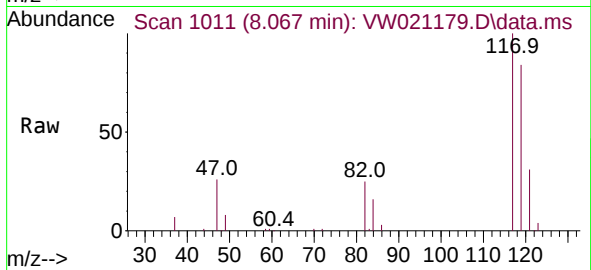




#31
Carbon tetrachloride
Concen: 21.168 ug/L
RT: 8.067 min Scan# 1010
Delta R.T. 0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

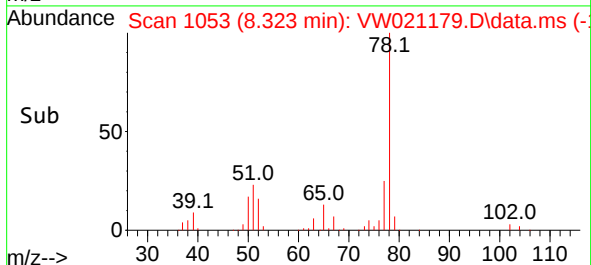
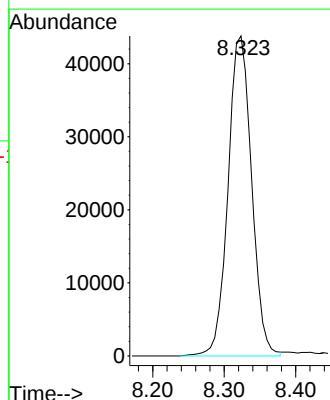
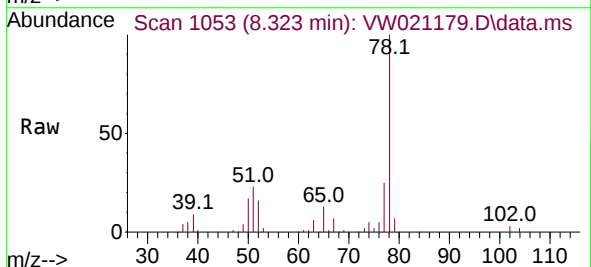
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

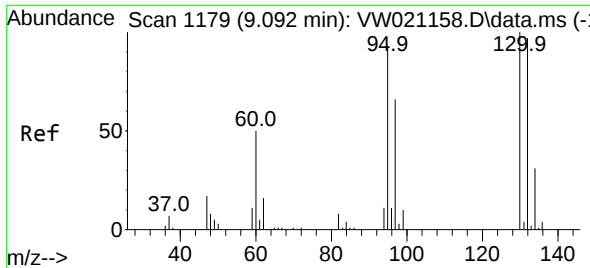
Tgt Ion:117 Resp: 37405
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5



#33
Benzene
Concen: 21.642 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 78 Resp: 100377



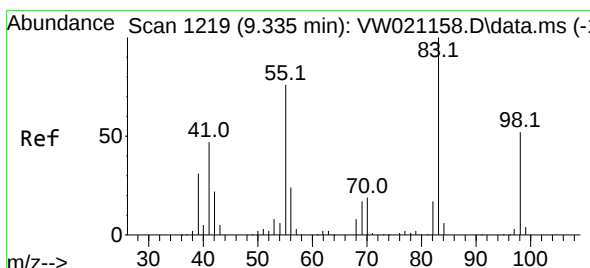
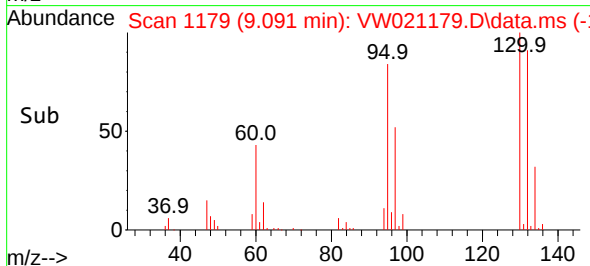
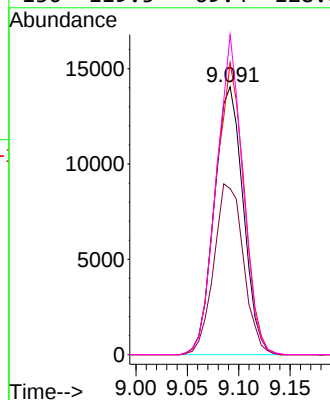
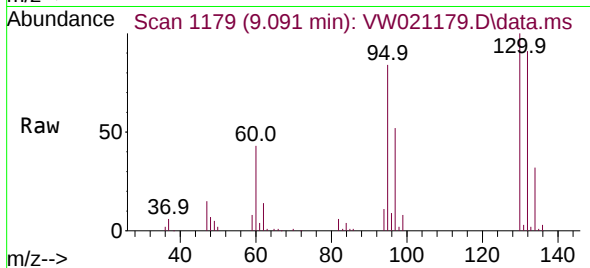


#34
Trichloroethene
Concen: 21.542 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

Tgt Ion: 95 Resp: 27564

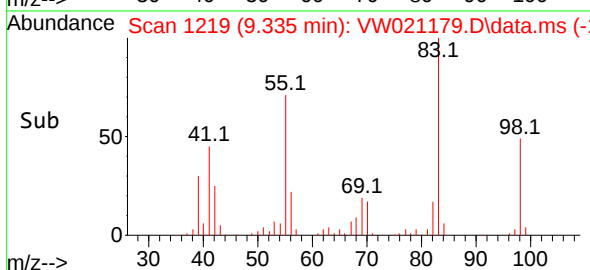
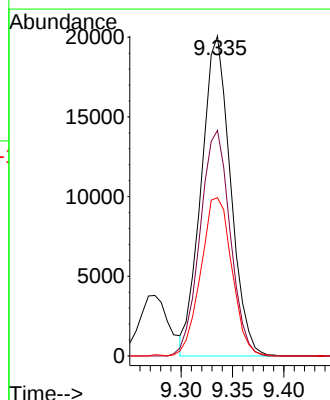
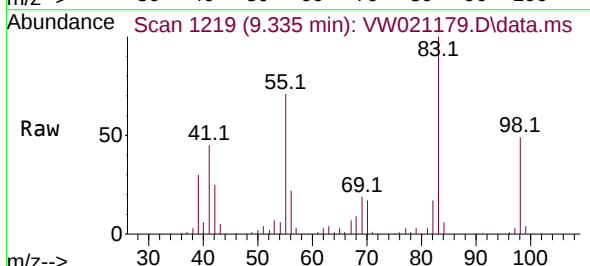
Ion	Ratio	Lower	Upper
95	100		
97	62.0	47.0	87.2
132	109.0	65.5	121.6
130	119.5	69.4	128.8

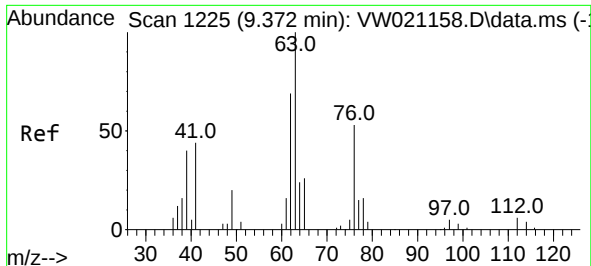


#35
Methylcyclohexane
Concen: 18.511 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 83 Resp: 39868

Ion	Ratio	Lower	Upper
83	100		
55	72.2	70.8	106.2
98	52.4	37.7	56.5





#37

1,2-Dichloropropane

Concen: 23.105 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

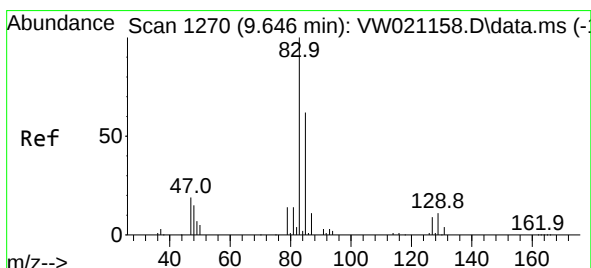
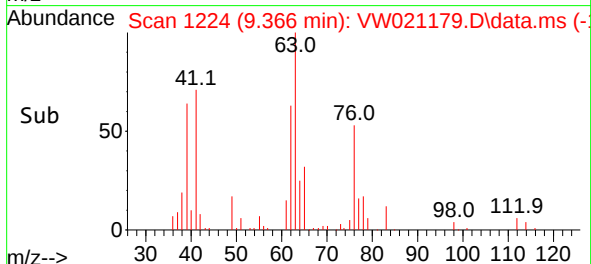
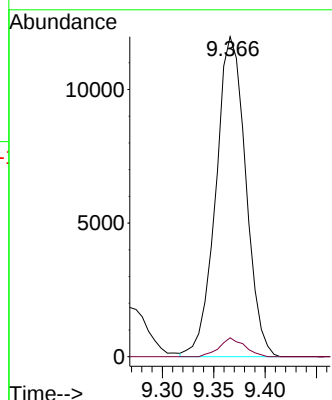
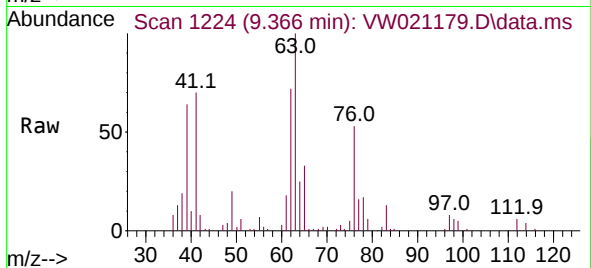
EX8B3MSD

