

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021091.D
 Acq On : 04 Dec 2021 02:52
 Operator : SY/VA
 Sample : M4883-21MS
 Misc : 4.18g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 05:44:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	105538	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	94774	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	43679	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	39515	26.873	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 107.480%	
7) Chloroethane-d5	2.885	69	26298	26.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.880%	
11) 1,1-Dichloroethene-d2	4.025	63	59836	25.473	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 101.880%	
21) 2-Butanone-d5	7.080	46	15686	46.768	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 93.540%	
24) Chloroform-d	7.653	84	68199	25.803	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 103.200%	
26) 1,2-Dichloroethane-d4	8.311	65	36812	25.459	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 101.840%	
32) Benzene-d6	8.274	84	129301	26.683	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 106.720%	
36) 1,2-Dichloropropane-d6	9.274	67	36028	26.754	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 107.000%	
41) Toluene-d8	10.323	98	126457	25.450	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 101.800%	
43) trans-1,3-Dichloroprop...	10.579	79	15434	25.240	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 100.960%	
47) 2-Hexanone-d5	10.926	63	12600	48.903	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 97.800%	
56) 1,1,2,2-Tetrachloroeth...	12.694	84	30500	24.481	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 97.920%	
66) 1,2-Dichlorobenzene-d4	13.853	152	39341	25.138	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 100.560%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	10487	20.343	ug/L	99
3) Chloromethane	2.215	50	25815	22.369	ug/L	98
5) Vinyl chloride	2.361	62	46587	23.237	ug/L	95
6) Bromomethane	2.782	94	28254	21.195	ug/L	92
8) Chloroethane	2.922	64	19296	23.094	ug/L	98
9) Trichlorofluoromethane	3.263	101	22615	23.361	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	31853	21.022	ug/L	90
12) 1,1-Dichloroethene	4.044	96	31111	22.711	ug/L	78
13) Acetone	4.135	43	11324	37.065	ug/L	91
14) Carbon disulfide	4.385	76	83534	21.969	ug/L	100
15) Methyl Acetate	4.672	43	11083	20.007	ug/L	# 89
16) Methylene chloride	4.921	84	33239	19.991	ug/L	82
17) trans-1,2-Dichloroethene	5.427	96	33265	22.807	ug/L	82
18) Methyl tert-butyl Ether	5.427	73	49905	22.669	ug/L	94
19) 1,1-Dichloroethane	6.220	63	53028	22.928	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	34433	22.252	ug/L	72
22) 2-Butanone	7.177	43	15619	36.942	ug/L	87
23) Bromochloromethane	7.519	128	16266	22.466	ug/L	# 65
25) Chloroform	7.683	83	59650	22.976	ug/L	98

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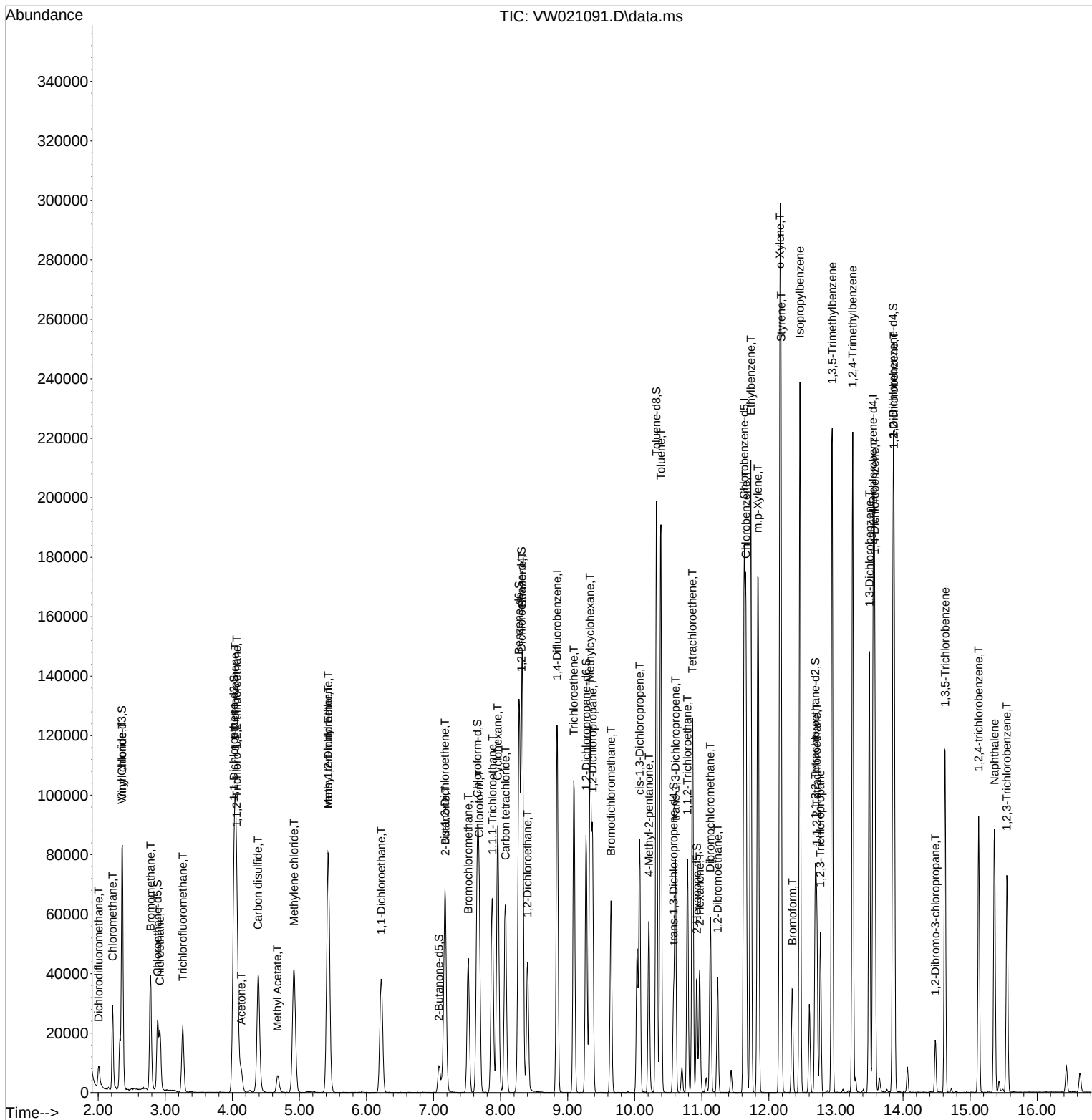
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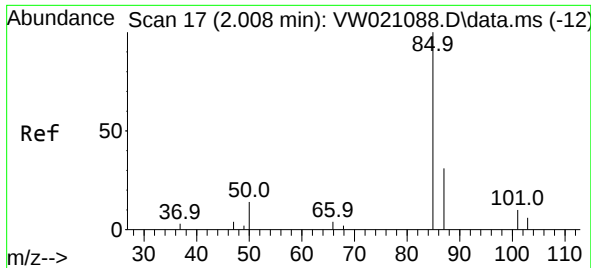
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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	38208	22.498	ug/L	98
29) Cyclohexane	7.957	56	45944	21.975	ug/L #	81
30) 1,1,1-Trichloroethane	7.878	97	53785	24.340	ug/L	94
31) Carbon tetrachloride	8.073	117	47930	23.342	ug/L	99
33) Benzene	8.323	78	123211	22.861	ug/L	100
34) Trichloroethene	9.091	95	35250	23.708	ug/L	96
35) Methylcyclohexane	9.335	83	50946	20.356	ug/L #	85
37) 1,2-Dichloropropane	9.372	63	28623	23.498	ug/L #	95
38) Bromodichloromethane	9.646	83	40449	23.622	ug/L #	99
39) cis-1,3-Dichloropropene	10.073	75	45166	22.923	ug/L	99
40) 4-Methyl-2-pentanone	10.213	43	36626	44.137	ug/L #	92
42) Toluene	10.390	91	139291	22.628	ug/L	98
44) trans-1,3-Dichloropropene	10.609	75	40059	22.472	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	23566	23.076	ug/L	94
46) Tetrachloroethene	10.859	164	29822	21.904	ug/L	93
48) 2-Hexanone	10.969	43	25473	42.553	ug/L #	95
49) Dibromochloromethane	11.128	129	29710	23.277	ug/L	93
50) 1,2-Dibromoethane	11.237	107	23904	22.953	ug/L	88
51) Chlorobenzene	11.658	112	82350	20.021	ug/L	98
52) Ethylbenzene	11.731	91	146790	21.182	ug/L	94
53) m,p-Xylene	11.835	106	57367	20.011	ug/L	90
54) o-Xylene	12.164	106	57243	21.178	ug/L	87
55) Styrene	12.182	104	90446	19.640	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.713	83	26965	21.952	ug/L #	94
59) Bromoform	12.353	173	16290	26.152	ug/L	97
60) Isopropylbenzene	12.463	105	151584	24.971	ug/L	96
61) 1,2,3-Trichloropropane	12.768	75	19577	26.756	ug/L #	92
62) 1,3,5-Trimethylbenzene	12.944	105	119108	23.430	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	117578	22.997	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	60149	21.044	ug/L	96
65) 1,4-Dichlorobenzene	13.578	146	63101	21.844	ug/L	92
67) 1,2-Dichlorobenzene	13.865	146	56937	22.373	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	3965	23.998	ug/L	89
69) 1,3,5-Trichlorobenzene	14.627	180	37971	18.076	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	27846	16.132	ug/L	99
71) Naphthalene	15.365	128	77728	24.223	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	25096	16.659	ug/L	98

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

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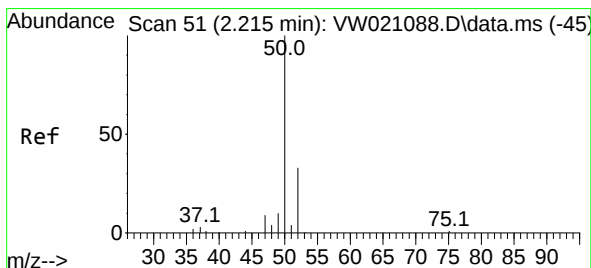
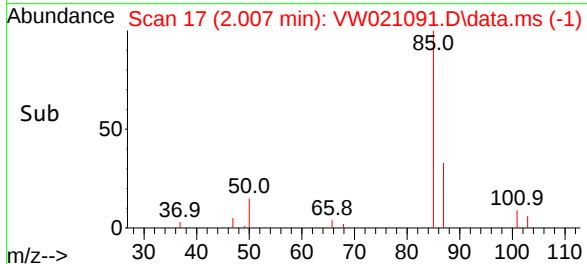
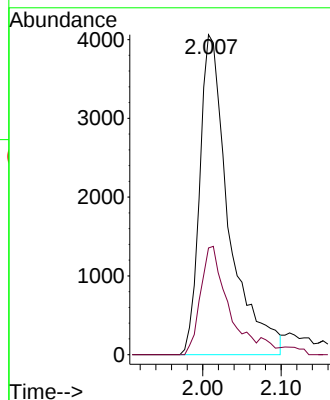
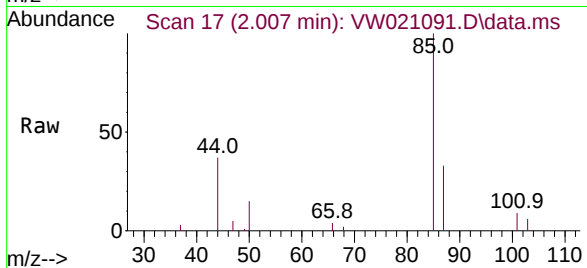




#2
Dichlorodifluoromethane
Concen: 20.343 ug/L
RT: 2.007 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

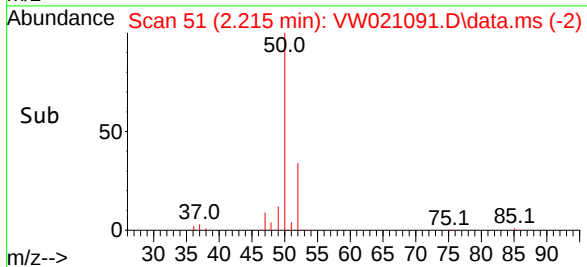
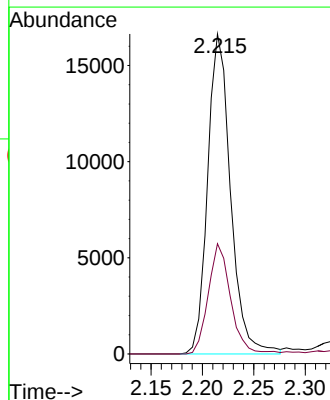
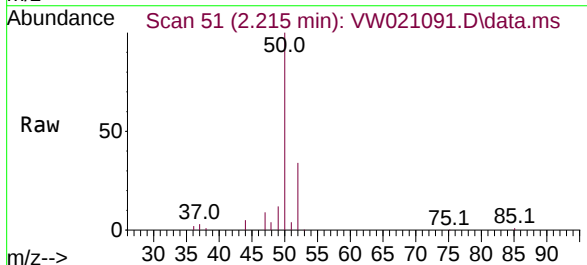
Instrument :
MSVOA_W
ClientSampleId :

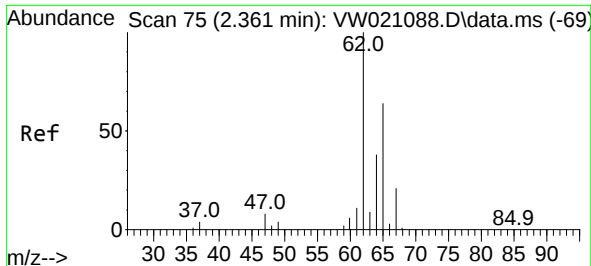
Tgt Ion: 85 Resp: 10487
Ion Ratio Lower Upper
85 100
87 31.5 25.8 38.6



#3
Chloromethane
Concen: 22.369 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion: 50 Resp: 25815
Ion Ratio Lower Upper
50 100
52 34.5 23.4 43.6

