

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021011.D
 Acq On : 01 Dec 2021 22:27
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 06:58:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 01:54:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	121181	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	112248	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	65057	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	28577	20.330	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.320%
7) Chloroethane-d5	2.886	69	22193	24.481	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.920%
11) 1,1-Dichloroethene-d2	4.019	63	63092	23.199	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.800%
21) 2-Butanone-d5	7.080	46	23417	66.744	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.480%
24) Chloroform-d	7.653	84	82413	26.991	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.960%
26) 1,2-Dichloroethane-d4	8.305	65	46057	29.717	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.880%
32) Benzene-d6	8.275	84	150763	25.484	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.920%
36) 1,2-Dichloropropane-d6	9.275	67	44431	26.374	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.480%
41) Toluene-d8	10.323	98	150961	25.709	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.840%
43) trans-1,3-Dichloroprop...	10.579	79	21263	26.703	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.800%
47) 2-Hexanone-d5	10.921	63	19090	68.324	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.640%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	41197	31.922	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	127.680%#
66) 1,2-Dichlorobenzene-d4	13.847	152	60181	25.954	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	9003	25.671	ug/L	98
3) Chloromethane	2.215	50	20739	19.450	ug/L	99
5) Vinyl chloride	2.361	62	41625	22.570	ug/L	98
6) Bromomethane	2.776	94	27282	26.678	ug/L	96
8) Chloroethane	2.922	64	17886	23.069	ug/L	95
9) Trichlorofluoromethane	3.257	101	23609	21.977	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	38761	23.735	ug/L	94
12) 1,1-Dichloroethene	4.044	96	33839	22.287	ug/L	81
13) Acetone	4.123	43	12944	41.322	ug/L	76
14) Carbon disulfide	4.385	76	78377	19.087	ug/L	100
15) Methyl Acetate	4.672	43	15785	28.099	ug/L	91
16) Methylene chloride	4.922	84	38612	22.846	ug/L	88
17) trans-1,2-Dichloroethene	5.428	96	37039	22.634	ug/L	85
18) Methyl tert-butyl Ether	5.428	73	64968	26.449	ug/L	96
19) 1,1-Dichloroethane	6.220	63	66877	24.665	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	42437	24.062	ug/L	83
22) 2-Butanone	7.171	43	21284	50.010	ug/L	89
23) Bromochloromethane	7.513	128	19242	23.865	ug/L	# 70
25) Chloroform	7.677	83	74057	24.989	ug/L	99

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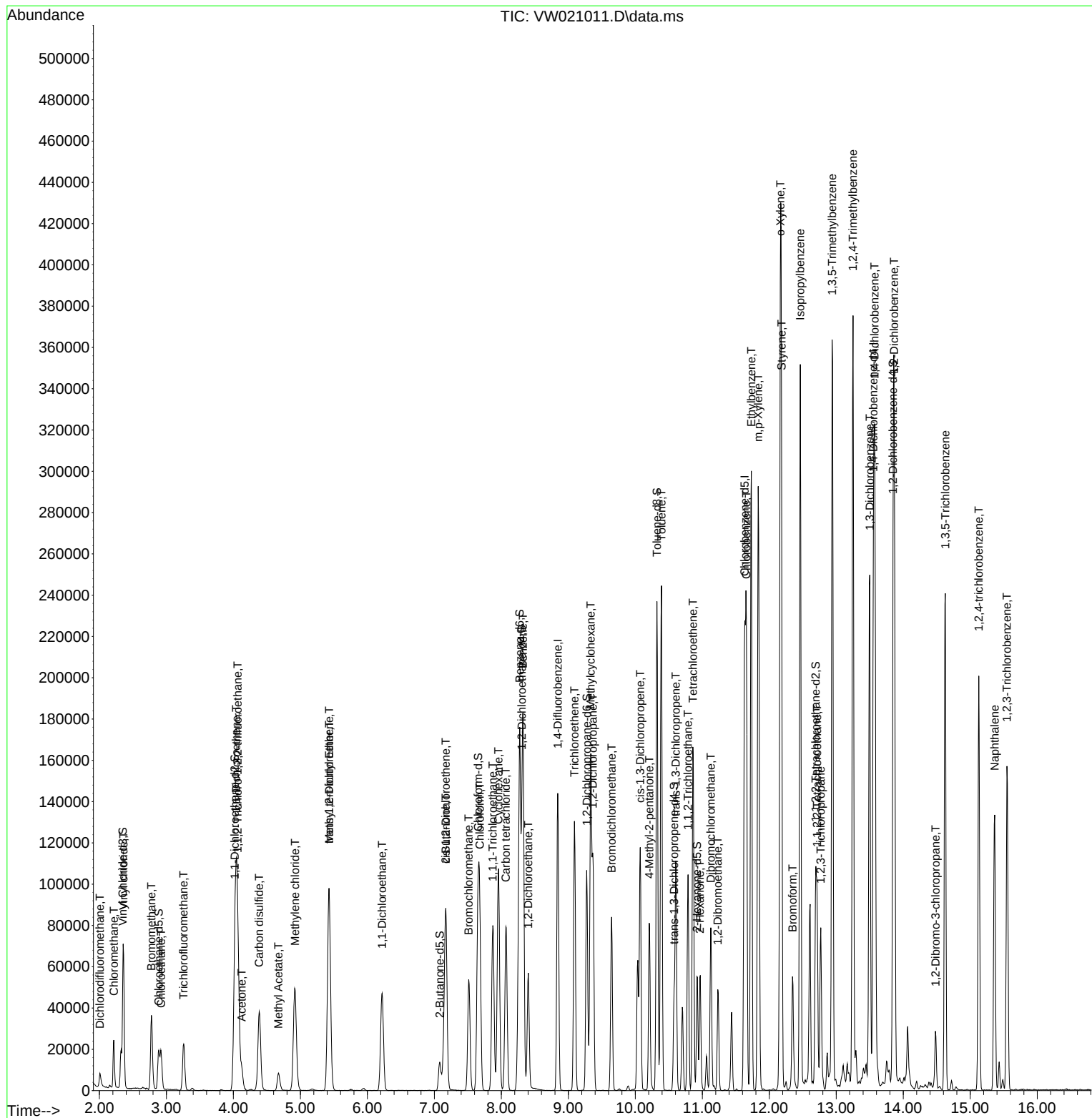
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	49615	27.648	ug/L	98
29) Cyclohexane	7.958	56	56727	22.668	ug/L	88
30) 1,1,1-Trichloroethane	7.872	97	64746	23.986	ug/L	95
31) Carbon tetrachloride	8.067	117	57736	22.599	ug/L	97
33) Benzene	8.324	78	153076	24.086	ug/L	100
34) Trichloroethene	9.092	95	42587	23.957	ug/L	95
35) Methylcyclohexane	9.336	83	64652	22.059	ug/L	88
37) 1,2-Dichloropropane	9.366	63	36204	24.477	ug/L #	96
38) Bromodichloromethane	9.646	83	52893	24.918	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	61772	25.294	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	51220	58.180	ug/L #	94
42) Toluene	10.390	91	174847	24.459	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	56286	26.225	ug/L	100
45) 1,1,2-Trichloroethane	10.787	97	30714	26.699	ug/L	95
46) Tetrachloroethene	10.860	164	36727	22.502	ug/L	94
48) 2-Hexanone	10.963	43	34774	57.024	ug/L #	94
49) Dibromochloromethane	11.128	129	39456	24.878	ug/L	95
50) 1,2-Dibromoethane	11.232	107	30545	26.484	ug/L #	98
51) Chlorobenzene	11.658	112	118890	25.006	ug/L	92
52) Ethylbenzene	11.731	91	211627	26.716	ug/L	100
53) m,p-Xylene	11.835	106	92233	28.519	ug/L	91
54) o-Xylene	12.164	106	78030	25.122	ug/L	99
55) Styrene	12.183	104	130946	25.390	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.713	83	37617	29.503	ug/L #	92
59) Bromoform	12.347	173	22964	23.674	ug/L	97
60) Isopropylbenzene	12.463	105	215959	24.372	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	28083	29.429	ug/L	94
62) 1,3,5-Trimethylbenzene	12.939	105	192345	25.732	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	202851	27.505	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	98213	23.641	ug/L	99
65) 1,4-Dichlorobenzene	13.573	146	98117	23.413	ug/L	93
67) 1,2-Dichlorobenzene	13.865	146	87840	23.995	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.481	75	6596	28.912	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.627	180	74184	22.546	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	60316	22.407	ug/L	96
71) Naphthalene	15.365	128	118146	26.936	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	53636	23.612	ug/L	97

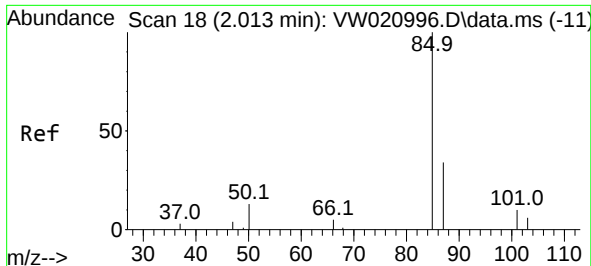
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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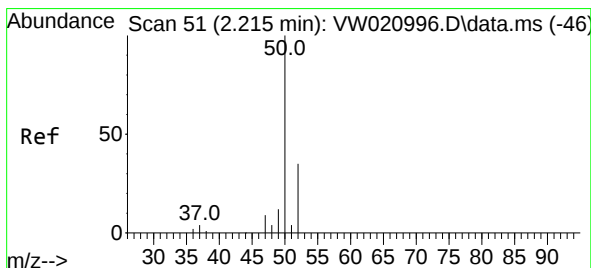
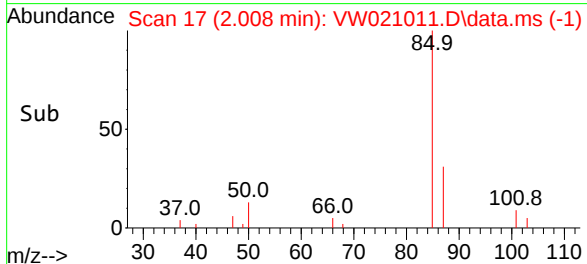
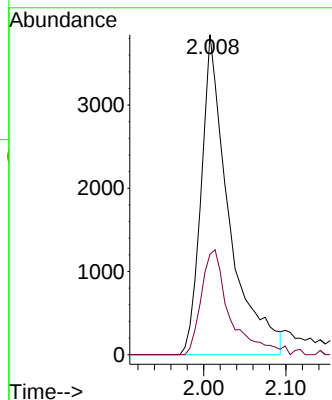
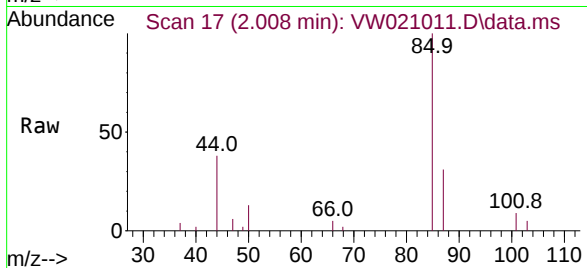




#2
Dichlorodifluoromethane
Concen: 25.671 ug/L
RT: 2.008 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

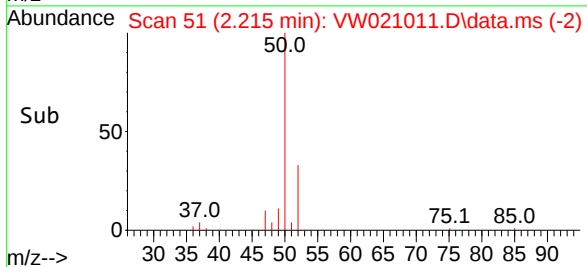
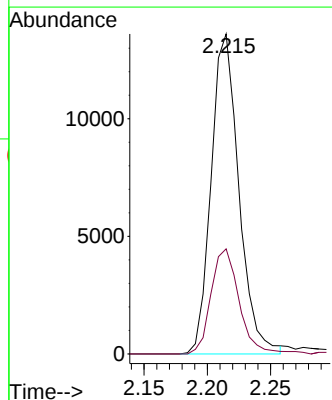
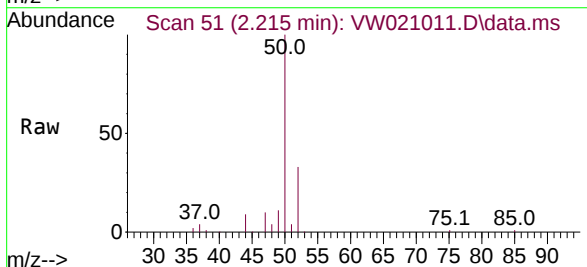
Instrument :
MSVOA_W
ClientSampleId :

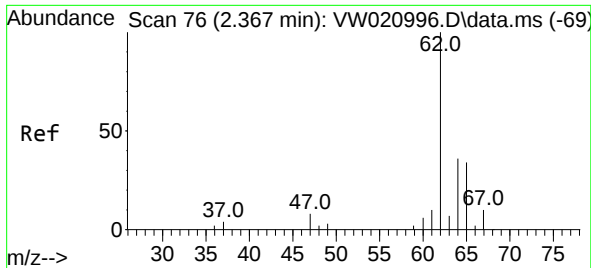
Tgt Ion: 85 Resp: 9003
Ion Ratio Lower Upper
85 100
87 33.3 25.8 38.6



#3
Chloromethane
Concen: 19.450 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 50 Resp: 20739
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.6

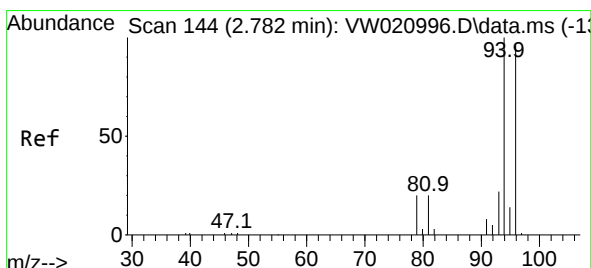
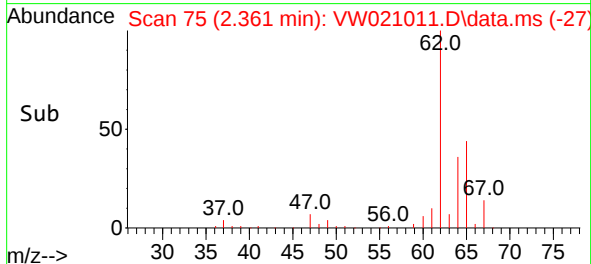
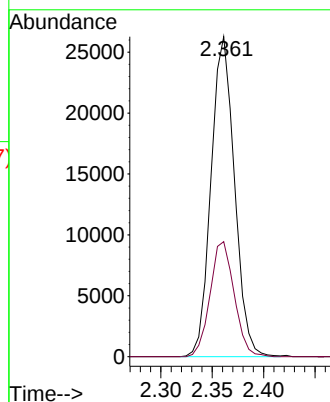
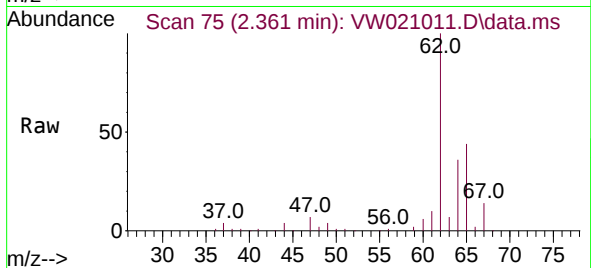




#5
 Vinyl chloride
 Concen: 22.570 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VW021011.D
 Acq: 01 Dec 2021 22:27

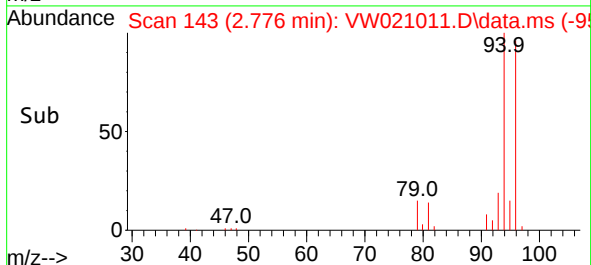
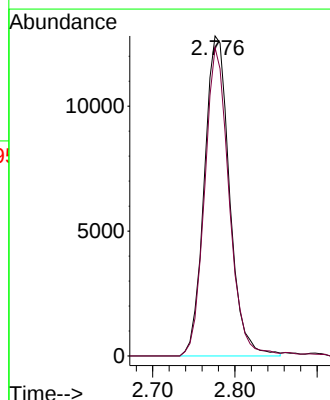
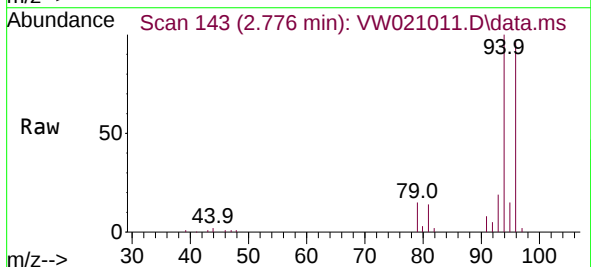
Instrument :
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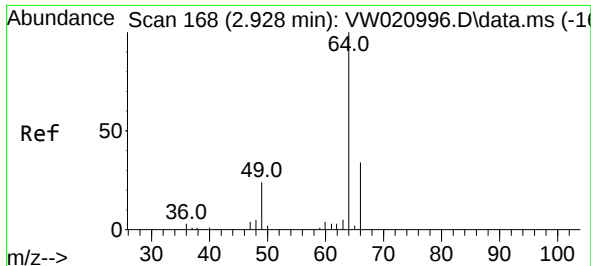
Tgt Ion: 62 Resp: 41625
 Ion Ratio Lower Upper
 62 100
 64 35.9 24.4 45.2