Tgt Ion: 63 Resp: 24220

Ion Ratio Lower Upper

63 100

112 5.0 3.2 4.8#



#38

Bromodichloromethane

Concen: 23.410 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

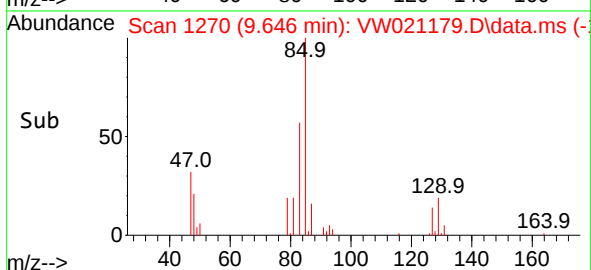
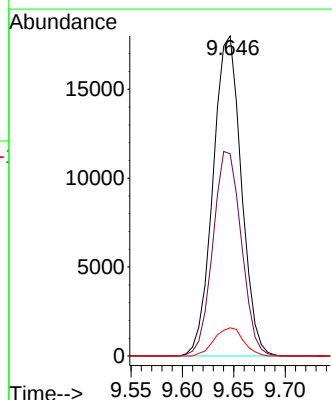
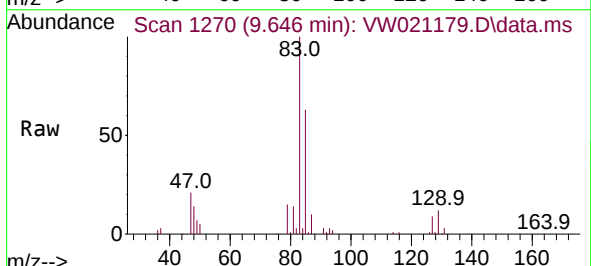
Tgt Ion: 83 Resp: 34496

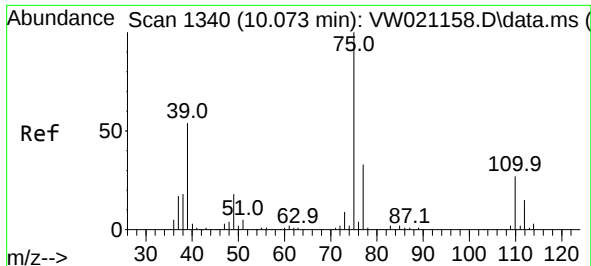
Ion Ratio Lower Upper

83 100

85 63.2 44.1 81.9

127 8.8 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 23.378 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

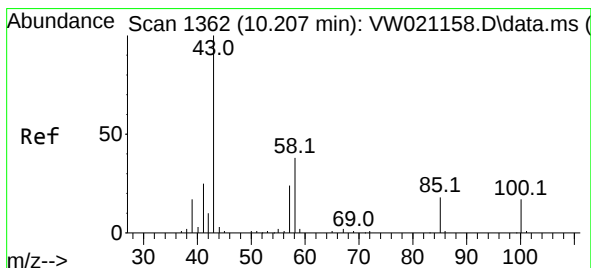
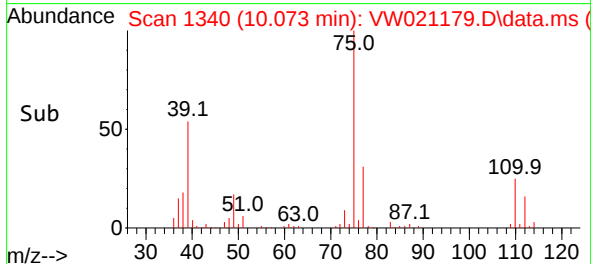
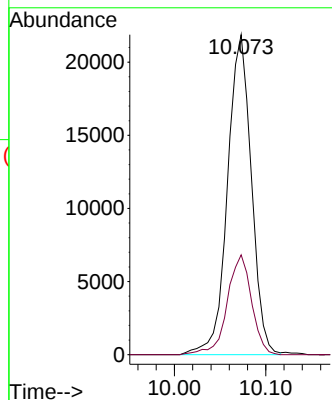
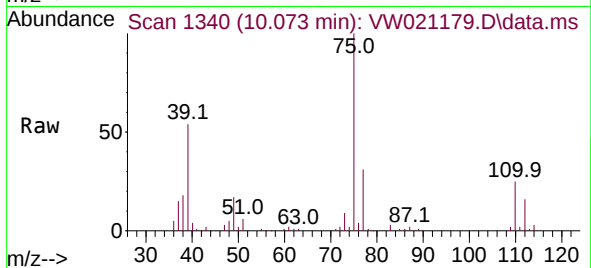
EX8B3MSD

Tgt Ion: 75 Resp: 39639

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 50.597 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

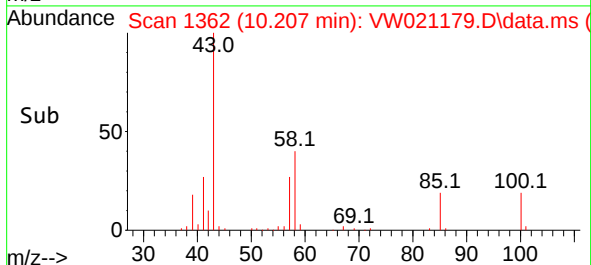
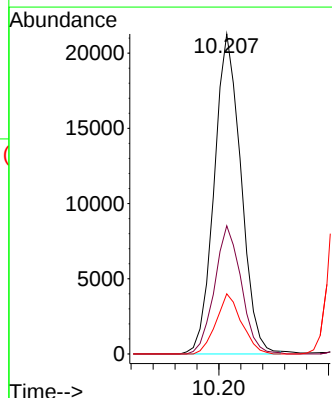
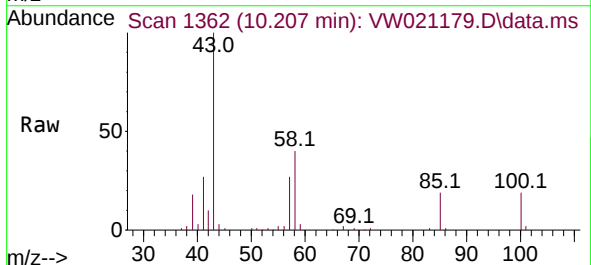
Tgt Ion: 43 Resp: 36132

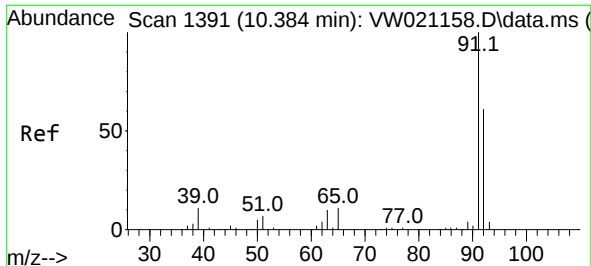
Ion Ratio Lower Upper

43 100

58 39.9 28.8 43.2

100 17.9 10.0 15.0#

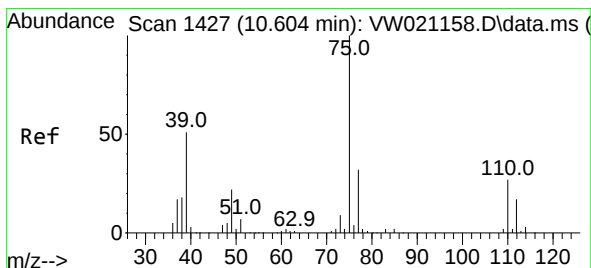
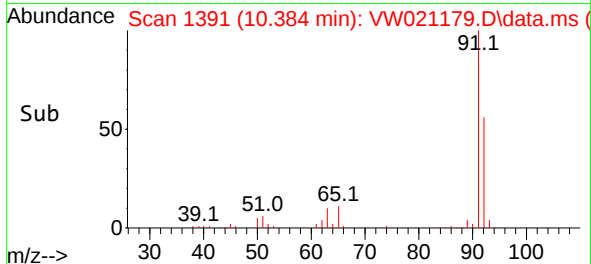
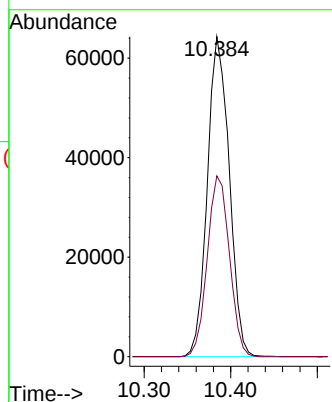
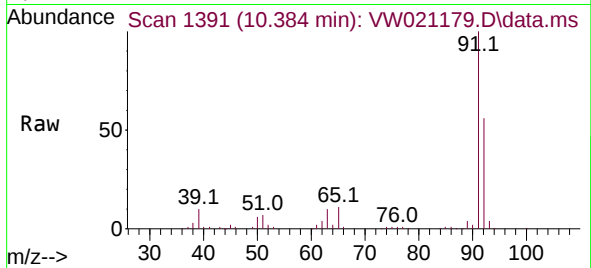