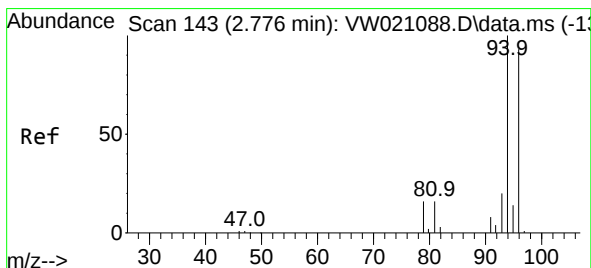
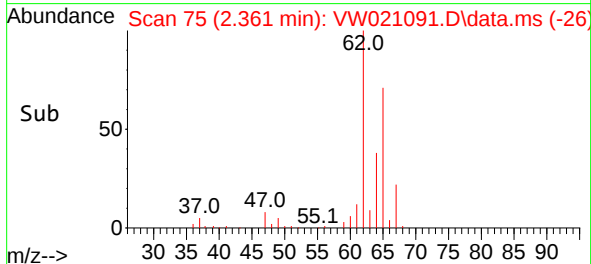
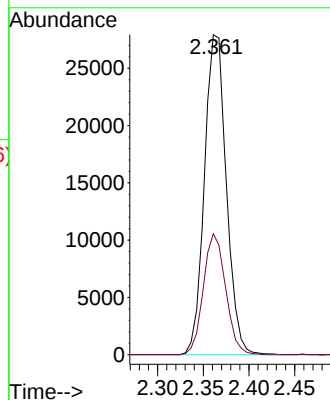
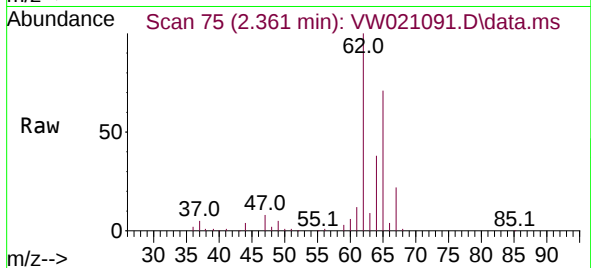




#5
 Vinyl chloride
 Concen: 23.237 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW021091.D
 Acq: 04 Dec 2021 02:52

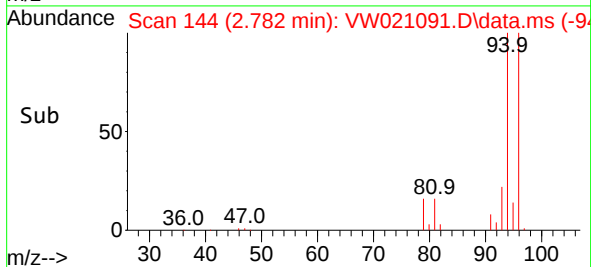
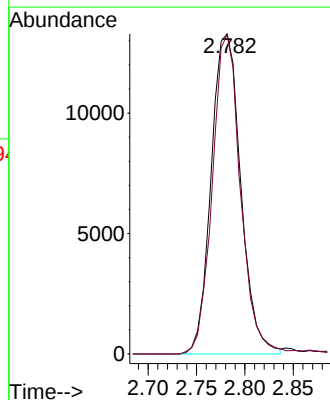
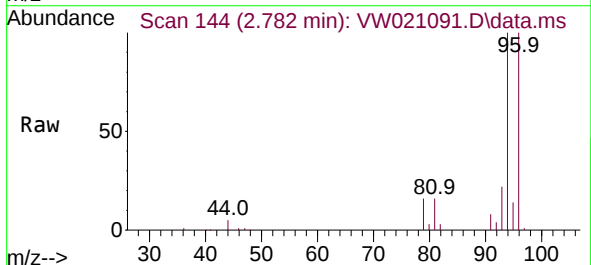
Instrument :
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 ClientSampleId :

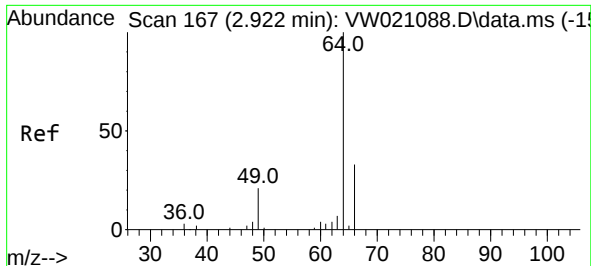
Tgt Ion: 62 Resp: 46587
 Ion Ratio Lower Upper
 62 100
 64 37.8 24.4 45.2



#6
 Bromomethane
 Concen: 21.195 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. 0.006 min
 Lab File: VW021091.D
 Acq: 04 Dec 2021 02:52

Tgt Ion: 94 Resp: 28254
 Ion Ratio Lower Upper
 94 100
 96 99.8 64.8 120.4

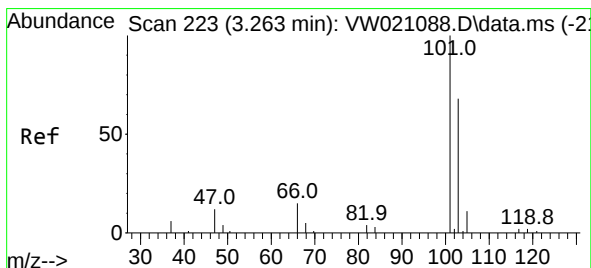
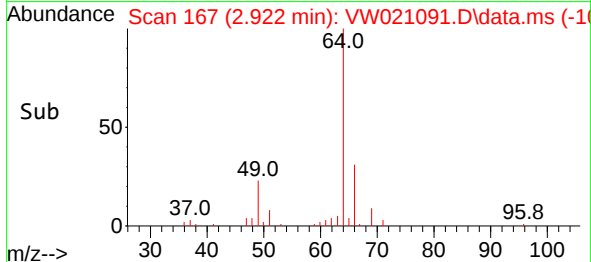
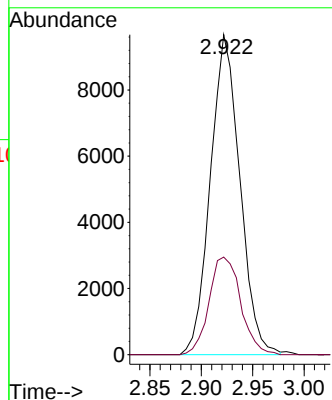
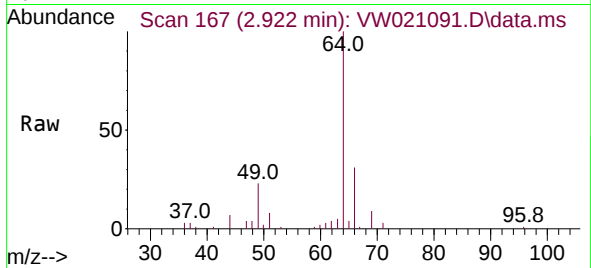




#8
Chloroethane
Concen: 23.094 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

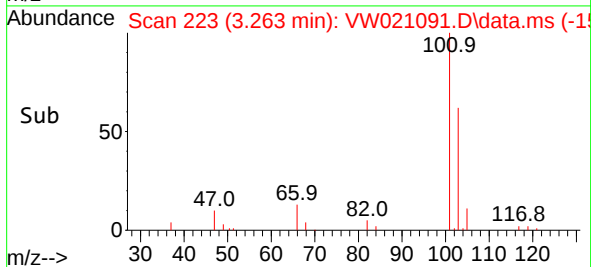
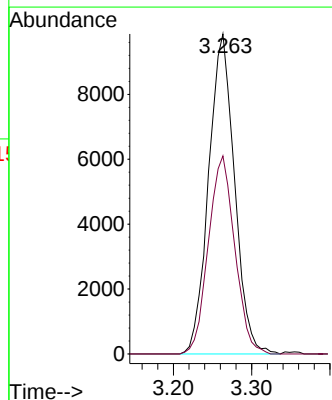
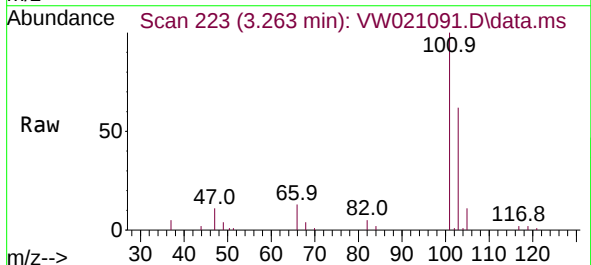
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ClientSampleId :

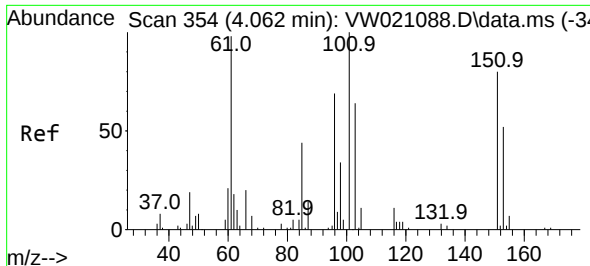
Tgt Ion: 64 Resp: 19296
Ion Ratio Lower Upper
64 100
66 30.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 23.361 ug/L
RT: 3.263 min Scan# 223
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion:101 Resp: 22615
Ion Ratio Lower Upper
101 100
103 63.1 51.4 77.2

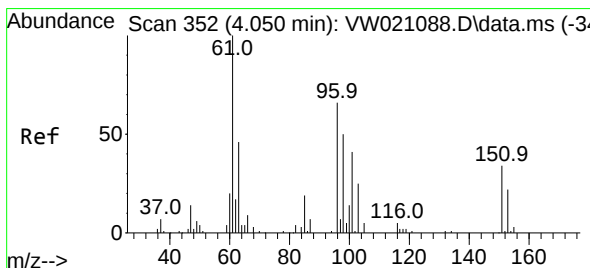
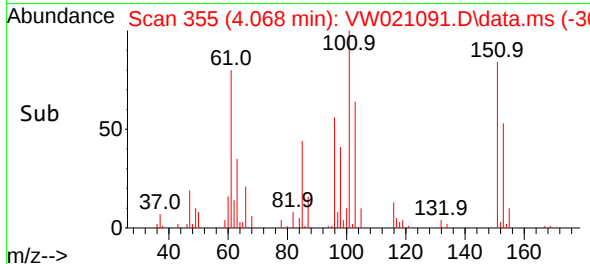
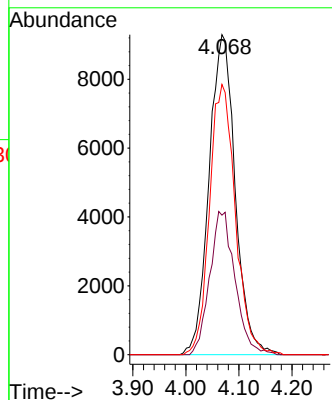
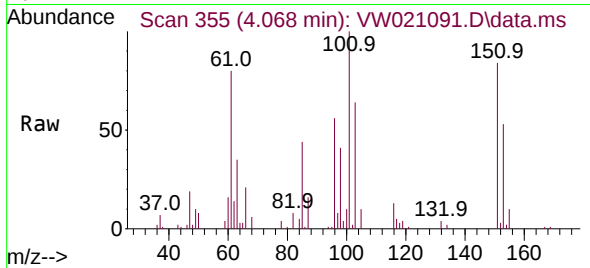




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.022 ug/L
 RT: 4.068 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VW021091.D
 Acq: 04 Dec 2021 02:52

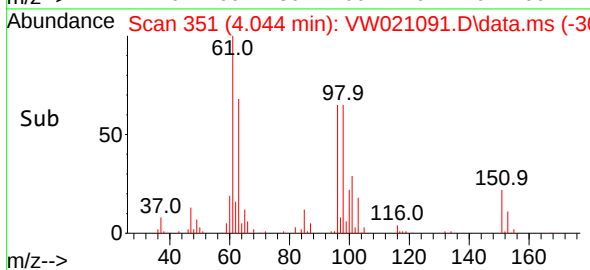
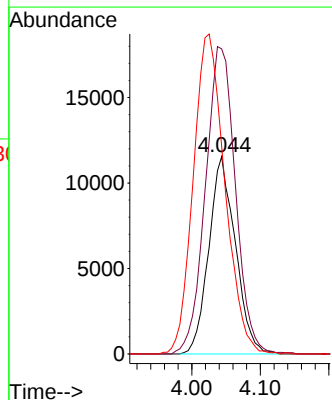
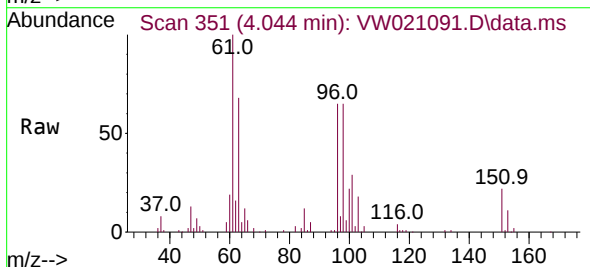
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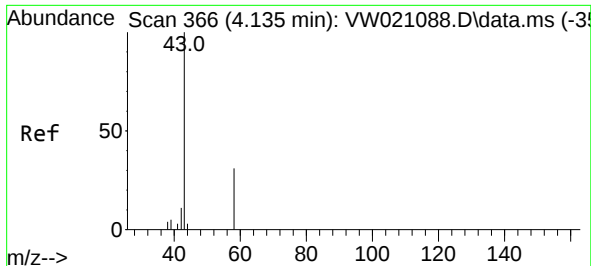
Tgt Ion:101 Resp: 31853
 Ion Ratio Lower Upper
 101 100
 85 43.3 36.6 54.8
 151 83.1 57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 22.711 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. -0.006 min
 Lab File: VW021091.D
 Acq: 04 Dec 2021 02:52

Tgt Ion: 96 Resp: 31111
 Ion Ratio Lower Upper
 96 100
 61 154.6 138.3 256.9
 63 105.3 82.6 153.4