#6
 Bromomethane
 Concen: 26.678 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW021011.D
 Acq: 01 Dec 2021 22:27

Tgt Ion: 94 Resp: 27282
 Ion Ratio Lower Upper
 94 100
 96 96.3 64.8 120.4

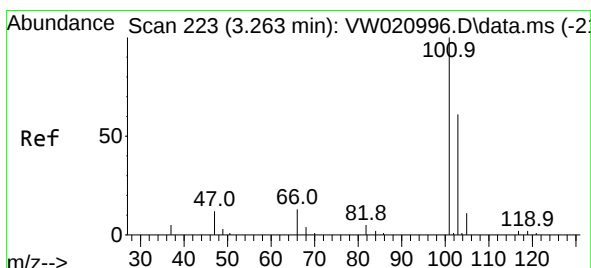
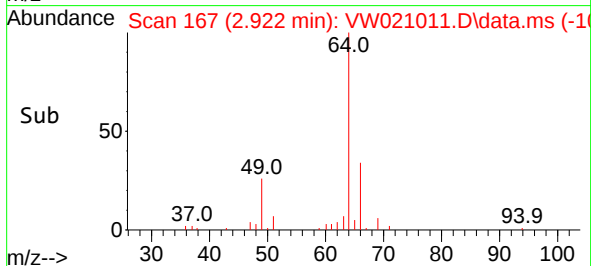
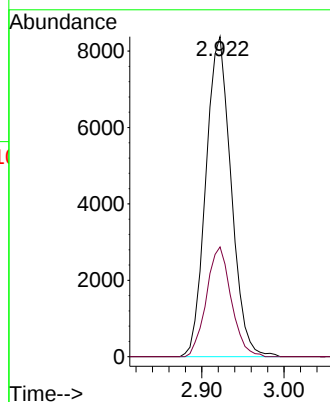
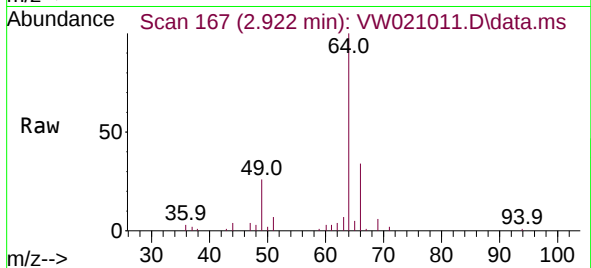




#8
Chloroethane
Concen: 23.069 ug/L
RT: 2.922 min Scan# 168
Delta R.T. -0.006 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

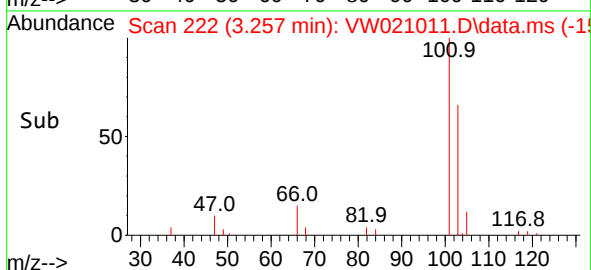
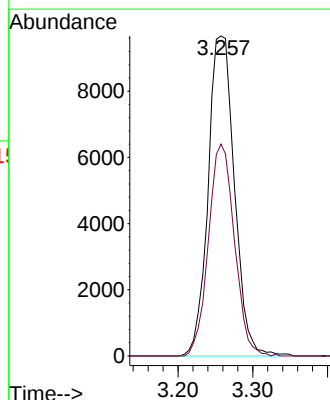
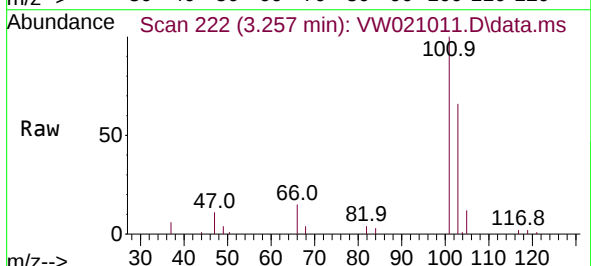
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MSVOA_W
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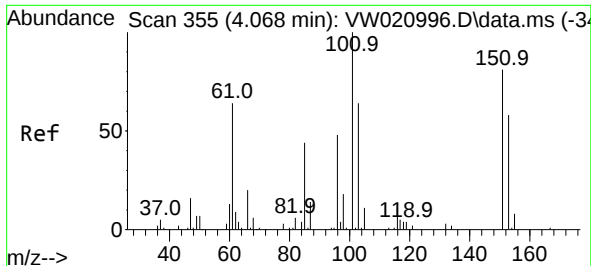
Tgt Ion: 64 Resp: 17886
Ion Ratio Lower Upper
64 100
66 34.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 21.977 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.006 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 101 Resp: 23609
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2

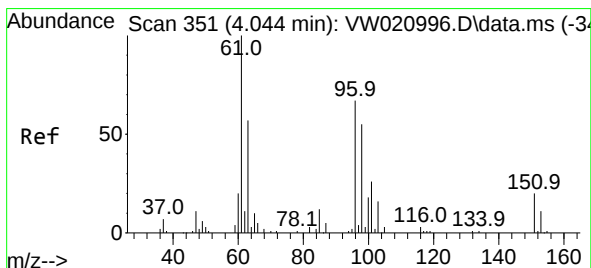
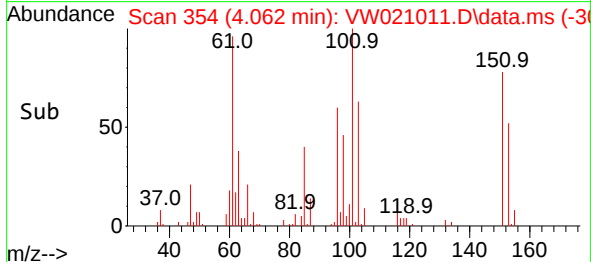
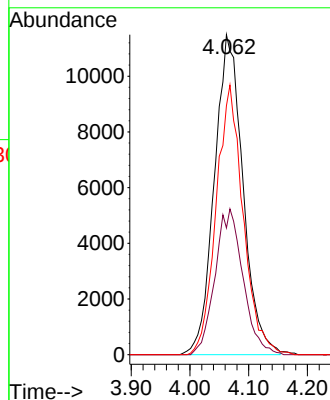
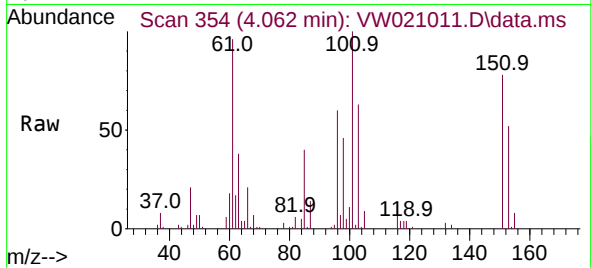




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.735 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW021011.D
 Acq: 01 Dec 2021 22:27

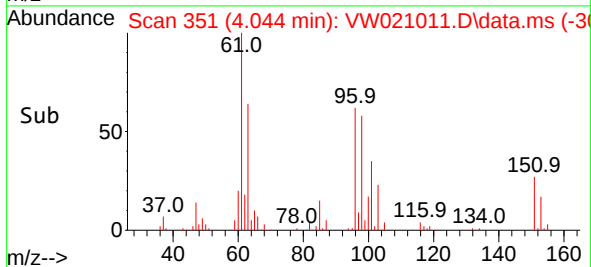
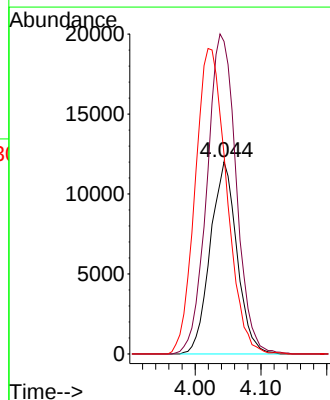
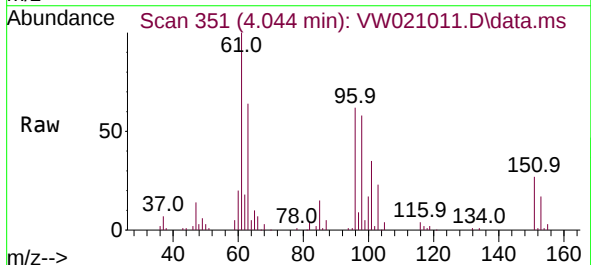
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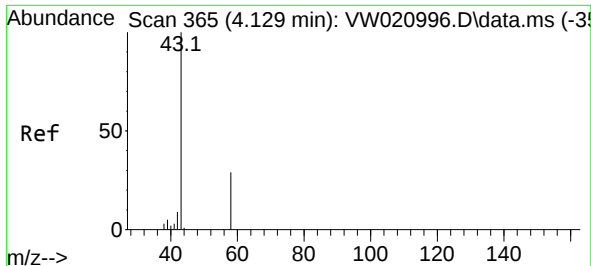
Tgt Ion:101 Resp: 38761
 Ion Ratio Lower Upper
 101 100
 85 44.7 36.6 54.8
 151 79.7 57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 22.287 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: VW021011.D
 Acq: 01 Dec 2021 22:27

Tgt Ion: 96 Resp: 33839
 Ion Ratio Lower Upper
 96 100
 61 162.6 138.3 256.9
 63 103.9 82.6 153.4





#13

Acetone

Concen: 41.322 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.006 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

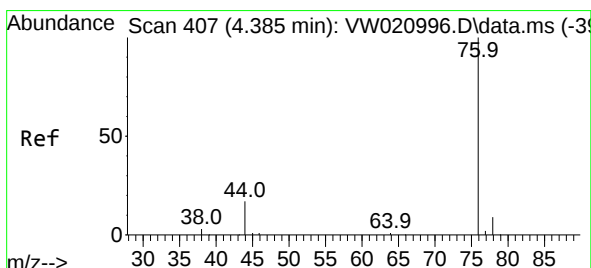
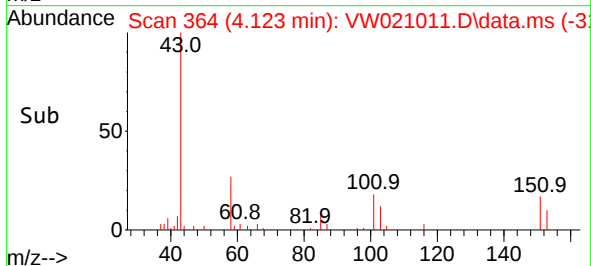
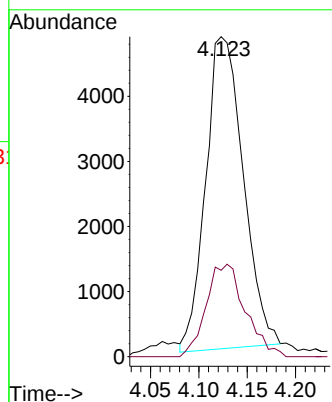
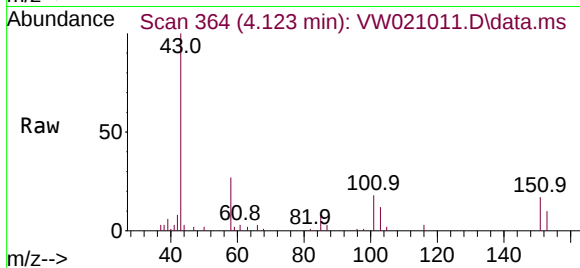
ClientSampleId :

Tgt Ion: 43 Resp: 12944

Ion Ratio Lower Upper

43 100

58 14.0 0.0 52.8



#14

Carbon disulfide

Concen: 19.087 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

Lab File: VW021011.D

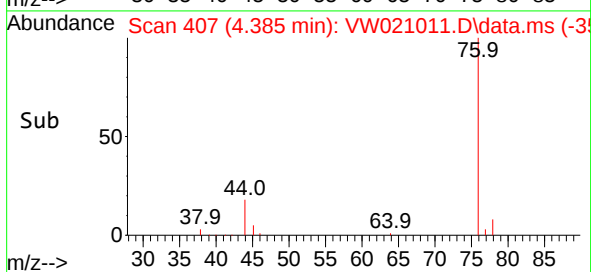
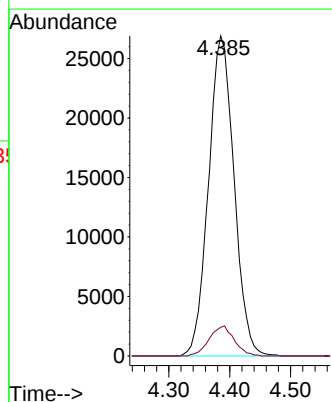
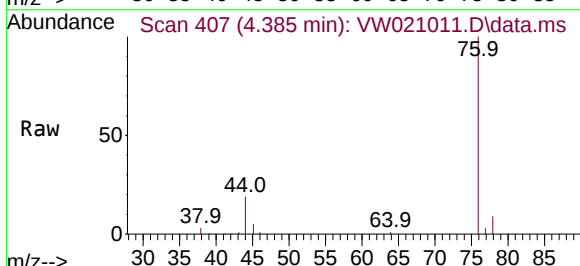
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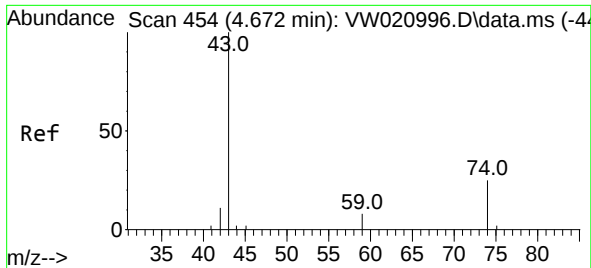
Tgt Ion: 76 Resp: 78377

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

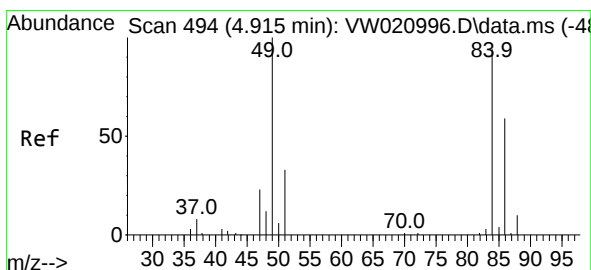
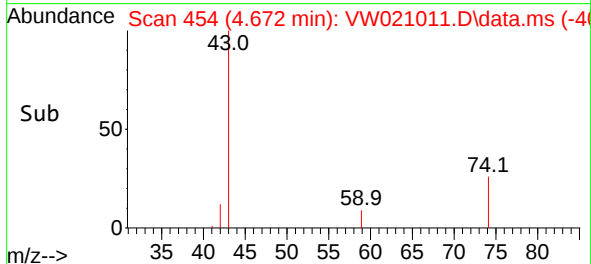
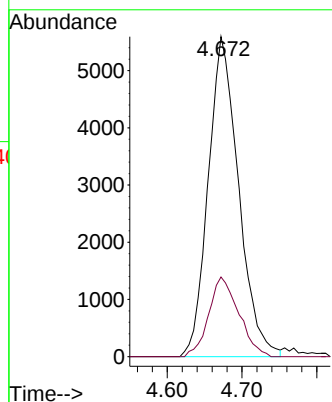
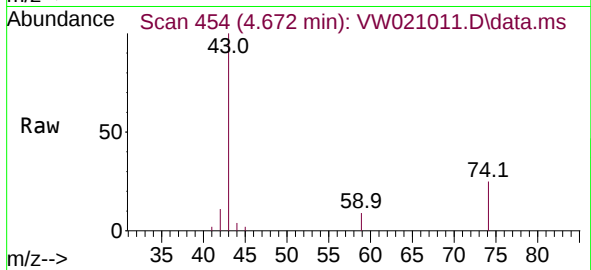




