

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
 Data File : VW021237.D
 Acq On : 08 Dec 2021 18:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 08 23:03:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 08 22:58:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	120880	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	119840	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	73972	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	39511	23.460	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	93.840%		
7) Chloroethane-d5	2.885	69	29842	26.469	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	105.880%		
11) 1,1-Dichloroethene-d2	4.025	63	57033	21.198	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	84.800%		
21) 2-Butanone-d5	7.074	46	15234	39.656	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	79.320%		
24) Chloroform-d	7.653	84	67363	22.252	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	89.000%		
26) 1,2-Dichloroethane-d4	8.305	65	35488	21.428	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	85.720%		
32) Benzene-d6	8.275	84	123786	20.202	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	80.800%		
36) 1,2-Dichloropropane-d6	9.274	67	34101	20.026	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	80.120%		
41) Toluene-d8	10.323	98	125281	19.940	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	79.760%		
43) trans-1,3-Dichloroprop...	10.579	79	15662	20.256	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	81.040%		
47) 2-Hexanone-d5	10.920	63	12770	39.196	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	78.400%		
56) 1,1,2,2-Tetrachloroeth...	12.695	84	35981	22.840	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.360%		
66) 1,2-Dichlorobenzene-d4	13.853	152	55809	21.057	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	84.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	12482	21.140	ug/L	94
3) Chloromethane	2.215	50	33008	24.972	ug/L	99
5) Vinyl chloride	2.367	62	57208	24.913	ug/L	99
6) Bromomethane	2.782	94	35504	23.253	ug/L	97
8) Chloroethane	2.922	64	26782	27.985	ug/L	97
9) Trichlorofluoromethane	3.257	101	27370	24.685	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	37296	21.490	ug/L	91
12) 1,1-Dichloroethene	4.050	96	34046	21.699	ug/L	# 67
13) Acetone	4.129	43	11483	32.815	ug/L	93
14) Carbon disulfide	4.385	76	88345	20.285	ug/L	98
15) Methyl Acetate	4.678	43	11672	18.396	ug/L	# 86
16) Methylene chloride	4.915	84	35508	18.645	ug/L	78
17) trans-1,2-Dichloroethene	5.434	96	35539	21.273	ug/L	82
18) Methyl tert-butyl Ether	5.434	73	51481	20.417	ug/L	# 85
19) 1,1-Dichloroethane	6.220	63	56594	21.364	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	37925	21.398	ug/L	78
22) 2-Butanone	7.177	43	16576	34.230	ug/L	# 52
23) Bromochloromethane	7.519	128	17943	21.637	ug/L	# 68
25) Chloroform	7.677	83	64834	21.803	ug/L	96

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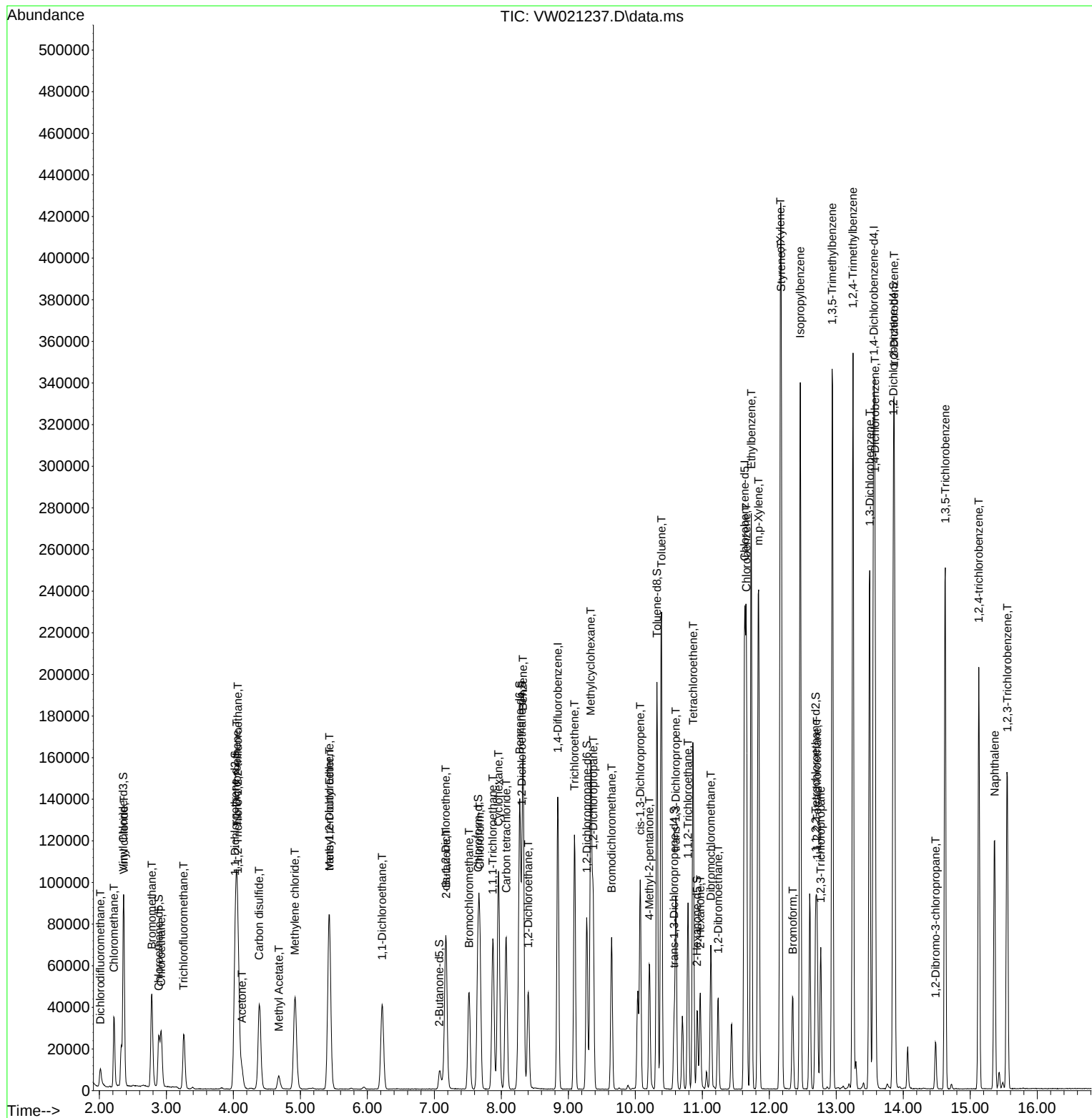
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	42166	21.677	ug/L #	95
29) Cyclohexane	7.958	56	53035	20.061	ug/L #	82
30) 1,1,1-Trichloroethane	7.872	97	57835	20.698	ug/L	95
31) Carbon tetrachloride	8.073	117	54027	20.808	ug/L	99
33) Benzene	8.323	78	137001	20.103	ug/L	100
34) Trichloroethene	9.092	95	38204	20.320	ug/L	89
35) Methylcyclohexane	9.335	83	64304	20.319	ug/L	85
37) 1,2-Dichloropropane	9.372	63	31057	20.163	ug/L #	95
38) Bromodichloromethane	9.646	83	44925	20.748	ug/L #	98
39) cis-1,3-Dichloropropene	10.073	75	51511	20.675	ug/L	97
40) 4-Methyl-2-pentanone	10.207	43	37707	35.935	ug/L #	92
42) Toluene	10.390	91	165484	21.260	ug/L	95
44) trans-1,3-Dichloropropene	10.603	75	46150	20.474	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	26487	20.511	ug/L	95
46) Tetrachloroethene	10.866	164	38114	22.139	ug/L	87
48) 2-Hexanone	10.969	43	28263	37.338	ug/L #	95
49) Dibromochloromethane	11.128	129	34065	21.106	ug/L	96
50) 1,2-Dibromoethane	11.237	107	27334	20.756	ug/L #	94
51) Chlorobenzene	11.658	112	112233	21.579	ug/L	93
52) Ethylbenzene	11.731	91	192973	22.022	ug/L	98
53) m,p-Xylene	11.841	106	80435	22.189	ug/L	84
54) o-Xylene	12.164	106	78075	22.844	ug/L	87
55) Styrene	12.176	104	133417	22.911	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.713	83	34314	22.092	ug/L #	99
59) Bromoform	12.353	173	20186	19.135	ug/L	97
60) Isopropylbenzene	12.463	105	214393	20.855	ug/L	96
61) 1,2,3-Trichloropropane	12.768	75	25218	20.351	ug/L #	92
62) 1,3,5-Trimethylbenzene	12.938	105	183532	21.318	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	182955	21.130	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	98551	20.359	ug/L	95
65) 1,4-Dichlorobenzene	13.579	146	103166	21.088	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	96796	22.459	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	5052	18.055	ug/L #	75
69) 1,3,5-Trichlorobenzene	14.627	180	77751	21.855	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	63912	21.863	ug/L	94
71) Naphthalene	15.365	128	105096	19.339	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	51971	20.371	ug/L	97

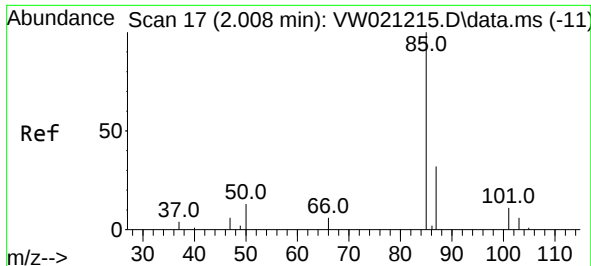
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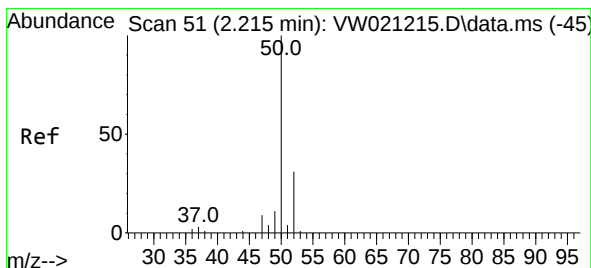
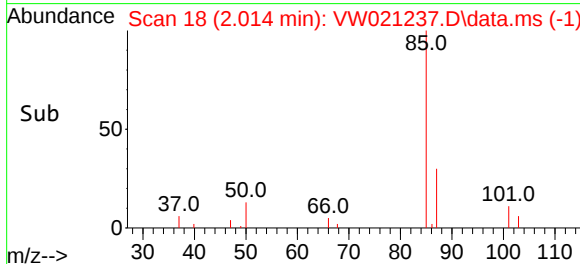
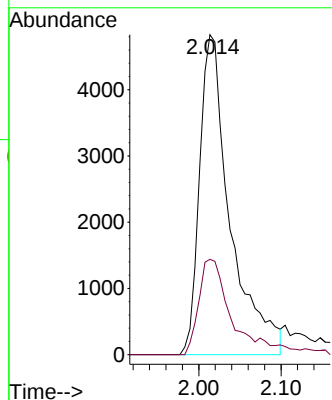
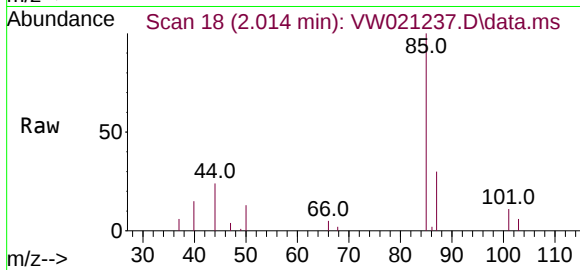




#2
 Dichlorodifluoromethane
 Concen: 21.140 ug/L
 RT: 2.014 min Scan# 17
 Delta R.T. 0.006 min
 Lab File: VW021237.D
 Acq: 08 Dec 2021 18:32

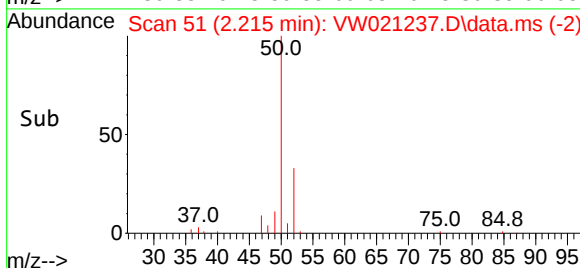
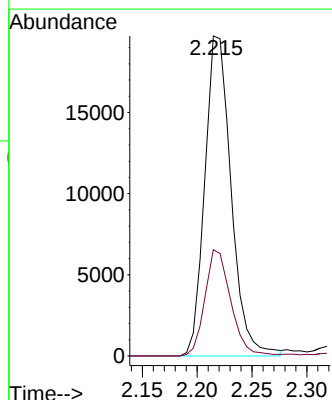
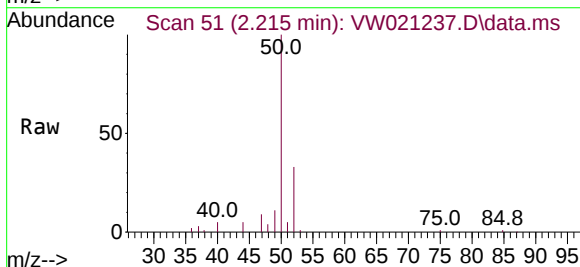
Instrument :
 MSVOA_W
 ClientSampleId :

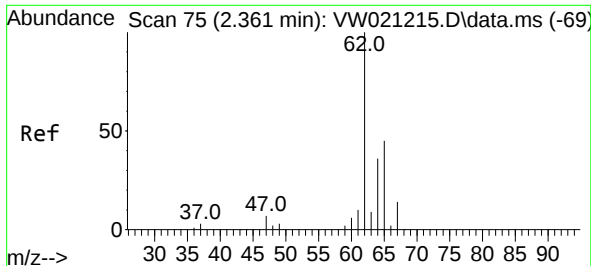
Tgt Ion: 85 Resp: 12482
 Ion Ratio Lower Upper
 85 100
 87 28.9 25.8 38.6



#3
 Chloromethane
 Concen: 24.972 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW021237.D
 Acq: 08 Dec 2021 18:32

Tgt Ion: 50 Resp: 33008
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.4 43.6

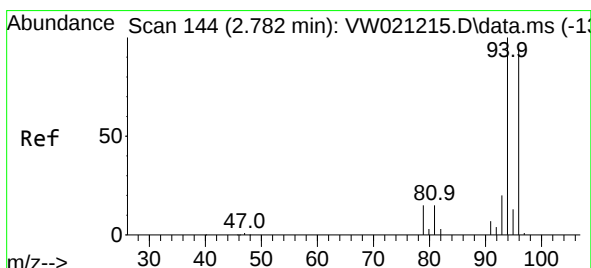
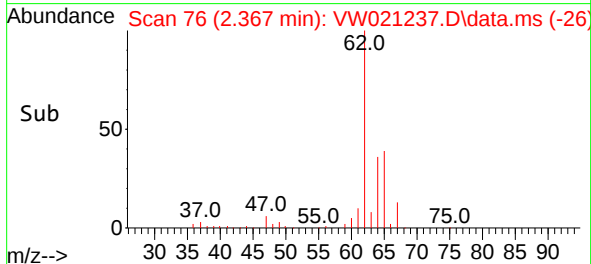
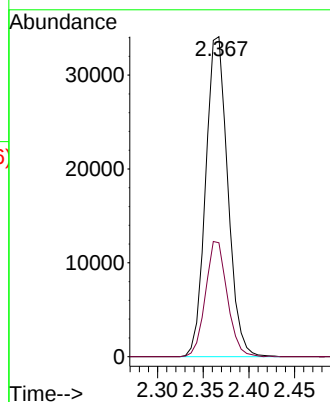
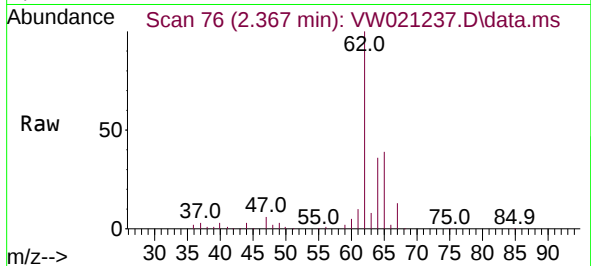




#5
 Vinyl chloride
 Concen: 24.913 ug/L
 RT: 2.367 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VW021237.D
 Acq: 08 Dec 2021 18:32