#13

Acetone

Concen: 37.065 ug/L

RT: 4.135 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

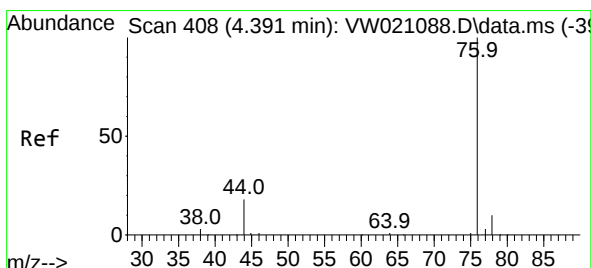
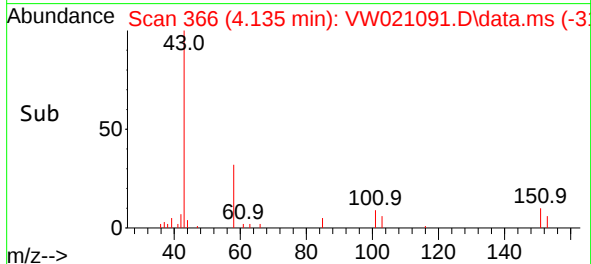
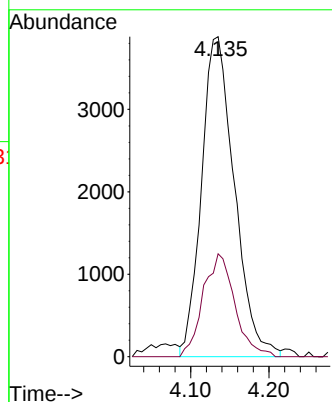
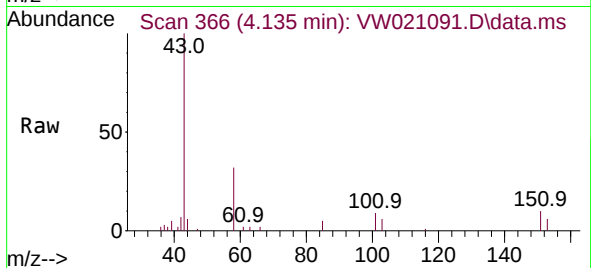
ClientSampleId :

Tgt Ion: 43 Resp: 11324

Ion Ratio Lower Upper

43 100

58 30.9 0.0 52.8



#14

Carbon disulfide

Concen: 21.969 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.006 min

Lab File: VW021091.D

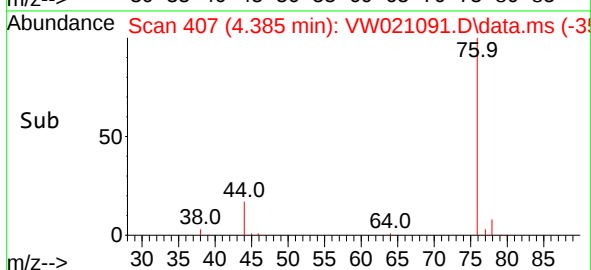
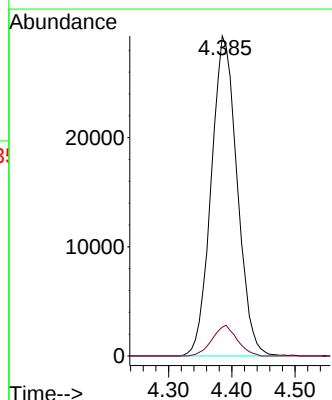
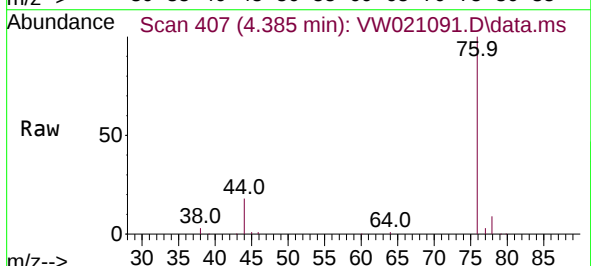
Acq: 04 Dec 2021 02:52

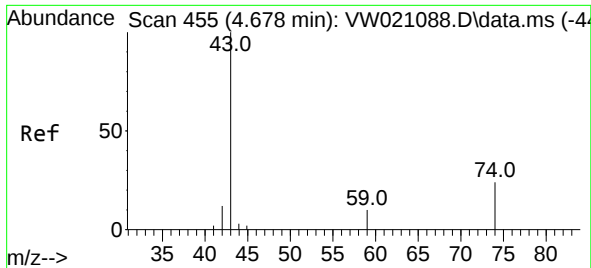
Tgt Ion: 76 Resp: 83534

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

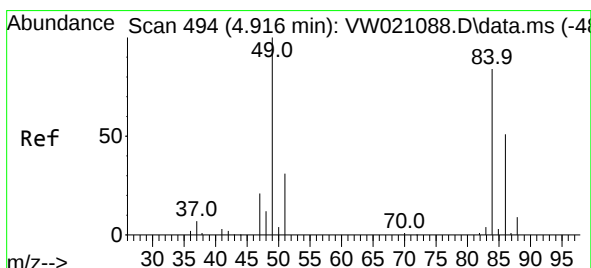
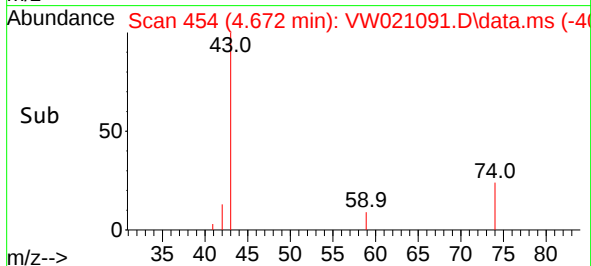
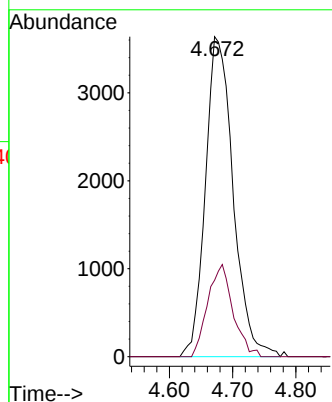
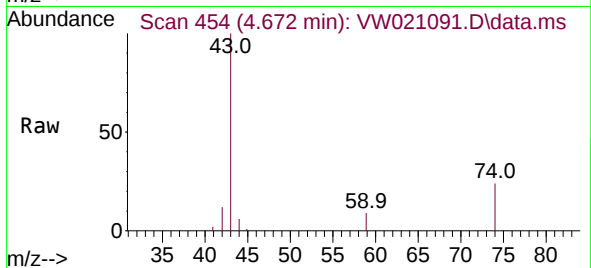




#15
Methyl Acetate
Concen: 20.007 ug/L
RT: 4.672 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

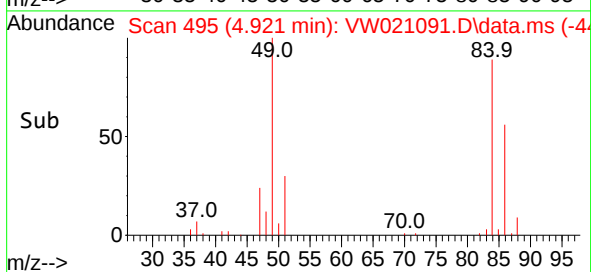
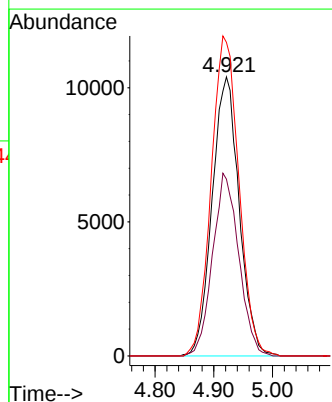
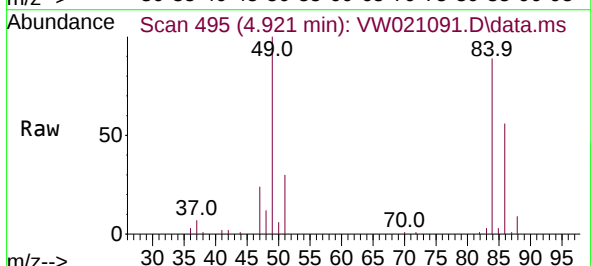
Instrument :
MSVOA_W
ClientSampleId :

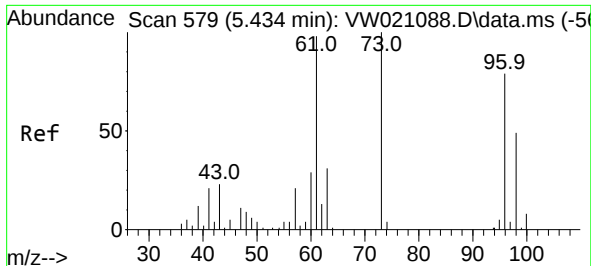
Tgt Ion: 43 Resp: 11083
Ion Ratio Lower Upper
43 100
74 25.8 16.4 24.6#



#16
Methylene chloride
Concen: 19.991 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion: 84 Resp: 33239
Ion Ratio Lower Upper
84 100
86 63.3 45.5 84.5
49 112.3 100.5 186.7





#17

trans-1,2-Dichloroethene

Concen: 22.807 ug/L

RT: 5.427 min Scan# 579

Delta R.T. -0.006 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

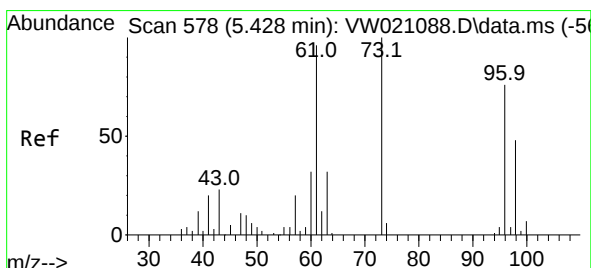
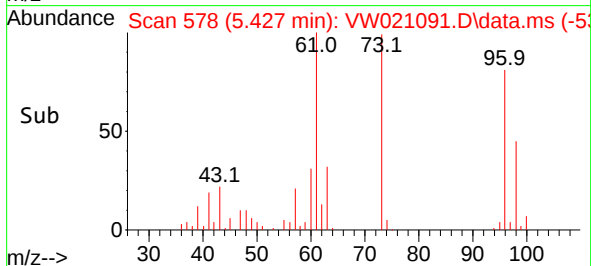
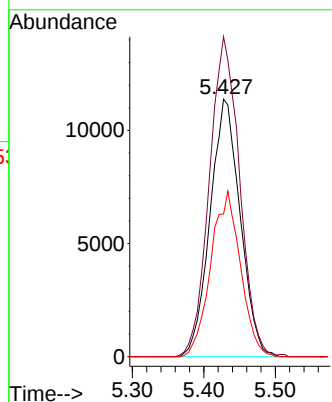
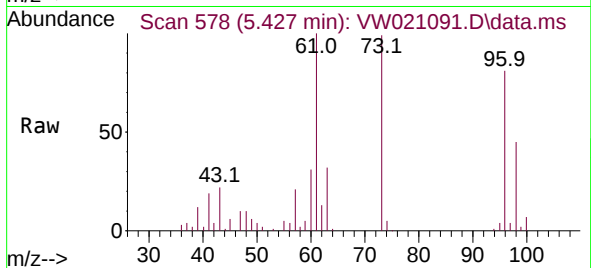
Tgt Ion: 96 Resp: 33265

Ion Ratio Lower Upper

96 100

61 124.2 107.4 199.4

98 55.3 41.2 76.6



#18

Methyl tert-butyl Ether

Concen: 22.669 ug/L

RT: 5.427 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

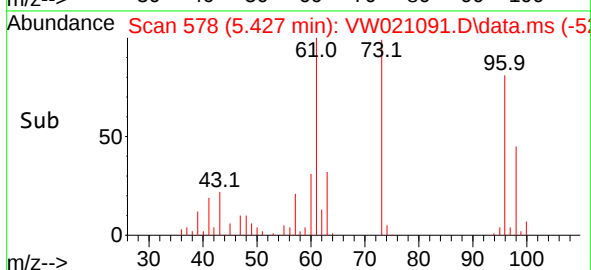
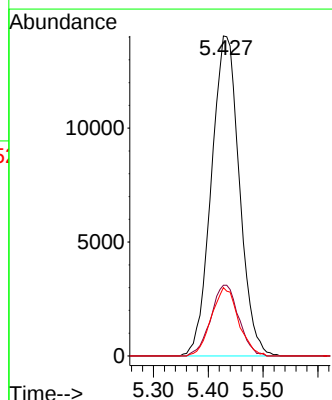
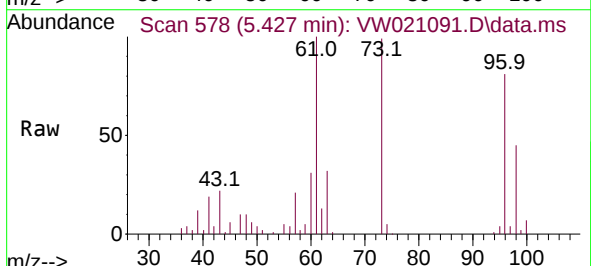
Tgt Ion: 73 Resp: 49905