#15
Methyl Acetate
Concen: 28.099 ug/L
RT: 4.672 min Scan# 415
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

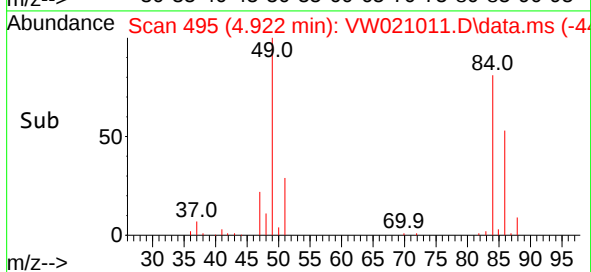
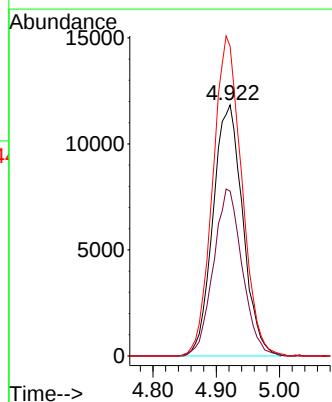
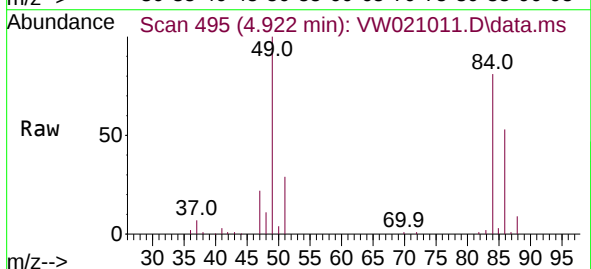
Instrument :
MSVOA_W
ClientSampleId :

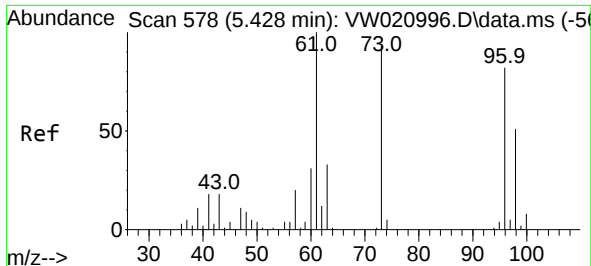
Tgt Ion: 43 Resp: 15785
Ion Ratio Lower Upper
43 100
74 24.6 16.4 24.6



#16
Methylene chloride
Concen: 22.846 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 84 Resp: 38612
Ion Ratio Lower Upper
84 100
86 65.7 45.5 84.5
49 123.3 100.5 186.7

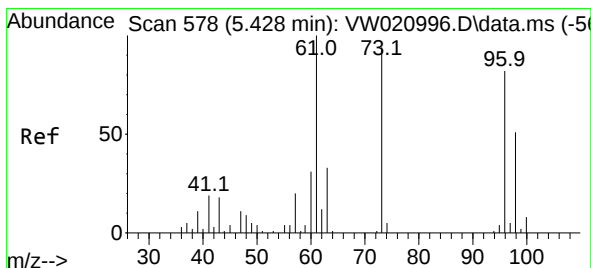
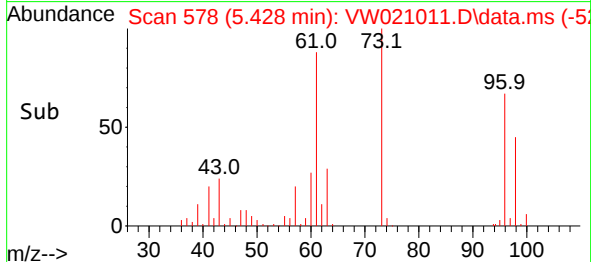
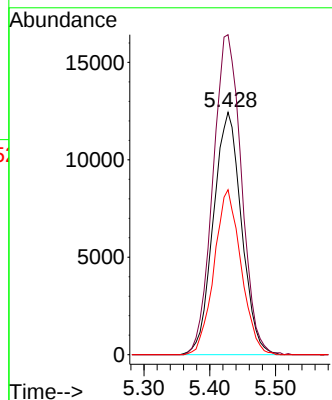
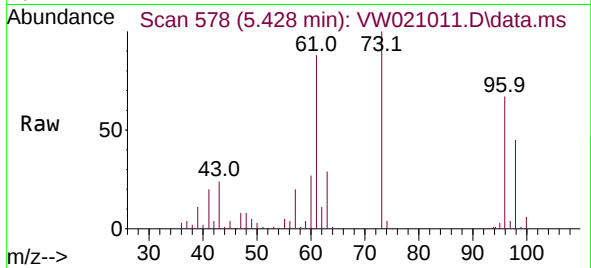




#17
trans-1,2-Dichloroethene
Concen: 22.634 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

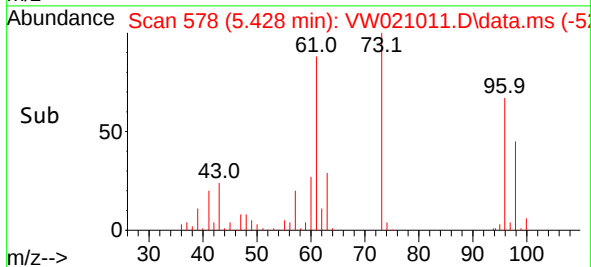
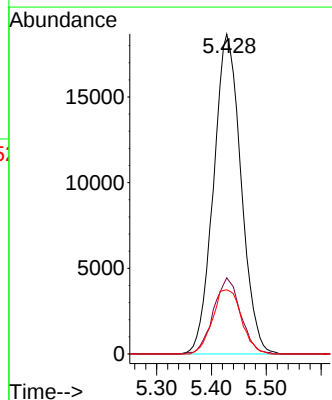
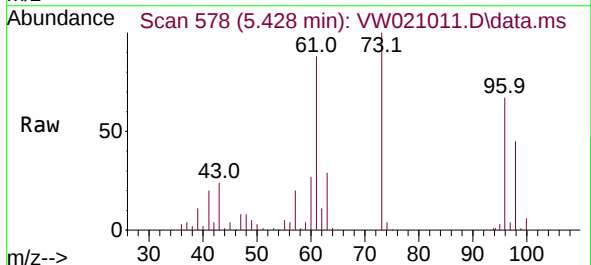
Instrument :
MSVOA_W
ClientSampleId :

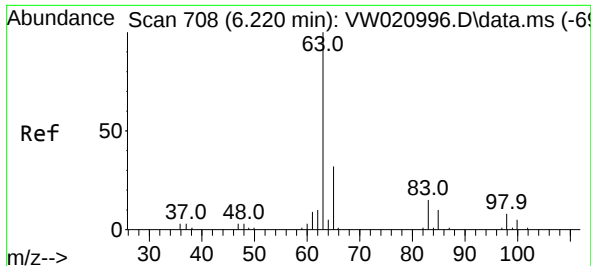
Tgt Ion: 96 Resp: 37039
Ion Ratio Lower Upper
96 100
61 132.0 107.4 199.4
98 68.1 41.2 76.6



#18
Methyl tert-butyl Ether
Concen: 26.449 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 73 Resp: 64968
Ion Ratio Lower Upper
73 100
43 23.5 19.5 29.3
57 21.2 19.3 28.9





#19

1,1-Dichloroethane

Concen: 24.665 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

ClientSampleId :

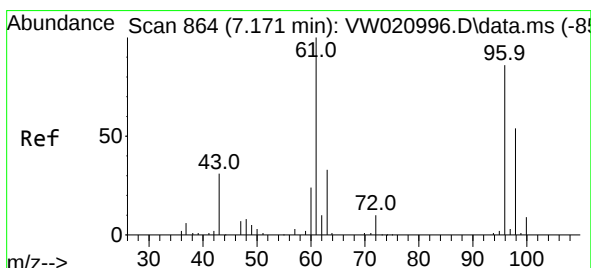
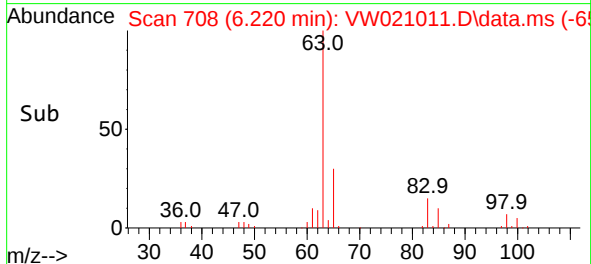
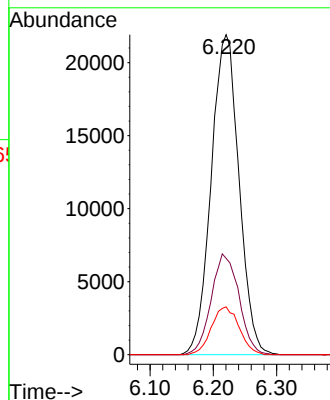
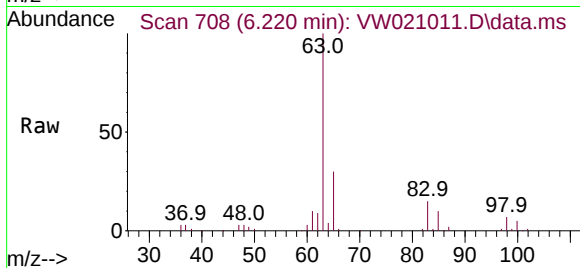
Tgt Ion: 63 Resp: 66877

Ion Ratio Lower Upper

63 100

65 30.1 22.1 41.1

83 14.9 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 24.062 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

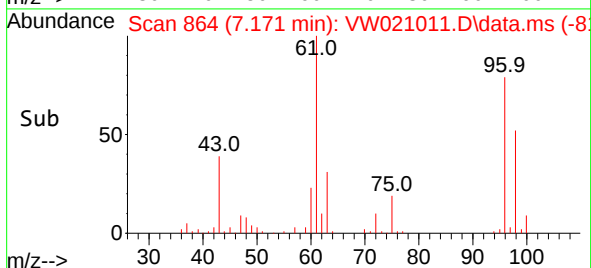
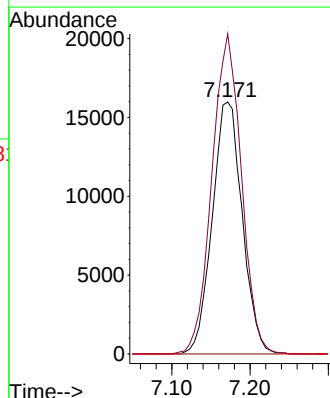
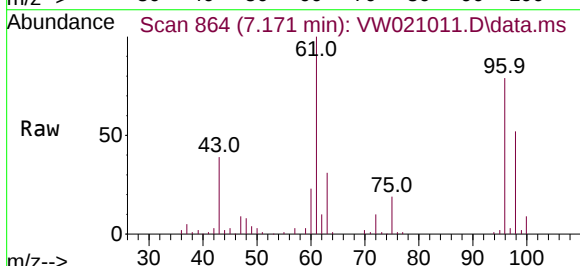
Tgt Ion: 96 Resp: 42437

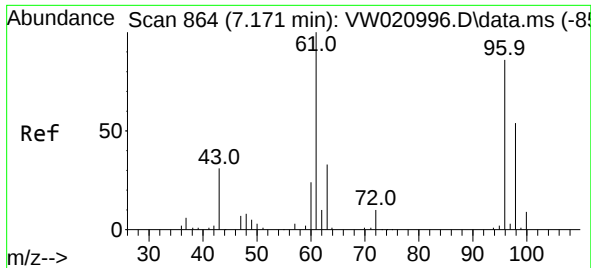
Ion Ratio Lower Upper

96 100

61 127.0 103.7 192.7

68 0.0 0.0 0.0

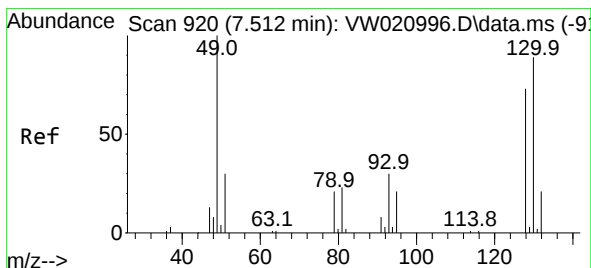
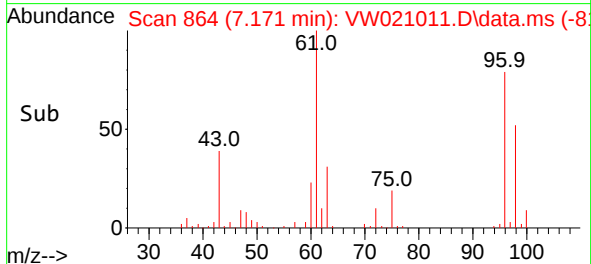
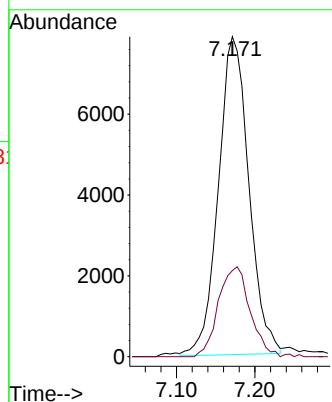
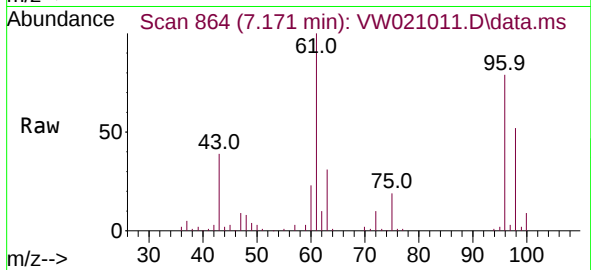




#22
2-Butanone
Concen: 50.010 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

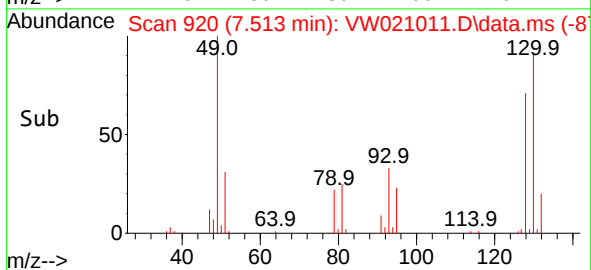
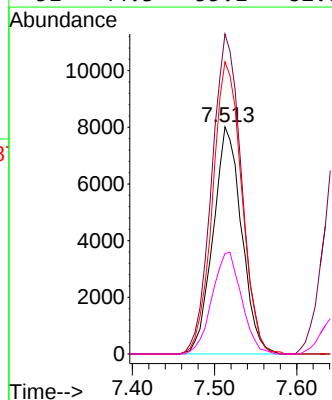
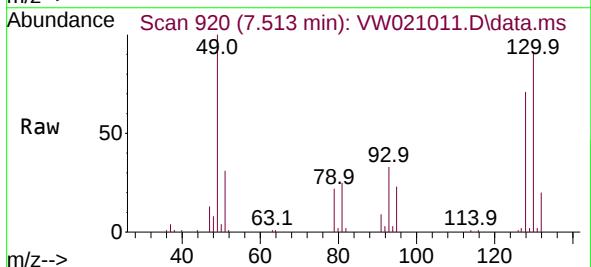
Instrument :
MSVOA_W
ClientSampleId :

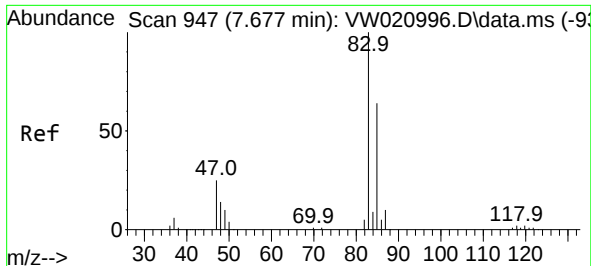
Tgt Ion: 43 Resp: 21284
Ion Ratio Lower Upper
43 100
72 29.1 11.8 35.4



#23
Bromochloromethane
Concen: 23.865 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 128 Resp: 19242
Ion Ratio Lower Upper
128 100
49 141.0 150.3 279.1#
130 128.7 88.3 163.9
51 44.3 55.1 82.7#