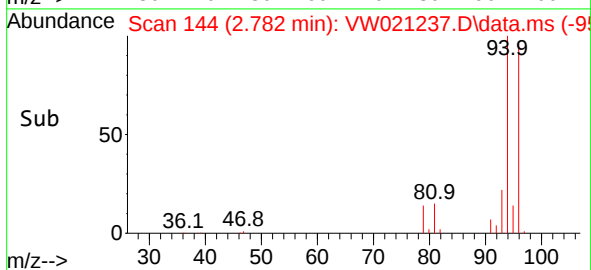
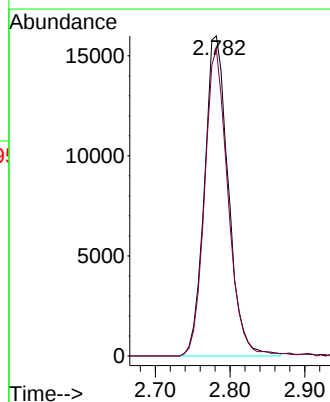
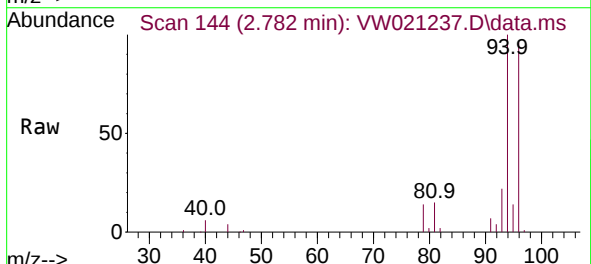
Instrument :
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 ClientSampleId :

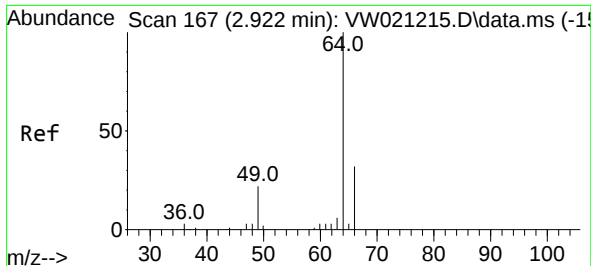
Tgt Ion: 62 Resp: 57208
 Ion Ratio Lower Upper
 62 100
 64 35.6 24.4 45.2



#6
 Bromomethane
 Concen: 23.253 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. -0.000 min
 Lab File: VW021237.D
 Acq: 08 Dec 2021 18:32

Tgt Ion: 94 Resp: 35504
 Ion Ratio Lower Upper
 94 100
 96 95.9 64.8 120.4





#8

Chloroethane

Concen: 27.985 ug/L

RT: 2.922 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

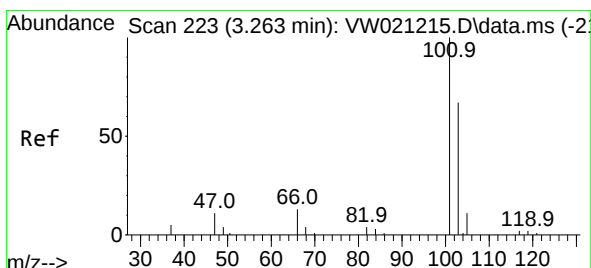
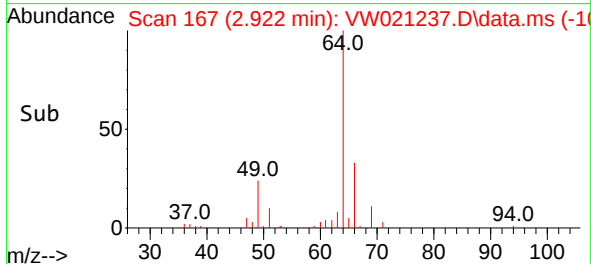
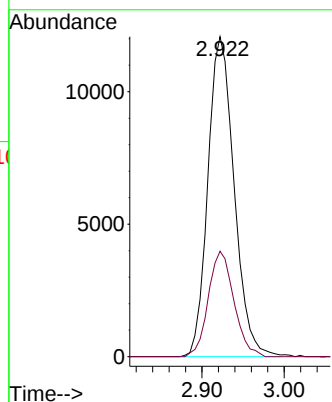
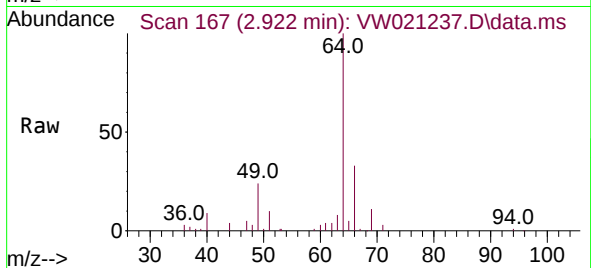
ClientSampleId :

Tgt Ion: 64 Resp: 26782

Ion Ratio Lower Upper

64 100

66 32.9 22.0 40.8



#9

Trichlorofluoromethane

Concen: 24.685 ug/L

RT: 3.257 min Scan# 222

Delta R.T. -0.006 min

Lab File: VW021237.D

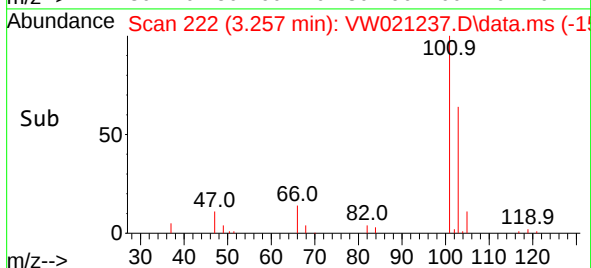
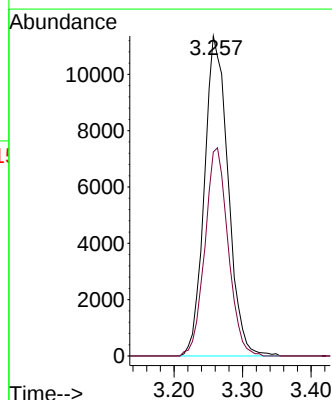
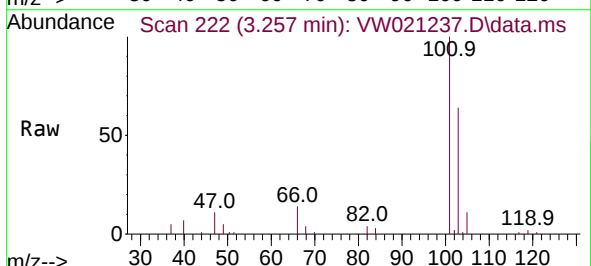
Acq: 08 Dec 2021 18:32

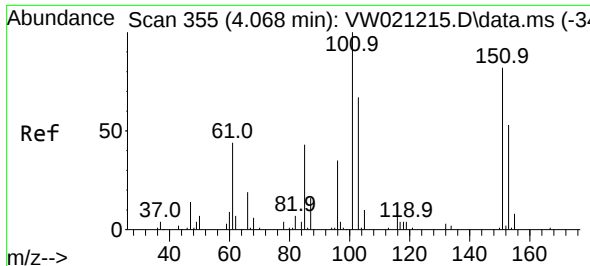
Tgt Ion: 101 Resp: 27370

Ion Ratio Lower Upper

101 100

103 63.7 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 21.490 ug/L

RT: 4.068 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

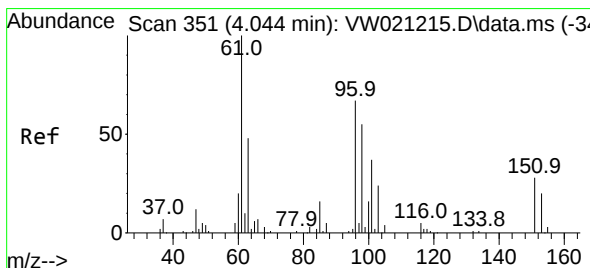
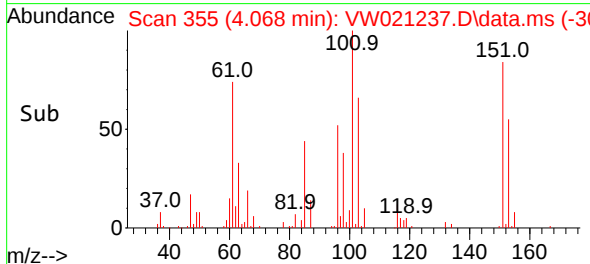
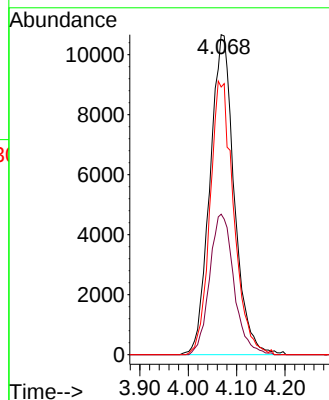
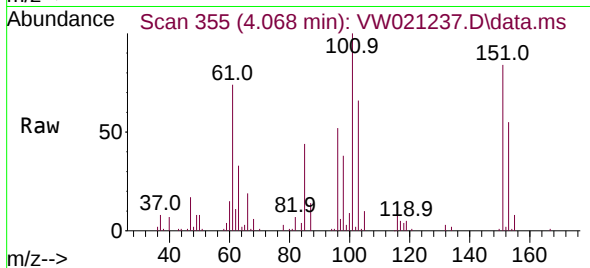
Tgt Ion:101 Resp: 37296

Ion Ratio Lower Upper

101 100

85 43.9 36.6 54.8

151 83.1 57.4 86.0



#12

1,1-Dichloroethene

Concen: 21.699 ug/L

RT: 4.050 min Scan# 352

Delta R.T. 0.006 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

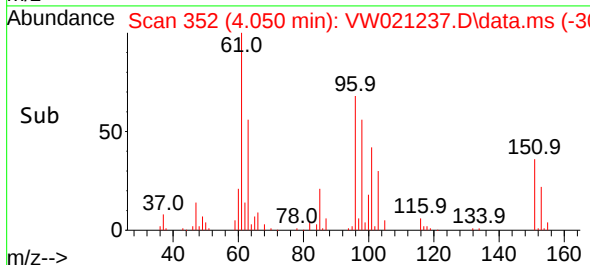
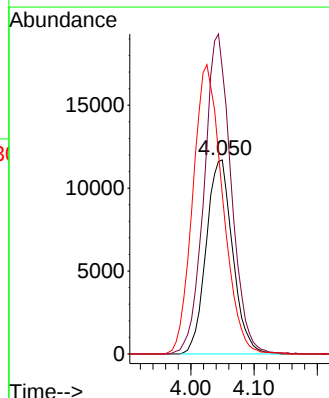
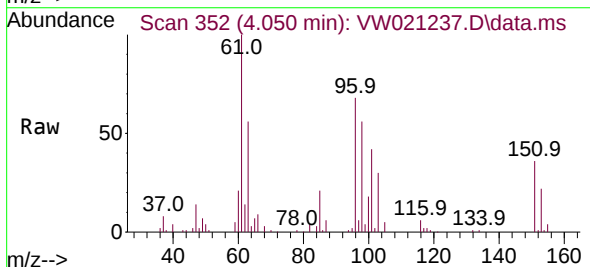
Tgt Ion: 96 Resp: 34046

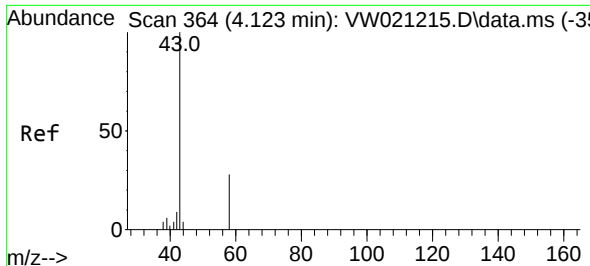
Ion Ratio Lower Upper

96 100

61 146.9 138.3 256.9

63 82.3 82.6 153.4#

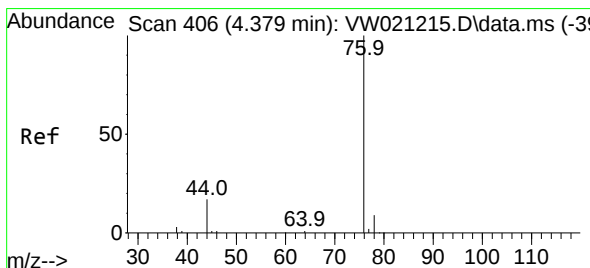
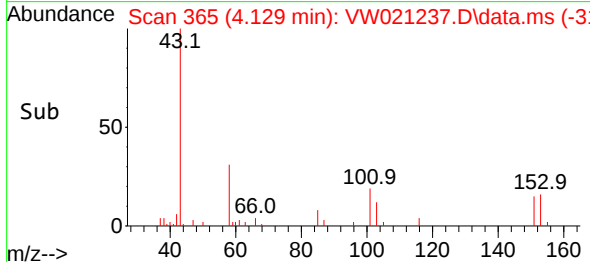
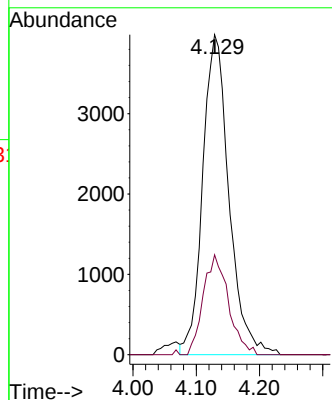
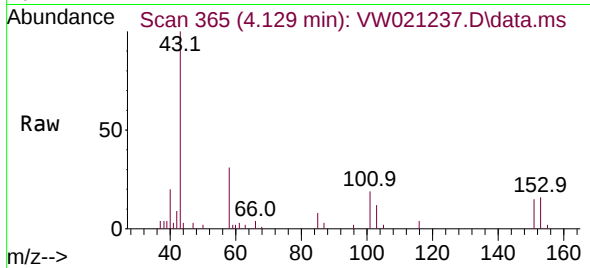




#13
Acetone
Concen: 32.815 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

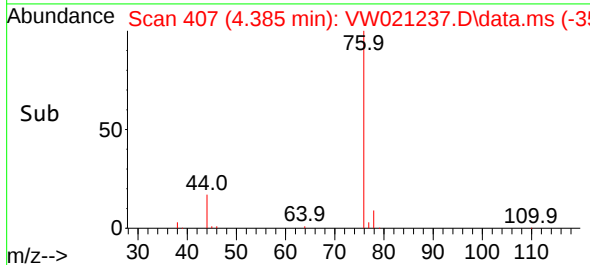
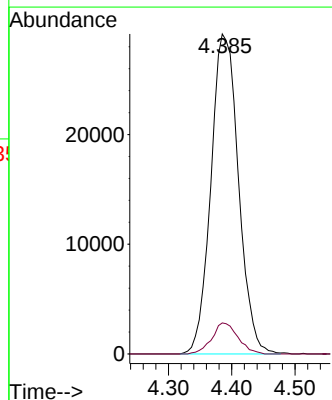
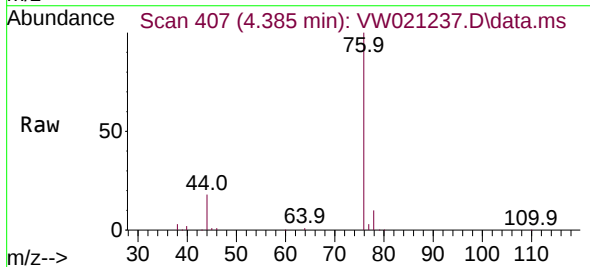
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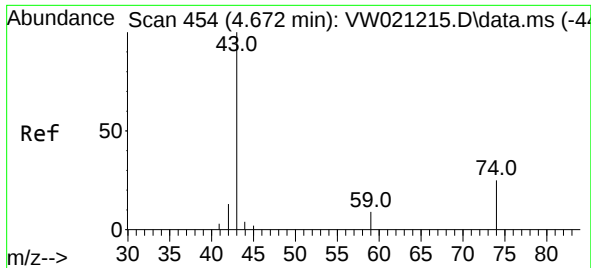
Tgt Ion: 43 Resp: 11483
Ion Ratio Lower Upper
43 100
58 30.0 0.0 52.8



#14
Carbon disulfide
Concen: 20.285 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.006 min
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Tgt Ion: 76 Resp: 88345
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7

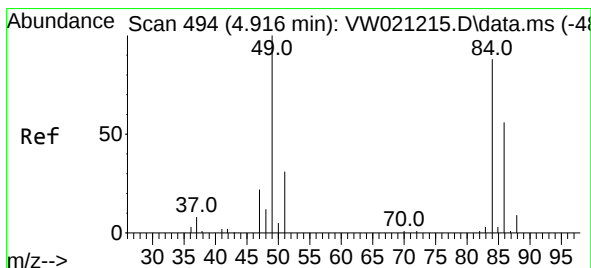
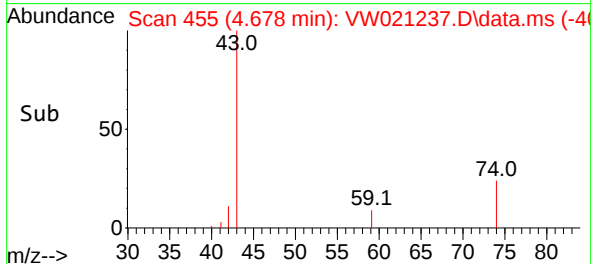
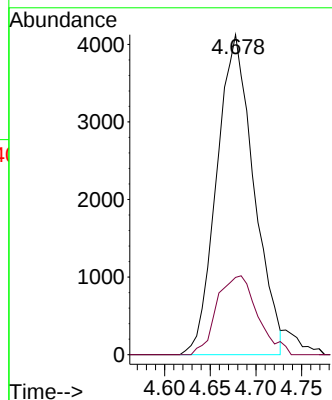
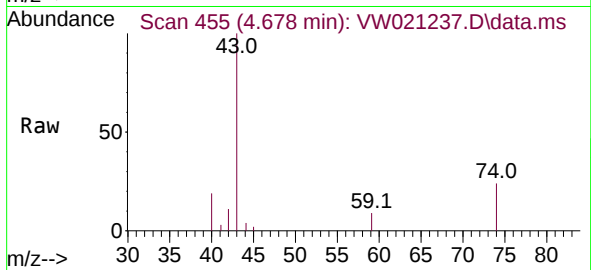