#42
Toluene
Concen: 21.323 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

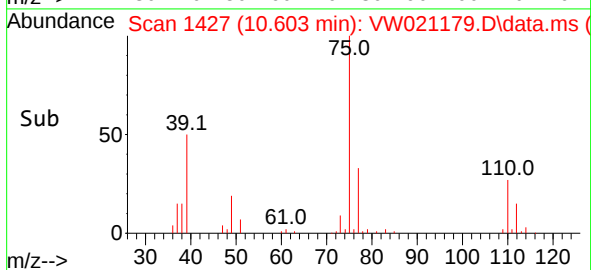
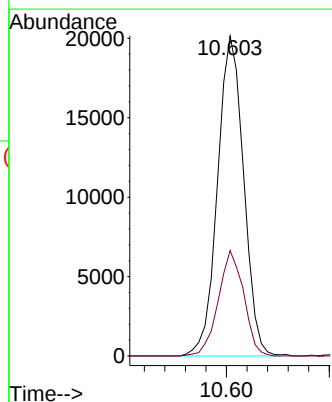
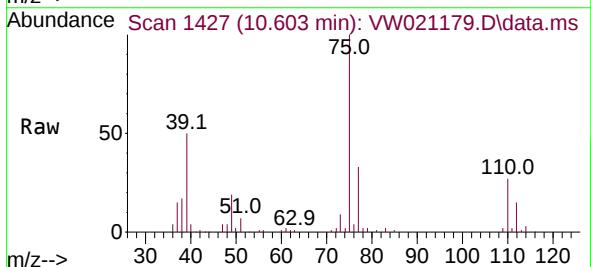
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

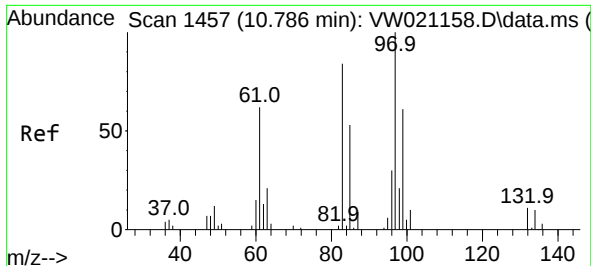
Tgt Ion: 91 Resp: 112955
Ion Ratio Lower Upper
91 100
92 56.5 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 23.160 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion: 75 Resp: 35529
Ion Ratio Lower Upper
75 100
77 33.0 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 24.894 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

EX8B3MSD

Tgt Ion: 97 Resp: 21878

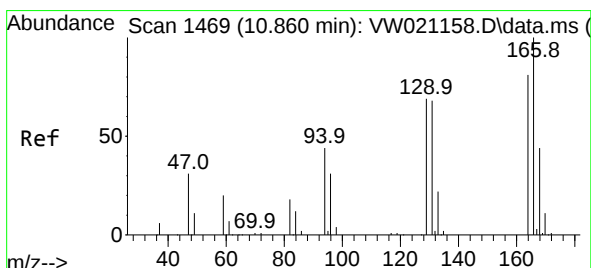
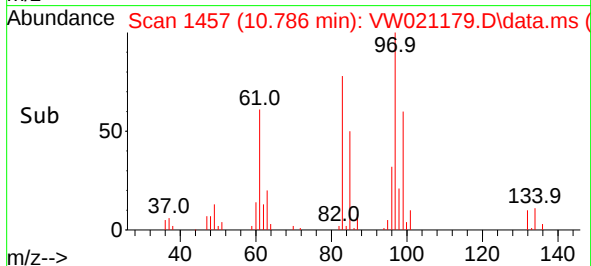
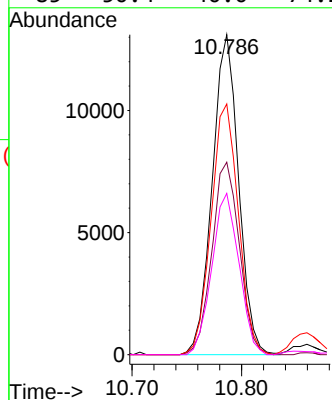
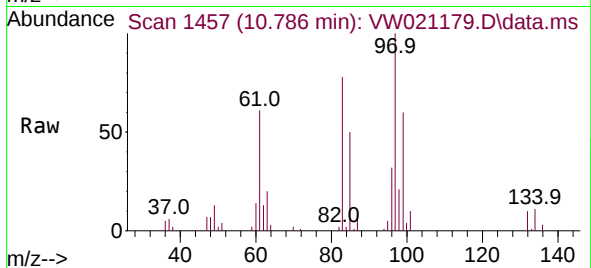
Ion Ratio Lower Upper

97 100

99 60.1 43.0 79.8

83 78.3 62.6 116.3

85 50.4 40.0 74.2



#46

Tetrachloroethene

Concen: 61.674 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Tgt Ion:164 Resp: 72261

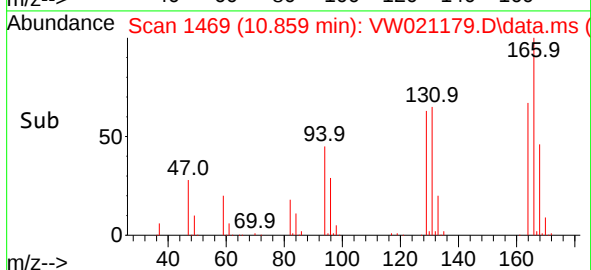
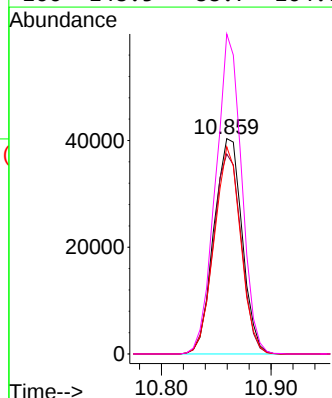
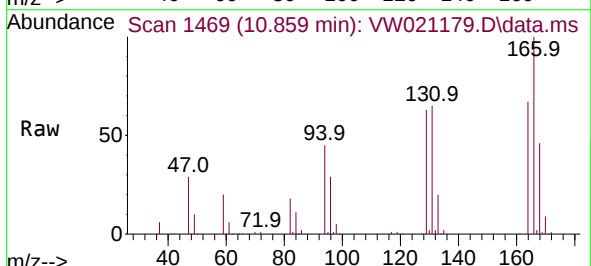
Ion Ratio Lower Upper

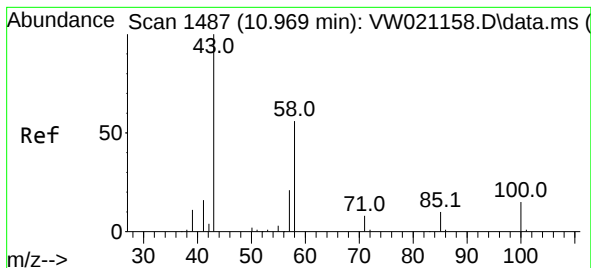
164 100

129 92.9 65.5 121.7

131 96.2 59.7 110.9

166 148.5 88.7 164.7





#48

2-Hexanone

Concen: 52.734 ug/L

RT: 10.969 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

EX8B3MSD

Tgt Ion: 43 Resp: 27166

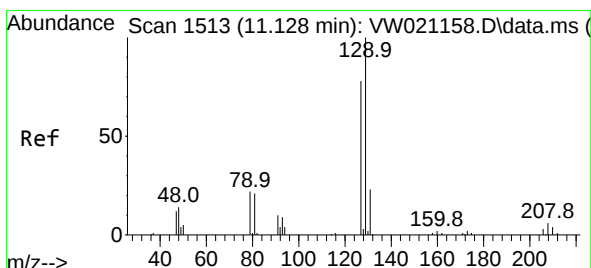
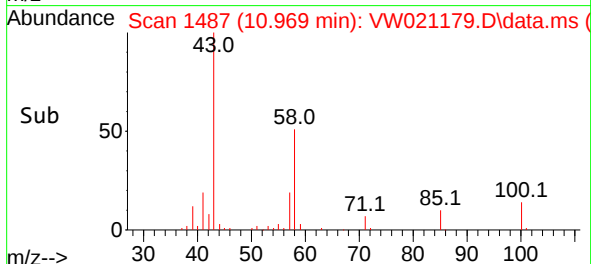
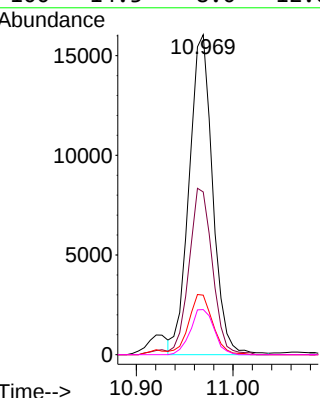
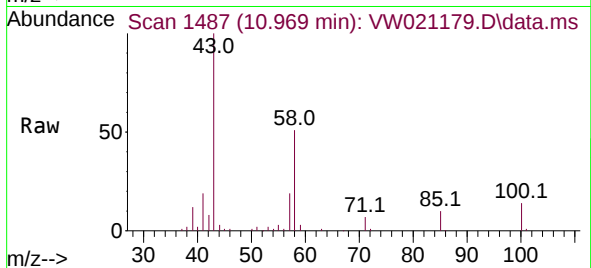
Ion Ratio Lower Upper