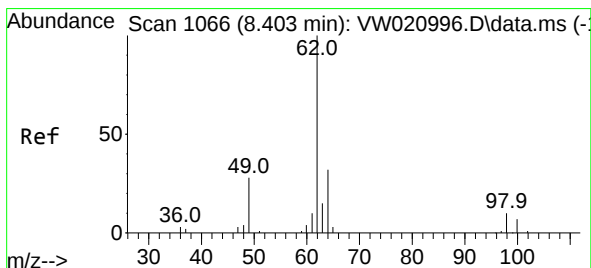
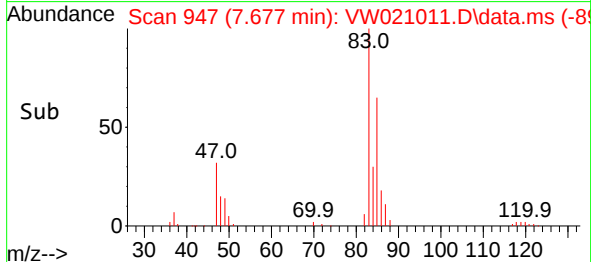
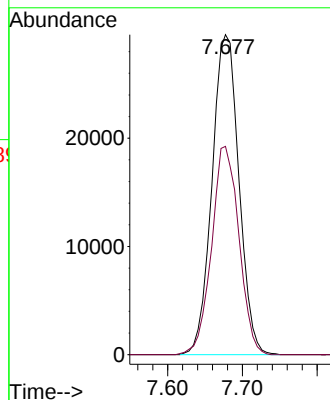
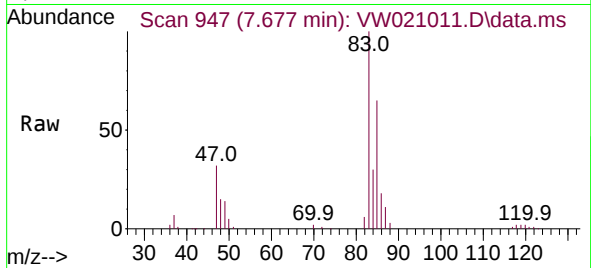




#25
Chloroform
Concen: 24.989 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

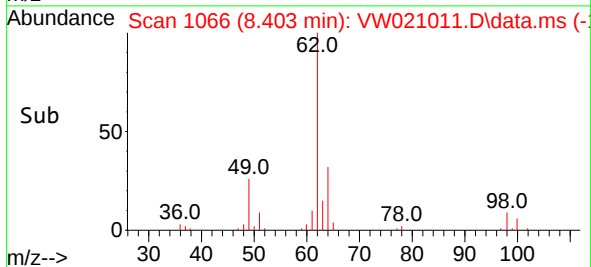
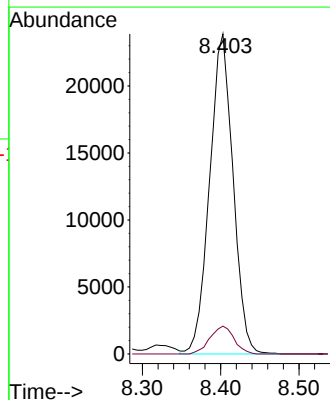
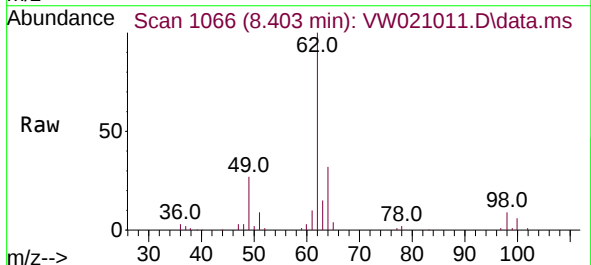
Instrument :
MSVOA_W
ClientSampleId :

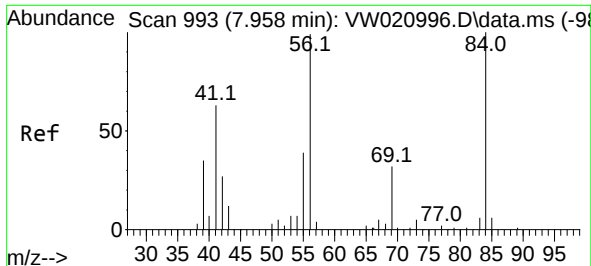
Tgt Ion: 83 Resp: 74057
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.7



#27
1,2-Dichloroethane
Concen: 27.648 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 62 Resp: 49615
Ion Ratio Lower Upper
62 100
98 8.7 6.5 9.7

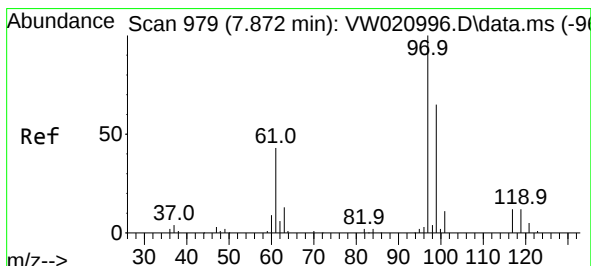
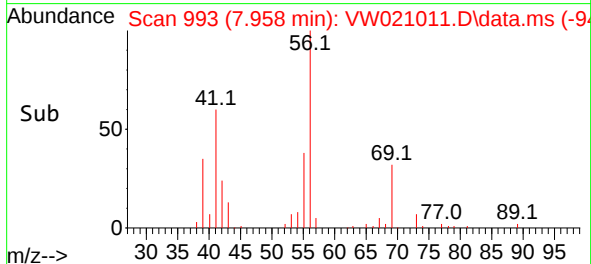
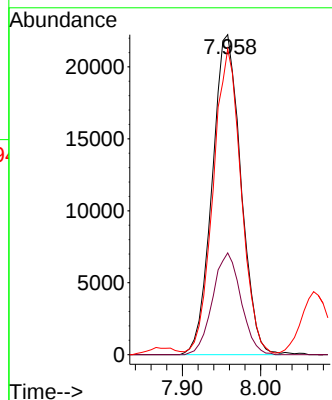
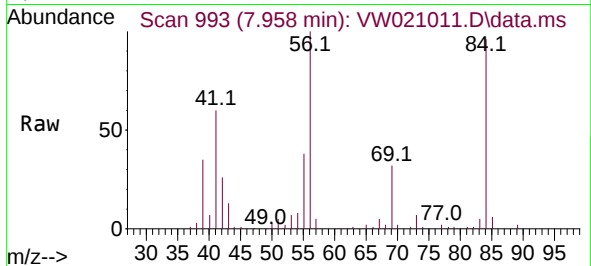




#29
Cyclohexane
Concen: 22.668 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

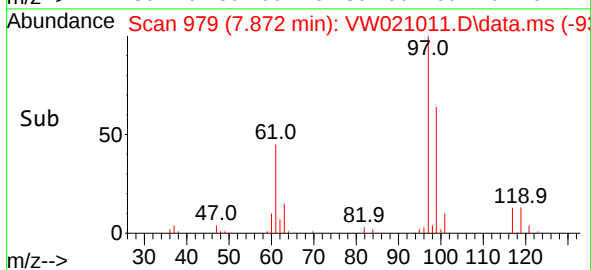
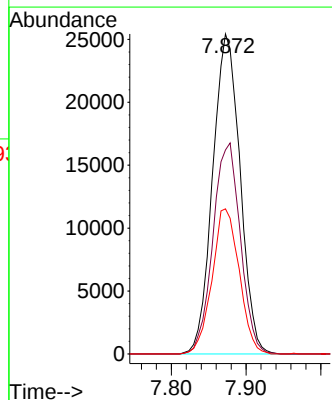
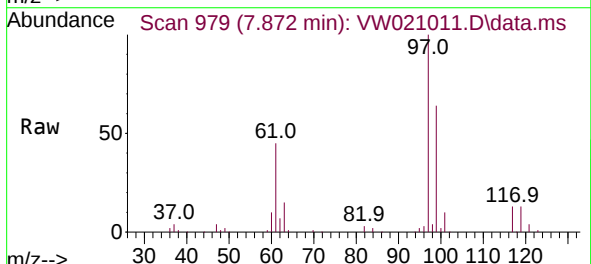
Instrument :
MSVOA_W
ClientSampleId :

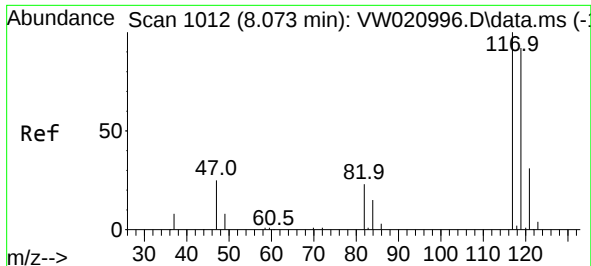
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.5	35.3
84	93.0	63.4	95.2



#30
1,1,1-Trichloroethane
Concen: 23.986 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.6	77.4
61	44.9	40.9	61.3

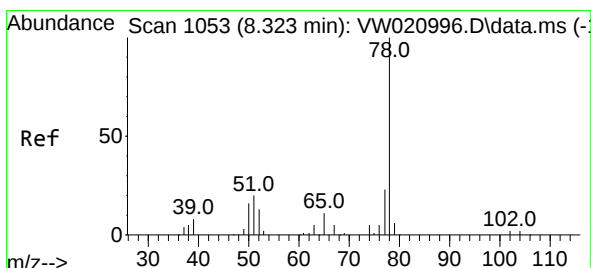
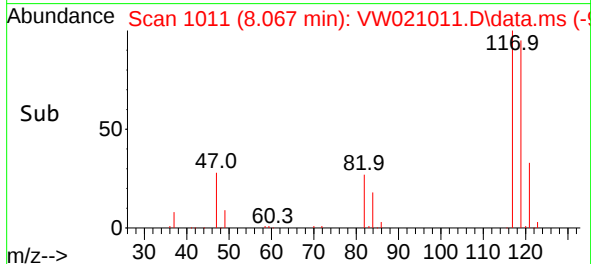
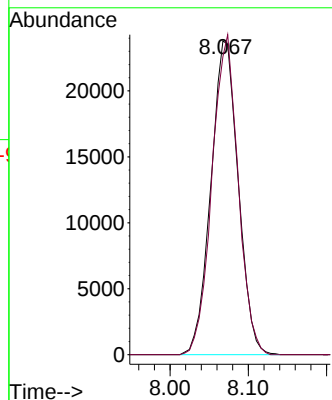
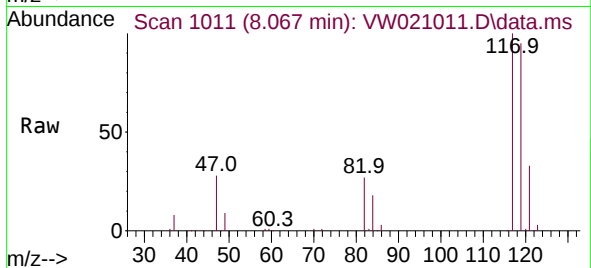




#31
Carbon tetrachloride
Concen: 22.599 ug/L
RT: 8.067 min Scan# 1012
Delta R.T. -0.006 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

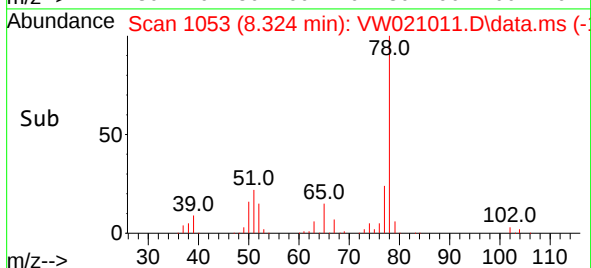
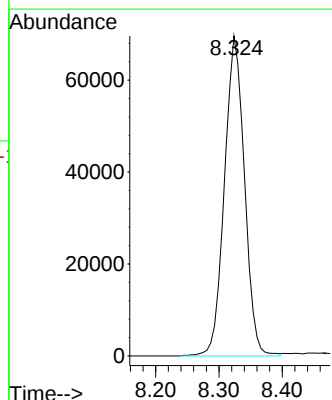
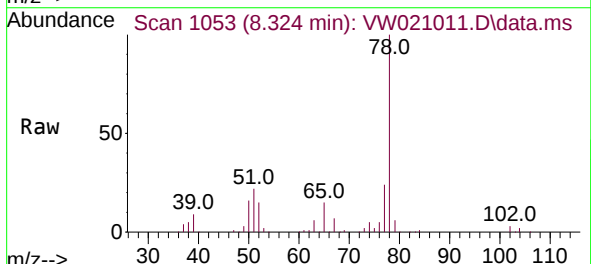
Instrument :
MSVOA_W
ClientSampleId :

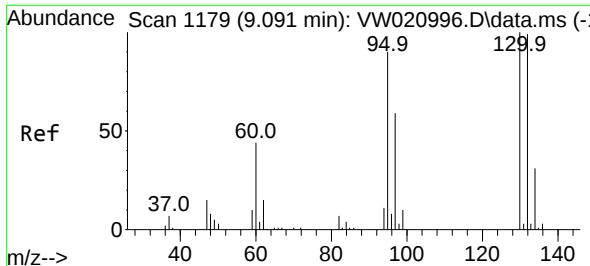
Tgt Ion:117 Resp: 57736
Ion Ratio Lower Upper
117 100
119 97.5 75.7 113.5



#33
Benzene
Concen: 24.086 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 78 Resp: 153076

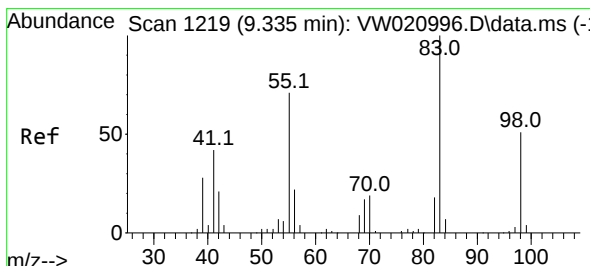
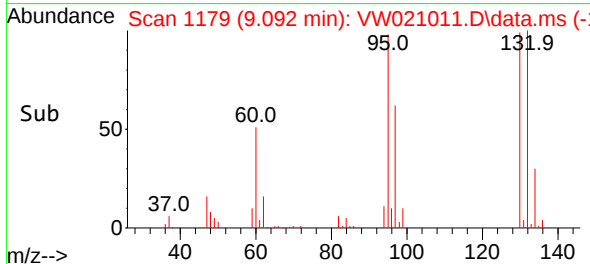
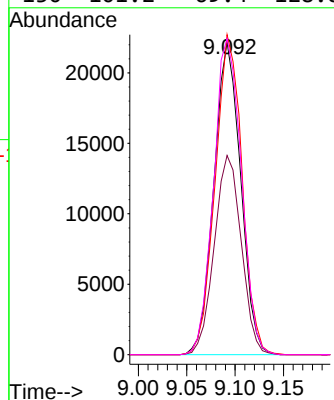
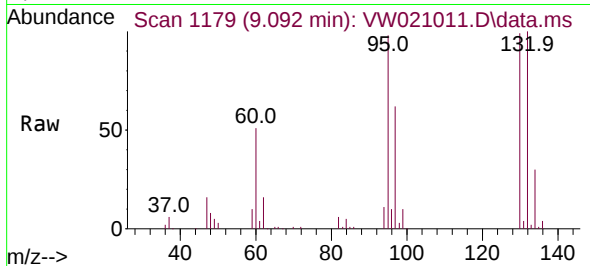




#34
Trichloroethene
Concen: 23.957 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

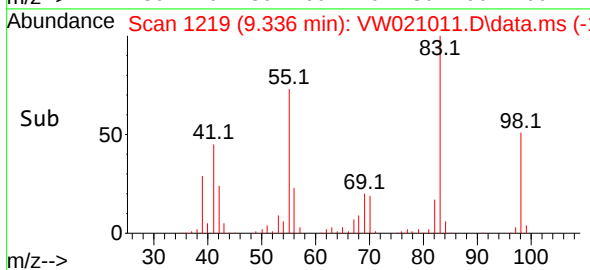
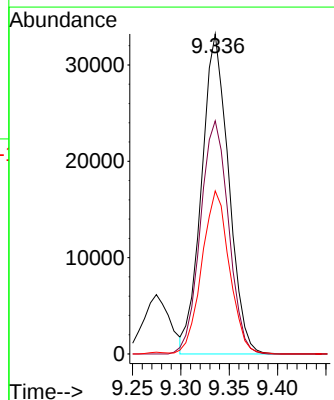
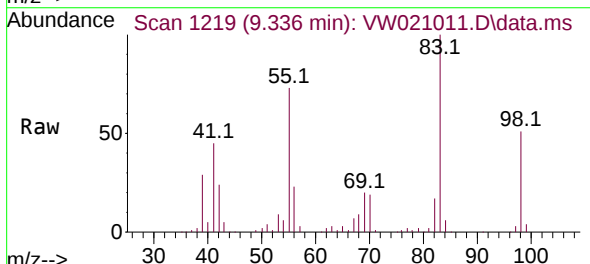
Instrument :
MSVOA_W
ClientSampleId :