#15
Methyl Acetate
Concen: 18.396 ug/L
RT: 4.678 min Scan# 415
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

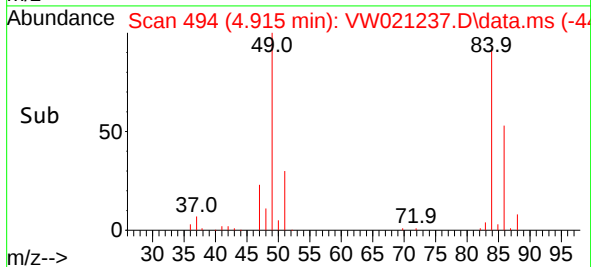
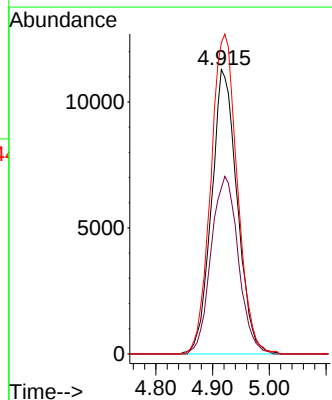
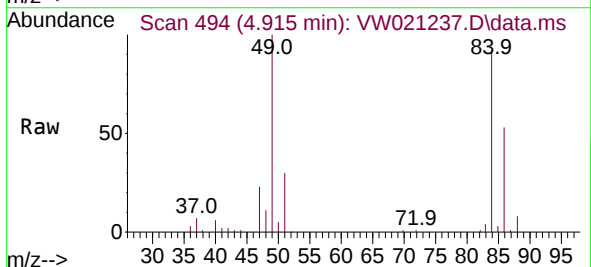
Instrument :
MSVOA_W
ClientSampleId :

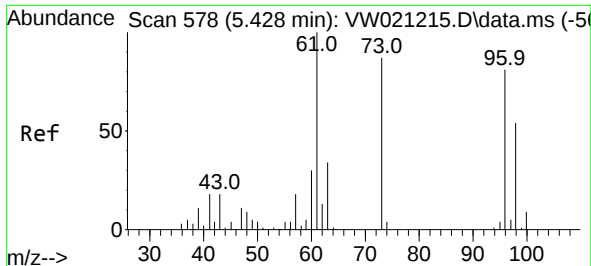
Tgt Ion: 43 Resp: 11672
Ion Ratio Lower Upper
43 100
74 26.9 16.4 24.6#



#16
Methylene chloride
Concen: 18.645 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion: 84 Resp: 35508
Ion Ratio Lower Upper
84 100
86 58.3 45.5 84.5
49 109.3 100.5 186.7





#17

trans-1,2-Dichloroethene

Concen: 21.273 ug/L

RT: 5.434 min Scan# 579

Delta R.T. 0.006 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

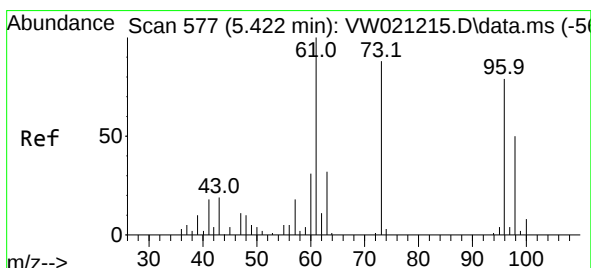
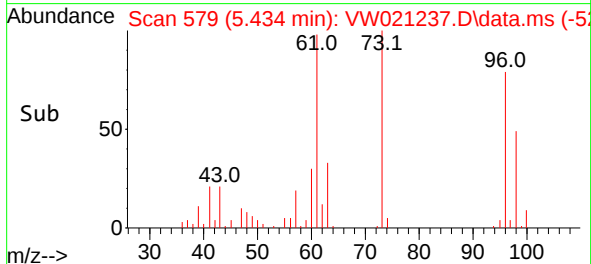
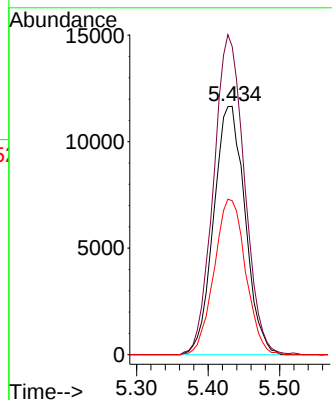
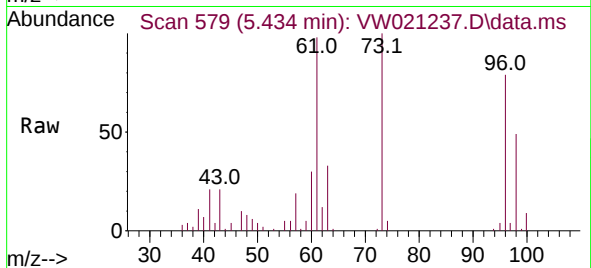
Tgt Ion: 96 Resp: 35539

Ion Ratio Lower Upper

96 100

61 124.1 107.4 199.4

98 62.0 41.2 76.6



#18

Methyl tert-butyl Ether

Concen: 20.417 ug/L

RT: 5.434 min Scan# 579

Delta R.T. 0.012 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

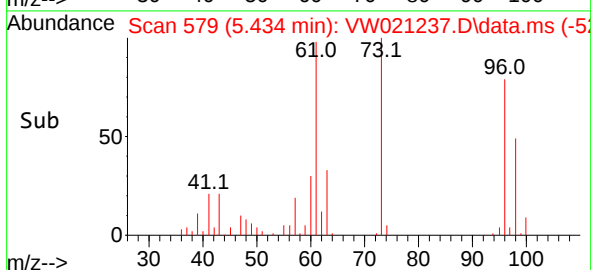
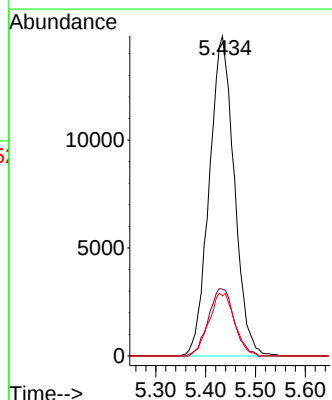
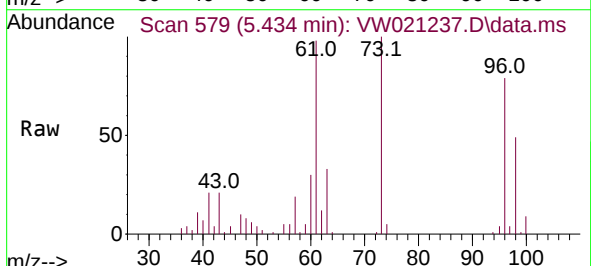
Tgt Ion: 73 Resp: 51481

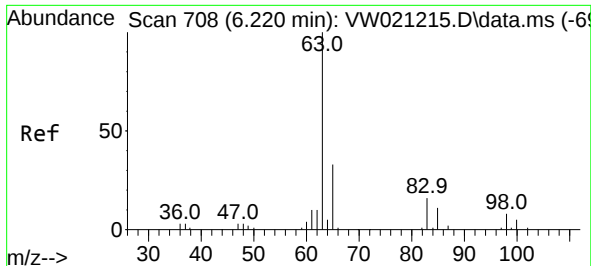
Ion Ratio Lower Upper

73 100

43 21.8 19.5 29.3

57 11.4 19.3 28.9#





#19

1,1-Dichloroethane

Concen: 21.364 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW021237.D

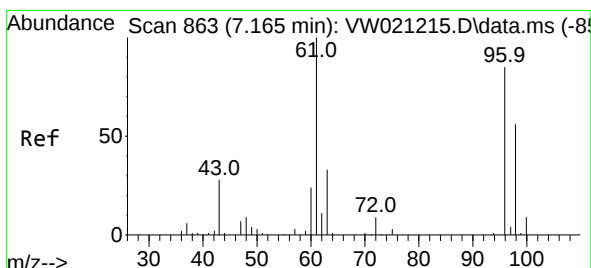
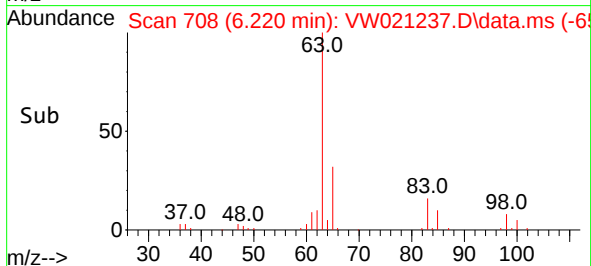
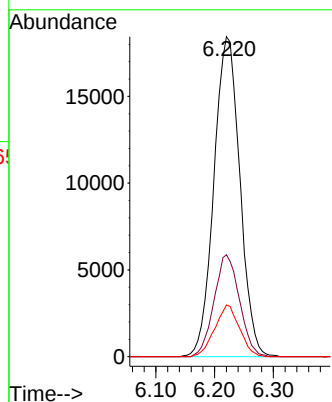
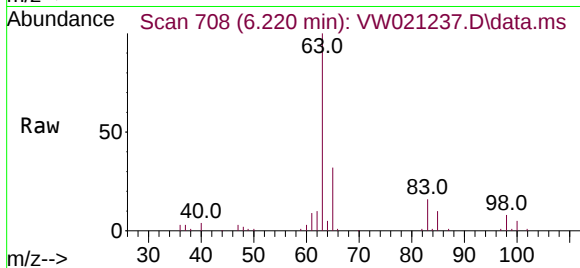
Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 63	Resp: 56594
Ion Ratio	Lower Upper
63 100	
65 31.8	22.1 41.1
83 16.2	9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 21.398 ug/L

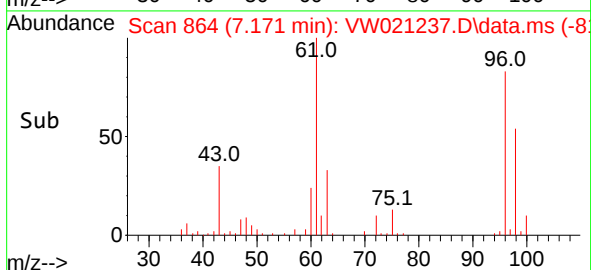
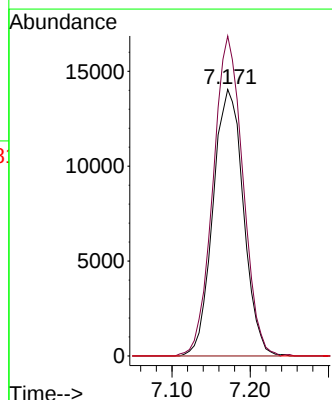
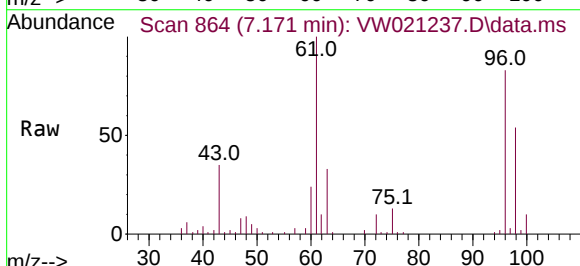
RT: 7.171 min Scan# 864

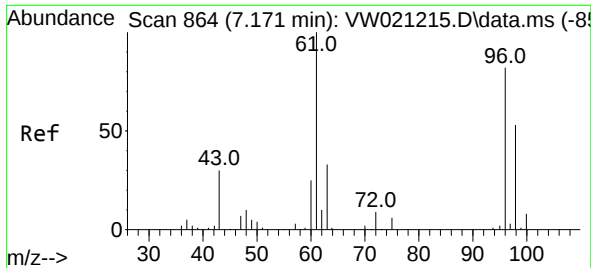
Delta R.T. 0.006 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Tgt Ion: 96	Resp: 37925		
Ion Ratio	Lower	Upper	
96	100		
61	120.0	103.7	192.7
68	0.0	0.0	0.0

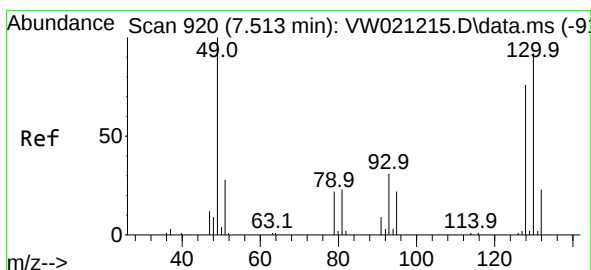
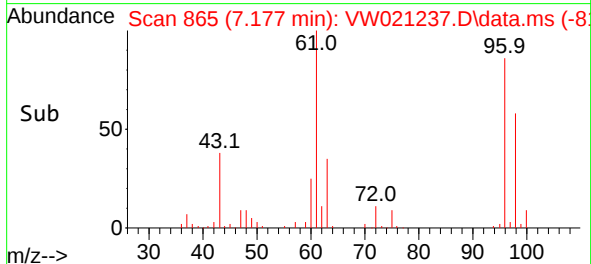
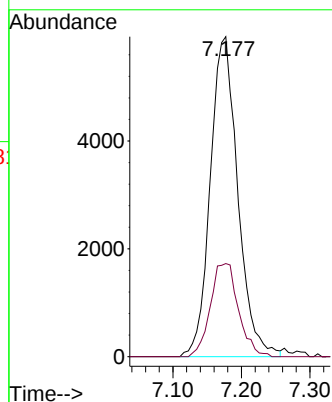
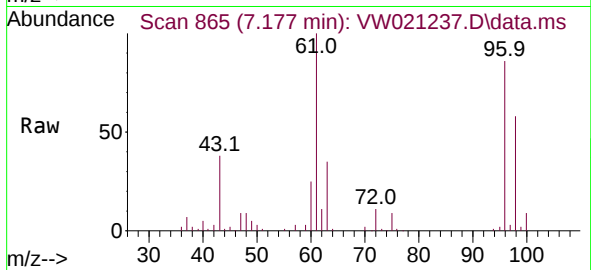




#22
2-Butanone
Concen: 34.230 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

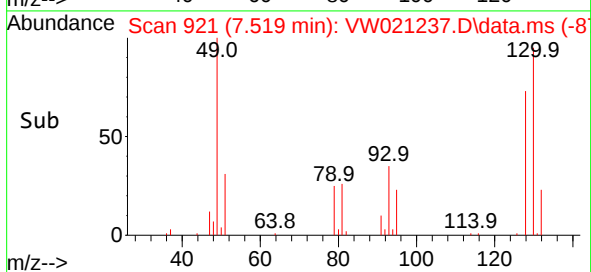
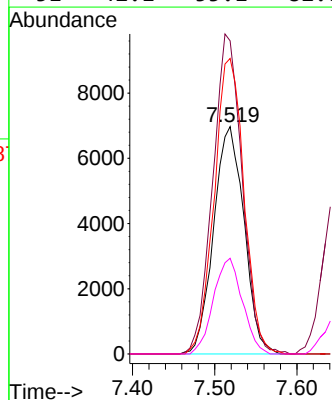
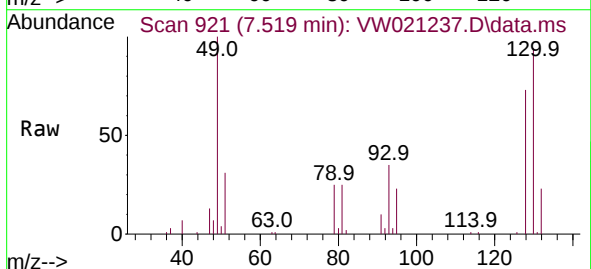
Instrument :
MSVOA_W
ClientSampleId :

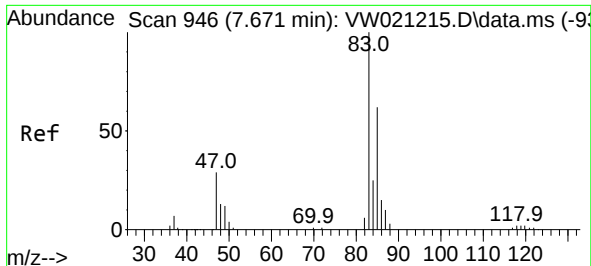
Tgt Ion: 43 Resp: 16576
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#23
Bromochloromethane
Concen: 21.637 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion: 128 Resp: 17943
Ion Ratio Lower Upper
128 100
49 137.7 150.3 279.1#
130 130.0 88.3 163.9
51 42.1 55.1 82.7#