43 100

58 51.6 40.2 60.2

57 19.1 14.3 21.5

100 14.3 8.0 12.0#



#49

Dibromochloromethane

Concen: 23.785 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VW021179.D

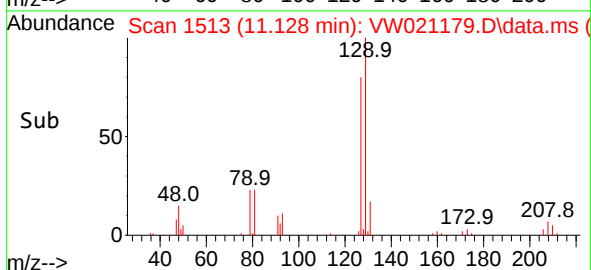
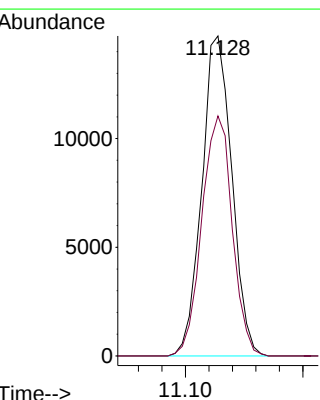
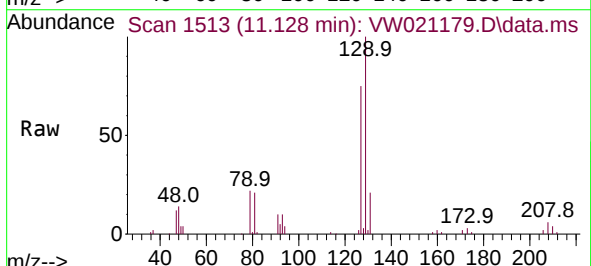
Acq: 06 Dec 2021 19:12

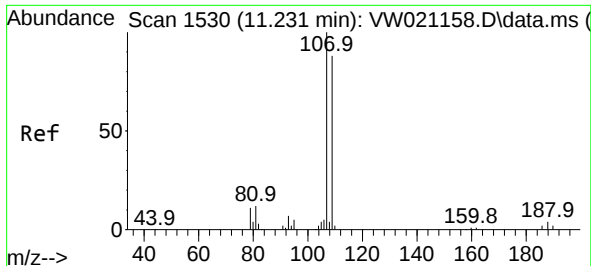
Tgt Ion:129 Resp: 26126

Ion Ratio Lower Upper

129 100

127 75.0 55.7 103.5

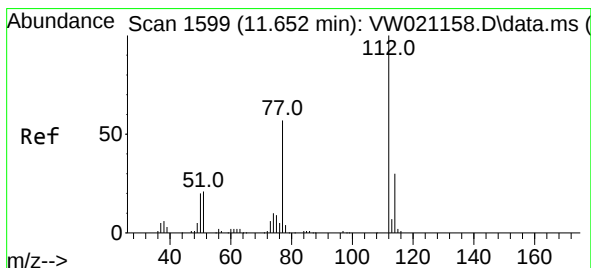
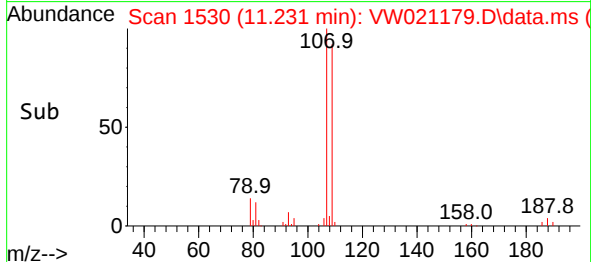
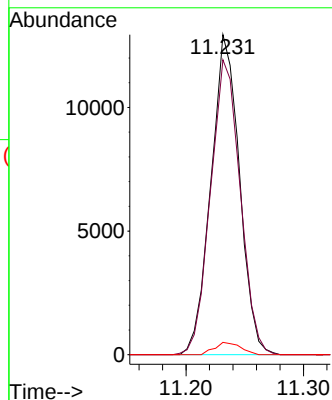
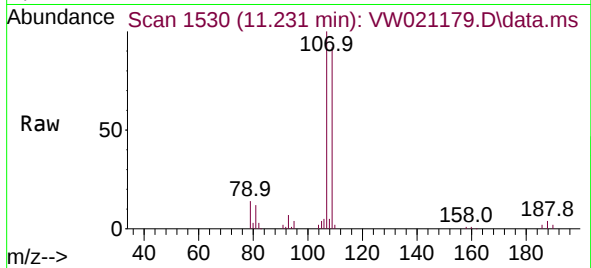




#50
1,2-Dibromoethane
Concen: 24.337 ug/L
RT: 11.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

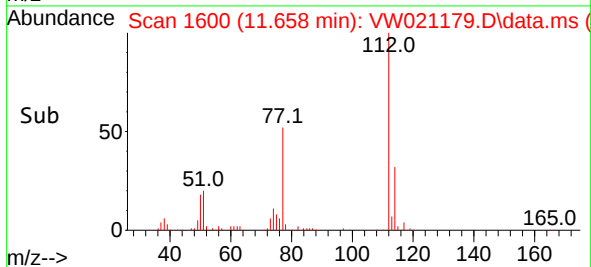
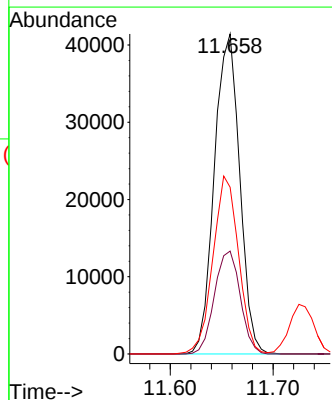
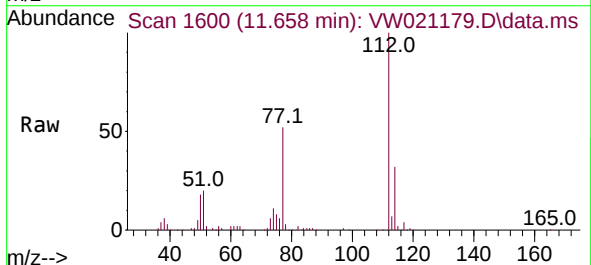
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

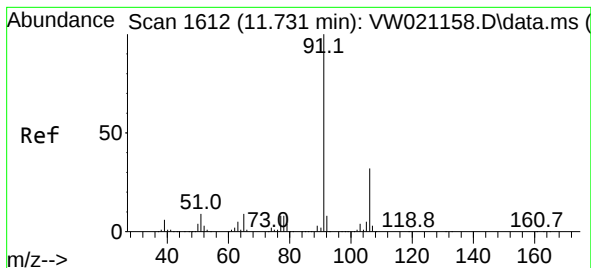
Tgt Ion:107 Resp: 21812
Ion Ratio Lower Upper
107 100
109 92.2 64.1 119.1
188 3.9 2.6 3.8#



#51
Chlorobenzene
Concen: 20.007 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion:112 Resp: 70820
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 52.1 50.2 75.4

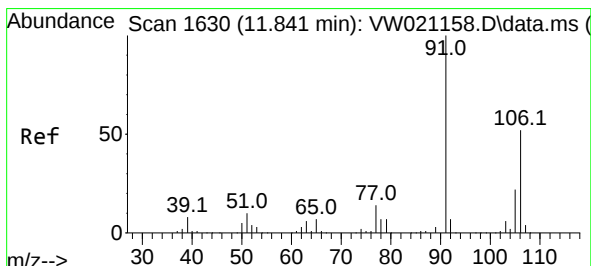
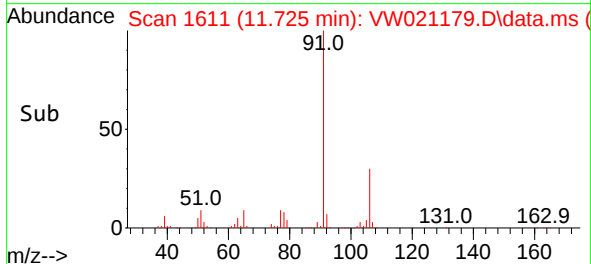
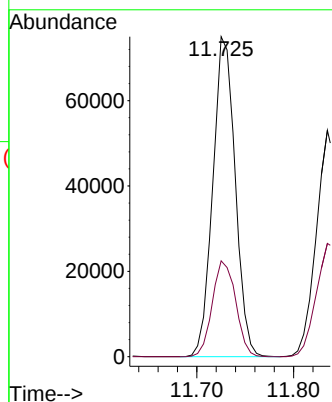
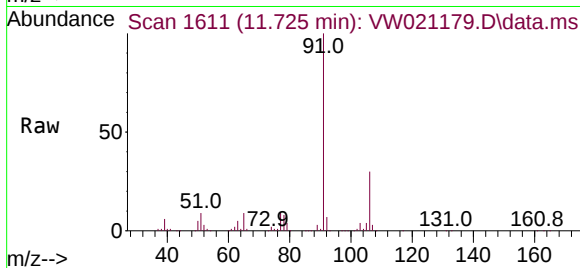




#52
Ethylbenzene
Concen: 20.203 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