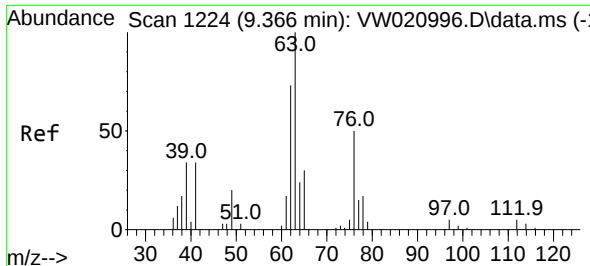
Tgt Ion: 95 Resp: 42587
Ion Ratio Lower Upper
95 100
97 63.8 47.0 87.2
132 102.5 65.5 121.6
130 101.2 69.4 128.8



#35
Methylcyclohexane
Concen: 22.059 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 83 Resp: 64652
Ion Ratio Lower Upper
83 100
55 75.6 70.8 106.2
98 51.9 37.7 56.5





#37

1,2-Dichloropropane

Concen: 24.477 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

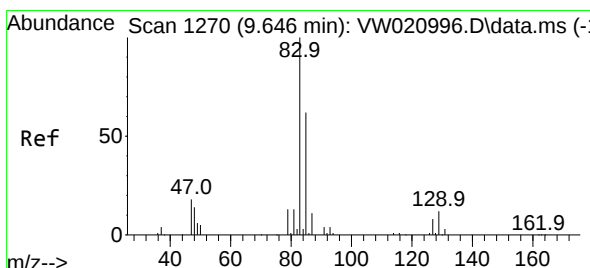
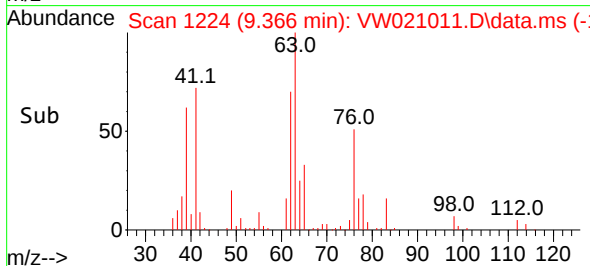
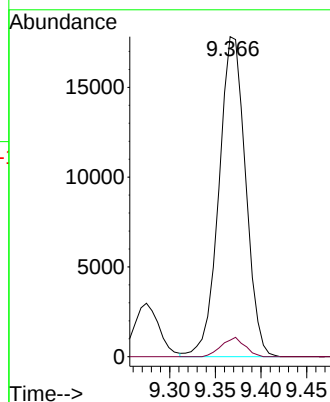
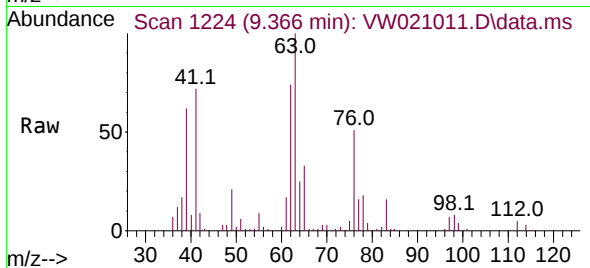
ClientSampleId :

Tgt Ion: 63 Resp: 36204

Ion Ratio Lower Upper

63 100

112 5.3 3.2 4.8#



#38

Bromodichloromethane

Concen: 24.918 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

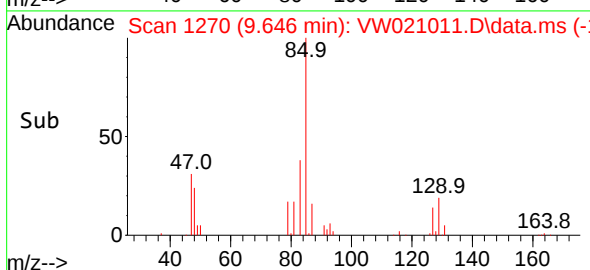
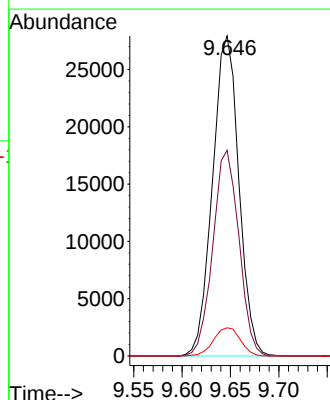
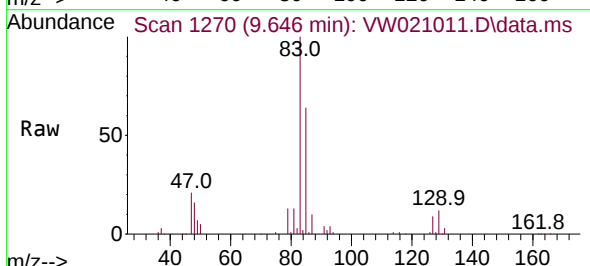
Tgt Ion: 83 Resp: 52893

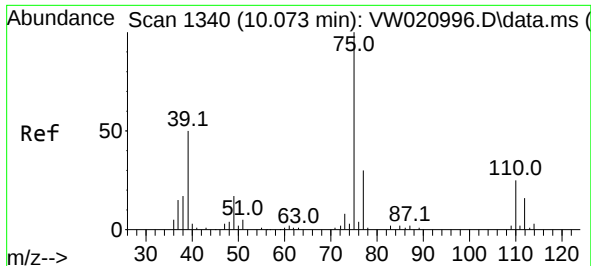
Ion Ratio Lower Upper

83 100

85 64.3 44.1 81.9

127 8.8 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 25.294 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

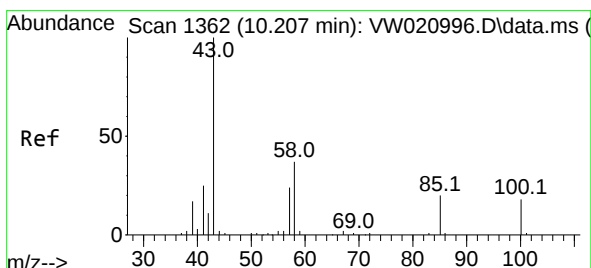
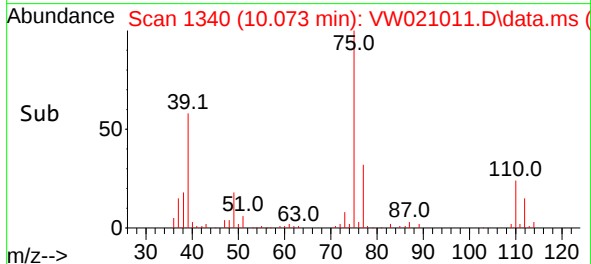
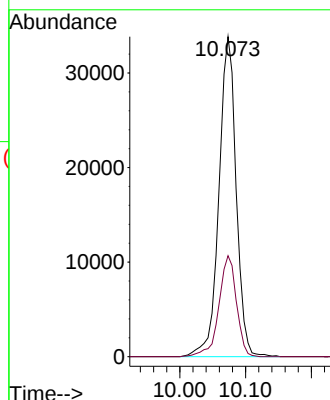
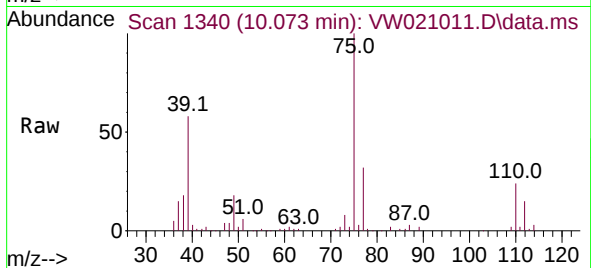
ClientSampleId :

Tgt Ion: 75 Resp: 61772

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 58.180 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

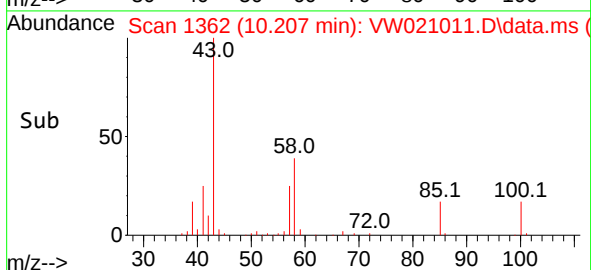
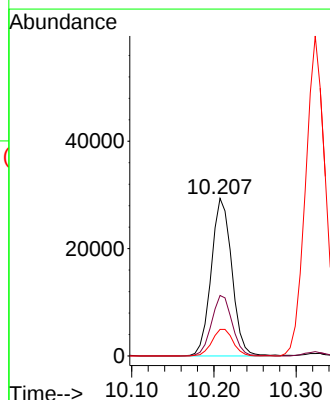
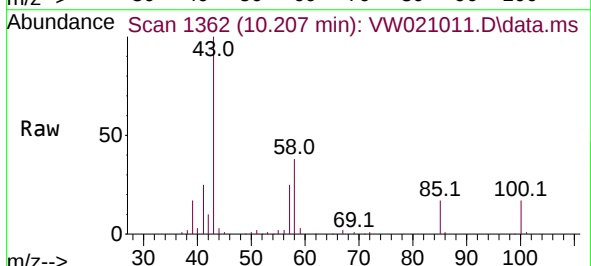
Tgt Ion: 43 Resp: 51220

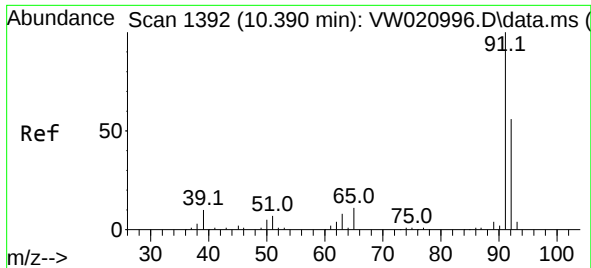
Ion Ratio Lower Upper

43 100

58 38.3 28.8 43.2

100 17.3 10.0 15.0#

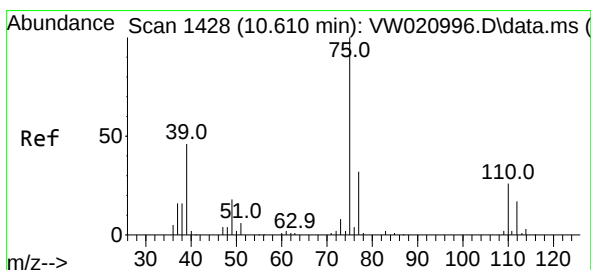
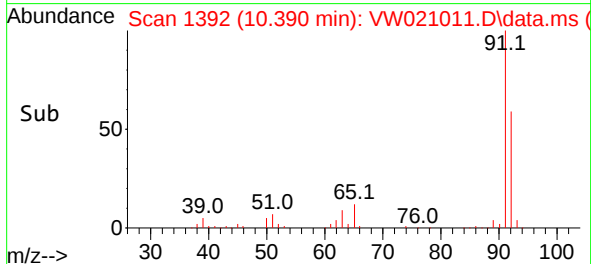
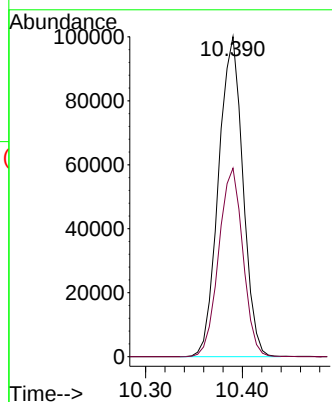
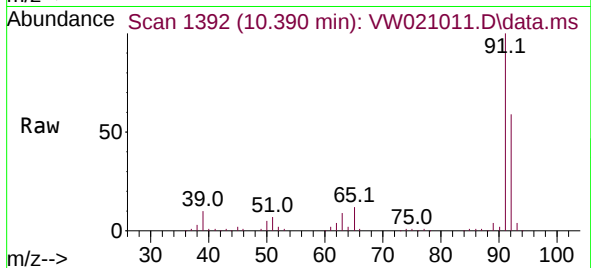




#42
Toluene
Concen: 24.459 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

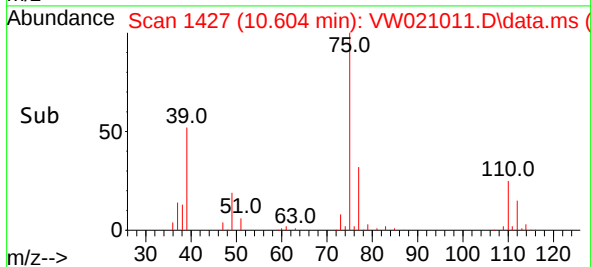
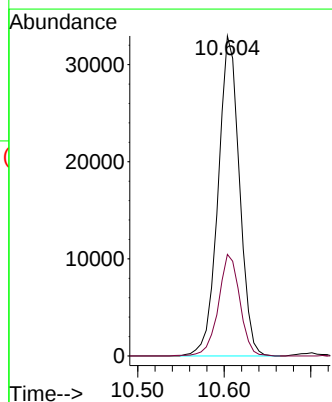
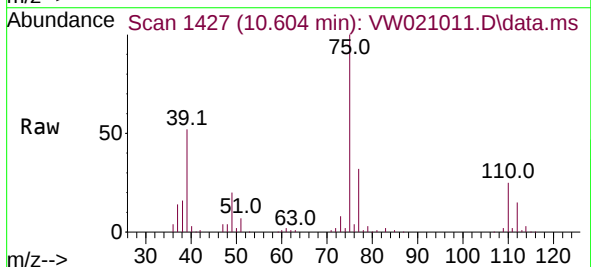
Instrument :
MSVOA_W
ClientSampleId :

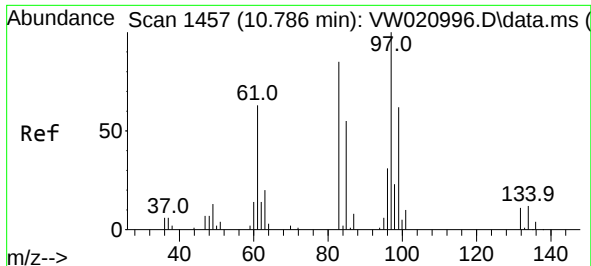
Tgt Ion: 91 Resp: 174847
Ion Ratio Lower Upper
91 100
92 58.9 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 26.225 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. -0.006 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 75 Resp: 56286
Ion Ratio Lower Upper
75 100
77 31.8 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 26.699 ug/L

RT: 10.787 min Scan# 14

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 30714

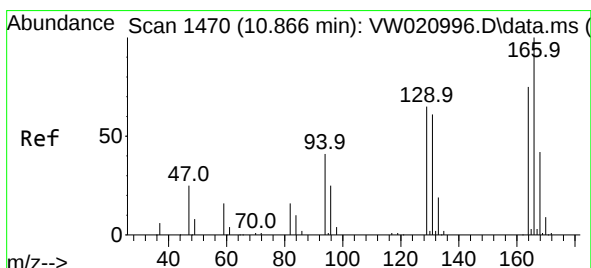
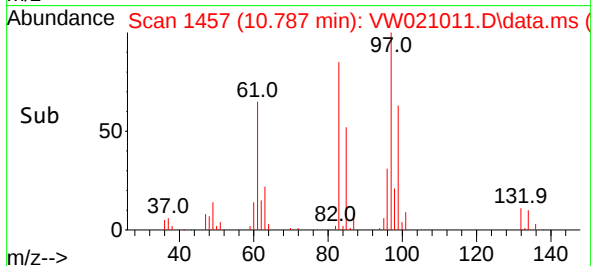
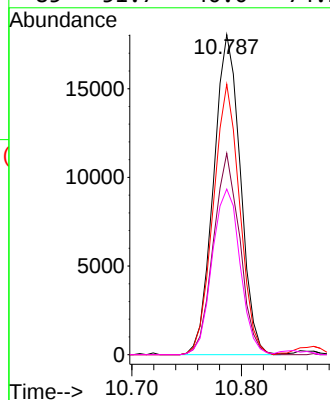
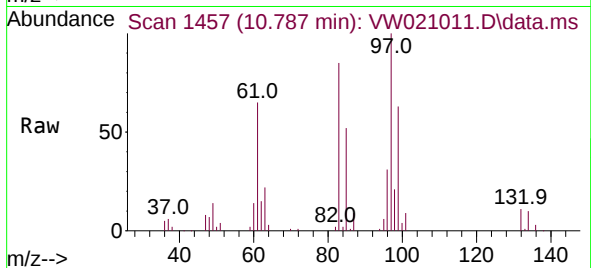
Ion Ratio Lower Upper

97 100

99 62.9 43.0 79.8

83 84.5 62.6 116.3

85 51.7 40.0 74.2



#46

Tetrachloroethene

Concen: 22.502 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Tgt Ion:164 Resp: 36727