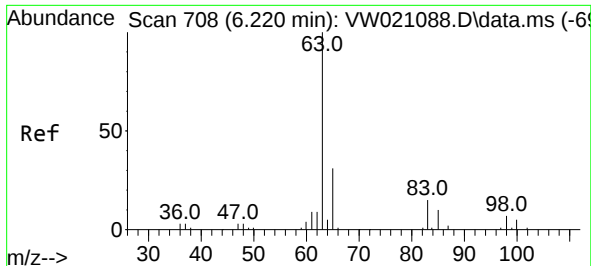
Ion Ratio Lower Upper

73 100

43 21.8 19.5 29.3

57 20.6 19.3 28.9





#19

1,1-Dichloroethane

Concen: 22.928 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW021091.D

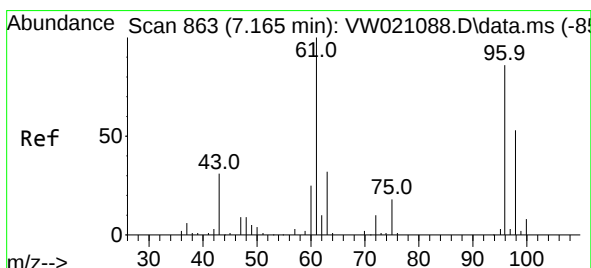
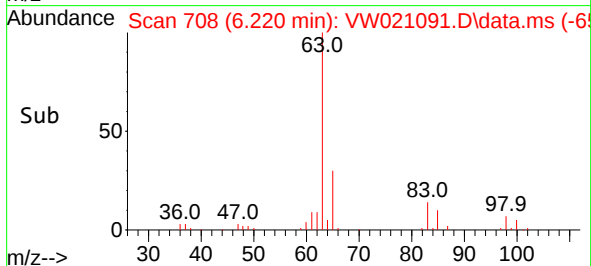
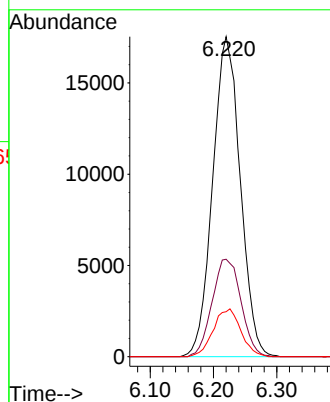
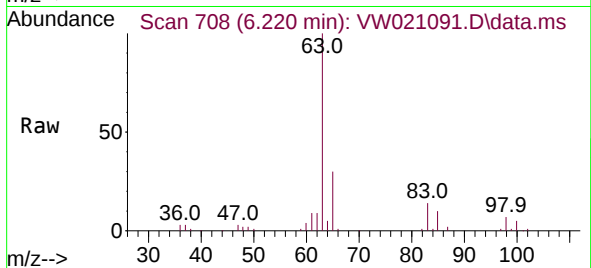
Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 63	Resp: 53028
Ion Ratio	Lower Upper
63 100	
65 30.5	22.1 41.1
83 14.1	9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 22.252 ug/L

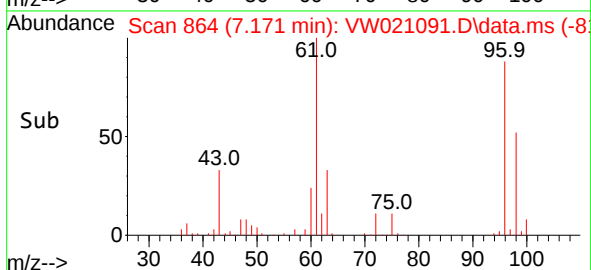
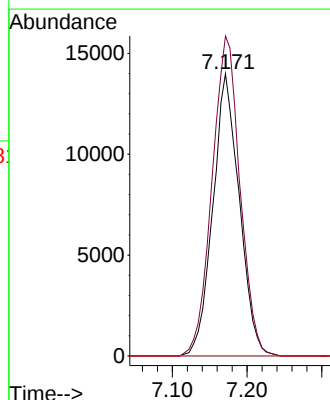
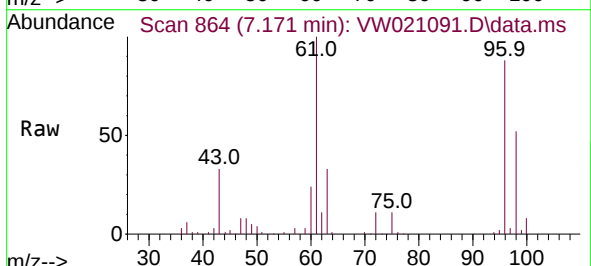
RT: 7.171 min Scan# 864

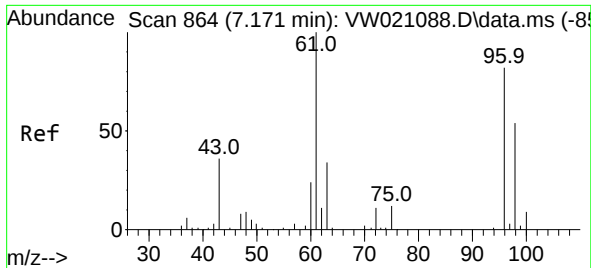
Delta R.T. 0.006 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Tgt Ion: 96	Resp: 34433
Ion Ratio	Lower Upper
96 100	
61 113.4	103.7 192.7
68 0.0	0.0 0.0

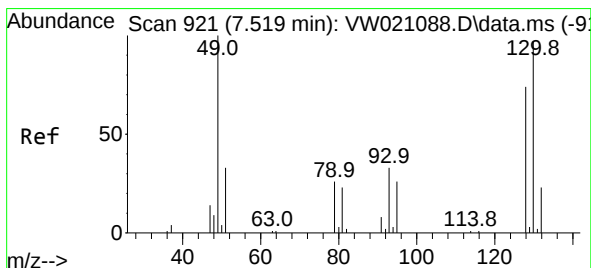
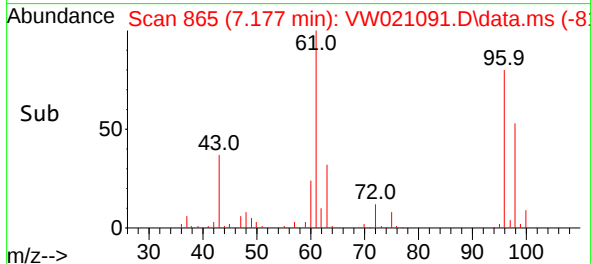
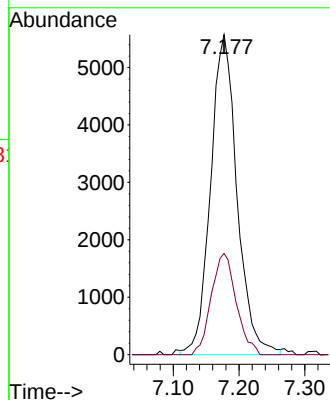
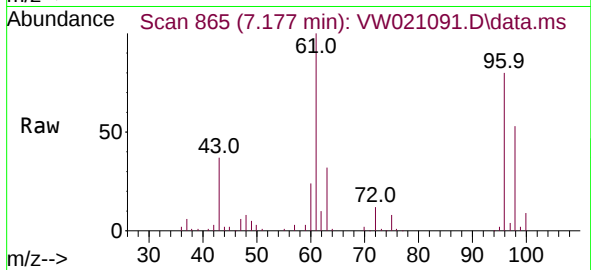




#22
2-Butanone
Concen: 36.942 ug/L
RT: 7.177 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

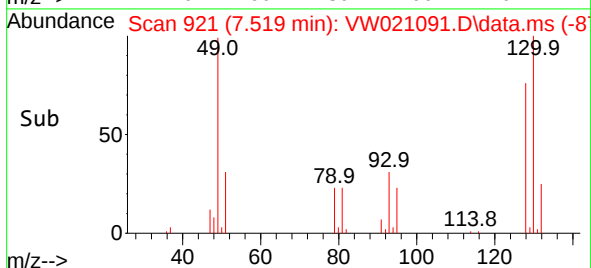
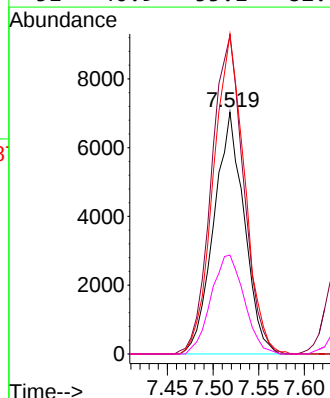
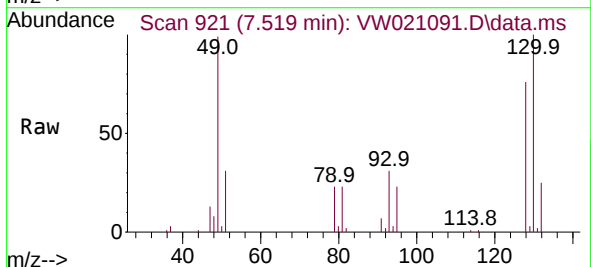
Instrument :
MSVOA_W
ClientSampleId :

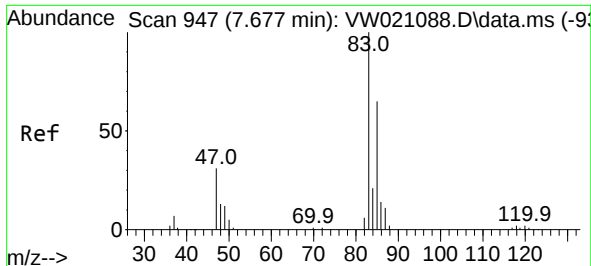
Tgt Ion: 43 Resp: 15619
Ion Ratio Lower Upper
43 100
72 29.8 11.8 35.4



#23
Bromochloromethane
Concen: 22.466 ug/L
RT: 7.519 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion: 128 Resp: 16266
Ion Ratio Lower Upper
128 100
49 131.6 150.3 279.1#
130 132.4 88.3 163.9
51 40.9 55.1 82.7#

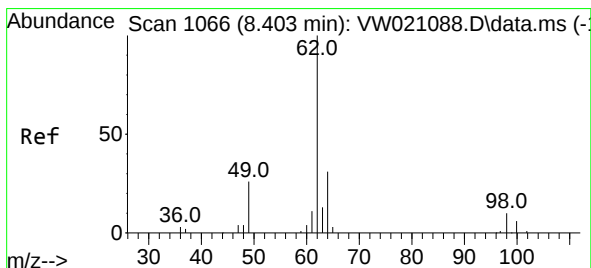
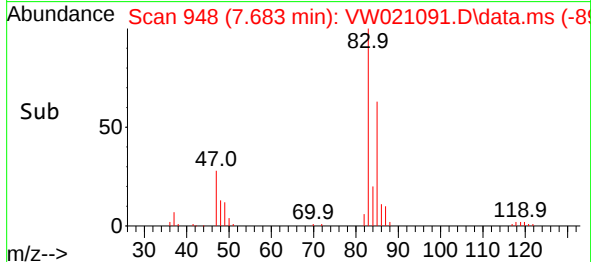
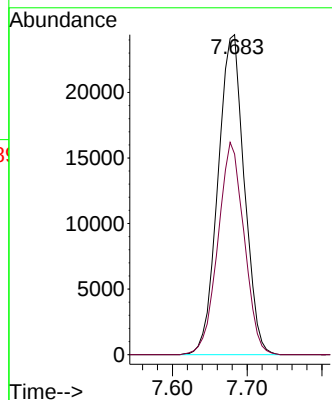
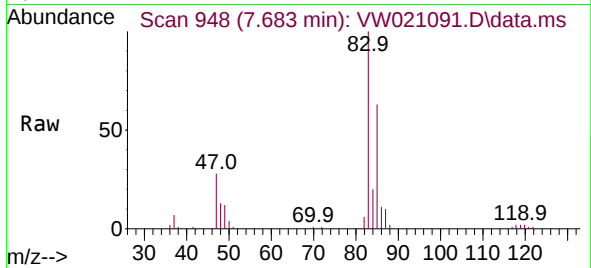




#25
Chloroform
Concen: 22.976 ug/L
RT: 7.683 min Scan# 947
Delta R.T. 0.006 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

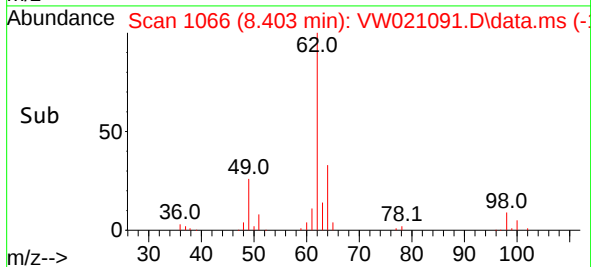
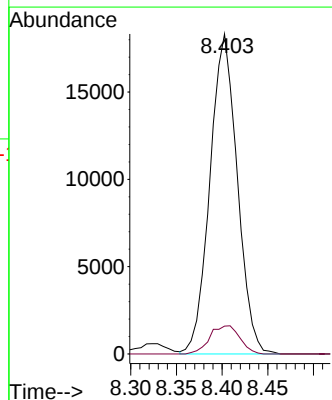
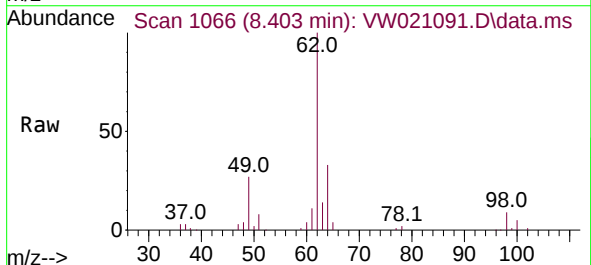
Instrument :
MSVOA_W
ClientSampleId :

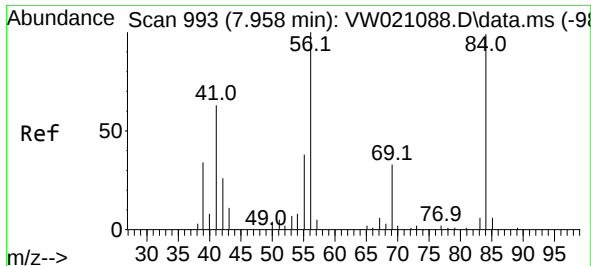
Tgt Ion: 83 Resp: 59650
Ion Ratio Lower Upper
83 100
85 62.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 22.498 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

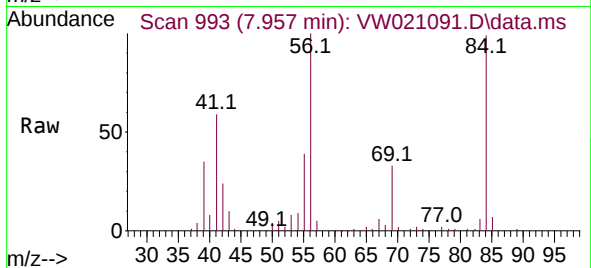
Tgt Ion: 62 Resp: 38208
Ion Ratio Lower Upper
62 100
98 8.7 6.5 9.7