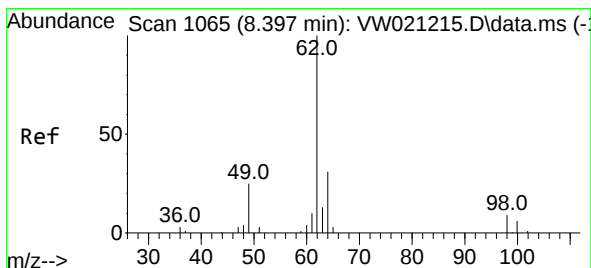
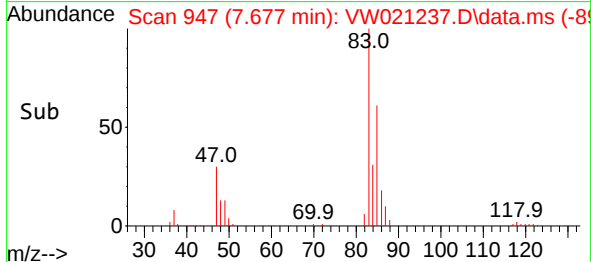
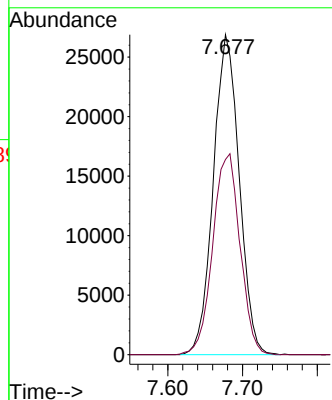
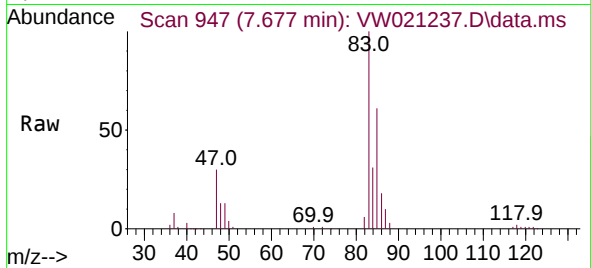




#25
Chloroform
Concen: 21.803 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

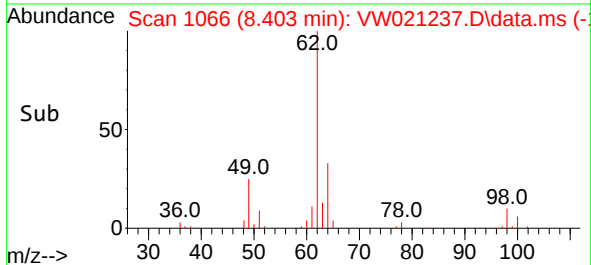
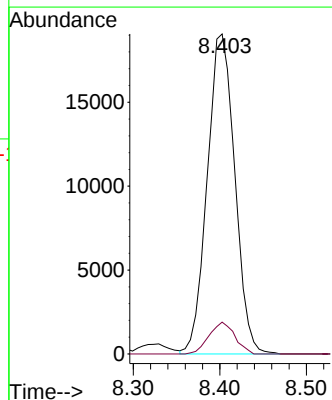
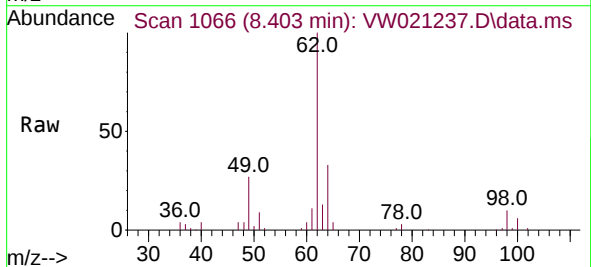
Instrument :
MSVOA_W
ClientSampleId :

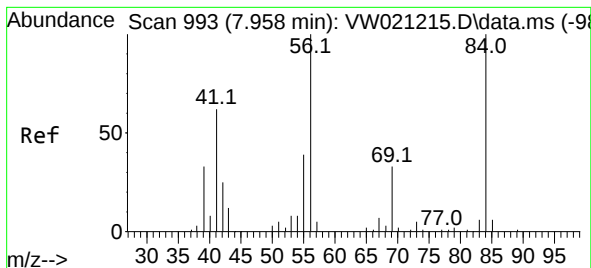
Tgt Ion: 83 Resp: 64834
Ion Ratio Lower Upper
83 100
85 61.0 45.1 83.7



#27
1,2-Dichloroethane
Concen: 21.677 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion: 62 Resp: 42166
Ion Ratio Lower Upper
62 100
98 9.9 6.5 9.7#





#29

Cyclohexane

Concen: 20.061 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

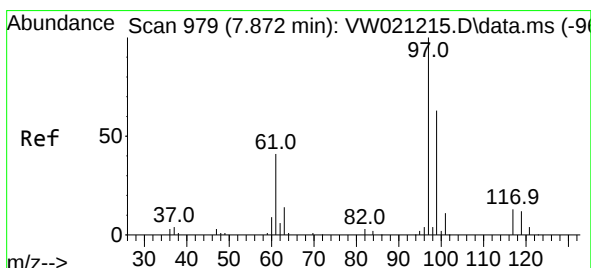
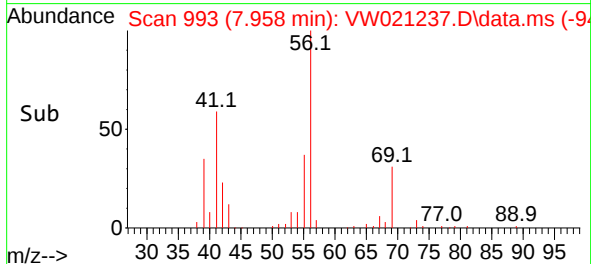
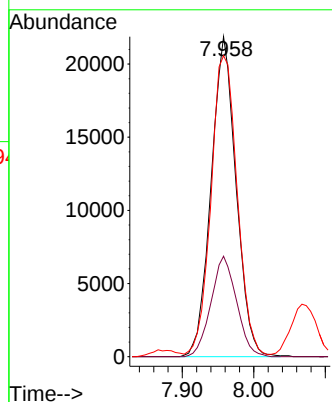
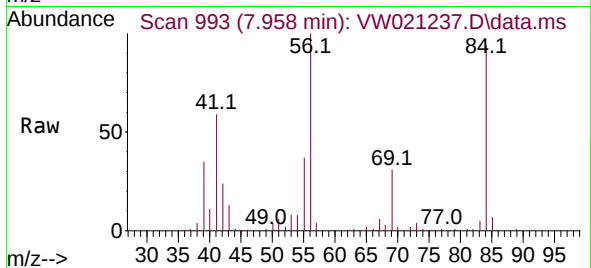
Tgt Ion: 56 Resp: 53035

Ion Ratio Lower Upper

56 100

69 32.1 23.5 35.3

84 99.1 63.4 95.2#



#30

1,1,1-Trichloroethane

Concen: 20.698 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

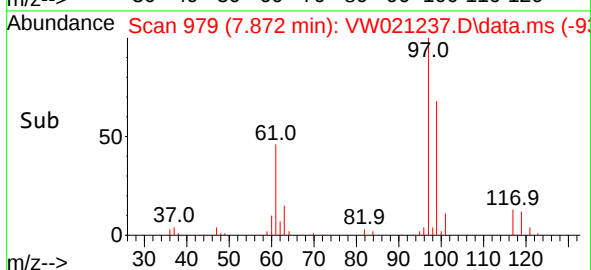
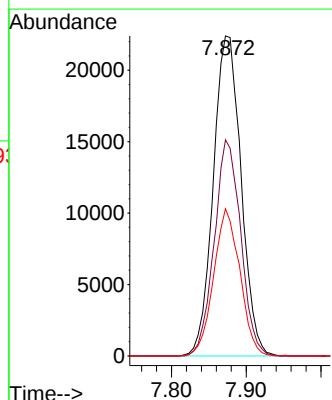
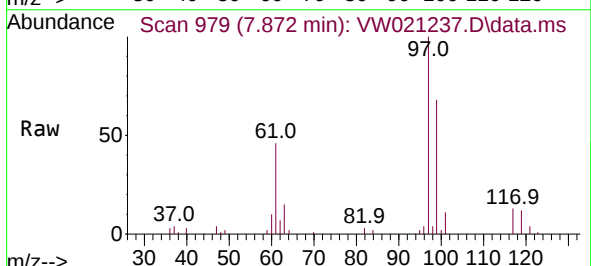
Tgt Ion: 97 Resp: 57835

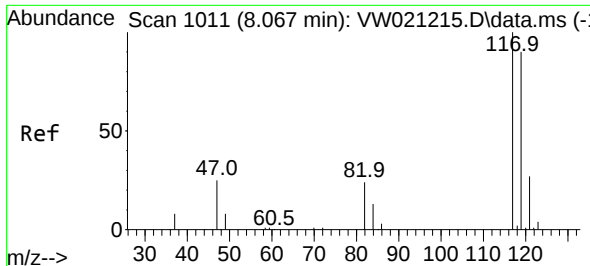
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 43.5 40.9 61.3

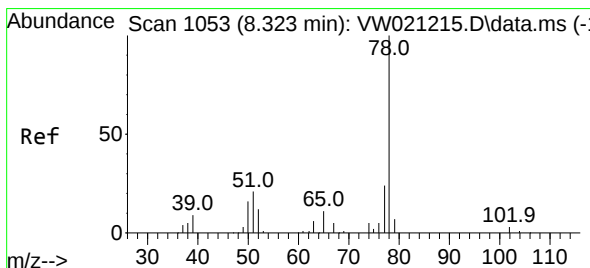
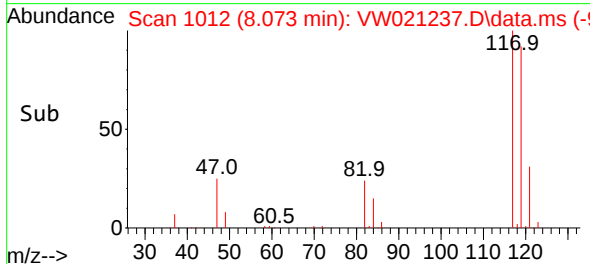
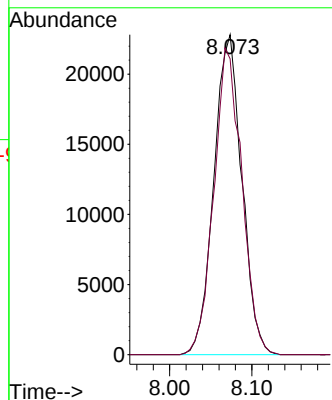
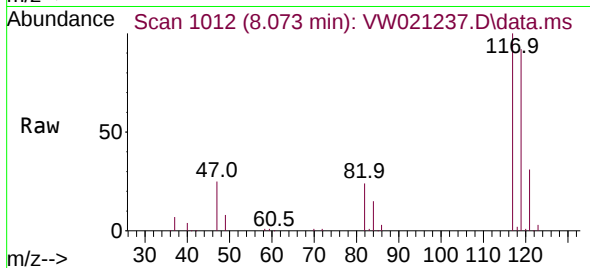




#31
Carbon tetrachloride
Concen: 20.808 ug/L
RT: 8.073 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

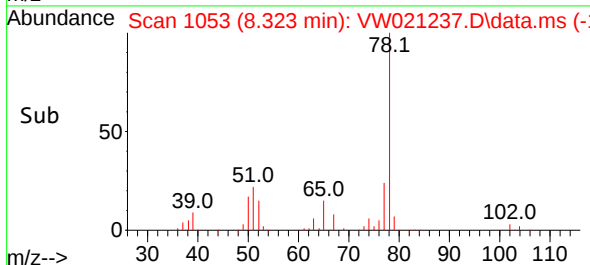
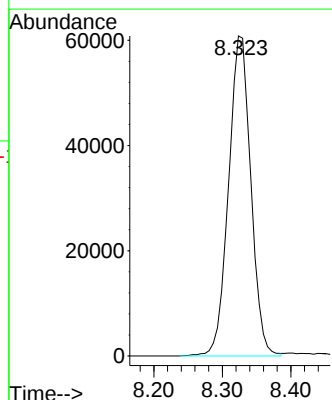
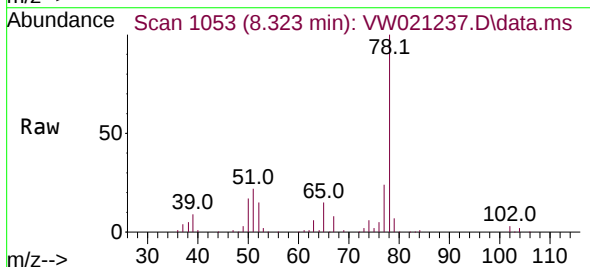
Instrument :
MSVOA_W
ClientSampleId :

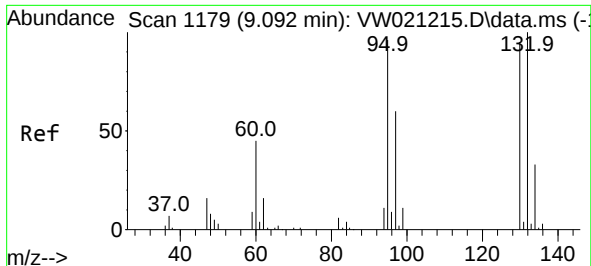
Tgt Ion:117 Resp: 54027
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5



#33
Benzene
Concen: 20.103 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion: 78 Resp: 137001





#34

Trichloroethene

Concen: 20.320 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 38204

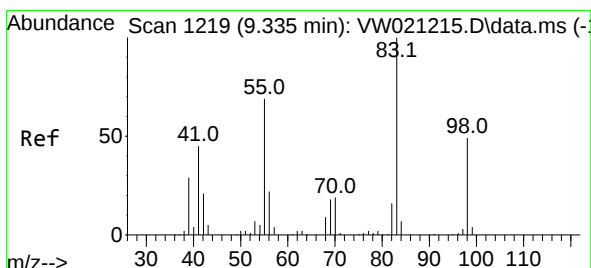
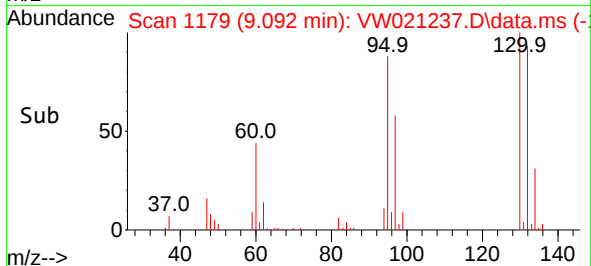
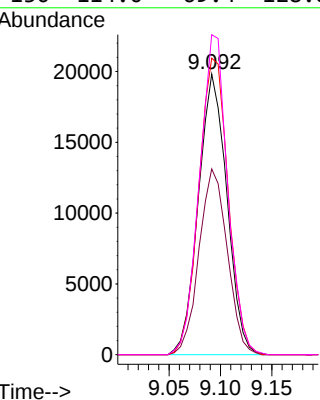
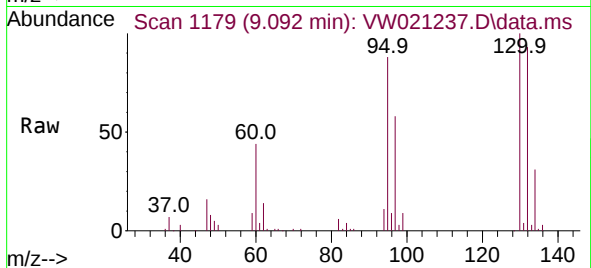
Ion Ratio Lower Upper

95 100

97 66.2 47.0 87.2

132 105.6 65.5 121.6

130 114.0 69.4 128.8



#35

Methylcyclohexane

Concen: 20.319 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

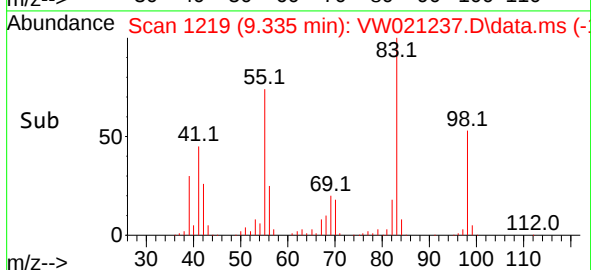
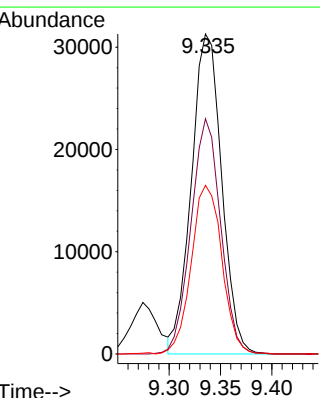
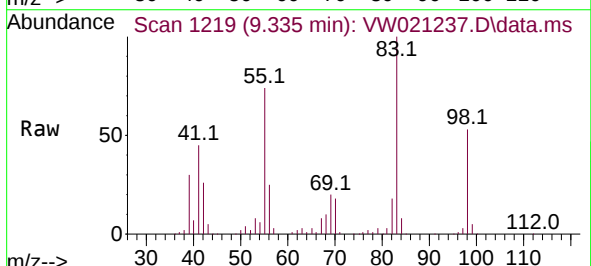
Tgt Ion: 83 Resp: 64304