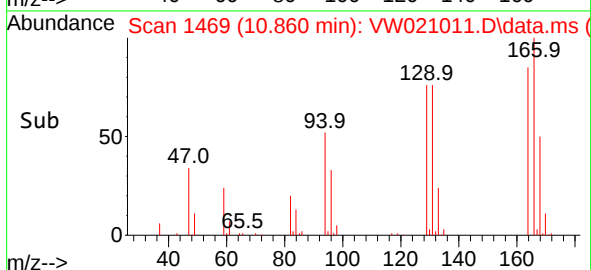
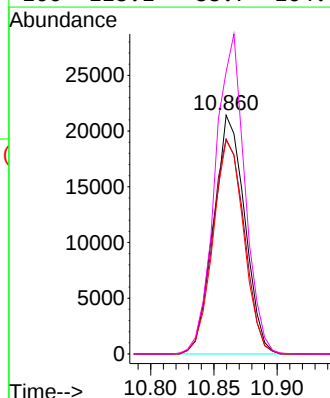
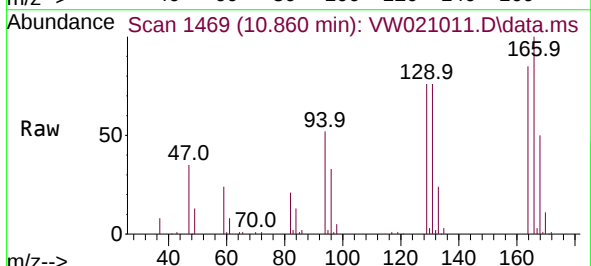
Ion Ratio Lower Upper

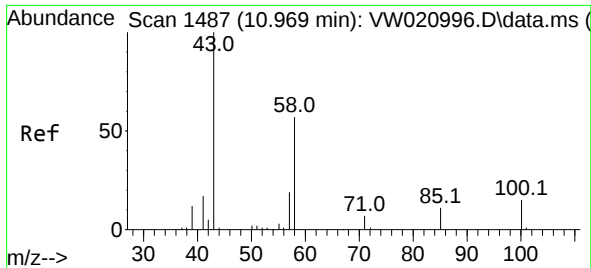
164 100

129 90.1 65.5 121.7

131 89.6 59.7 110.9

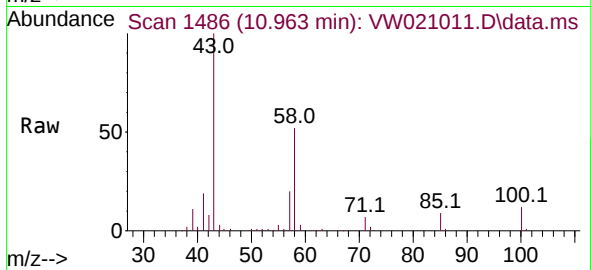
166 118.1 88.7 164.7



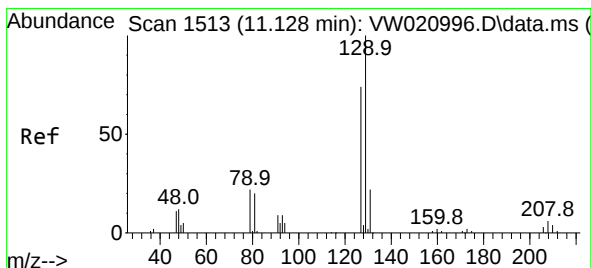
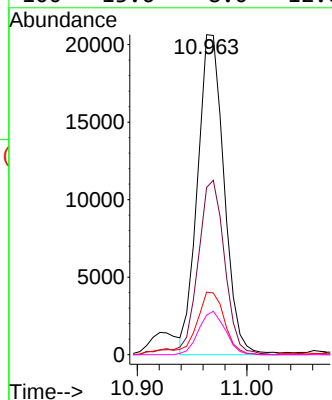
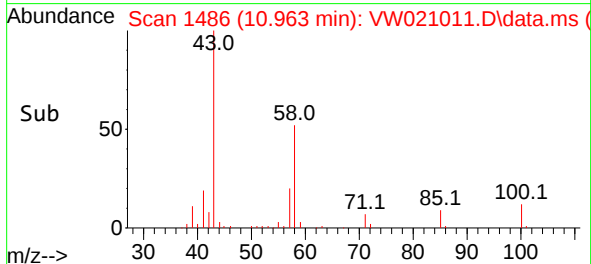


#48
2-Hexanone
Concen: 57.024 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Instrument :
MSVOA_W
ClientSampleId :

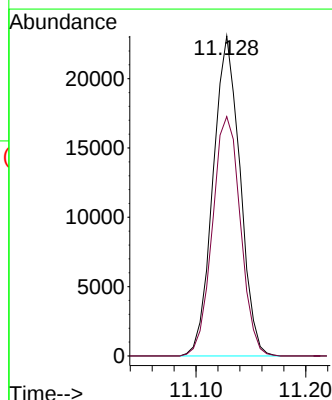
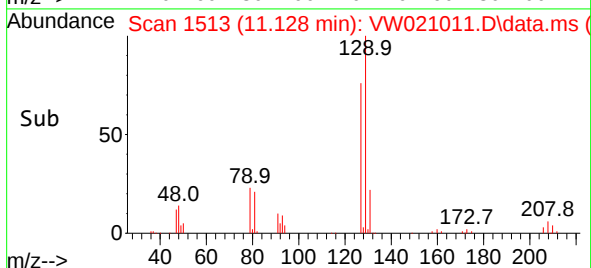
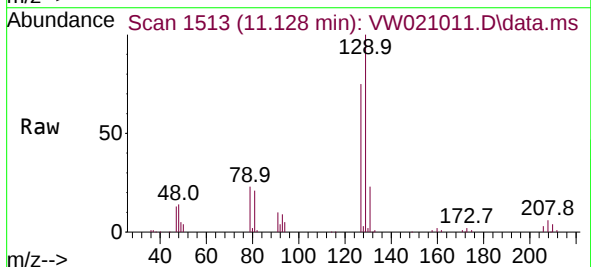


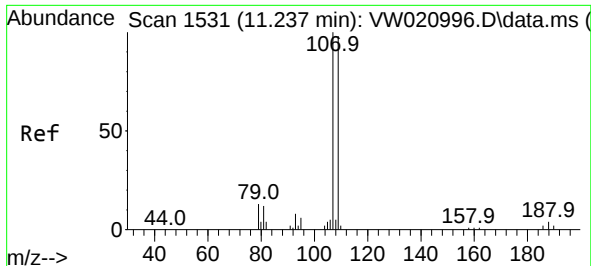
Tgt Ion: 43 Resp: 34774
Ion Ratio Lower Upper
43 100
58 54.1 40.2 60.2
57 20.1 14.3 21.5
100 13.6 8.0 12.0#



#49
Dibromochloromethane
Concen: 24.878 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 129 Resp: 39456
Ion Ratio Lower Upper
129 100
127 74.8 55.7 103.5





#50

1,2-Dibromoethane

Concen: 26.484 ug/L

RT: 11.232 min Scan# 1

Delta R.T. -0.006 min

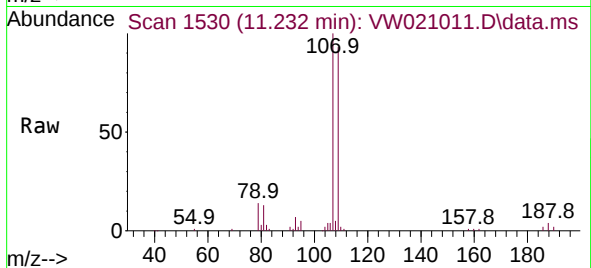
Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

ClientSampleId :



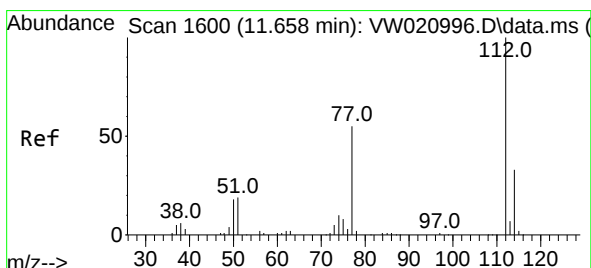
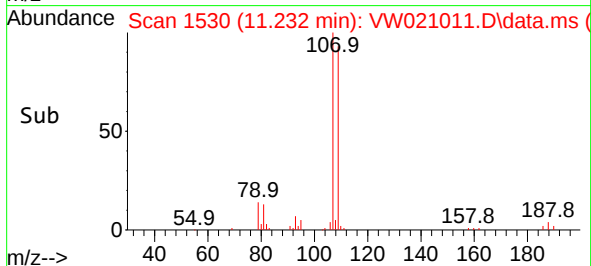
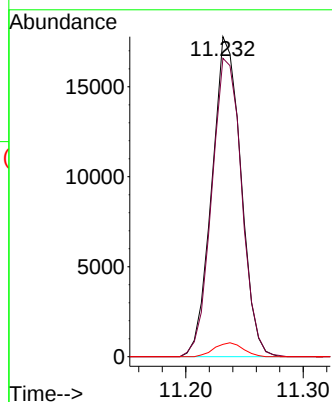
Tgt Ion:107 Resp: 30545

Ion Ratio Lower Upper

107 100

109 93.3 64.1 119.1

188 3.8 2.6 3.8#



#51

Chlorobenzene

Concen: 25.006 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

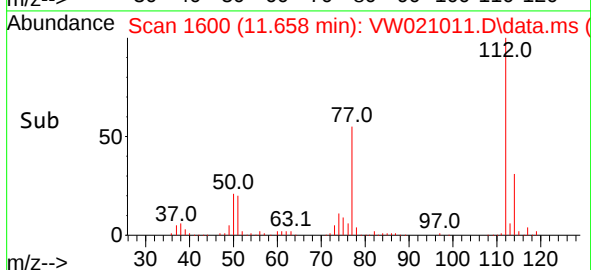
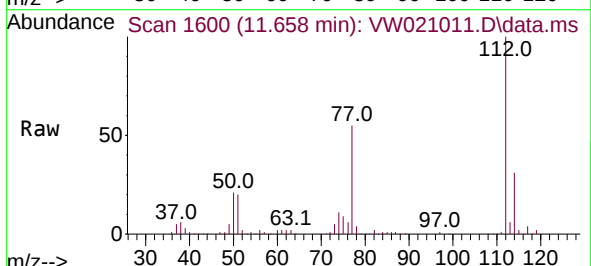
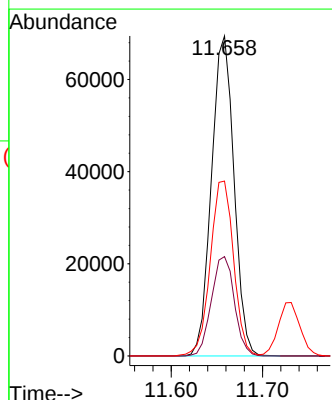
Tgt Ion:112 Resp: 118890

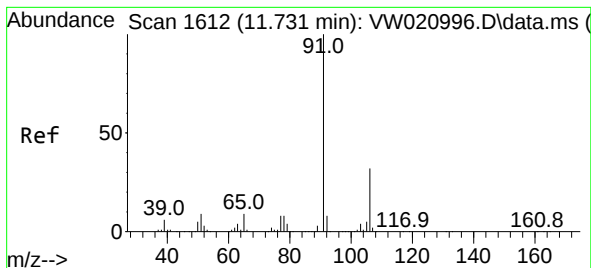
Ion Ratio Lower Upper

112 100

114 31.0 22.4 41.6

77 54.6 50.2 75.4

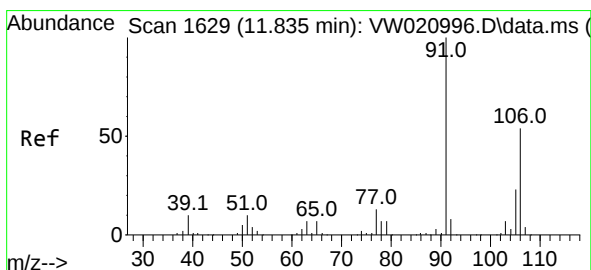
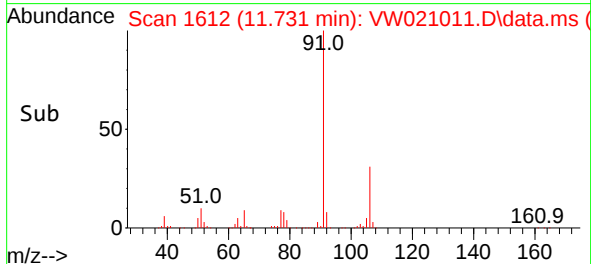
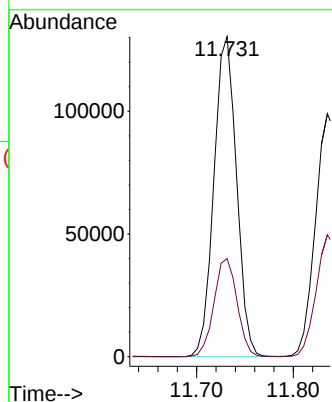
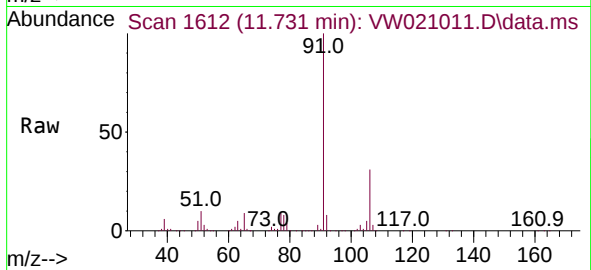




#52
Ethylbenzene
Concen: 26.716 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

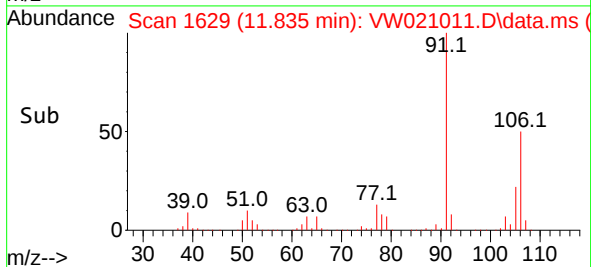
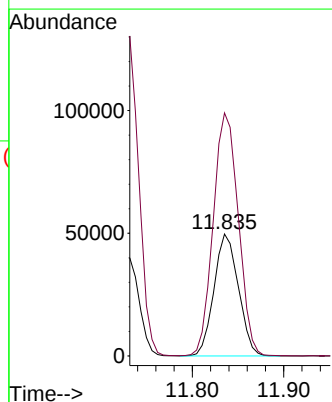
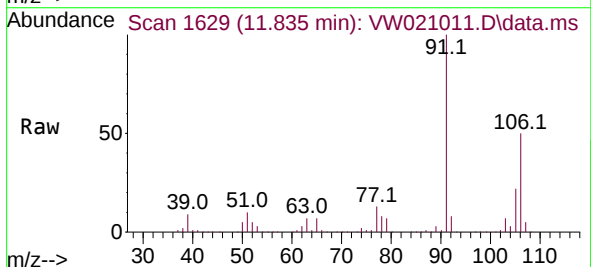
Instrument :
MSVOA_W
ClientSampleId :

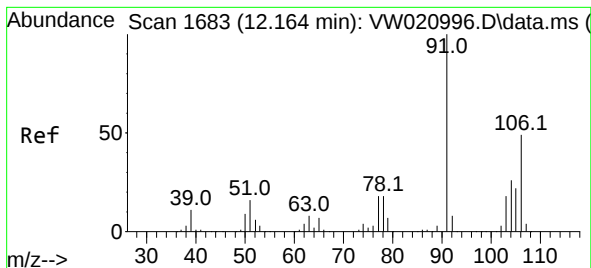
Tgt Ion: 91 Resp: 211627
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#53
m,p-Xylene
Concen: 28.519 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion:106 Resp: 92233
Ion Ratio Lower Upper
106 100
91 199.3 149.9 278.3





#54

o-Xylene

Concen: 25.122 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

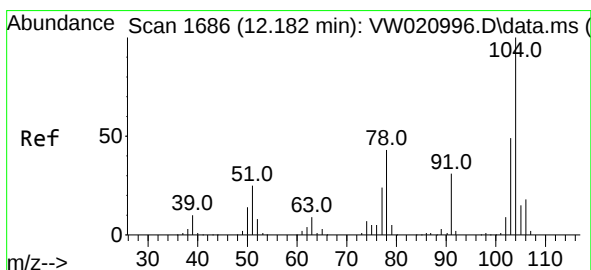
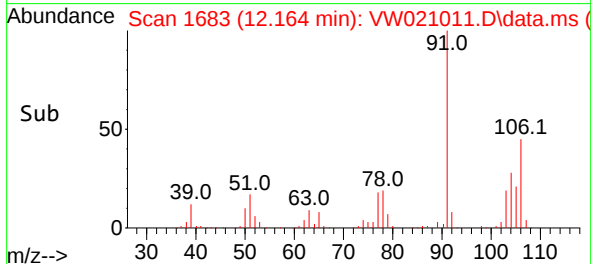
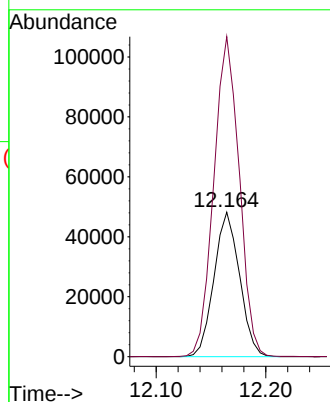
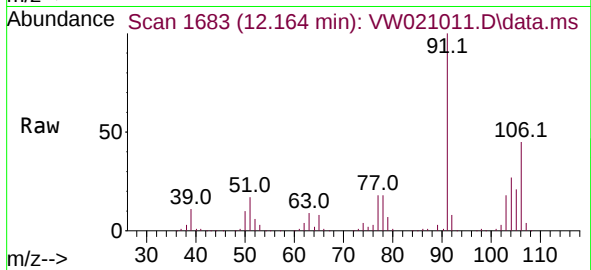
ClientSampleId :