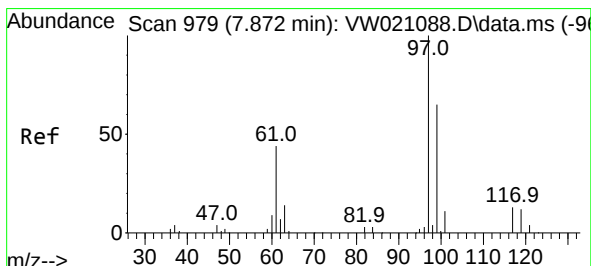
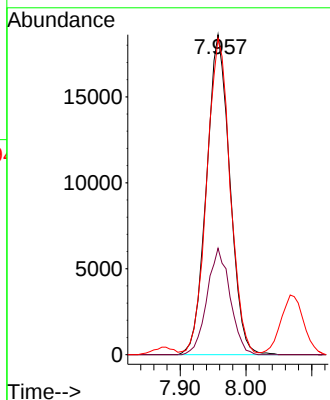
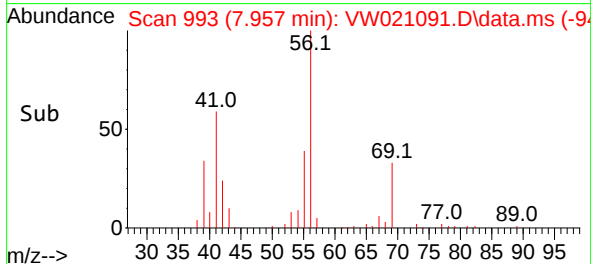


#29
Cyclohexane
Concen: 21.975 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

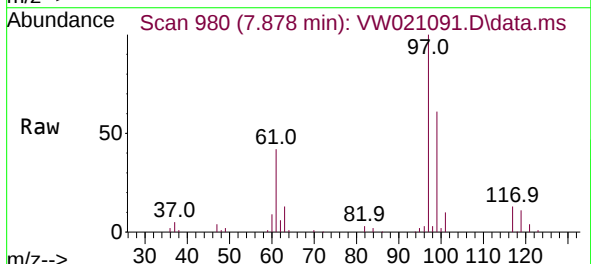
Instrument :
MSVOA_W
ClientSampleId :



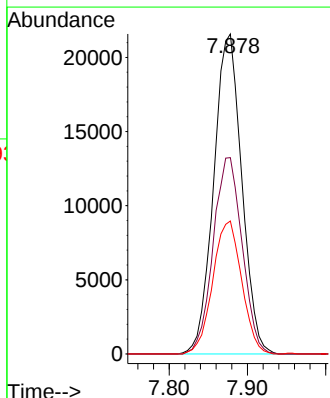
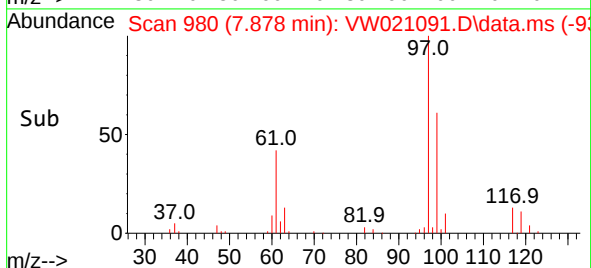
Tgt Ion: 56 Resp: 45944
Ion Ratio Lower Upper
56 100
69 32.8 23.5 35.3
84 99.7 63.4 95.2#

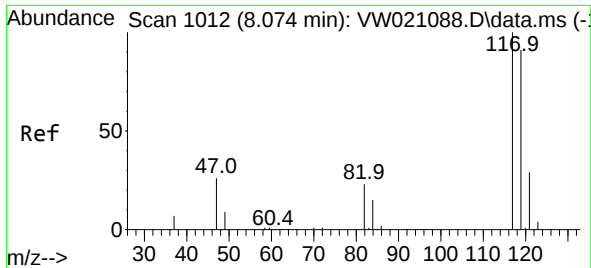


#30
1,1,1-Trichloroethane
Concen: 24.340 ug/L
RT: 7.878 min Scan# 980
Delta R.T. 0.006 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52



Tgt Ion: 97 Resp: 53785
Ion Ratio Lower Upper
97 100
99 63.3 51.6 77.4
61 42.8 40.9 61.3

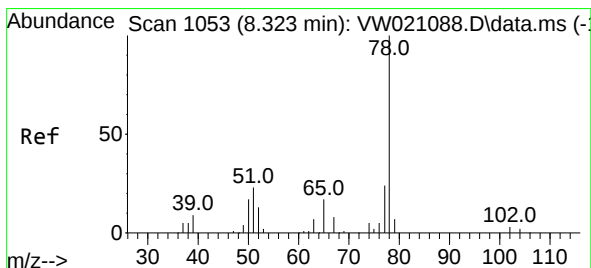
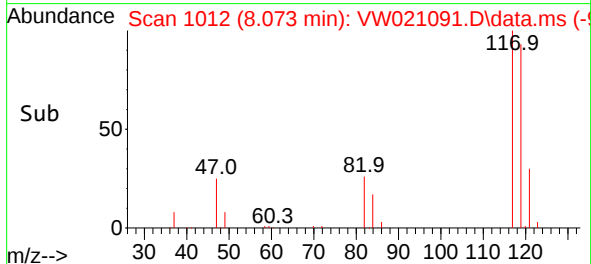
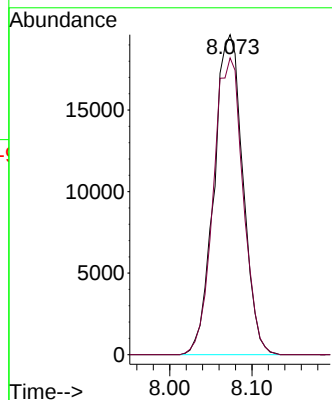
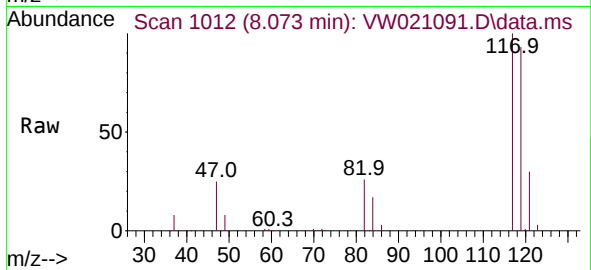




#31
Carbon tetrachloride
Concen: 23.342 ug/L
RT: 8.073 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

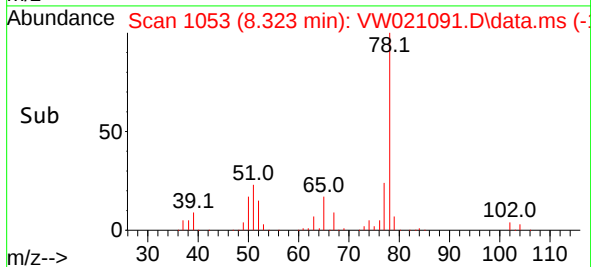
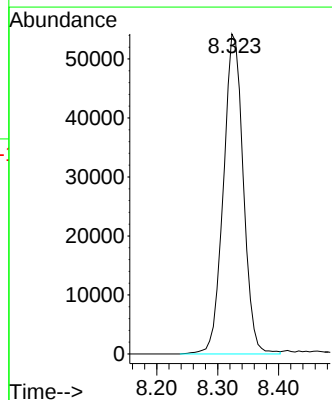
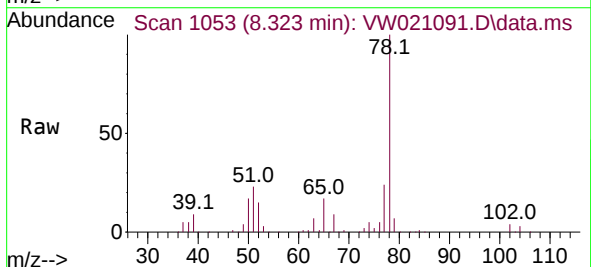
Instrument :
MSVOA_W
ClientSampleId :

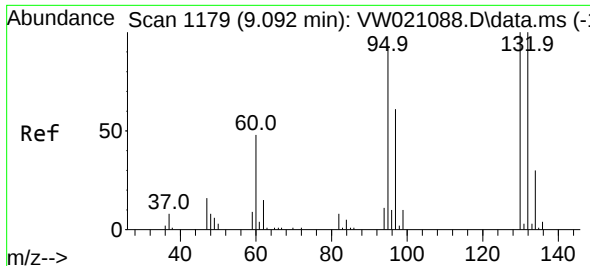
Tgt Ion:117 Resp: 47930
Ion Ratio Lower Upper
117 100
119 95.5 75.7 113.5



#33
Benzene
Concen: 22.861 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion: 78 Resp: 123211





#34

Trichloroethene

Concen: 23.708 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 35250

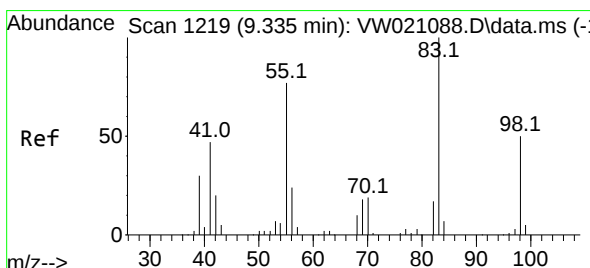
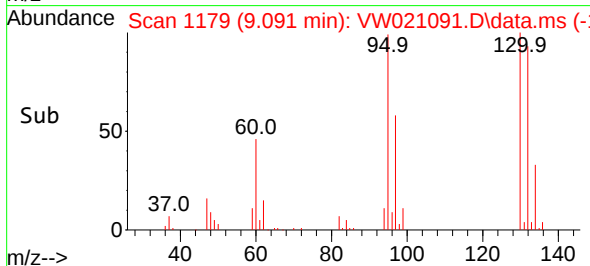
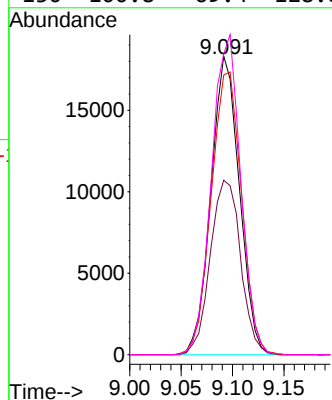
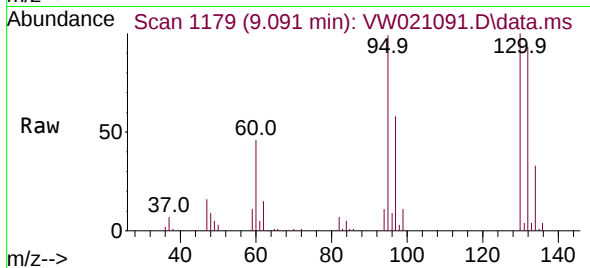
Ion Ratio Lower Upper

95 100

97 58.4 47.0 87.2

132 93.7 65.5 121.6

130 100.8 69.4 128.8



#35

Methylcyclohexane

Concen: 20.356 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

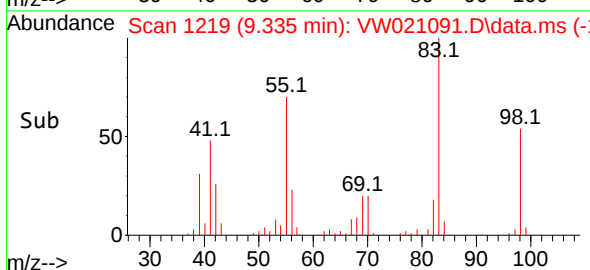
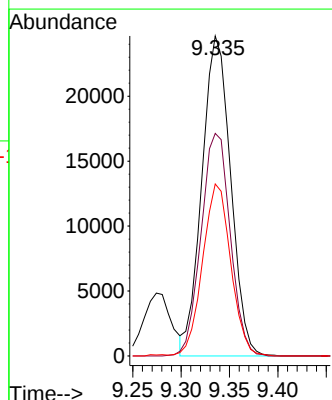
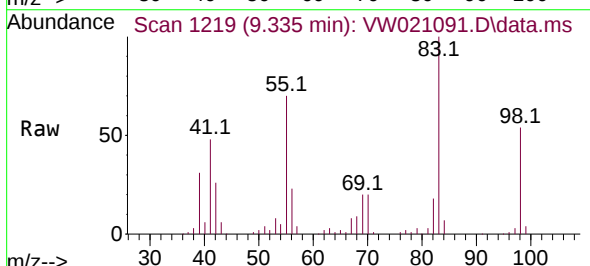
Tgt Ion: 83 Resp: 50946