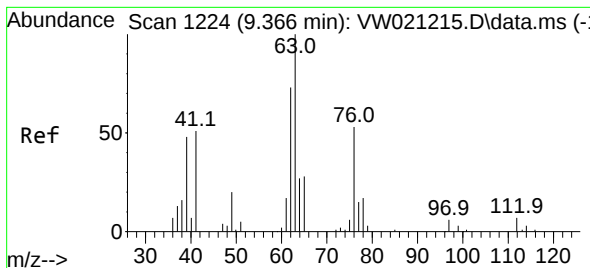
Ion Ratio Lower Upper

83 100

55 71.8 70.8 106.2

98 53.3 37.7 56.5





#37

1,2-Dichloropropane

Concen: 20.163 ug/L

RT: 9.372 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

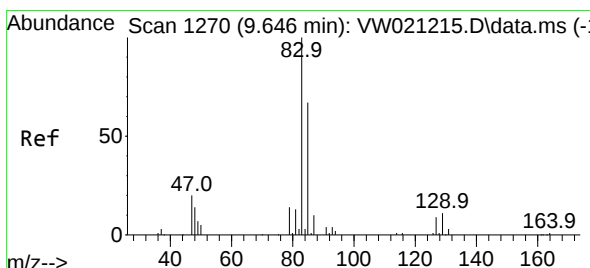
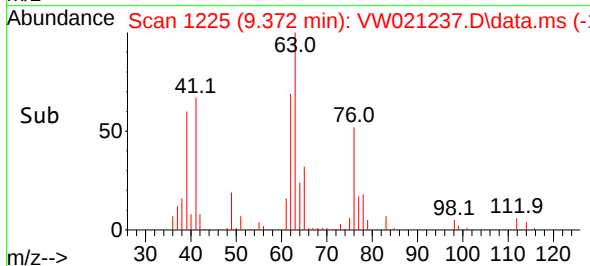
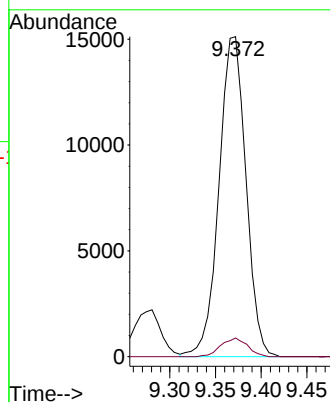
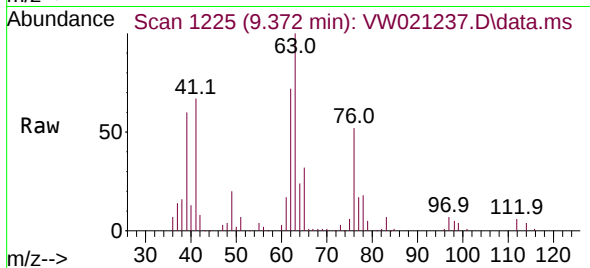
ClientSampleId :

Tgt Ion: 63 Resp: 31057

Ion Ratio Lower Upper

63 100

112 5.8 3.2 4.8#



#38

Bromodichloromethane

Concen: 20.748 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

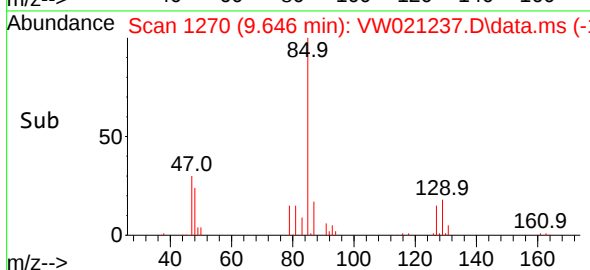
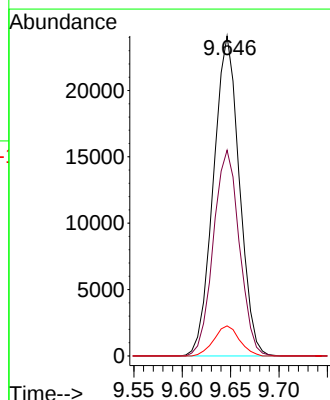
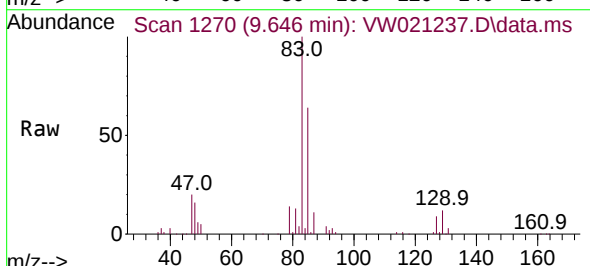
Tgt Ion: 83 Resp: 44925

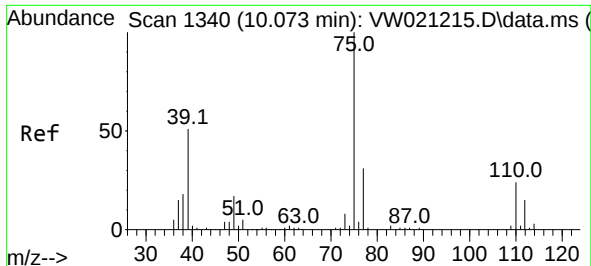
Ion Ratio Lower Upper

83 100

85 64.3 44.1 81.9

127 9.4 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 20.675 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

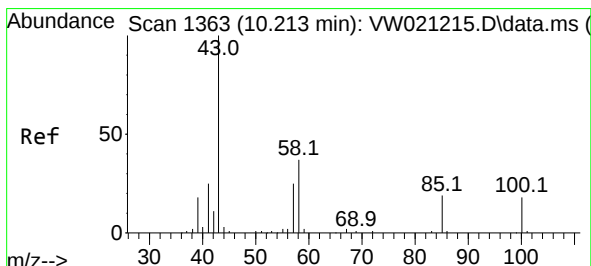
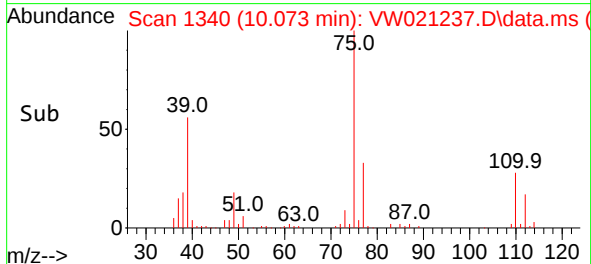
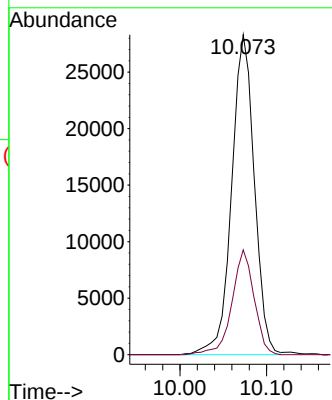
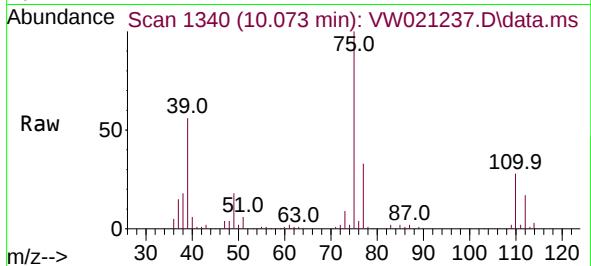
ClientSampleId :

Tgt Ion: 75 Resp: 51511

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 35.935 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.006 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

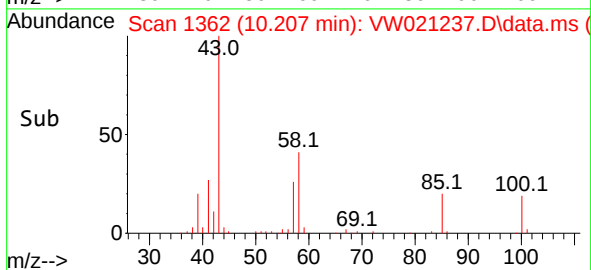
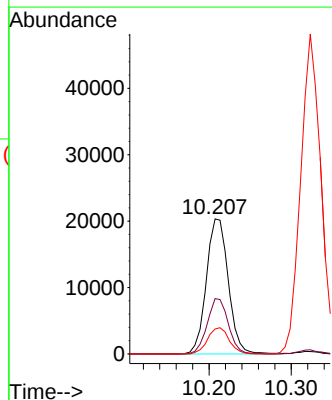
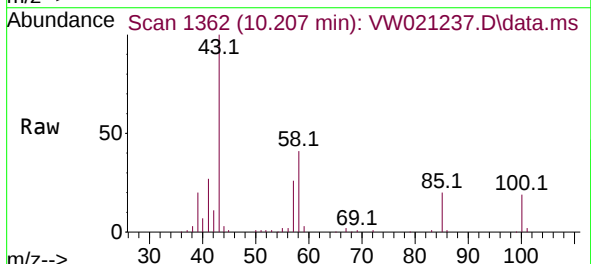
Tgt Ion: 43 Resp: 37707

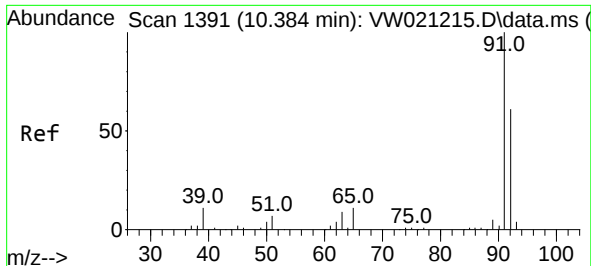
Ion Ratio Lower Upper

43 100

58 39.3 28.8 43.2

100 19.0 10.0 15.0#

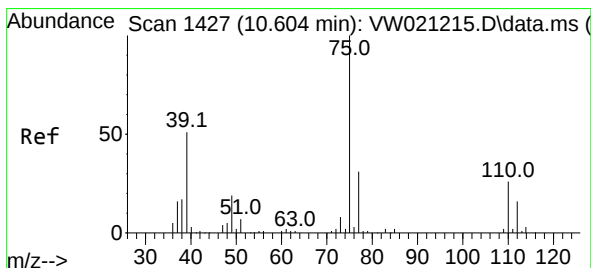
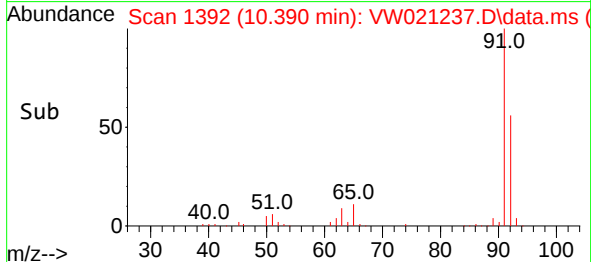
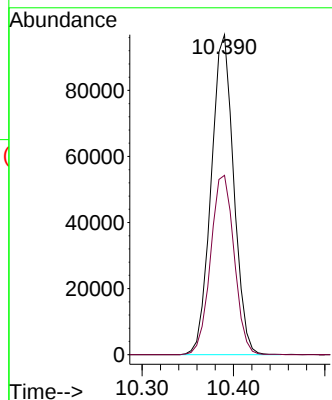
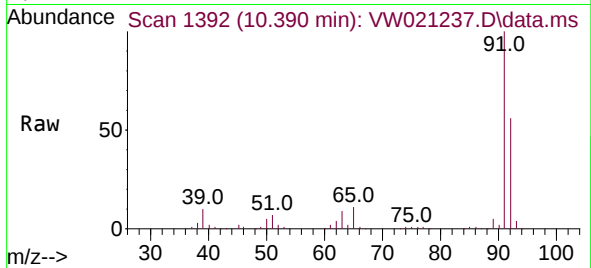




#42
Toluene
Concen: 21.260 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

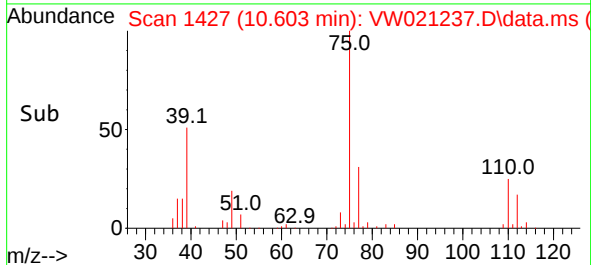
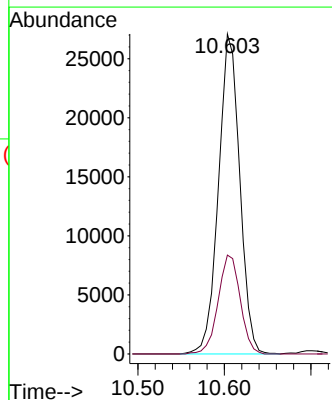
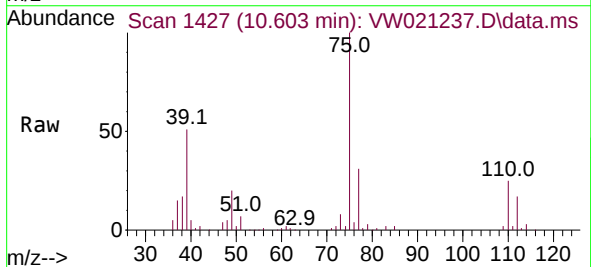
Instrument :
MSVOA_W
ClientSampleId :

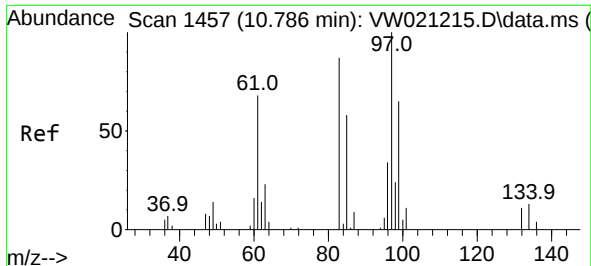
Tgt Ion: 91 Resp: 165484
Ion Ratio Lower Upper
91 100
92 56.0 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 20.474 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion: 75 Resp: 46150
Ion Ratio Lower Upper
75 100
77 30.9 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 20.511 ug/L

RT: 10.786 min Scan# 14

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 26487

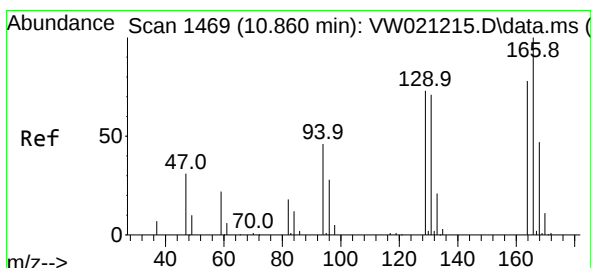
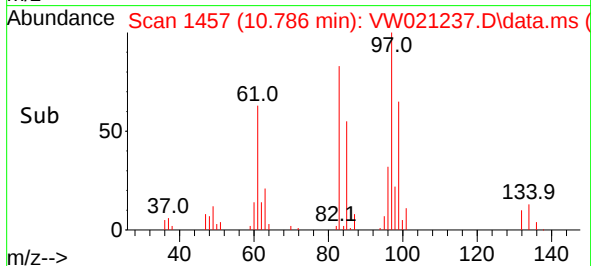
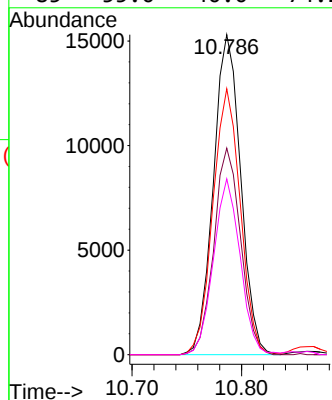
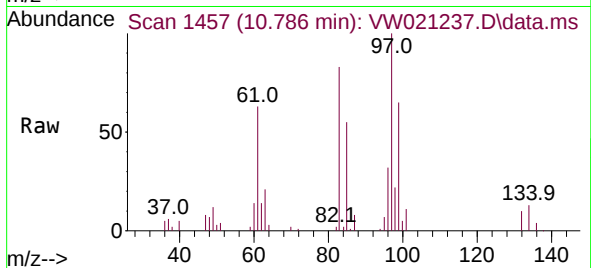
Ion Ratio Lower Upper