Tgt Ion:106 Resp: 78030

Ion Ratio Lower Upper

106 100

91 221.4 153.6 285.3



#55

Styrene

Concen: 25.390 ug/L

RT: 12.183 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW021011.D

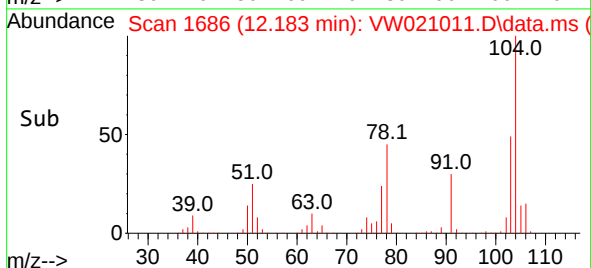
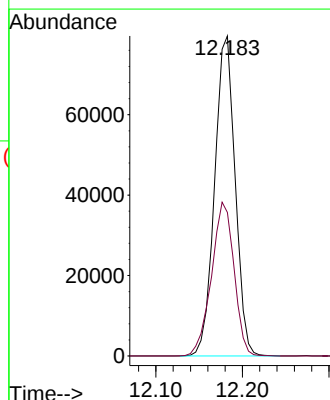
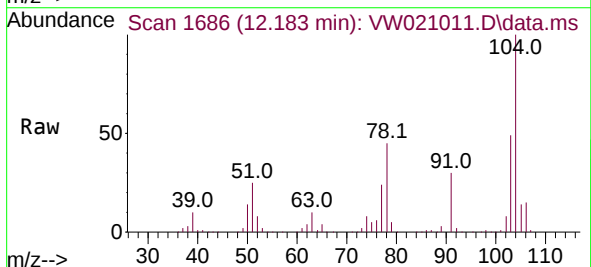
Acq: 01 Dec 2021 22:27

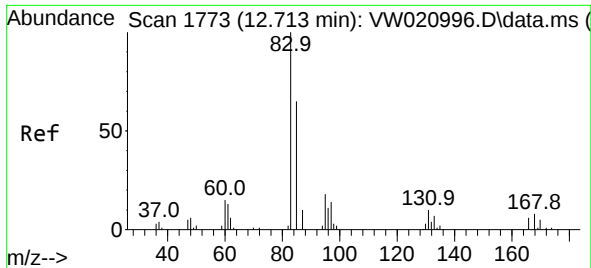
Tgt Ion:104 Resp: 130946

Ion Ratio Lower Upper

104 100

78 44.9 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 29.503 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021011.D

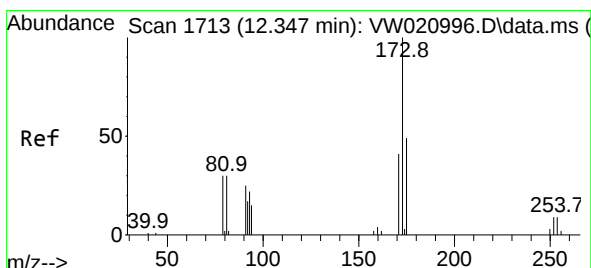
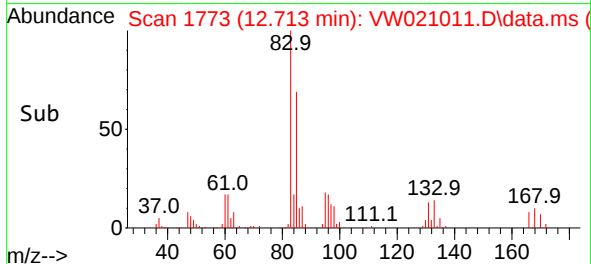
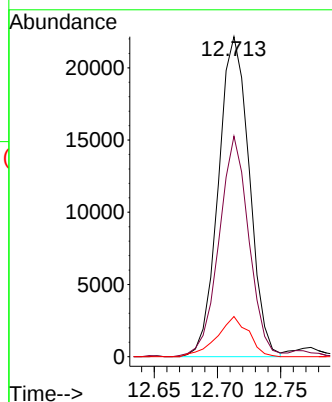
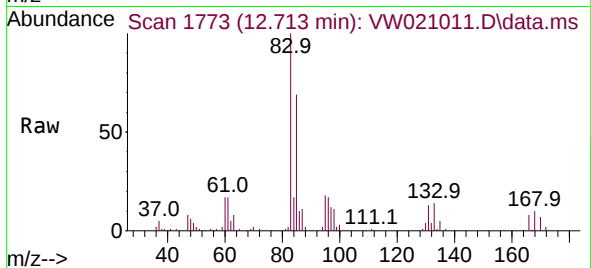
Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	37617
Ion Ratio	Lower	Upper	
83	100		
85	68.9	44.0	81.6
131	12.6	6.9	10.3#



#59

Bromoform

Concen: 23.674 ug/L

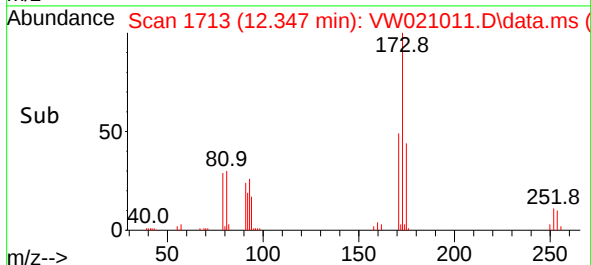
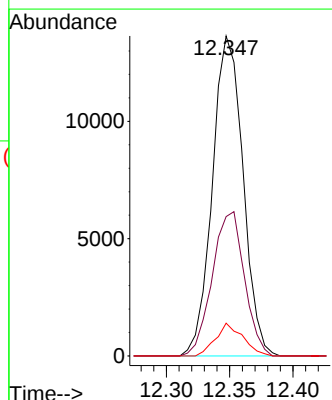
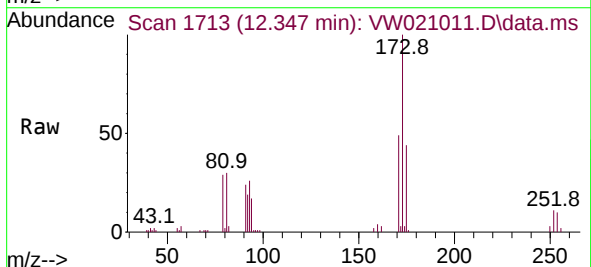
RT: 12.347 min Scan# 1713

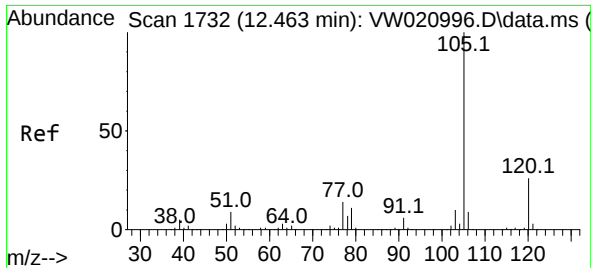
Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Tgt Ion:	173	Resp:	22964
Ion Ratio	Lower	Upper	
173	100		
175	47.3	39.6	59.4
254	9.1	7.4	11.0

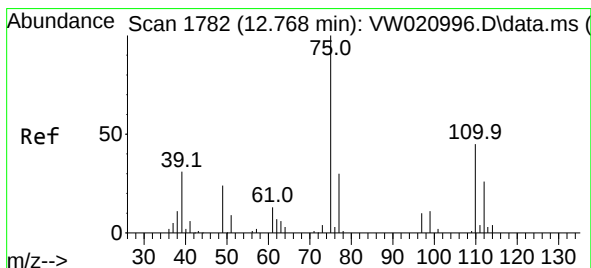
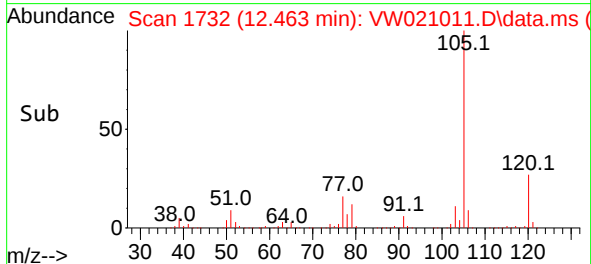
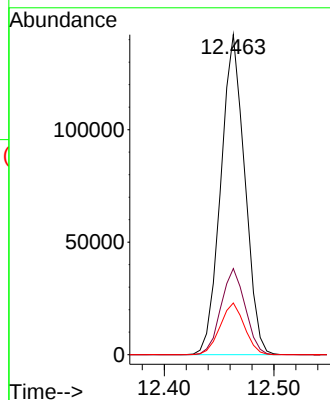
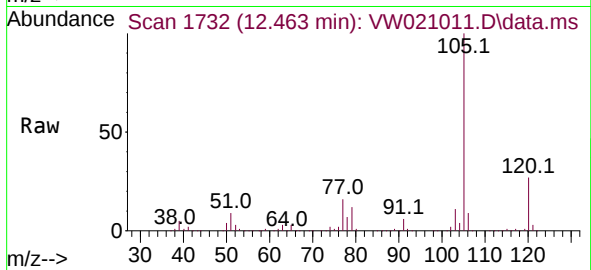




#60
Isopropylbenzene
Concen: 24.372 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

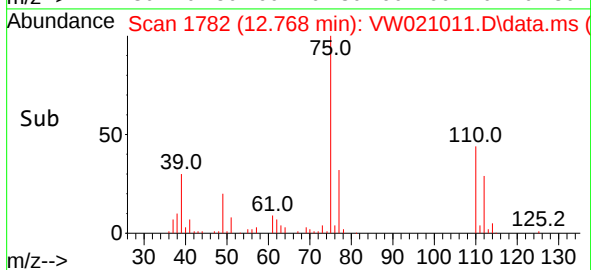
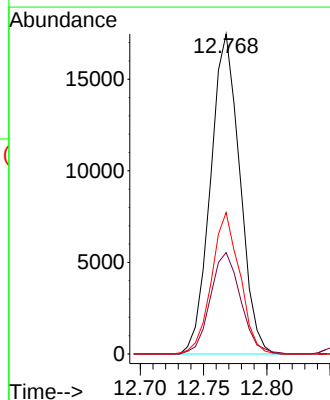
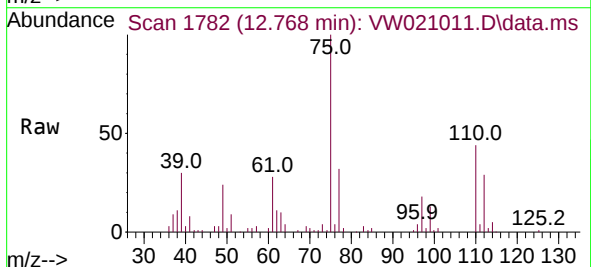
Instrument :
MSVOA_W
ClientSampleId :

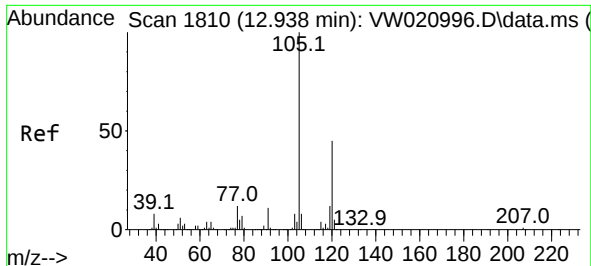
Tgt Ion:105 Resp: 215959
Ion Ratio Lower Upper
105 100
120 27.2 20.1 30.1
77 16.4 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 29.429 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW021011.D
Acq: 01 Dec 2021 22:27

Tgt Ion: 75 Resp: 28083
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.8
110 42.7 29.0 43.4





#62

1,3,5-Trimethylbenzene

Concen: 25.732 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

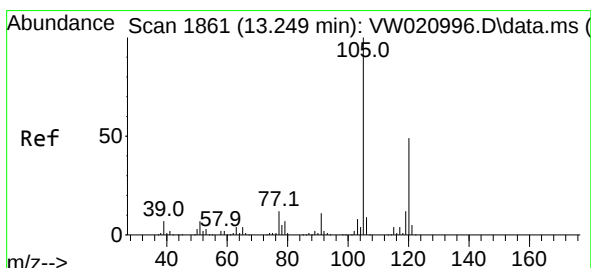
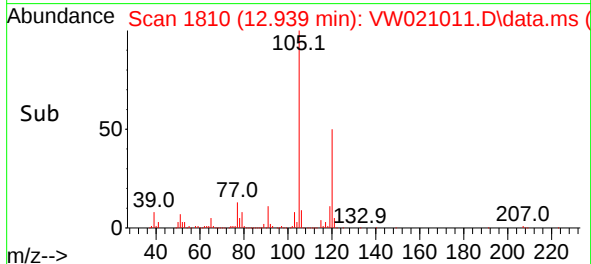
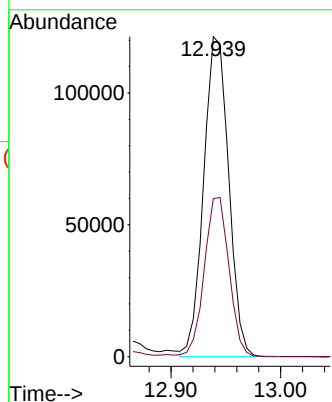
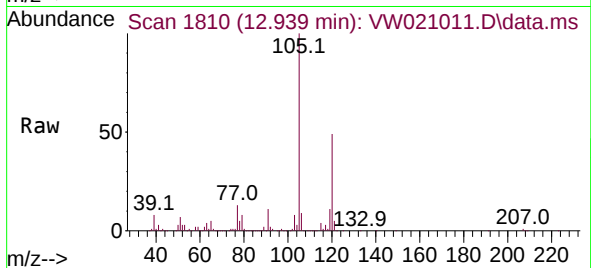
ClientSampleId :

Tgt Ion:105 Resp: 192345

Ion Ratio Lower Upper

105 100

120 49.3 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 27.505 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW021011.D

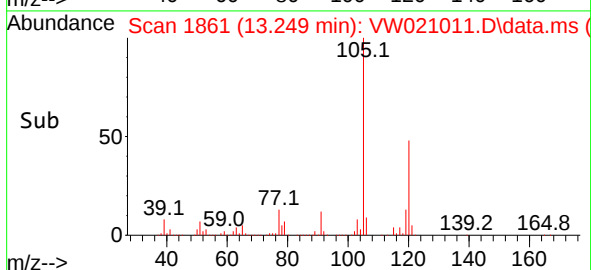
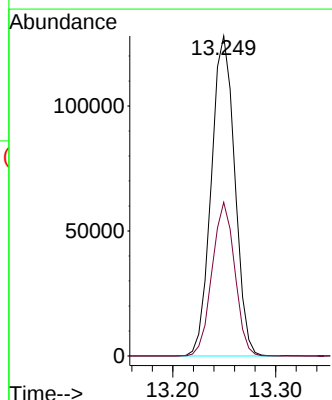
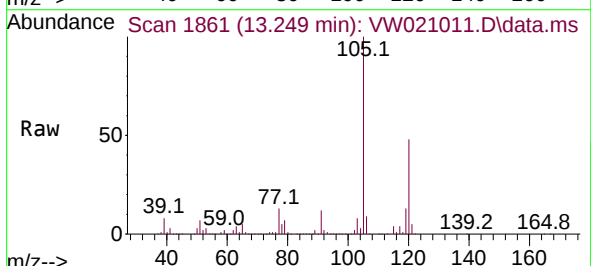
Acq: 01 Dec 2021 22:27

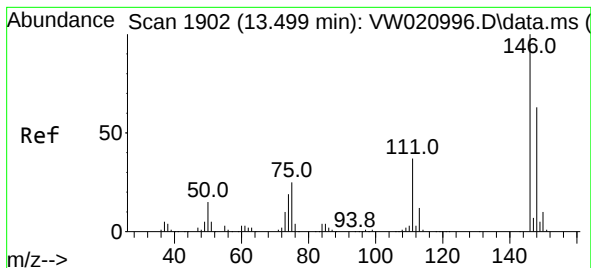
Tgt Ion:105 Resp: 202851

Ion Ratio Lower Upper

105 100

120 46.3 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 23.641 ug/L

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

ClientSampleId :