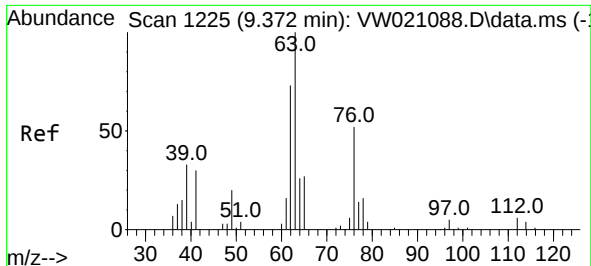
Ion Ratio Lower Upper

83 100

55 70.5 70.8 106.2#

98 52.7 37.7 56.5





#37

1,2-Dichloropropane

Concen: 23.498 ug/L

RT: 9.372 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

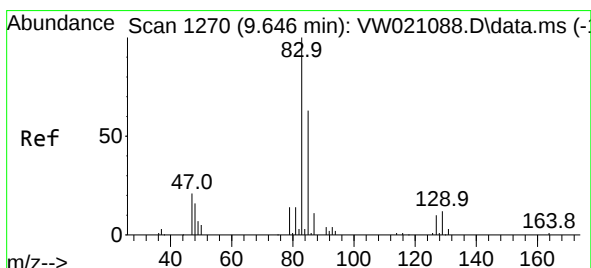
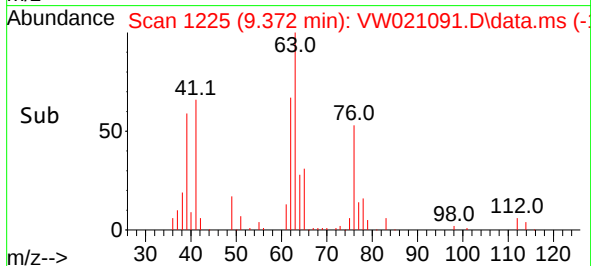
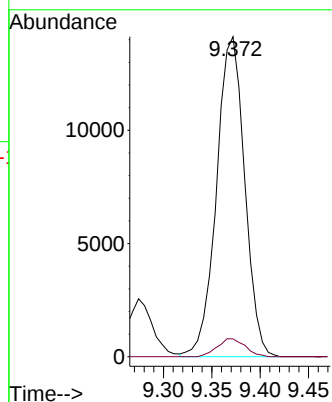
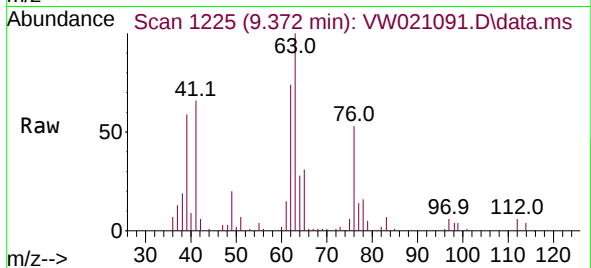
ClientSampleId :

Tgt Ion: 63 Resp: 28623

Ion Ratio Lower Upper

63 100

112 5.5 3.2 4.8#



#38

Bromodichloromethane

Concen: 23.622 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

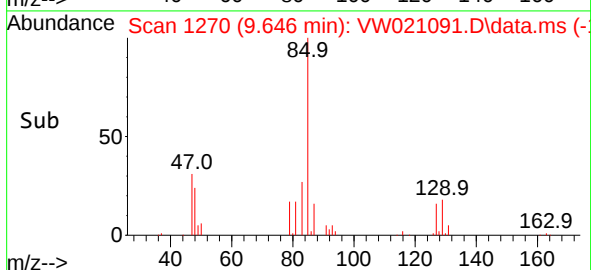
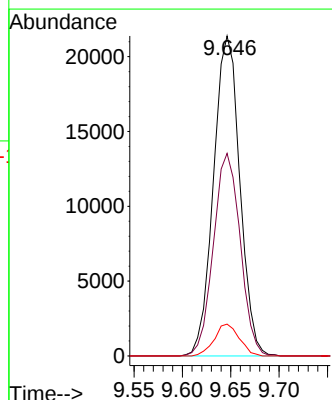
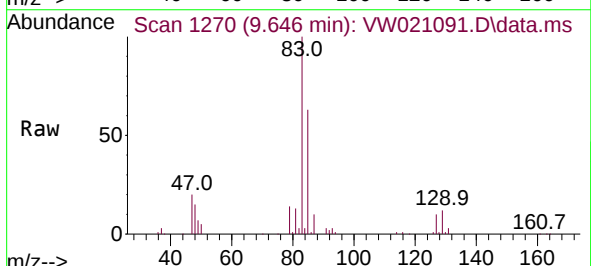
Tgt Ion: 83 Resp: 40449

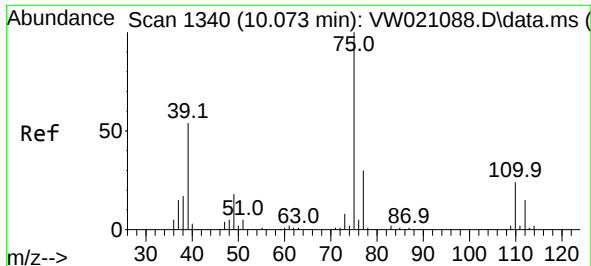
Ion Ratio Lower Upper

83 100

85 63.3 44.1 81.9

127 9.9 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 22.923 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

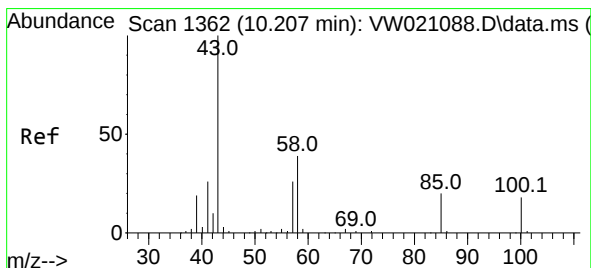
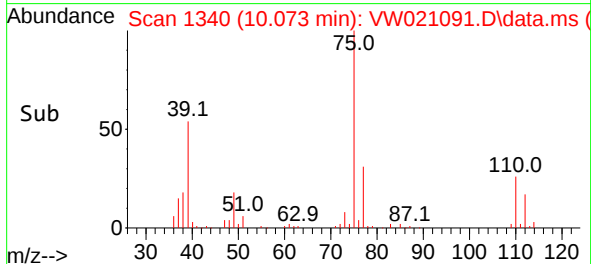
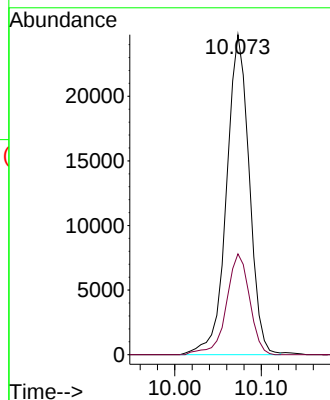
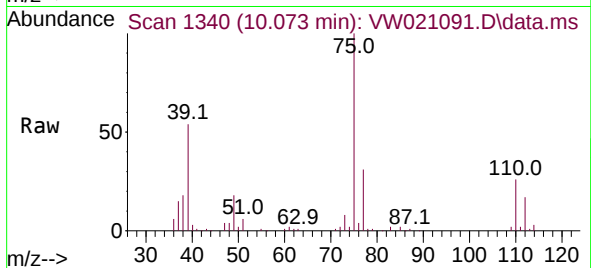
ClientSampleId :

Tgt Ion: 75 Resp: 45166

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 44.137 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

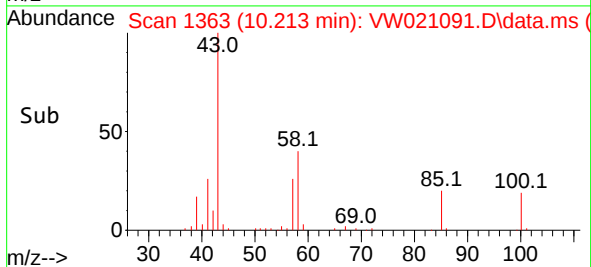
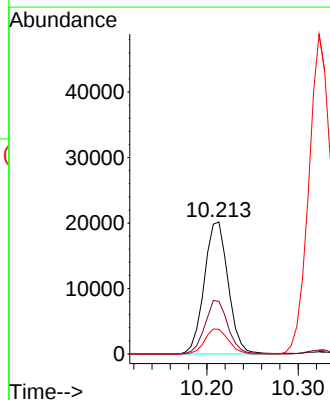
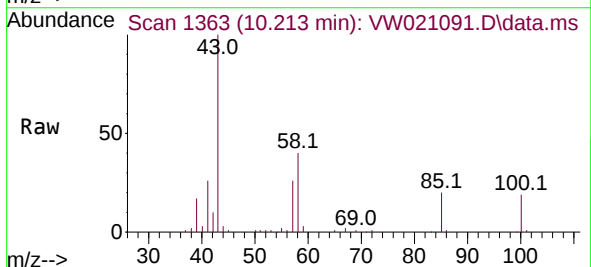
Tgt Ion: 43 Resp: 36626

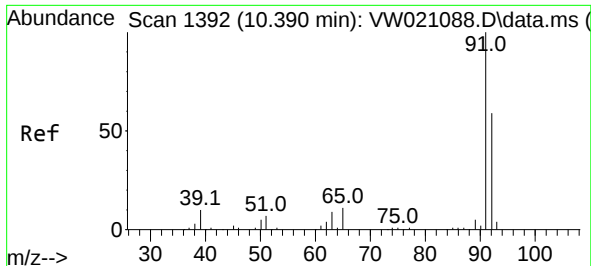
Ion Ratio Lower Upper

43 100

58 38.9 28.8 43.2

100 18.6 10.0 15.0#

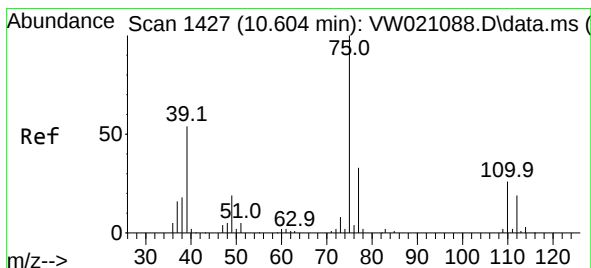
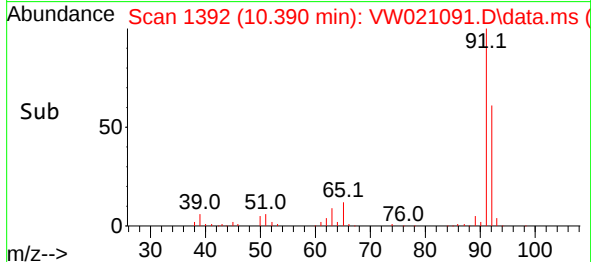
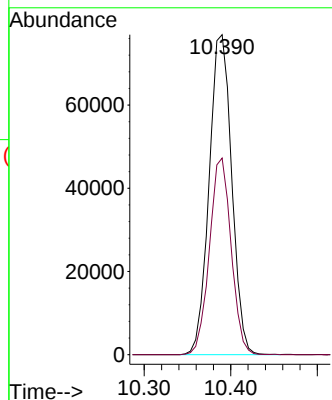
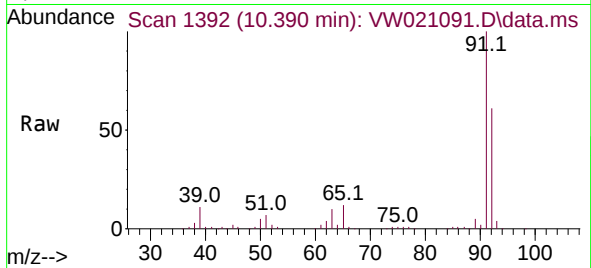




#42
Toluene
Concen: 22.628 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

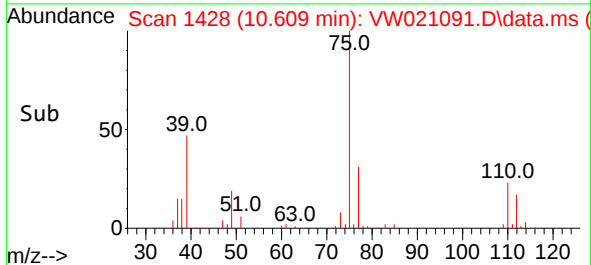
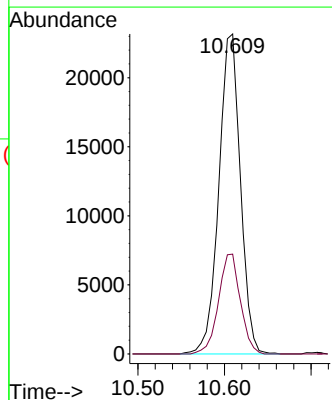
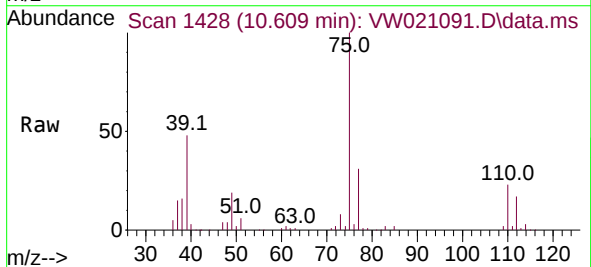
Instrument :
MSVOA_W
ClientSampleId :

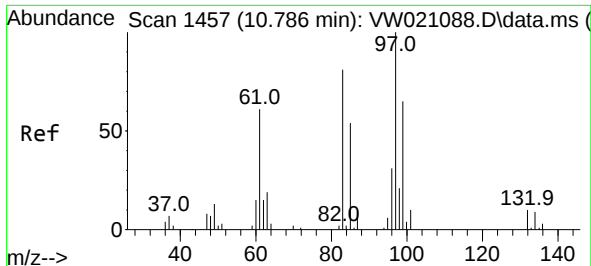
Tgt Ion: 91 Resp: 139291
Ion Ratio Lower Upper
91 100
92 61.5 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 22.472 ug/L
RT: 10.609 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion: 75 Resp: 40059
Ion Ratio Lower Upper
75 100
77 31.2 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 23.076 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 23566

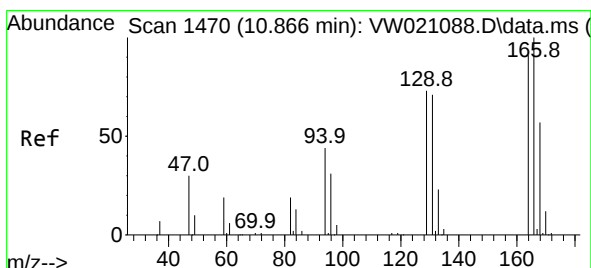
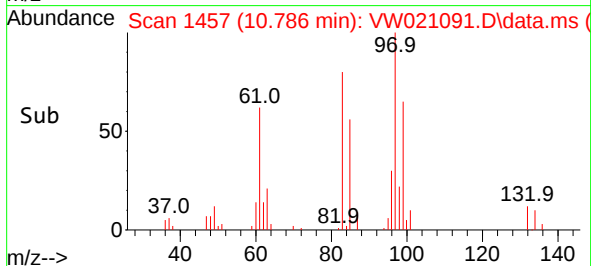
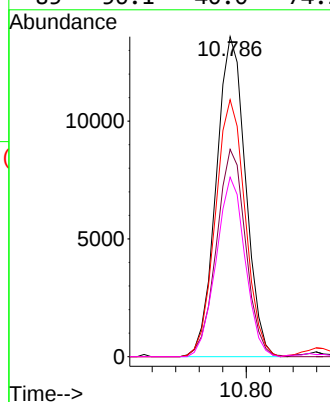
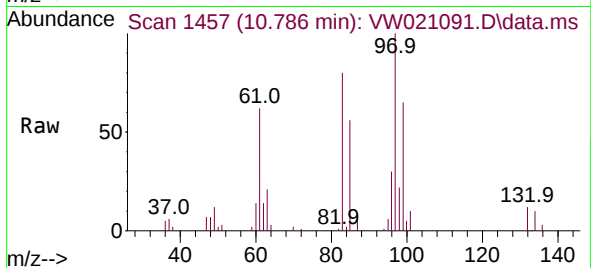
Ion Ratio Lower Upper