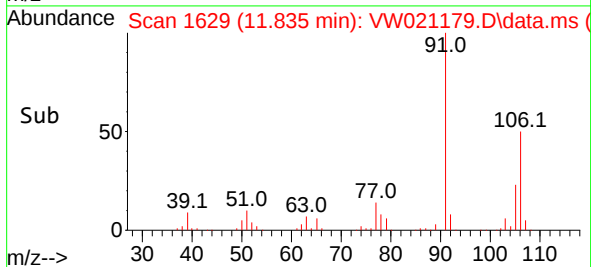
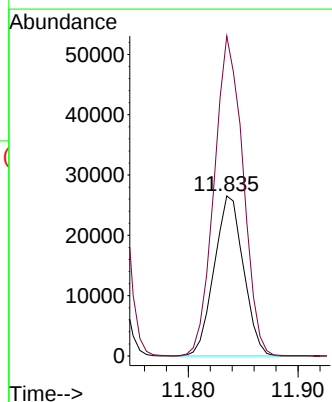
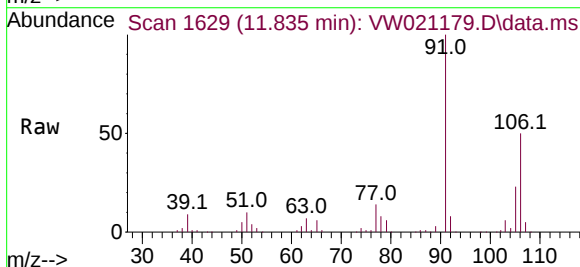
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

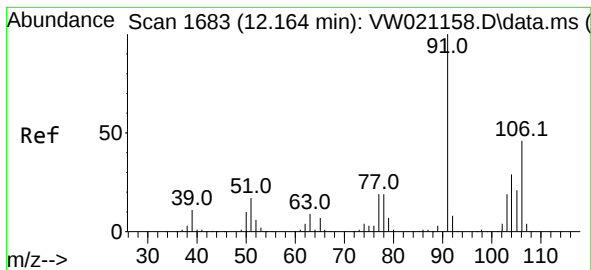
Tgt Ion: 91 Resp: 120484
Ion Ratio Lower Upper
91 100
106 30.0 21.5 39.9



#53
m,p-Xylene
Concen: 19.977 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion:106 Resp: 49286
Ion Ratio Lower Upper
106 100
91 200.0 149.9 278.3





#54

o-Xylene

Concen: 21.047 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

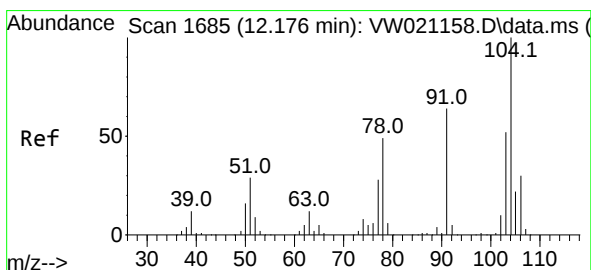
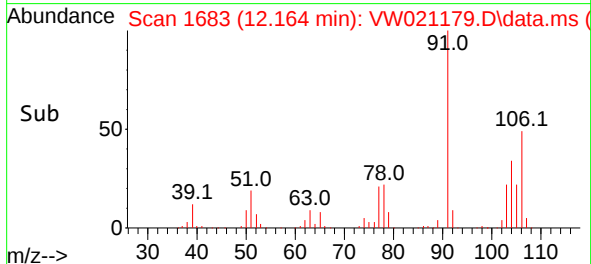
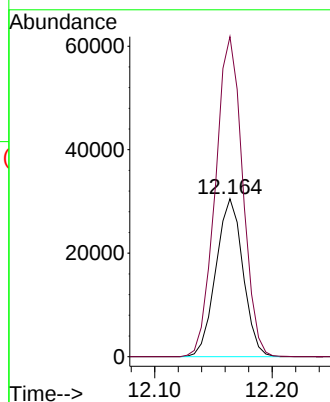
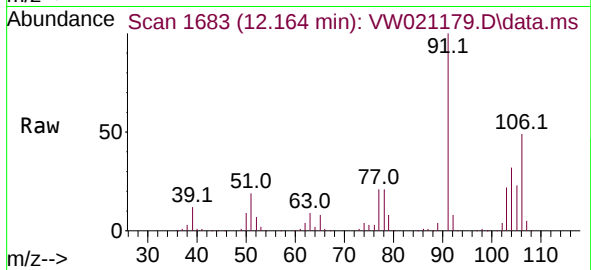
EX8B3MSD

Tgt Ion:106 Resp: 48955

Ion Ratio Lower Upper

106 100

91 202.6 153.6 285.3



#55

Styrene

Concen: 19.633 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW021179.D

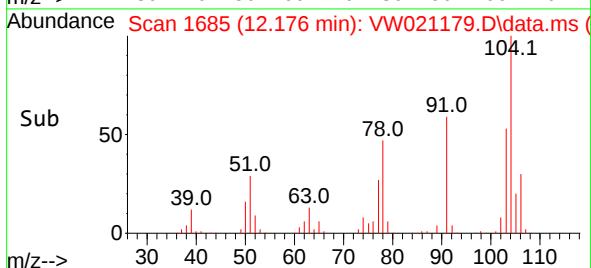
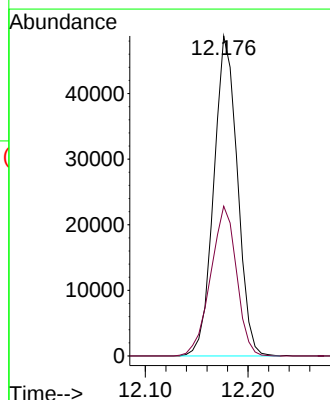
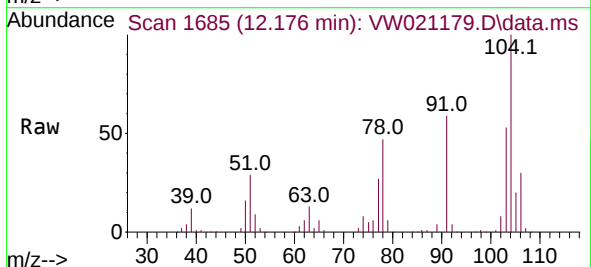
Acq: 06 Dec 2021 19:12

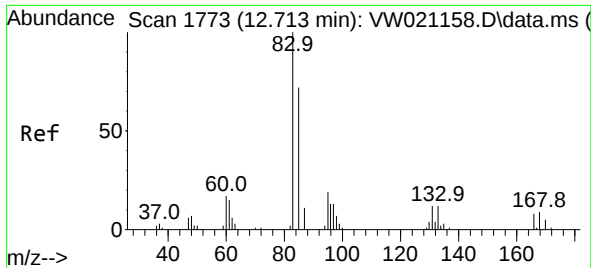
Tgt Ion:104 Resp: 77808

Ion Ratio Lower Upper

104 100

78 46.8 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 24.216 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

EX8B3MSD

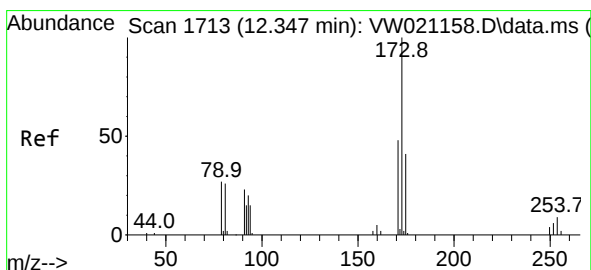
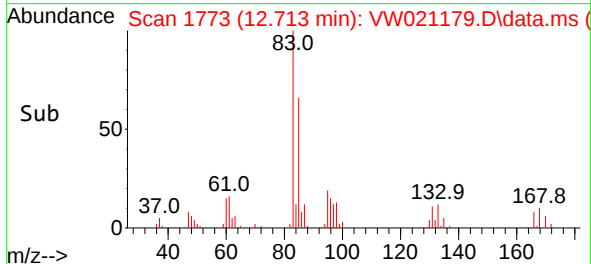
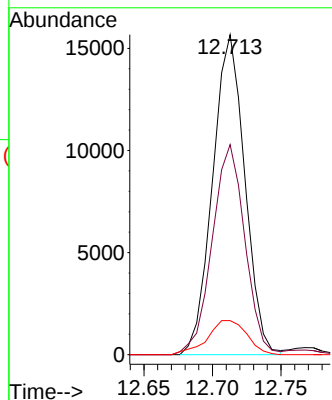
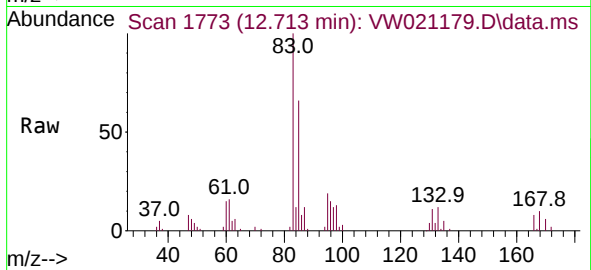
Tgt Ion: 83 Resp: 25598