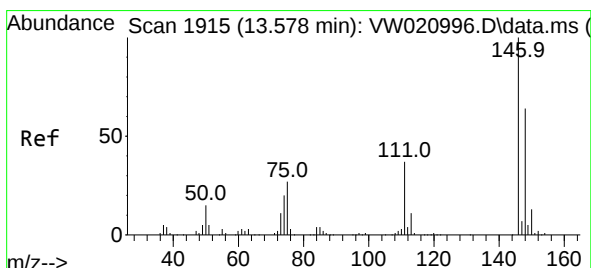
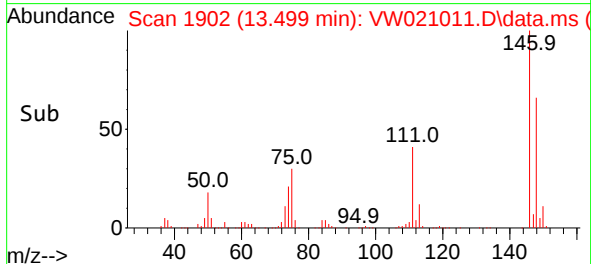
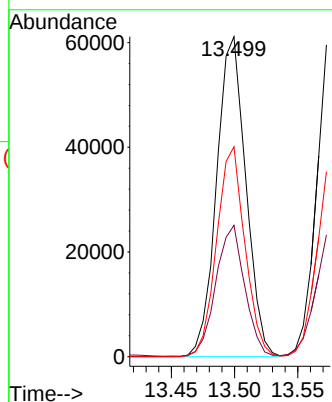
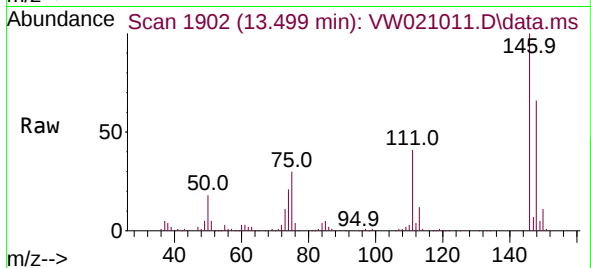
Tgt Ion:146 Resp: 98213

Ion Ratio Lower Upper

146 100

111 41.1 29.8 55.3

148 65.6 46.2 85.8



#65

1,4-Dichlorobenzene

Concen: 23.413 ug/L

RT: 13.573 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

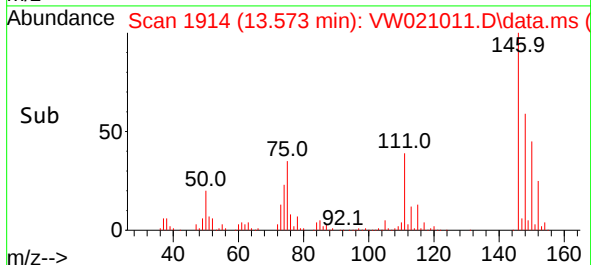
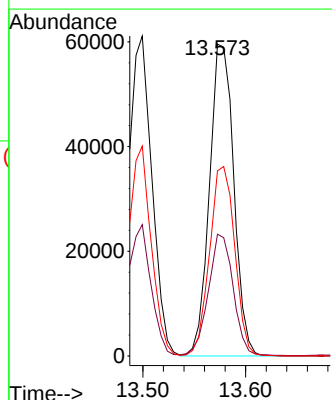
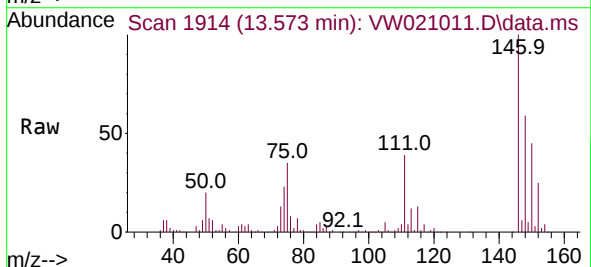
Tgt Ion:146 Resp: 98117

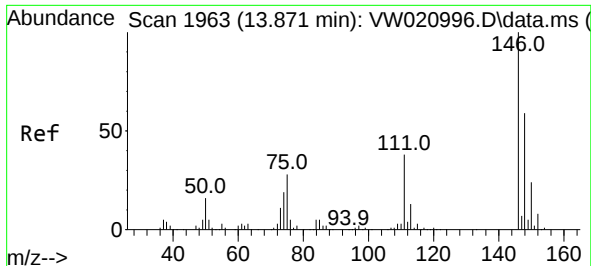
Ion Ratio Lower Upper

146 100

111 39.0 29.0 53.9

148 59.3 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 23.995 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

ClientSampleId :

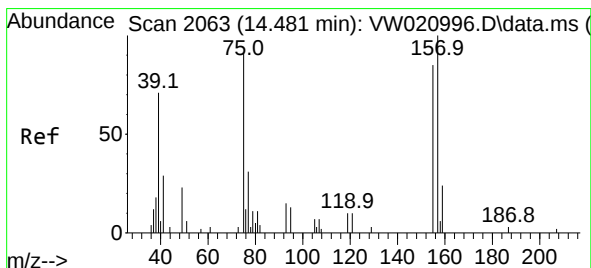
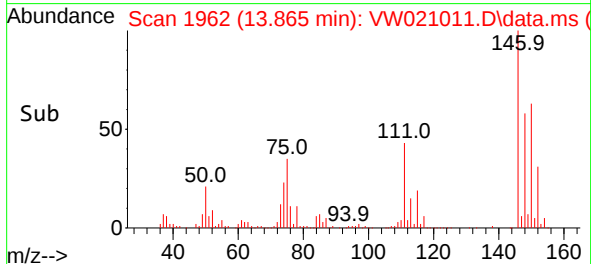
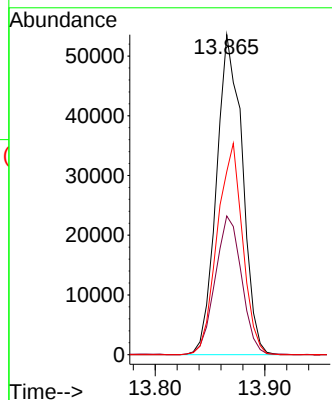
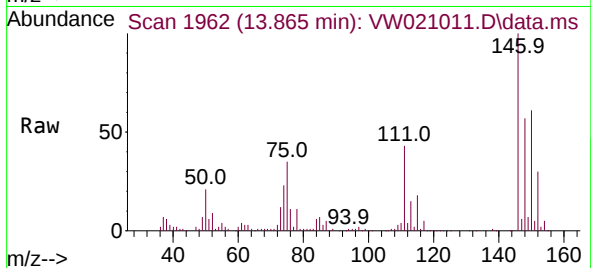
Tgt Ion:146 Resp: 87840

Ion Ratio Lower Upper

146 100

111 43.3 33.1 49.7

148 57.2 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 28.912 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

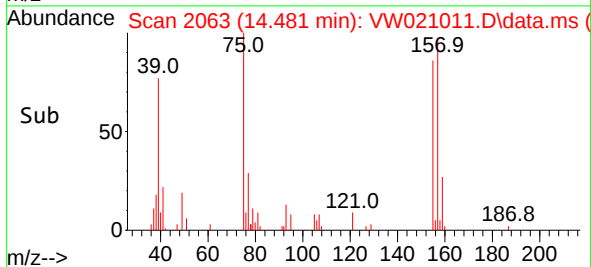
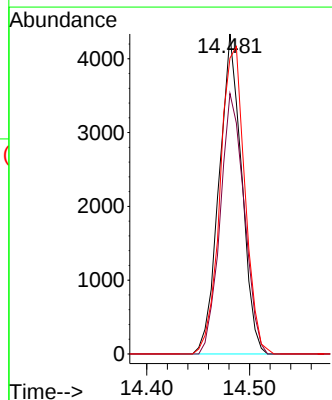
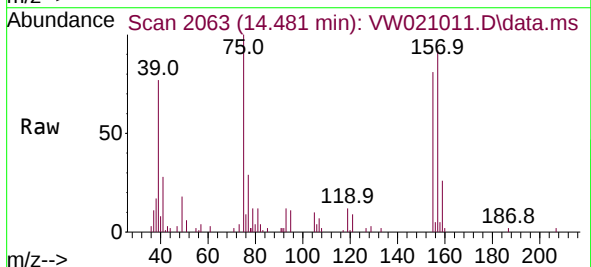
Tgt Ion: 75 Resp: 6596

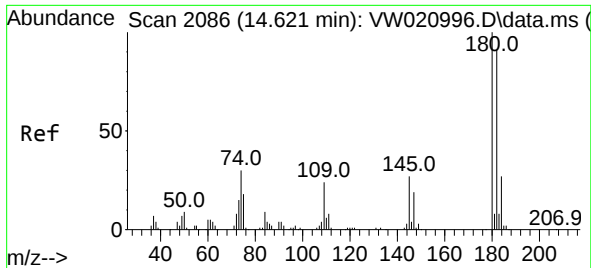
Ion Ratio Lower Upper

75 100

155 81.4 54.2 81.2#

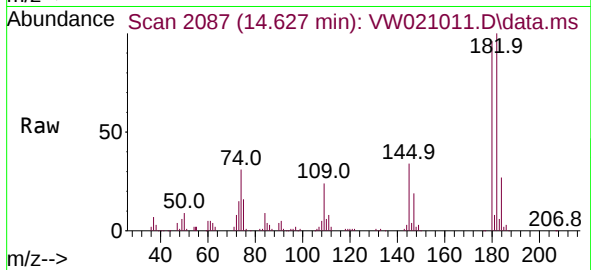
157 92.5 69.4 104.2



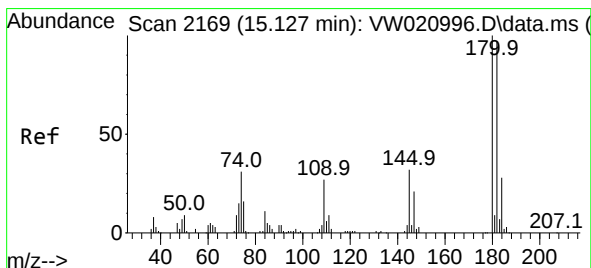
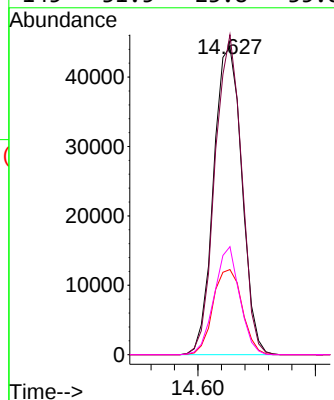
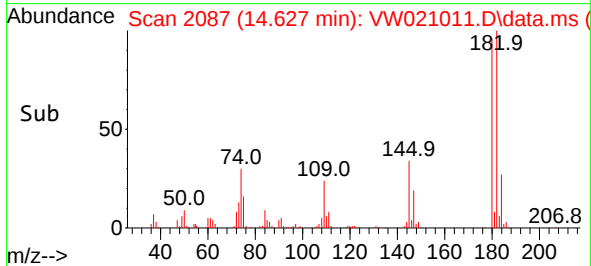


#69
 1,3,5-Trichlorobenzene
 Concen: 22.546 ug/L
 RT: 14.627 min Scan# 2086
 Delta R.T. 0.006 min
 Lab File: VW021011.D
 Acq: 01 Dec 2021 22:27

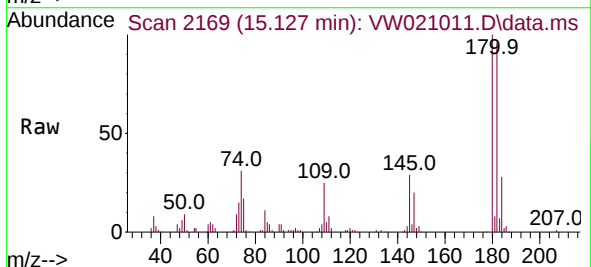
Instrument :
 MSVOA_W
 ClientSampleId :



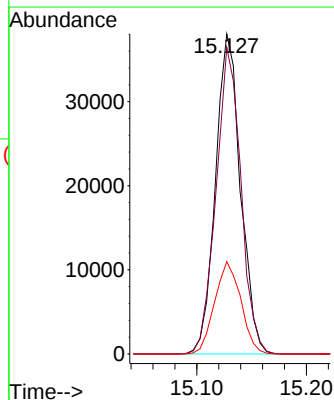
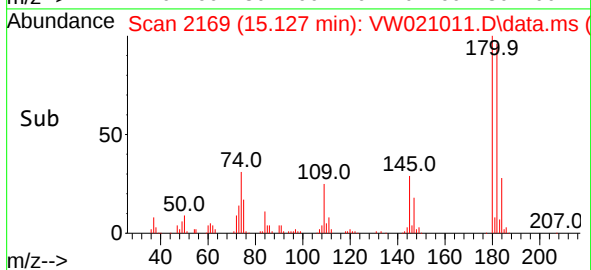
Tgt Ion:180 Resp: 74184
 Ion Ratio Lower Upper
 180 100
 182 97.8 75.4 113.0
 184 28.5 23.8 35.8
 145 31.5 23.8 35.8

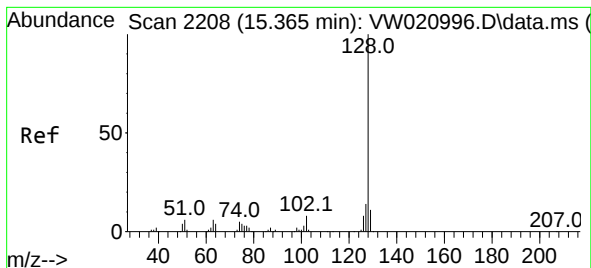


#70
 1,2,4-trichlorobenzene
 Concen: 22.407 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. 0.000 min
 Lab File: VW021011.D
 Acq: 01 Dec 2021 22:27



Tgt Ion:180 Resp: 60316
 Ion Ratio Lower Upper
 180 100
 182 95.4 79.0 118.6
 145 30.2 26.0 39.0





#71

Naphthalene

Concen: 26.936 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Instrument :

MSVOA_W

ClientSampleId :

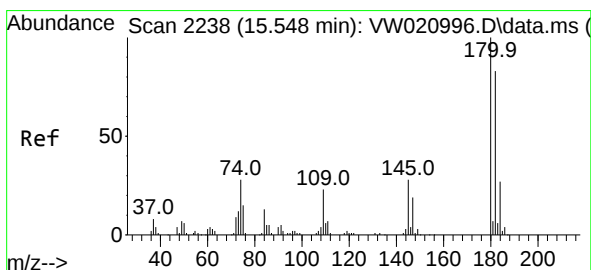
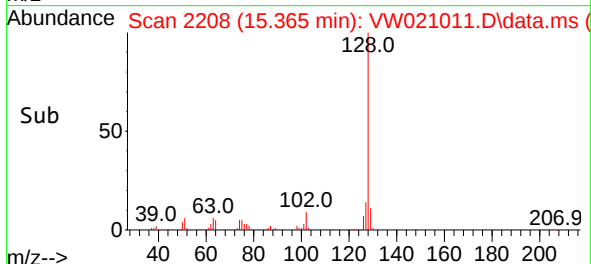
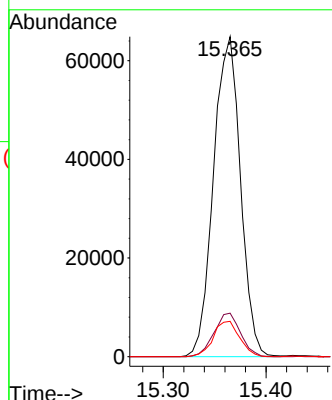
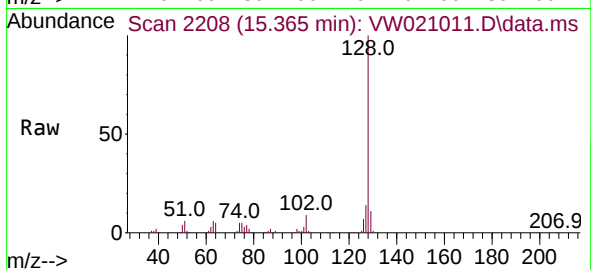
Tgt Ion:128 Resp: 118146

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 23.612 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW021011.D

Acq: 01 Dec 2021 22:27

Tgt Ion:180 Resp: 53636

Ion Ratio Lower Upper

180 100

182 92.6 76.6 114.8

145 32.1 27.4 41.0