97 100

99 64.8 43.0 79.8

83 80.3 62.6 116.3

85 56.1 40.0 74.2



#46

Tetrachloroethene

Concen: 21.904 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Tgt Ion: 164 Resp: 29822

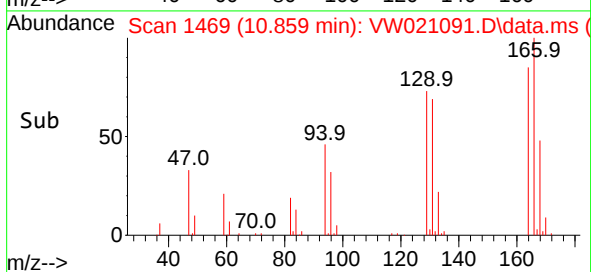
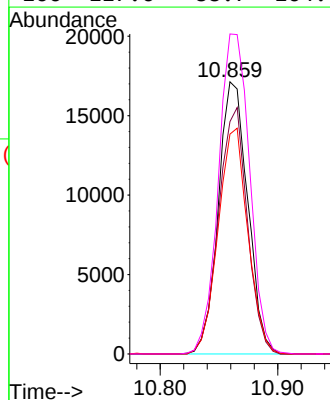
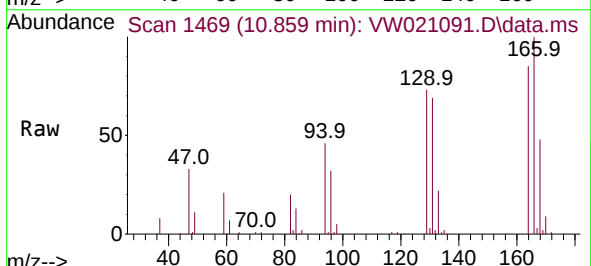
Ion Ratio Lower Upper

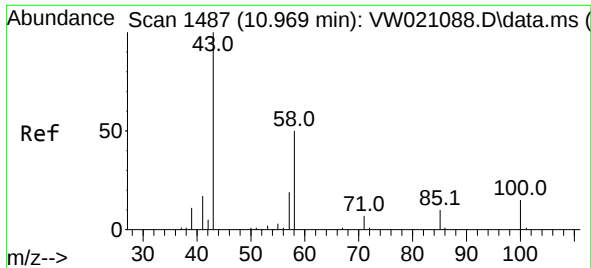
164 100

129 85.4 65.5 121.7

131 80.7 59.7 110.9

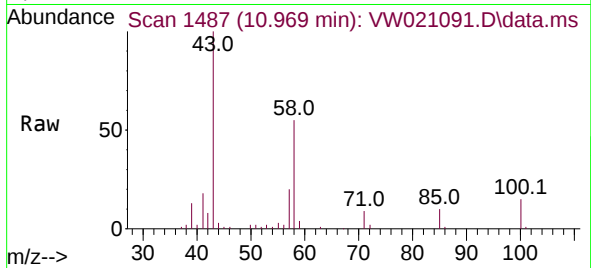
166 117.6 88.7 164.7



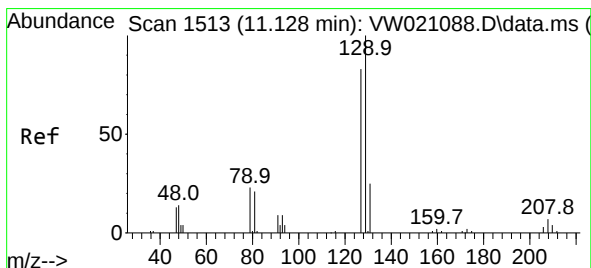
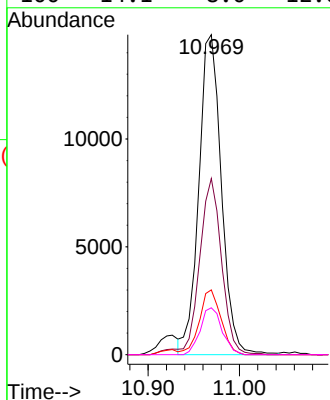
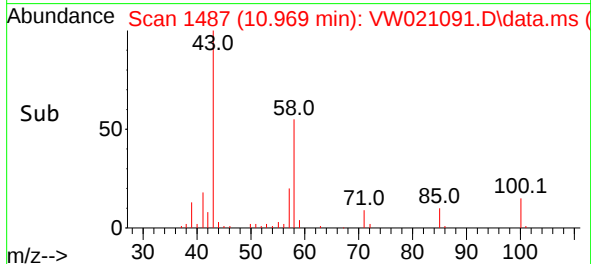


#48
2-Hexanone
Concen: 42.553 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Instrument :
MSVOA_W
ClientSampleId :

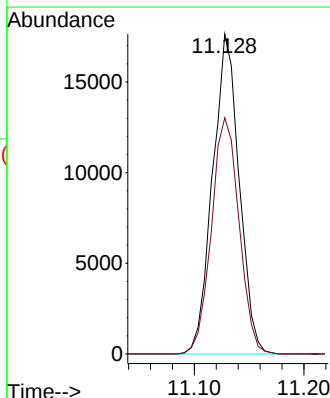
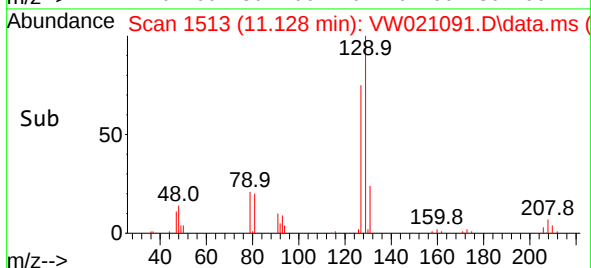
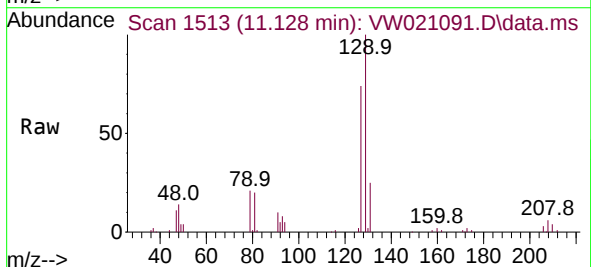


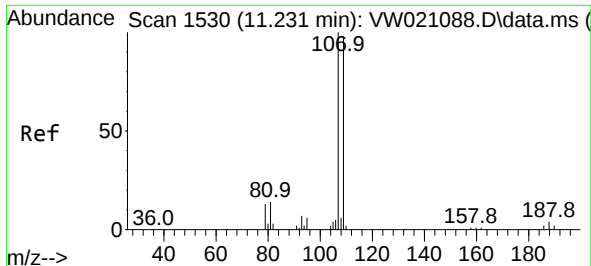
Tgt Ion: 43 Resp: 25473
Ion Ratio Lower Upper
43 100
58 52.8 40.2 60.2
57 19.5 14.3 21.5
100 14.1 8.0 12.0#



#49
Dibromochloromethane
Concen: 23.277 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion: 129 Resp: 29710
Ion Ratio Lower Upper
129 100
127 73.8 55.7 103.5





#50

1,2-Dibromoethane

Concen: 22.953 ug/L

RT: 11.237 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021091.D

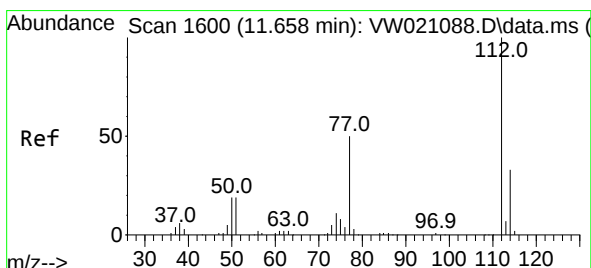
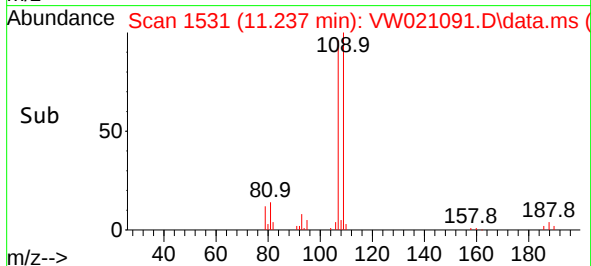
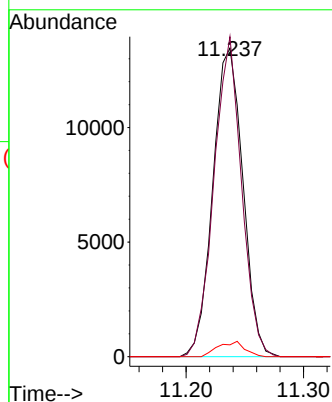
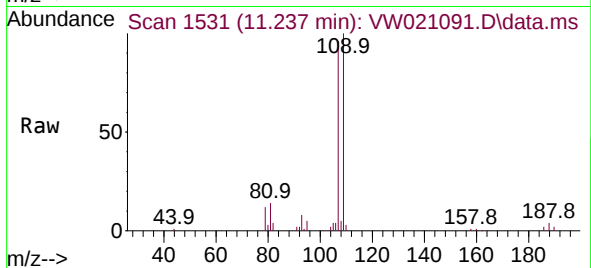
Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:107	Resp:	23904
Ion Ratio	Lower	Upper
107	100	
109	103.7	64.1 119.1
188	3.8	2.6 3.8



#51

Chlorobenzene

Concen: 20.021 ug/L

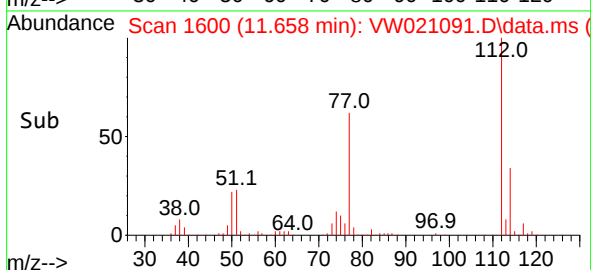
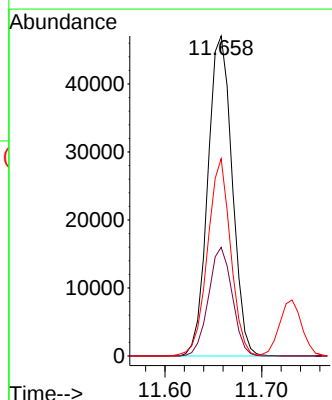
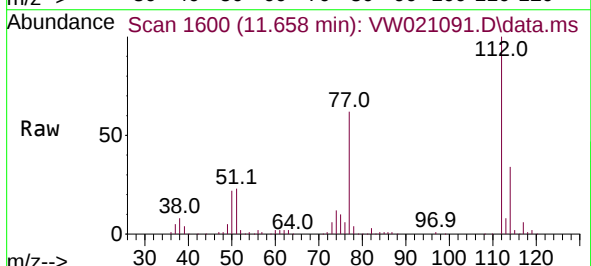
RT: 11.658 min Scan# 1600

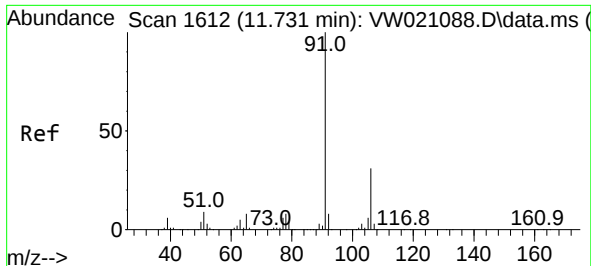
Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Tgt Ion:112	Resp:	82350
Ion Ratio	Lower	Upper
112	100	
114	34.0	22.4 41.6
77	61.7	50.2 75.4





#52

Ethylbenzene

Concen: 21.182 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

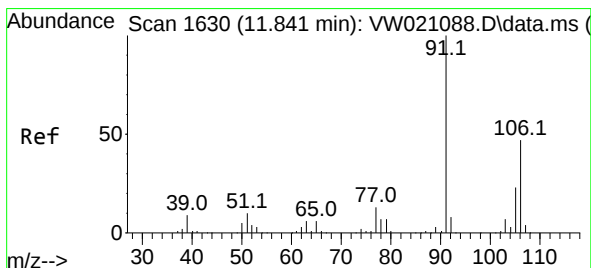
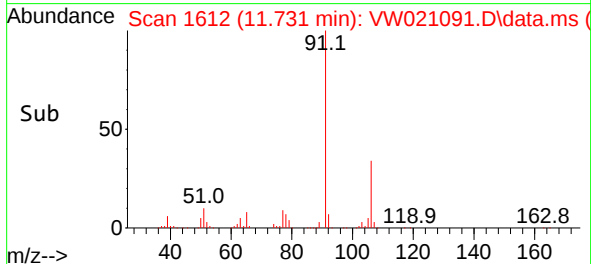
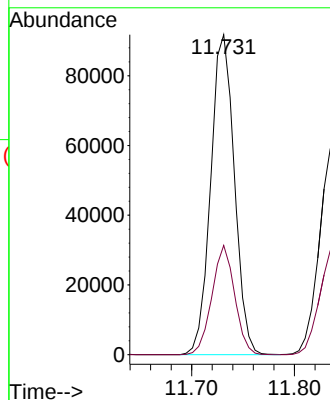
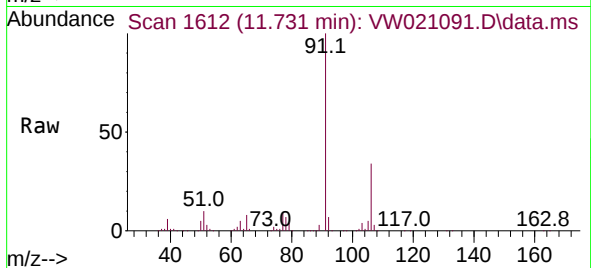
ClientSampleId :