97 100

99 64.6 43.0 79.8

83 83.1 62.6 116.3

85 55.0 40.0 74.2



#46

Tetrachloroethene

Concen: 22.139 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Tgt Ion:164 Resp: 38114

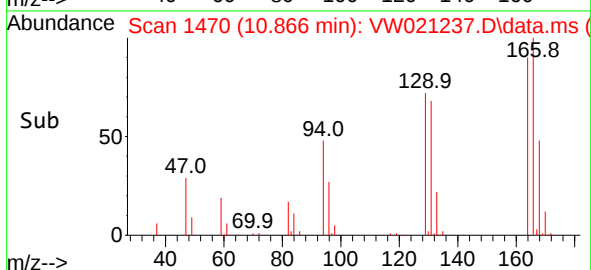
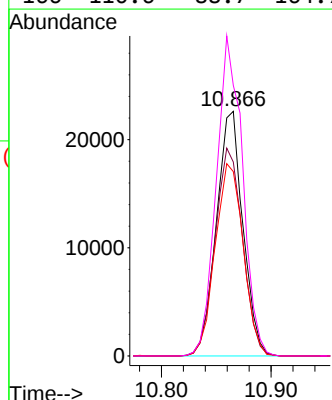
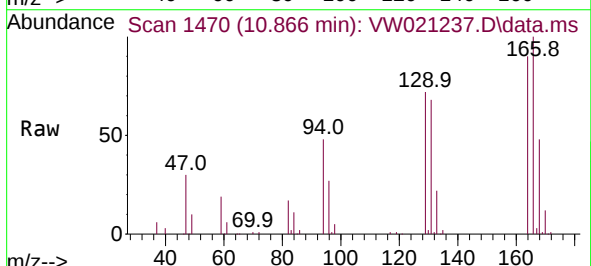
Ion Ratio Lower Upper

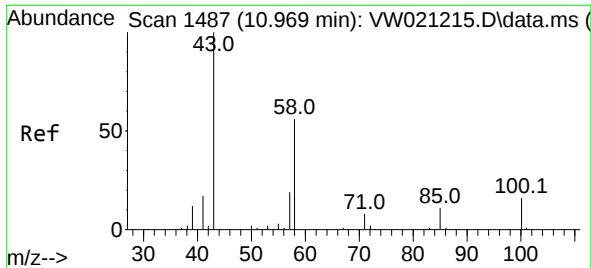
164 100

129 79.2 65.5 121.7

131 75.3 59.7 110.9

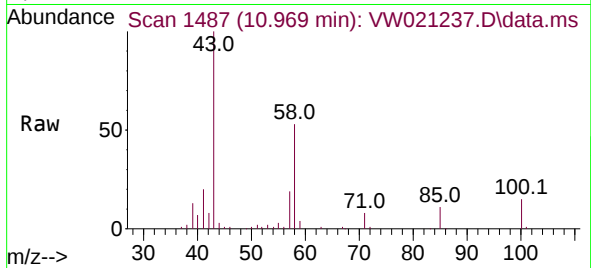
166 110.6 88.7 164.7



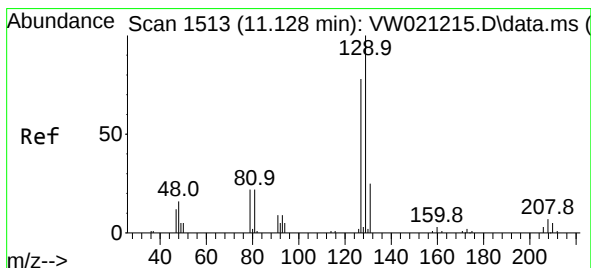
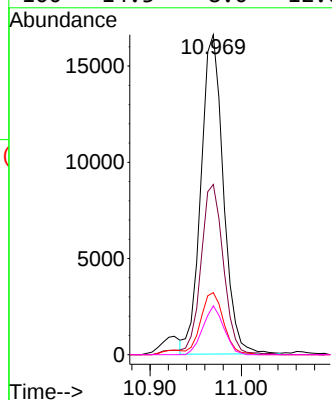
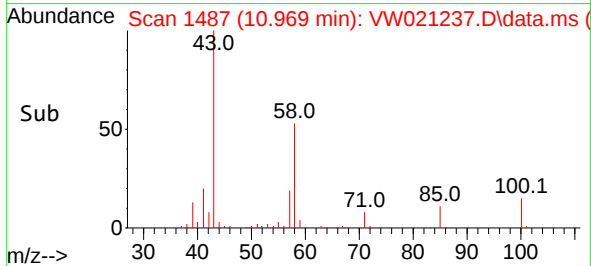


#48
2-Hexanone
Concen: 37.338 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Instrument :
MSVOA_W
ClientSampleId :

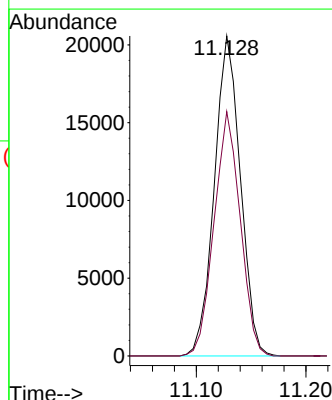
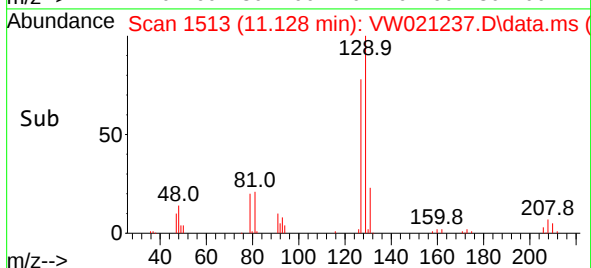
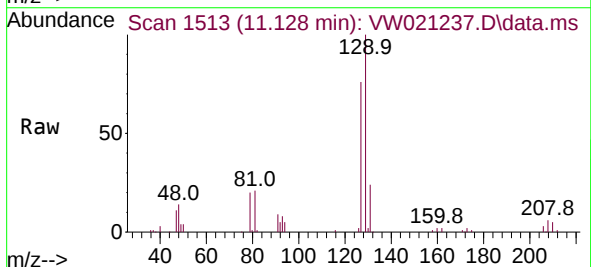


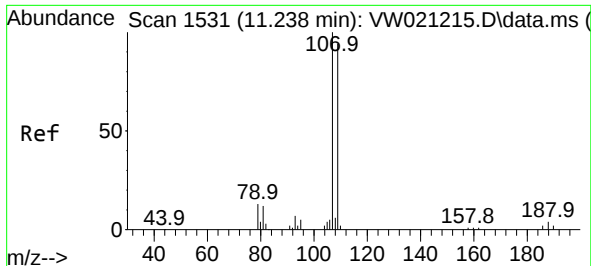
Tgt Ion: 43 Resp: 28263
Ion Ratio Lower Upper
43 100
58 53.3 40.2 60.2
57 19.7 14.3 21.5
100 14.3 8.0 12.0#



#49
Dibromochloromethane
Concen: 21.106 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion: 129 Resp: 34065
Ion Ratio Lower Upper
129 100
127 76.4 55.7 103.5





#50

1,2-Dibromoethane

Concen: 20.756 ug/L

RT: 11.237 min Scan# 1

Delta R.T. -0.000 min

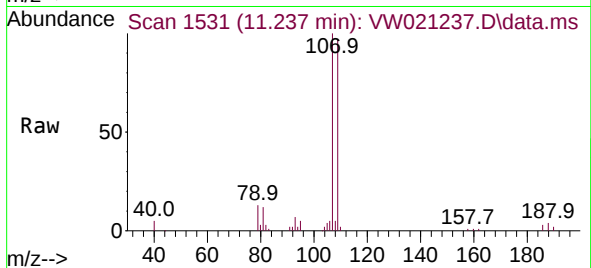
Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :



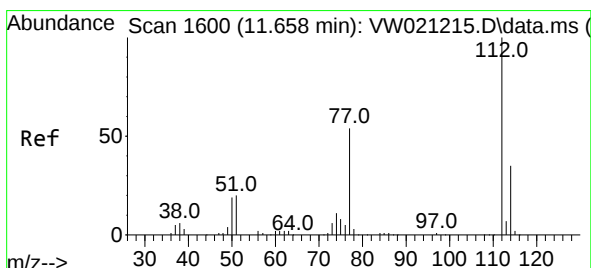
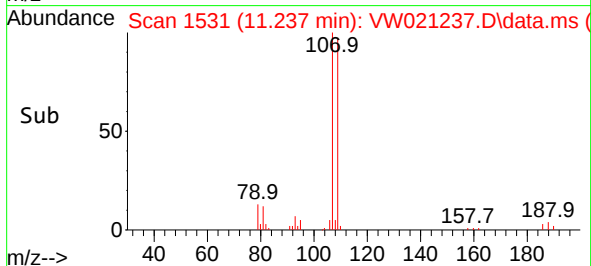
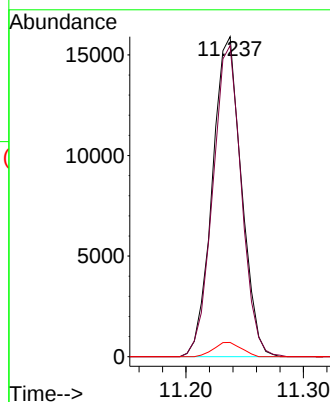
Tgt Ion:107 Resp: 27334

Ion Ratio Lower Upper

107 100

109 97.2 64.1 119.1

188 4.5 2.6 3.8#



#51

Chlorobenzene

Concen: 21.579 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

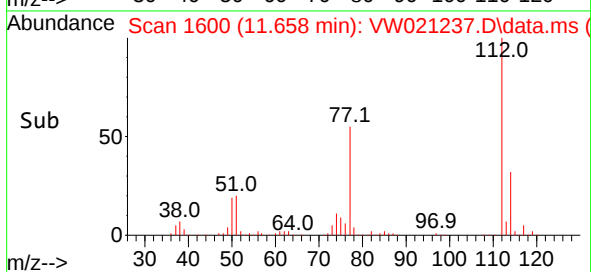
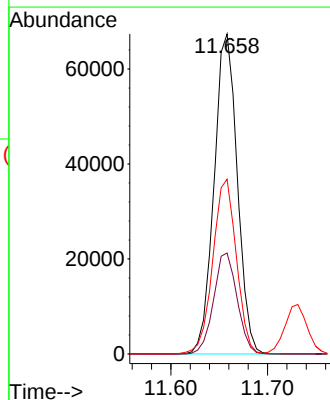
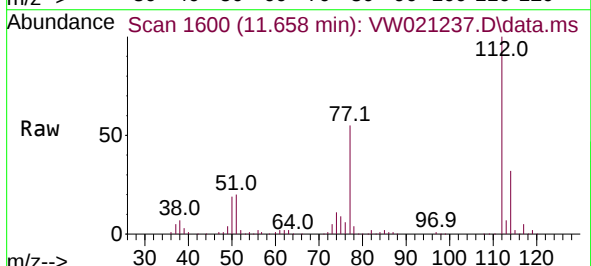
Tgt Ion:112 Resp: 112233

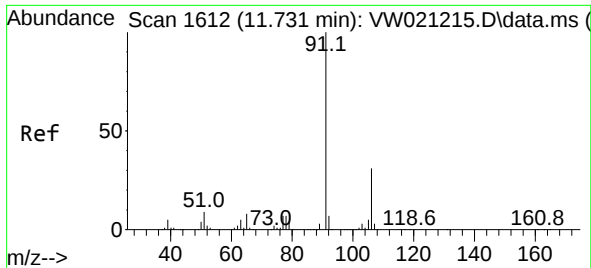
Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 54.6 50.2 75.4

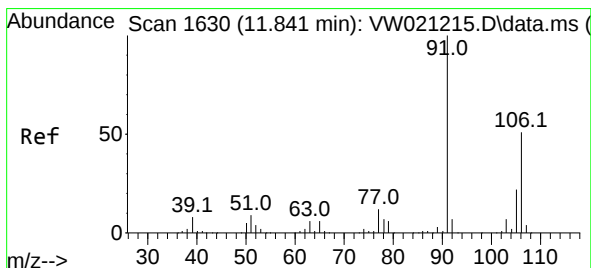
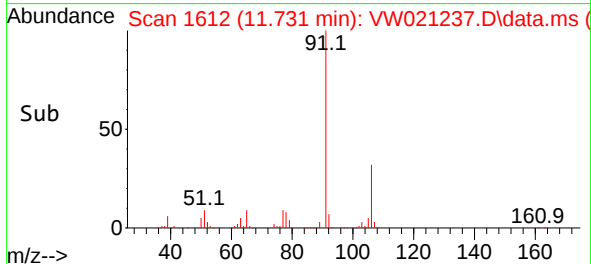
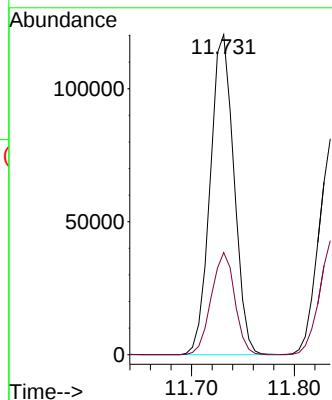
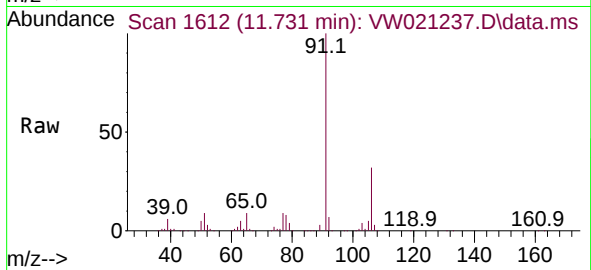




#52
Ethylbenzene
Concen: 22.022 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

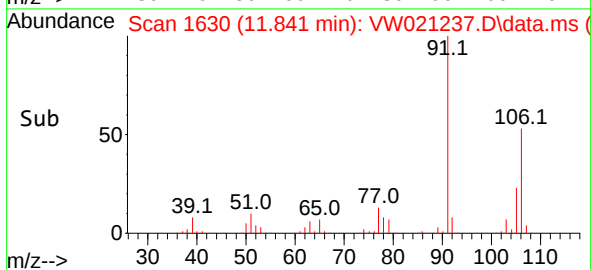
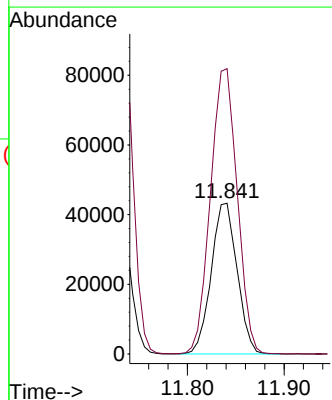
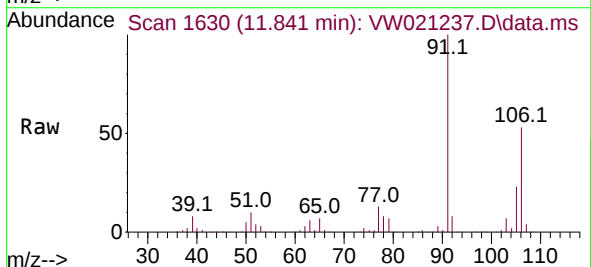
Instrument :
MSVOA_W
ClientSampleId :

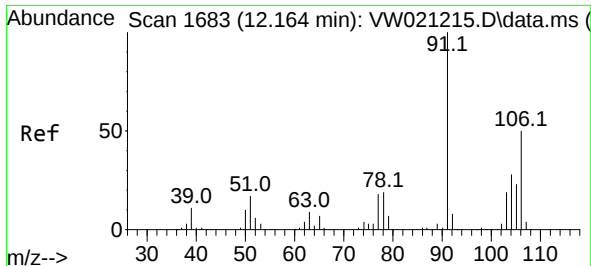
Tgt Ion: 91 Resp: 192973
Ion Ratio Lower Upper
91 100
106 31.9 21.5 39.9



#53
m,p-Xylene
Concen: 22.189 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion:106 Resp: 80435
Ion Ratio Lower Upper
106 100
91 189.3 149.9 278.3