Ion Ratio Lower Upper

83 100

85 65.7 44.0 81.6

131 10.7 6.9 10.3#



#59

Bromoform

Concen: 24.544 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

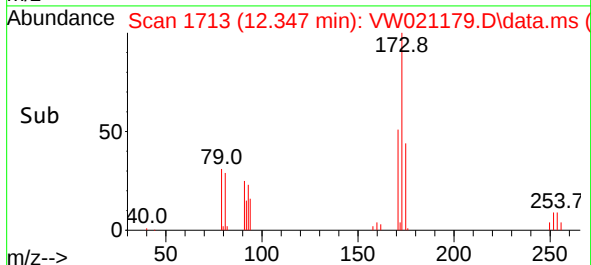
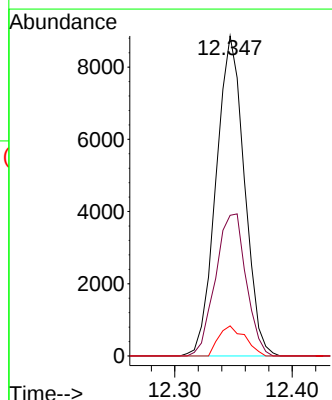
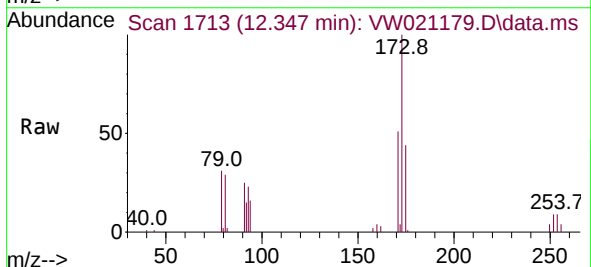
Tgt Ion:173 Resp: 14836

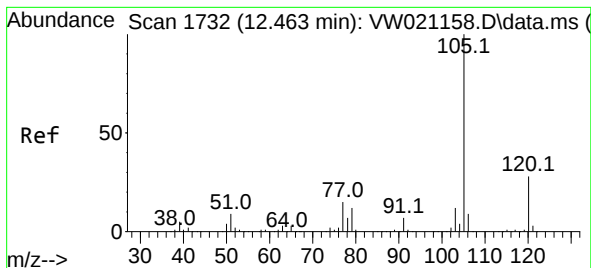
Ion Ratio Lower Upper

173 100

175 48.0 39.6 59.4

254 8.8 7.4 11.0





#60

Isopropylbenzene

Concen: 21.673 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

EX8B3MSD

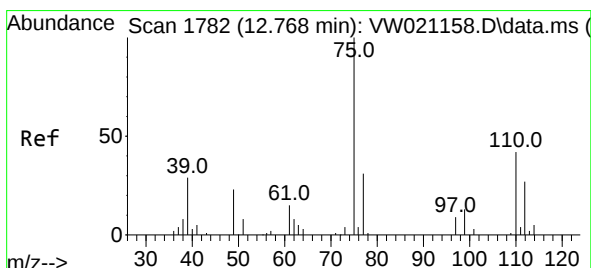
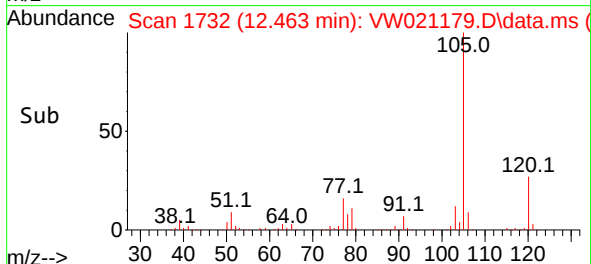
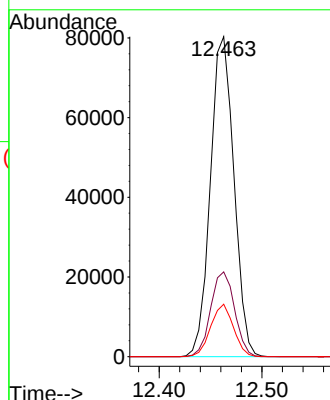
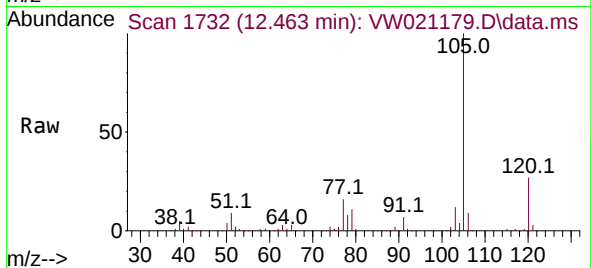
Tgt Ion:105 Resp: 127669

Ion Ratio Lower Upper

105 100

120 26.9 20.1 30.1

77 15.9 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 27.112 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

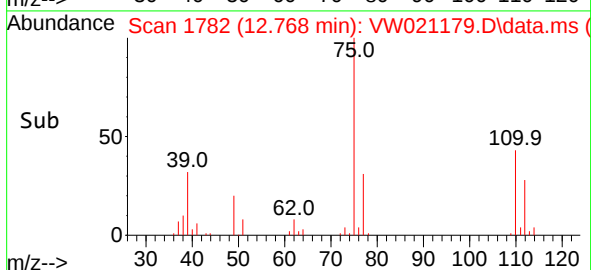
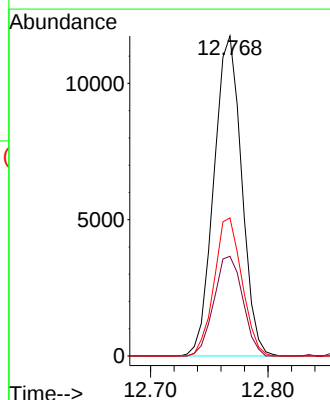
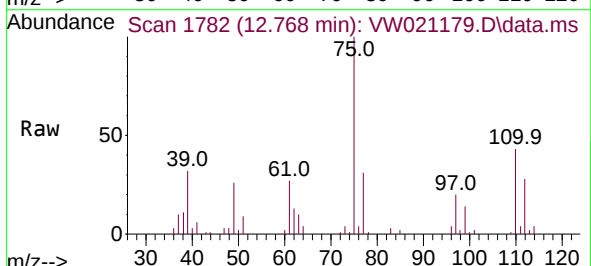
Tgt Ion: 75 Resp: 19250

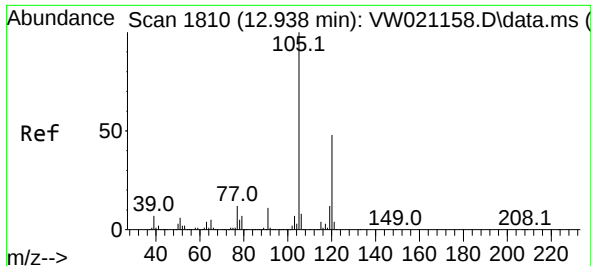
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

110 43.2 29.0 43.4





#62

1,3,5-Trimethylbenzene

Concen: 21.248 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

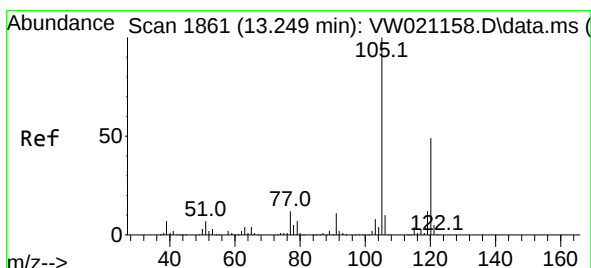
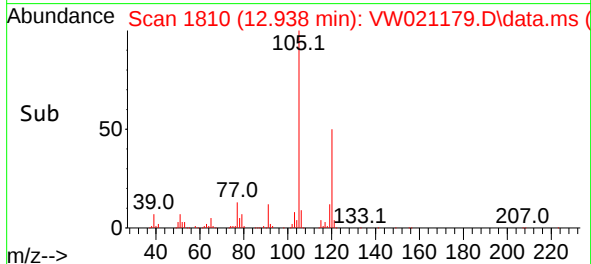
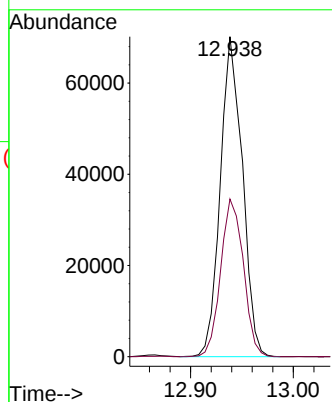
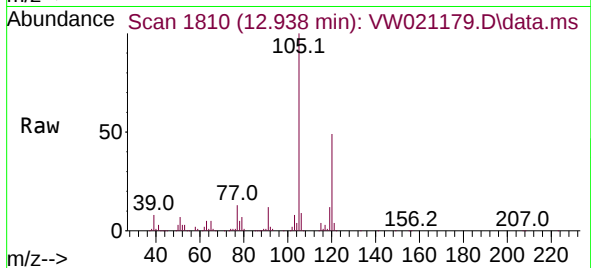
EX8B3MSD

Tgt Ion:105 Resp: 104818

Ion Ratio Lower Upper

105 100

120 50.5 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 20.416 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW021179.D