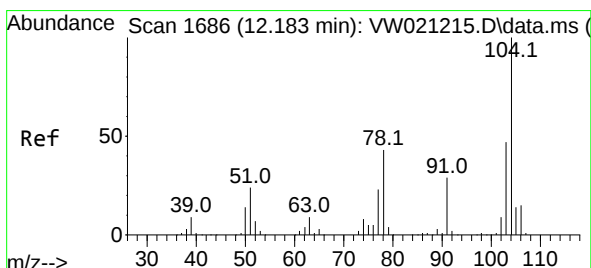
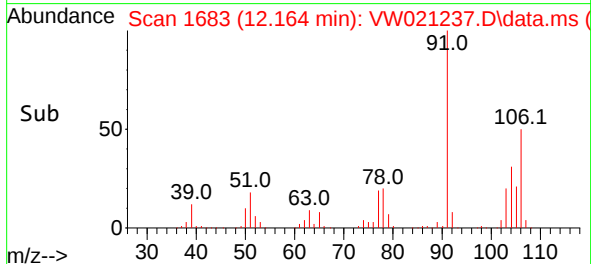
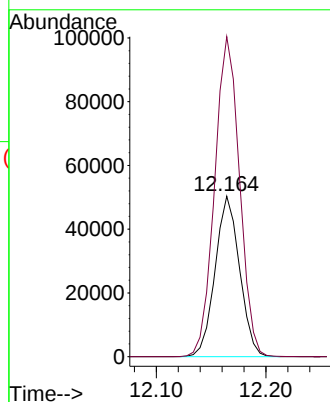
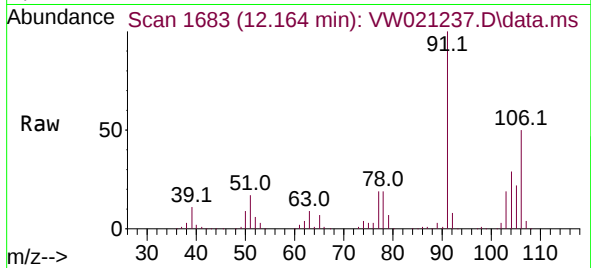




#54
o-Xylene
Concen: 22.844 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

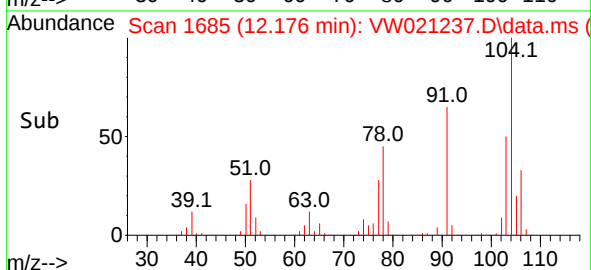
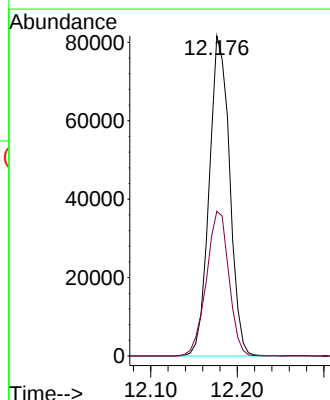
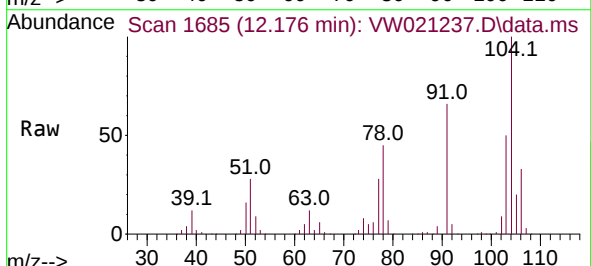
Instrument :
MSVOA_W
ClientSampleId :

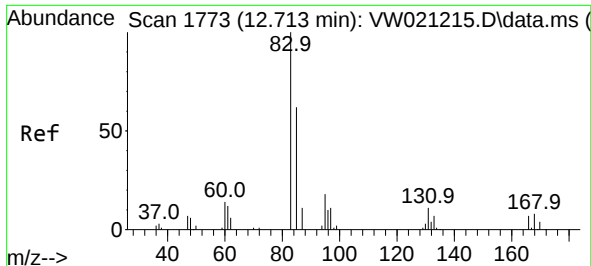
Tgt Ion:106 Resp: 78075
Ion Ratio Lower Upper
106 100
91 199.3 153.6 285.3



#55
Styrene
Concen: 22.911 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion:104 Resp: 133417
Ion Ratio Lower Upper
104 100
78 45.2 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 22.092 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021237.D

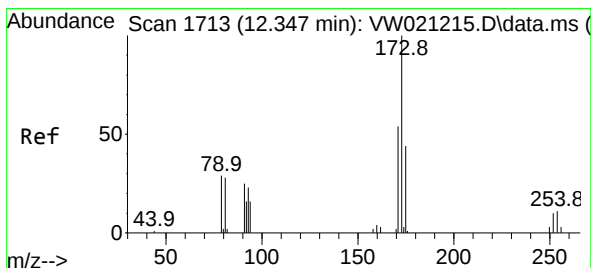
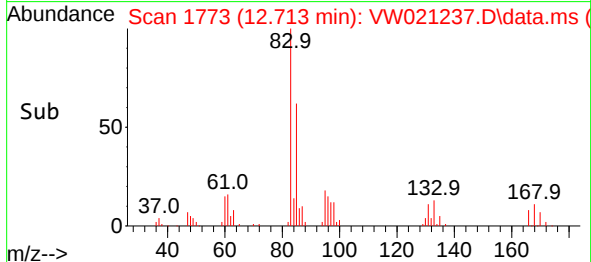
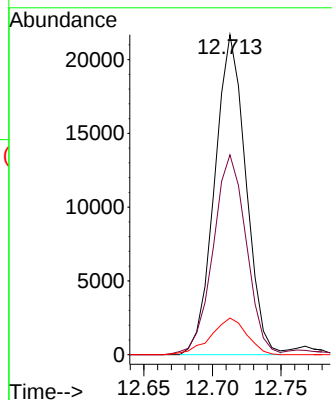
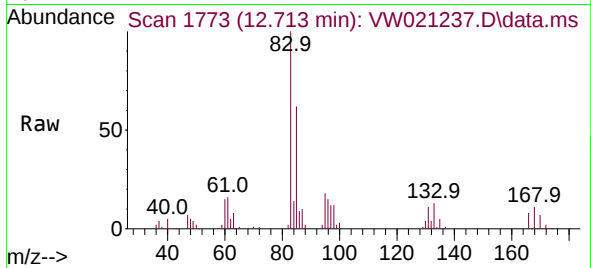
Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	34314
Ion Ratio	Lower	Upper	
83	100		
85	62.5	44.0	81.6
131	11.4	6.9	10.3#



#59

Bromoform

Concen: 19.135 ug/L

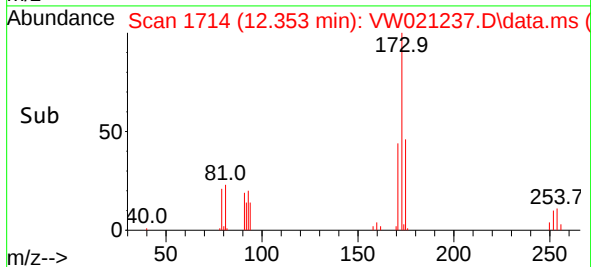
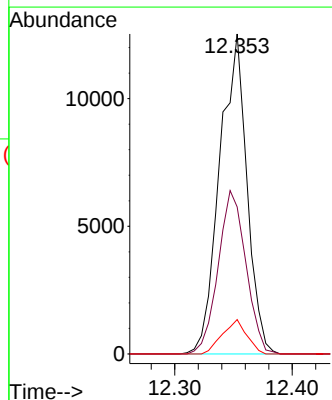
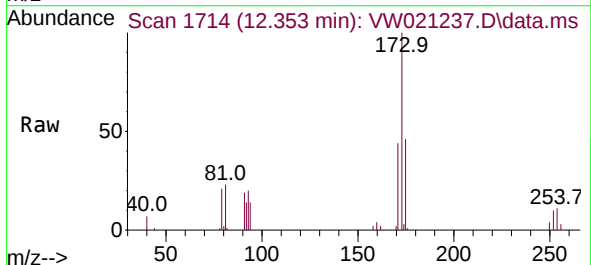
RT: 12.353 min Scan# 1714

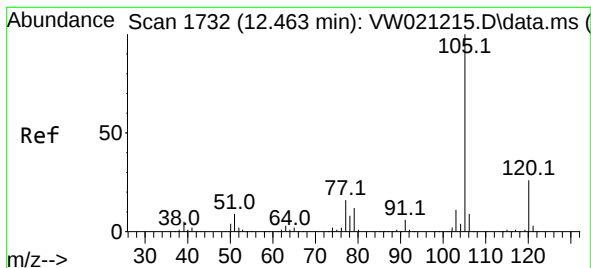
Delta R.T. 0.006 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Tgt Ion:	173	Resp:	20186
Ion Ratio	Lower	Upper	
173	100		
175	52.0	39.6	59.4
254	9.6	7.4	11.0





#60

Isopropylbenzene

Concen: 20.855 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

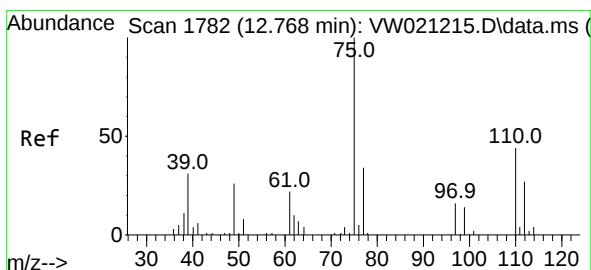
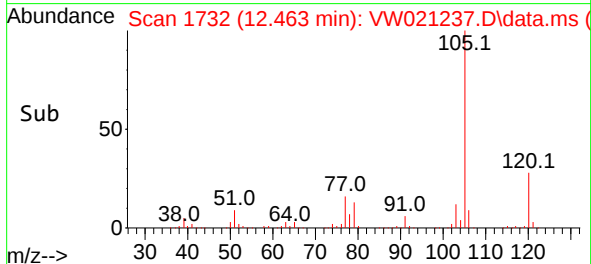
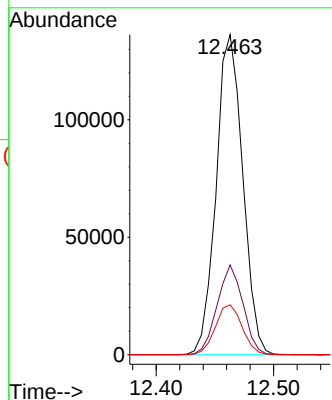
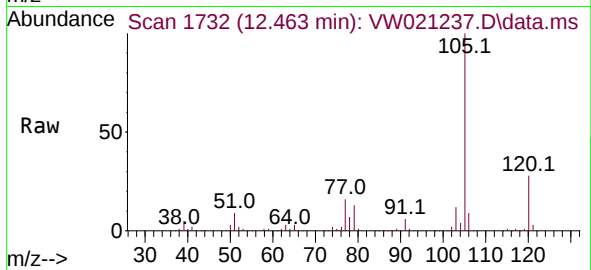
Tgt Ion:105 Resp: 214393

Ion Ratio Lower Upper

105 100

120 27.2 20.1 30.1

77 15.7 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 20.351 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

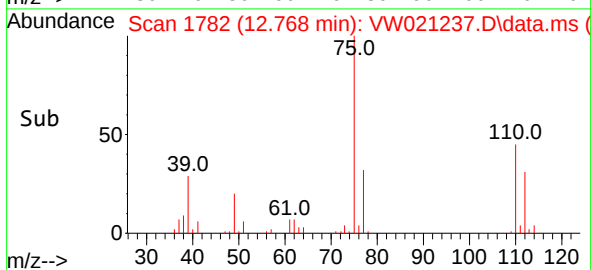
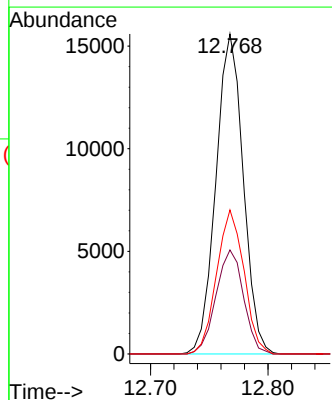
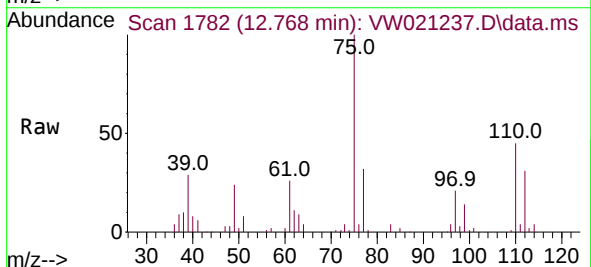
Tgt Ion: 75 Resp: 25218

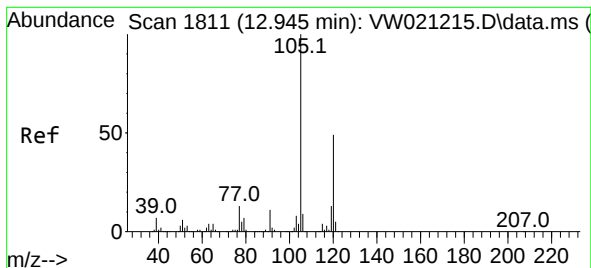
Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

110 45.0 29.0 43.4#

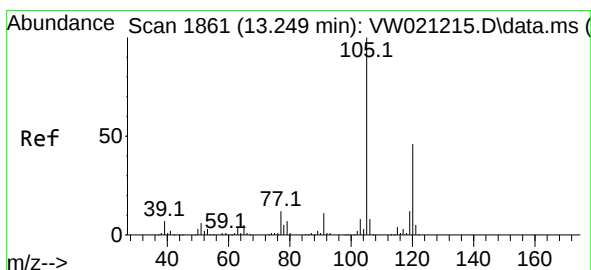
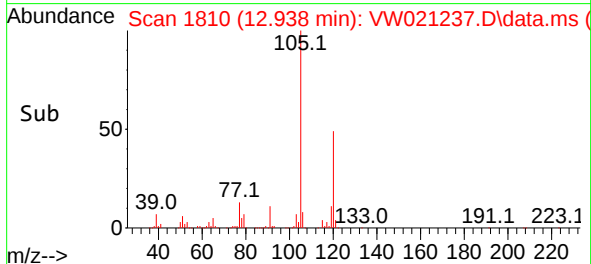
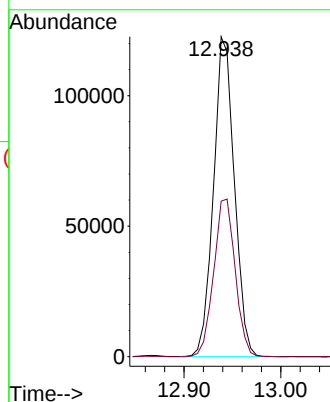
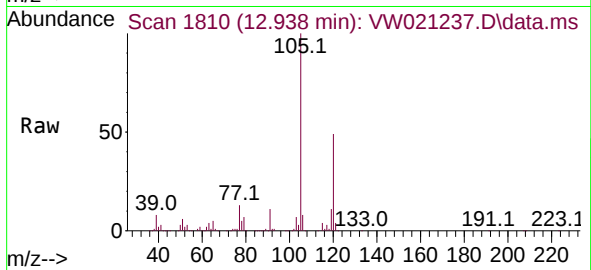




#62
1,3,5-Trimethylbenzene
Concen: 21.318 ug/L
RT: 12.938 min Scan# 1811
Delta R.T. -0.006 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

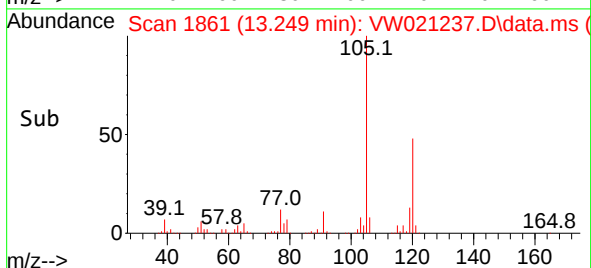
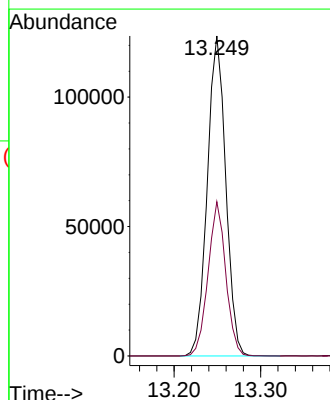
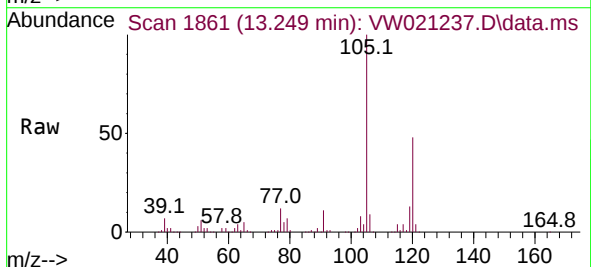
Instrument :
MSVOA_W
ClientSampleId :