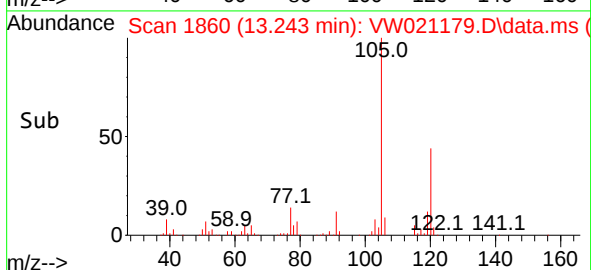
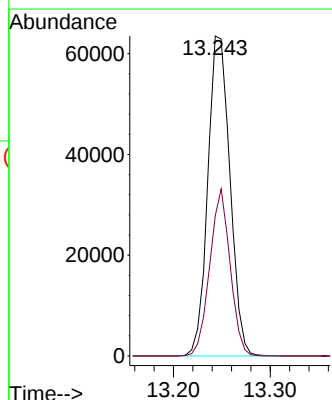
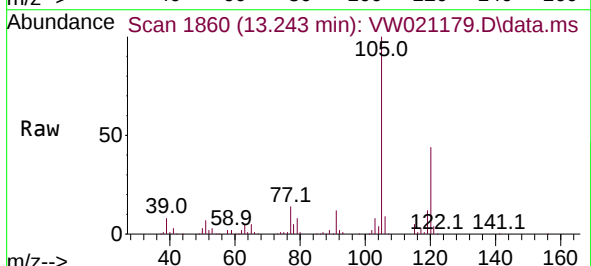
Acq: 06 Dec 2021 19:12

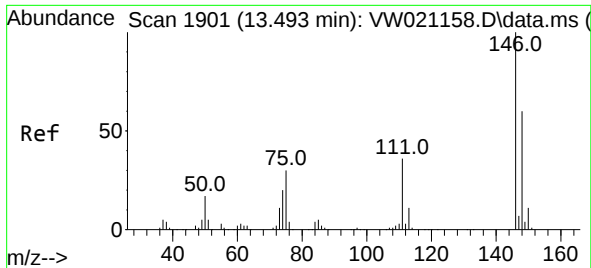
Tgt Ion:105 Resp: 101293

Ion Ratio Lower Upper

105 100

120 47.9 35.0 52.6

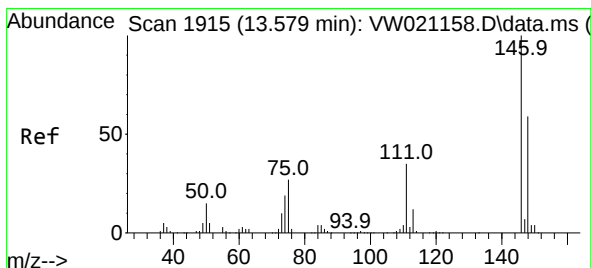
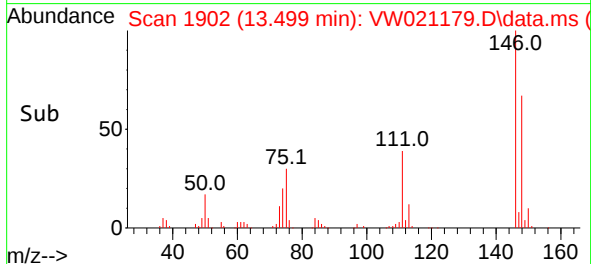
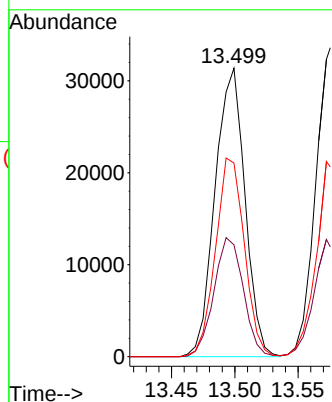
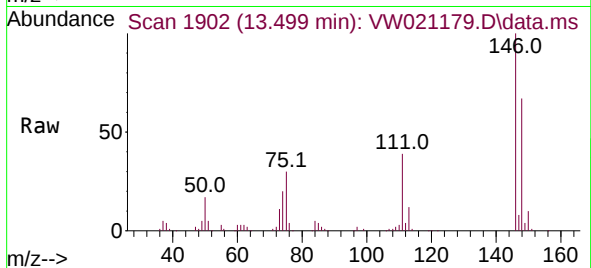




#64
1,3-Dichlorobenzene
Concen: 18.571 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

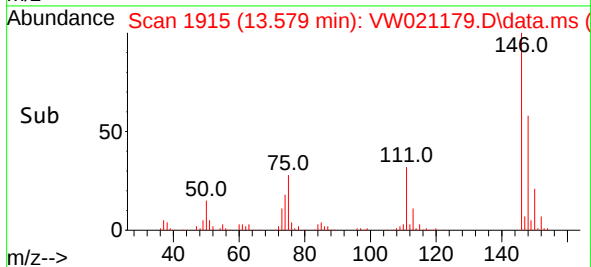
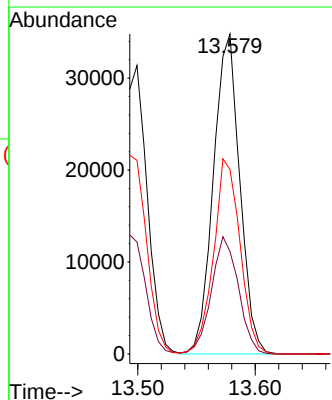
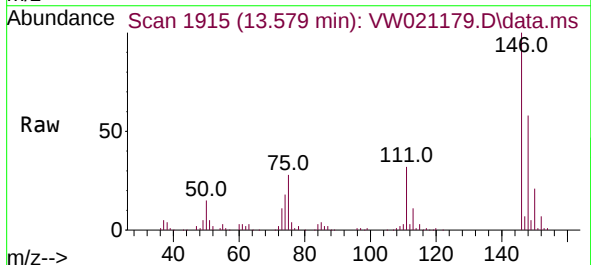
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

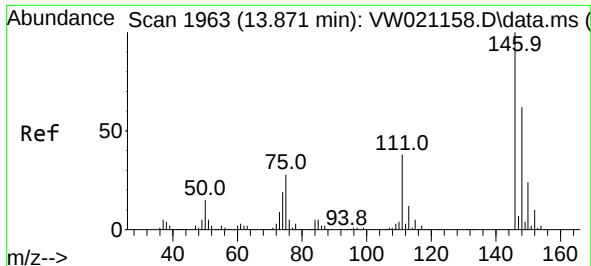
Tgt Ion:146 Resp: 51510
Ion Ratio Lower Upper
146 100
111 38.8 29.8 55.3
148 67.1 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 19.372 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion:146 Resp: 54304
Ion Ratio Lower Upper
146 100
111 32.1 29.0 53.9
148 57.7 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 20.233 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

EX8B3MSD

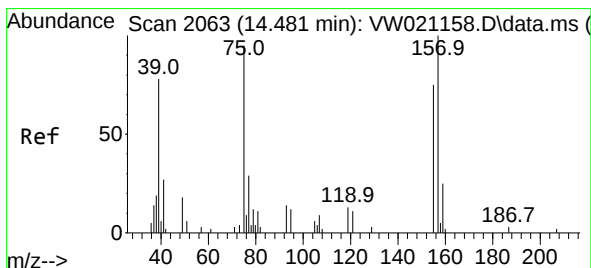
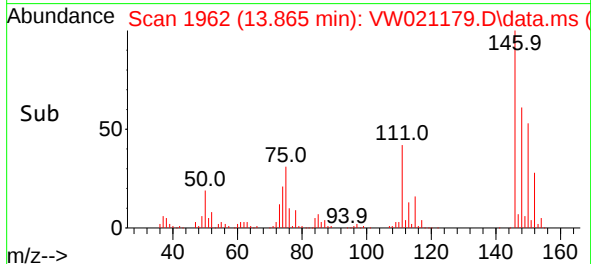
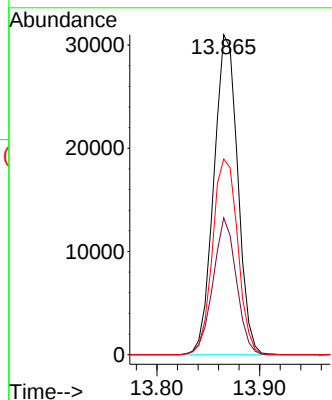
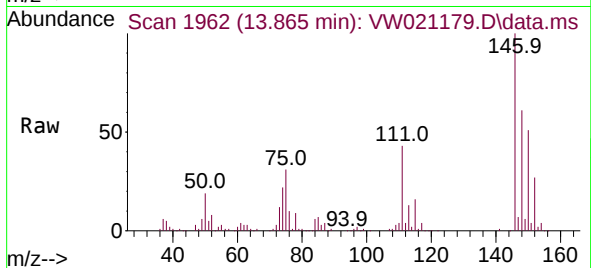
Tgt Ion:146 Resp: 49968

Ion Ratio Lower Upper

146 100

111 42.7 33.1 49.7

148 61.1 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 25.566 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