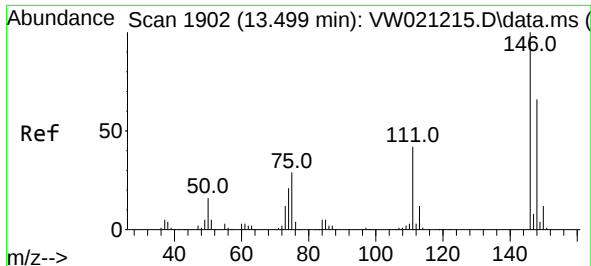
Tgt Ion:105 Resp: 183532
Ion Ratio Lower Upper
105 100
120 50.8 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 21.130 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion:105 Resp: 182955
Ion Ratio Lower Upper
105 100
120 46.3 35.0 52.6

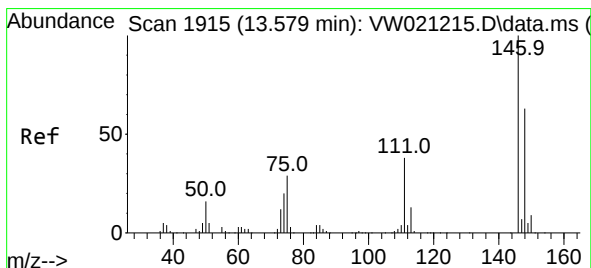
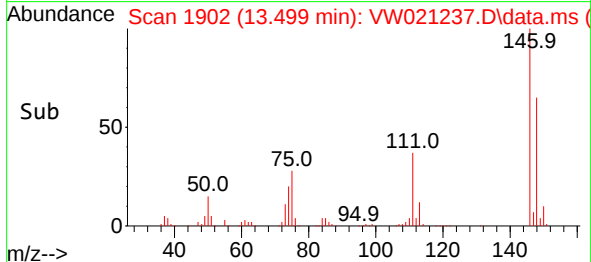
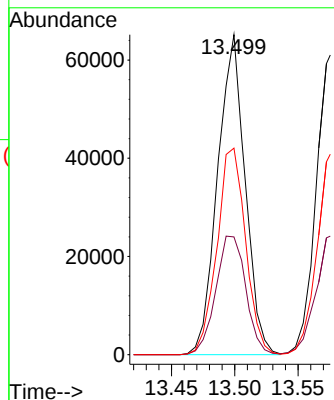
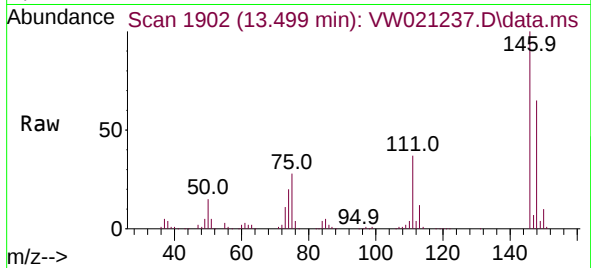




#64
1,3-Dichlorobenzene
Concen: 20.359 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

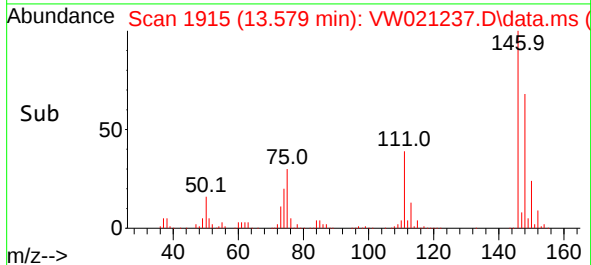
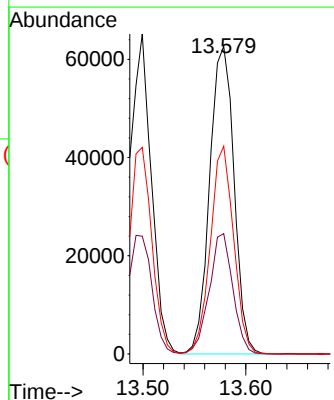
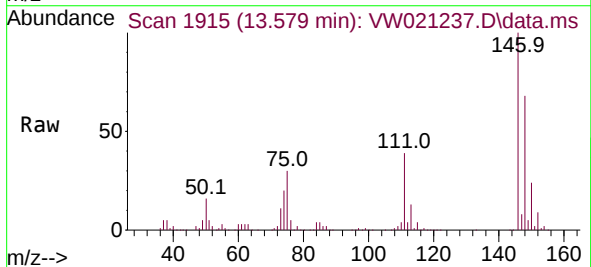
Instrument :
MSVOA_W
ClientSampleId :

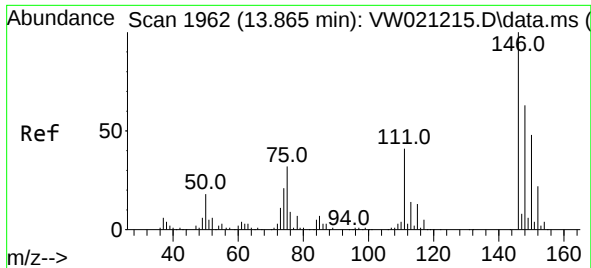
Tgt Ion:146 Resp: 98551
Ion Ratio Lower Upper
146 100
111 36.8 29.8 55.3
148 64.5 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 21.088 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion:146 Resp: 103166
Ion Ratio Lower Upper
146 100
111 39.1 29.0 53.9
148 67.5 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 22.459 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

Instrument :

MSVOA_W

ClientSampleId :

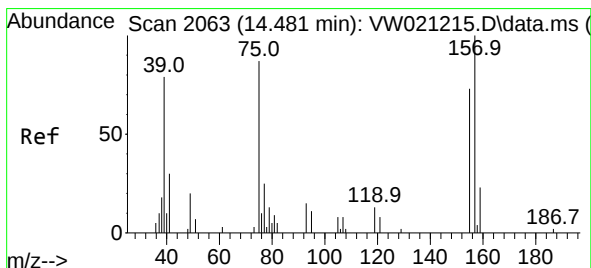
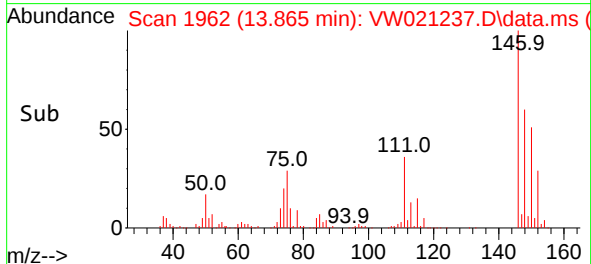
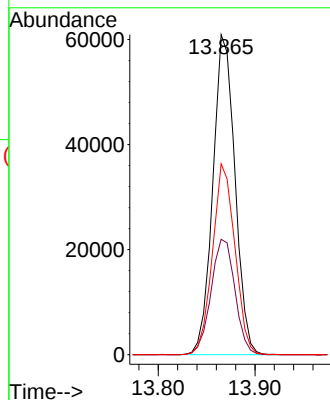
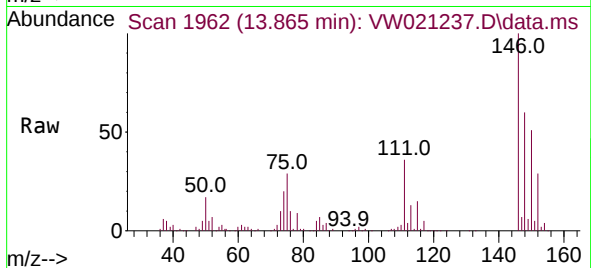
Tgt Ion:146 Resp: 96796

Ion Ratio Lower Upper

146 100

111 36.0 33.1 49.7

148 59.7 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 18.055 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021237.D

Acq: 08 Dec 2021 18:32

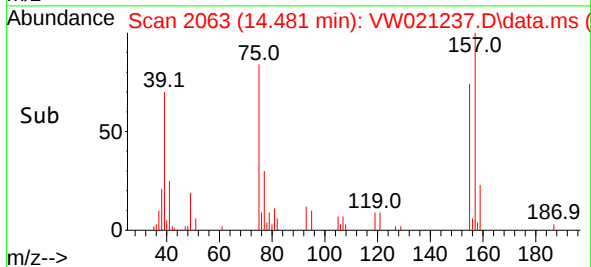
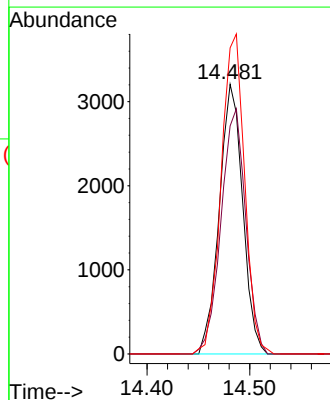
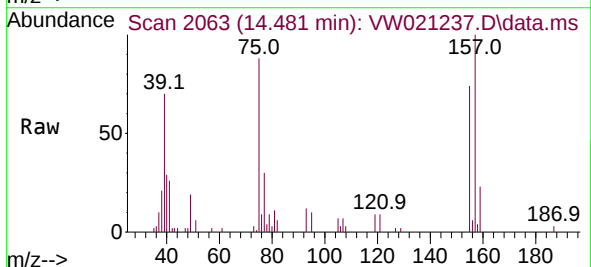
Tgt Ion: 75 Resp: 5052

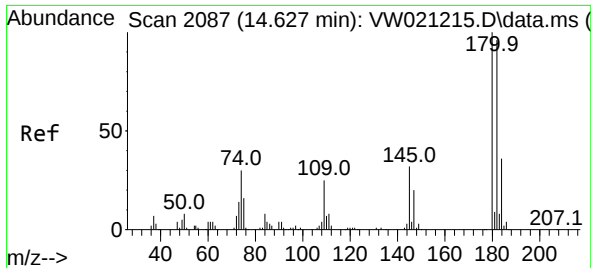
Ion Ratio Lower Upper

75 100

155 84.6 54.2 81.2#

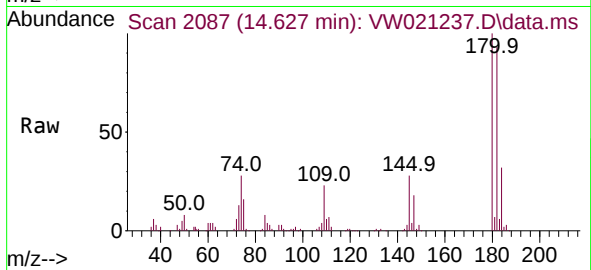
157 113.5 69.4 104.2#



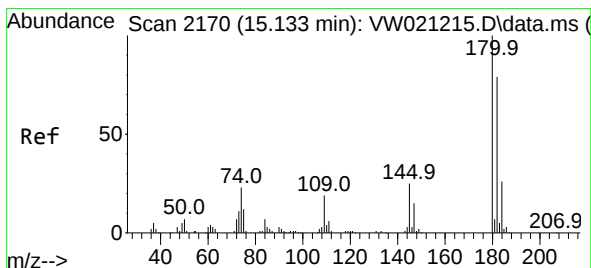
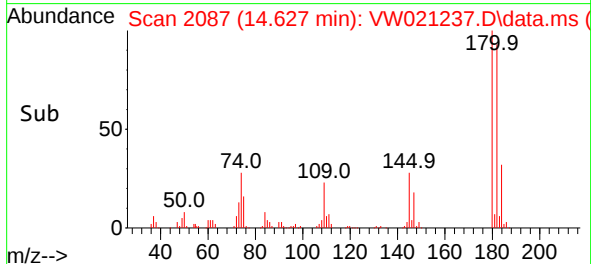
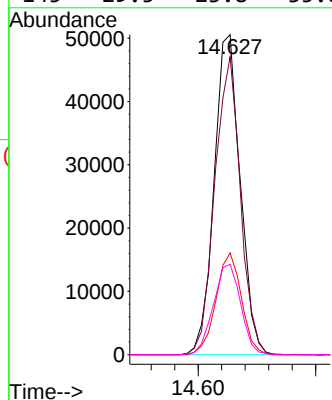


#69
 1,3,5-Trichlorobenzene
 Concen: 21.855 ug/L
 RT: 14.627 min Scan# 2087
 Delta R.T. -0.000 min
 Lab File: VW021237.D
 Acq: 08 Dec 2021 18:32

Instrument :
 MSVOA_W
 ClientSampleId :

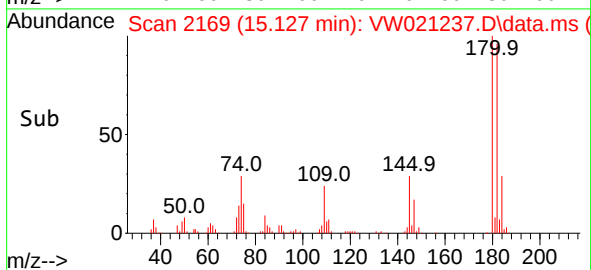
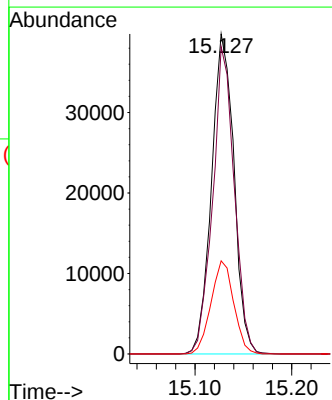
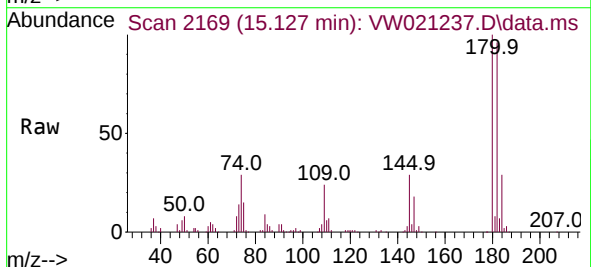


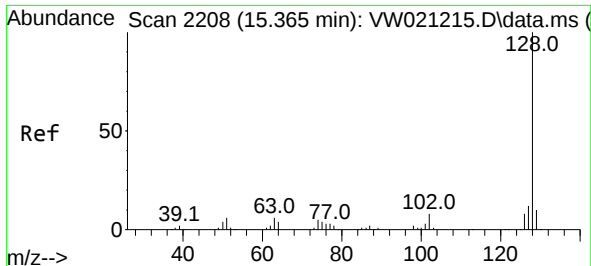
Tgt Ion:180 Resp: 77751
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.4 113.0
 184 31.1 23.8 35.8
 145 29.5 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 21.863 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. -0.006 min
 Lab File: VW021237.D
 Acq: 08 Dec 2021 18:32

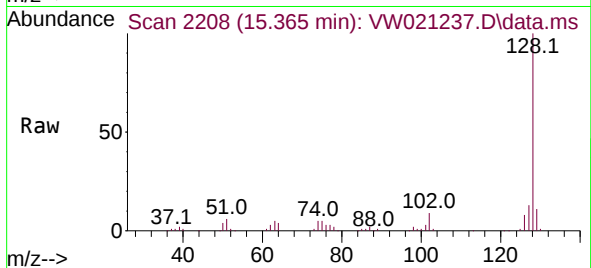
Tgt Ion:180 Resp: 63912
 Ion Ratio Lower Upper
 180 100
 182 92.4 79.0 118.6
 145 29.6 26.0 39.0



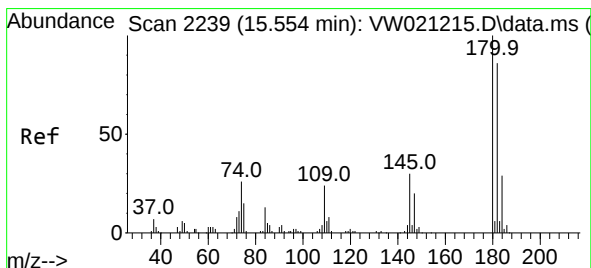
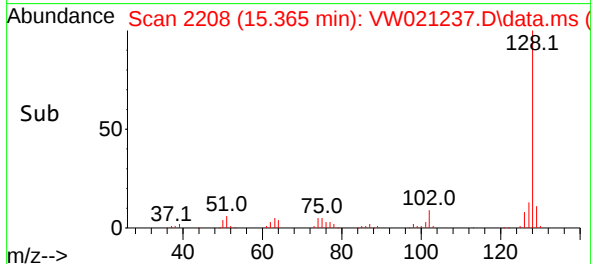
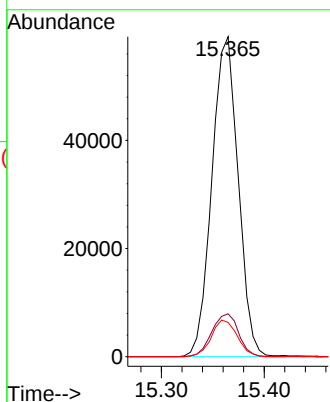


#71
Naphthalene
Concen: 19.339 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 105096
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.3 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 20.371 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VW021237.D
Acq: 08 Dec 2021 18:32

Tgt Ion:180 Resp: 51971
Ion Ratio Lower Upper
180 100
182 98.2 76.6 114.8
145 32.7 27.4 41.0