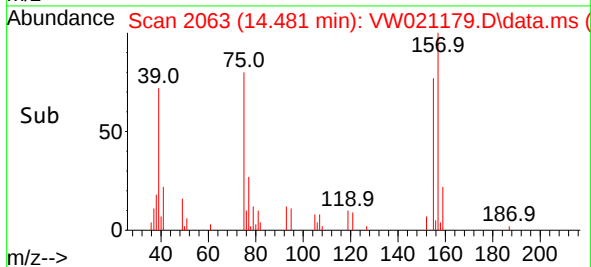
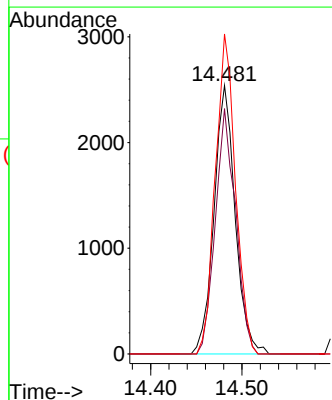
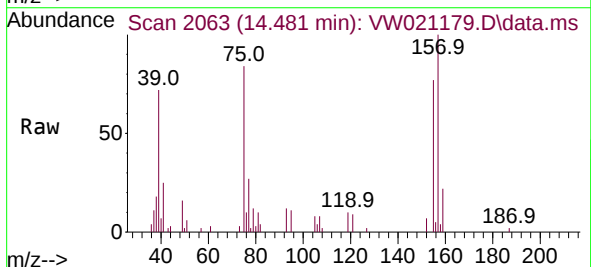
Tgt Ion: 75 Resp: 4099

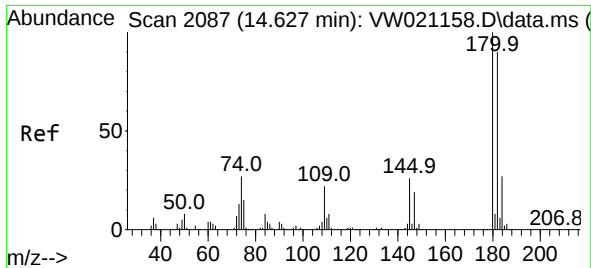
Ion Ratio Lower Upper

75 100

155 91.3 54.2 81.2#

157 119.2 69.4 104.2#

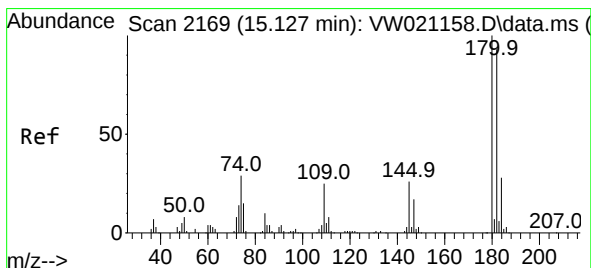
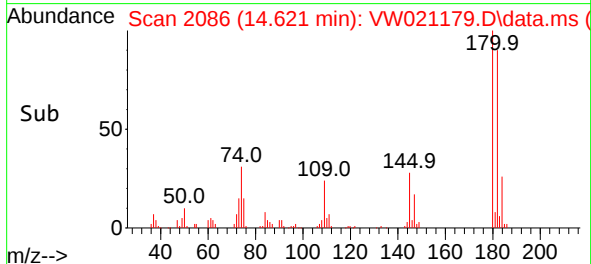
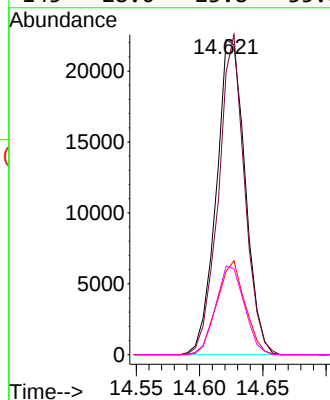
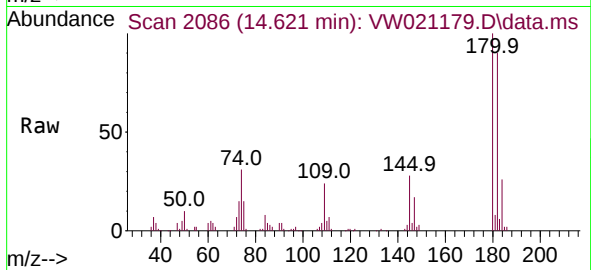




#69
1,3,5-Trichlorobenzene
Concen: 17.267 ug/L
RT: 14.621 min Scan# 2086
Delta R.T. -0.006 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

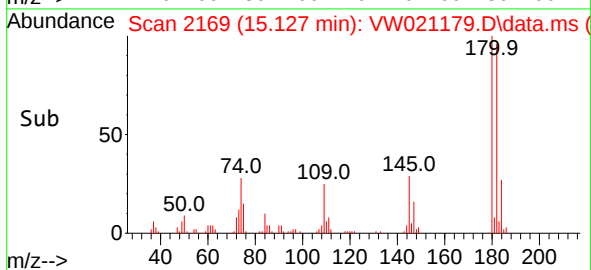
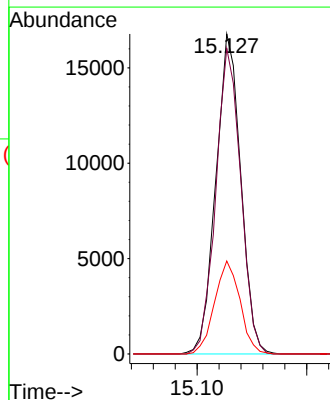
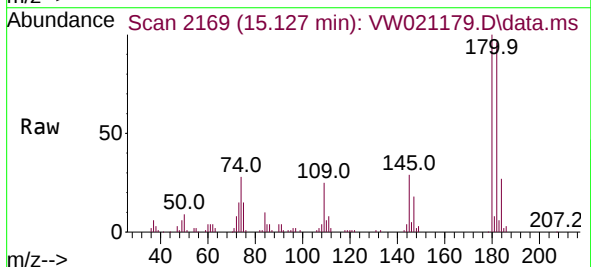
Instrument :
MSVOA_W
ClientSampleId :
EX8B3MSD

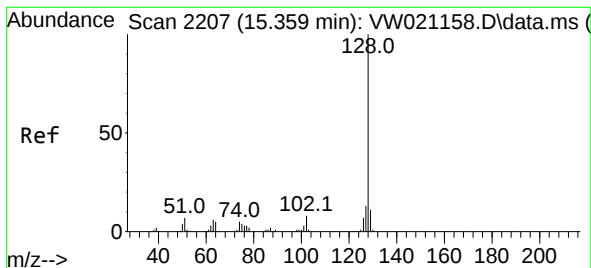
Tgt Ion:180	Resp:	35199
Ion Ratio	Lower	Upper
180	100	
182	92.0	75.4 113.0
184	28.9	23.8 35.8
145	28.0	23.8 35.8



#70
1,2,4-trichlorobenzene
Concen: 15.816 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021179.D
Acq: 06 Dec 2021 19:12

Tgt Ion:180	Resp:	26493
Ion Ratio	Lower	Upper
180	100	
182	95.4	79.0 118.6
145	29.6	26.0 39.0





#71

Naphthalene

Concen: 18.877 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Instrument :

MSVOA_W

ClientSampleId :

EX8B3MSD

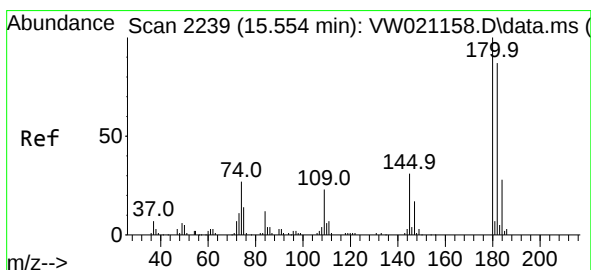
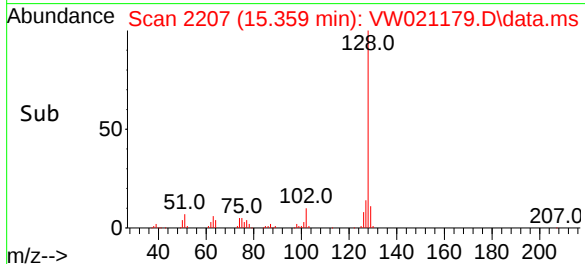
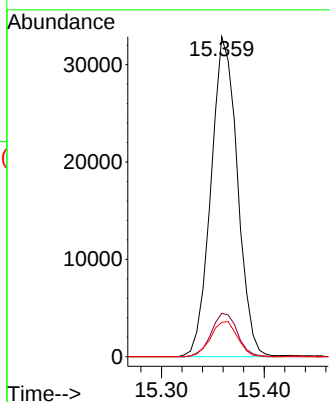
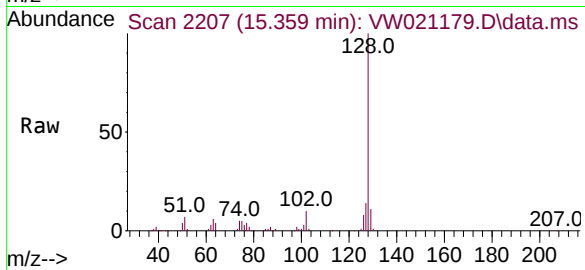
Tgt Ion:128 Resp: 58782

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 11.1 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 14.917 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW021179.D

Acq: 06 Dec 2021 19:12

Tgt Ion:180 Resp: 21807

Ion Ratio Lower Upper

180 100

182 99.4 76.6 114.8

145 33.7 27.4 41.0