Tgt Ion: 91 Resp: 146790

Ion Ratio Lower Upper

91 100

106 34.1 21.5 39.9



#53

m,p-Xylene

Concen: 20.011 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021091.D

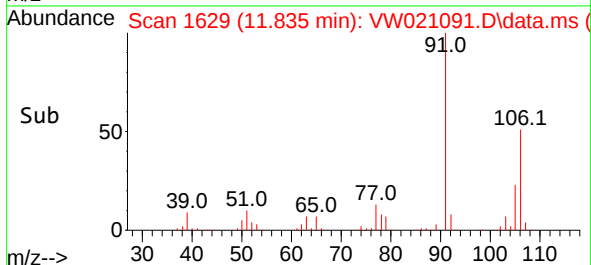
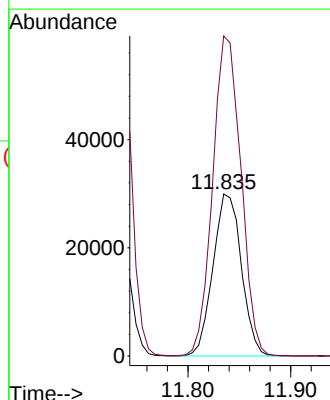
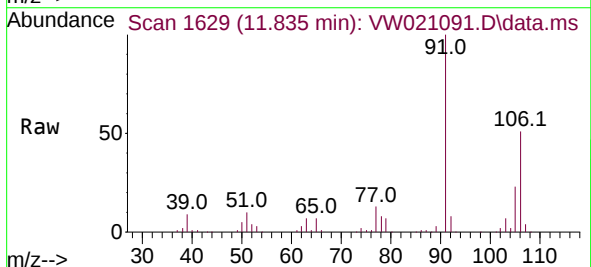
Acq: 04 Dec 2021 02:52

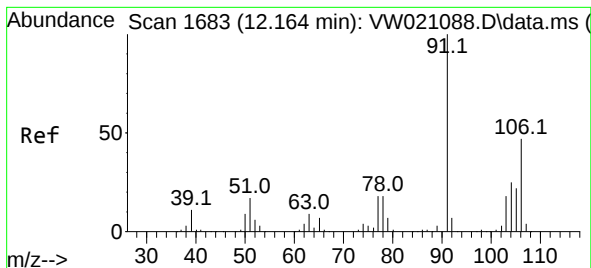
Tgt Ion:106 Resp: 57367

Ion Ratio Lower Upper

106 100

91 197.7 149.9 278.3





#54

o-Xylene

Concen: 21.178 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

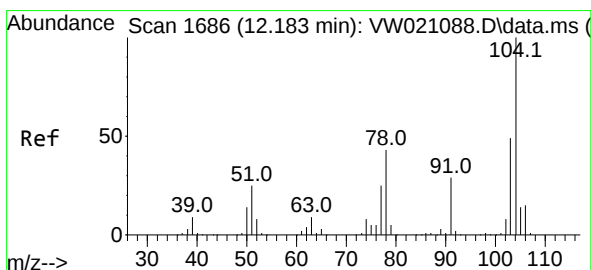
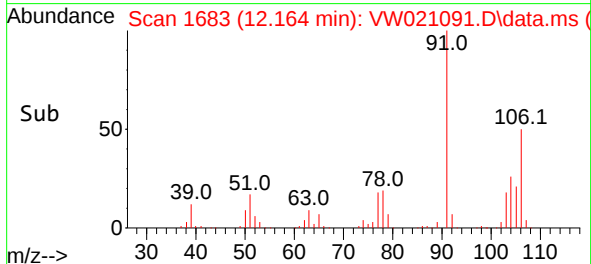
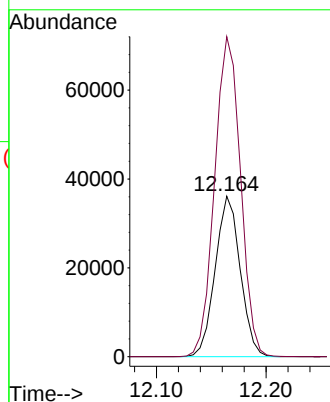
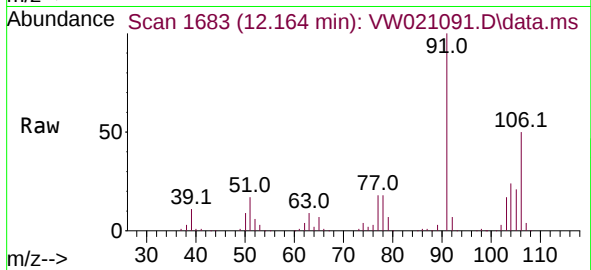
ClientSampleId :

Tgt Ion:106 Resp: 57243

Ion Ratio Lower Upper

106 100

91 199.4 153.6 285.3



#55

Styrene

Concen: 19.640 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VW021091.D

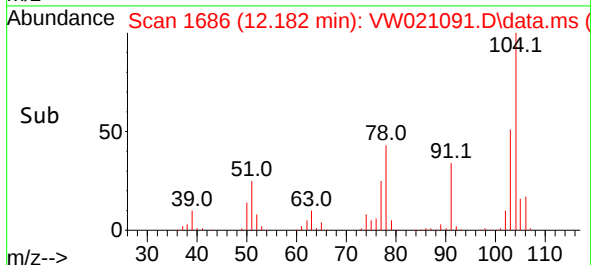
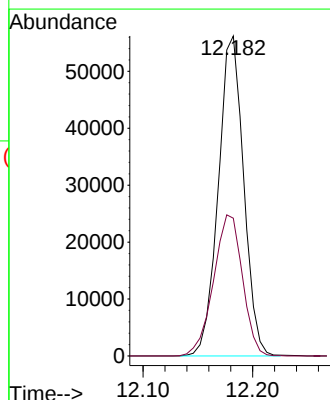
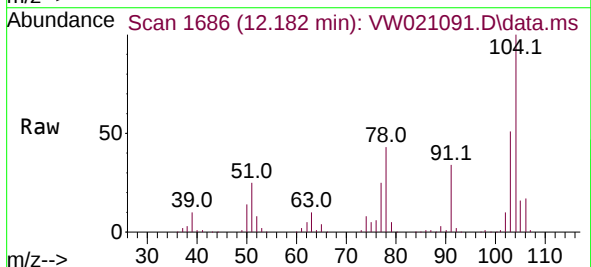
Acq: 04 Dec 2021 02:52

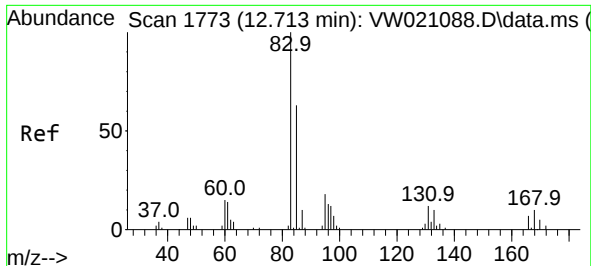
Tgt Ion:104 Resp: 90446

Ion Ratio Lower Upper

104 100

78 43.1 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 21.952 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021091.D

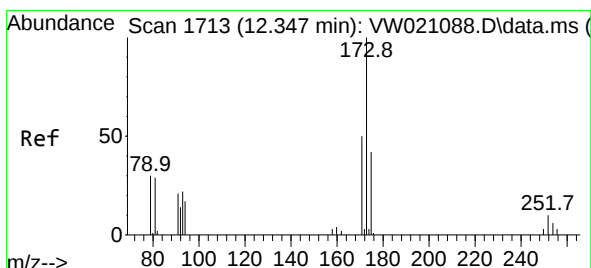
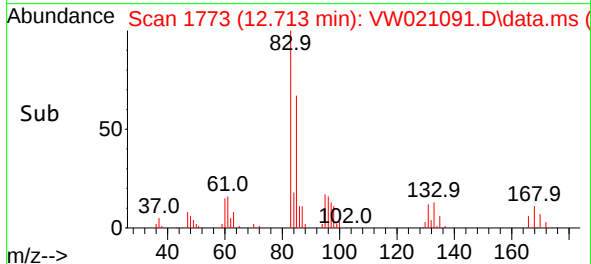
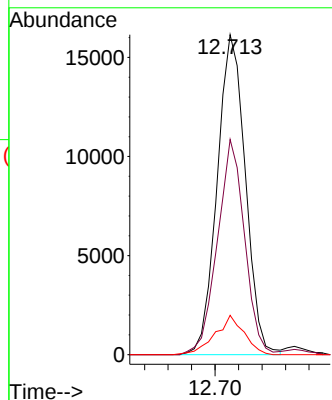
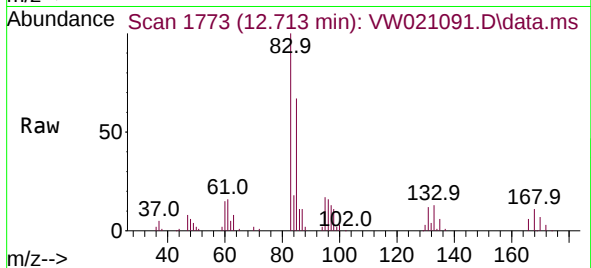
Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	26965
Ion Ratio	Lower	Upper	
83	100		
85	67.2	44.0	81.6
131	12.3	6.9	10.3



#59

Bromoform

Concen: 26.152 ug/L

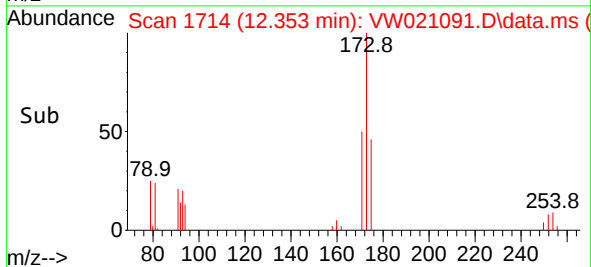
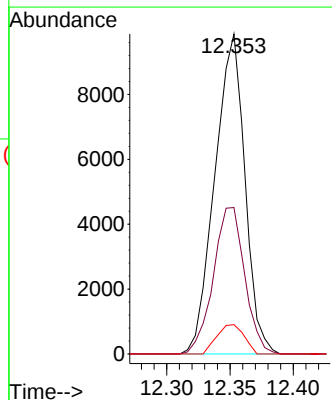
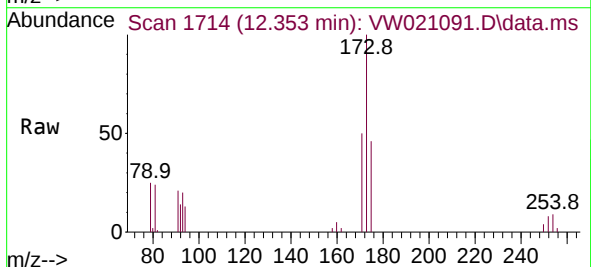
RT: 12.353 min Scan# 1714

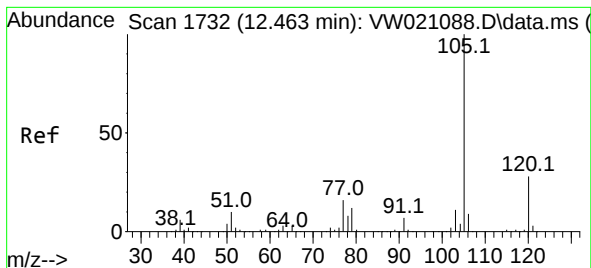
Delta R.T. 0.006 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Tgt Ion:	173	Resp:	16290
Ion Ratio	Lower	Upper	
173	100		
175	47.7	39.6	59.4
254	8.3	7.4	11.0





#60

Isopropylbenzene

Concen: 24.971 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

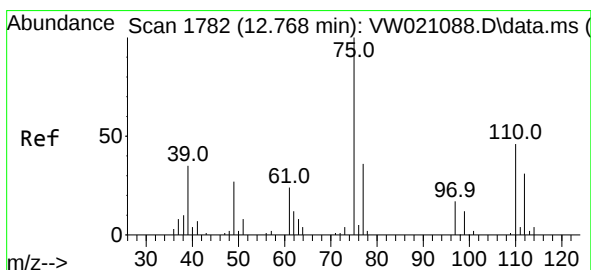
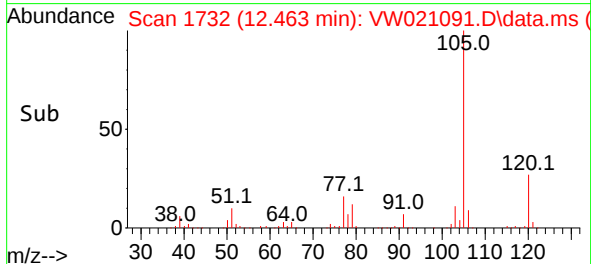
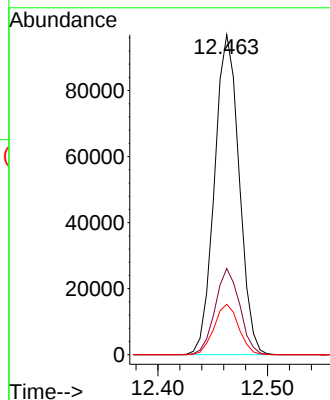
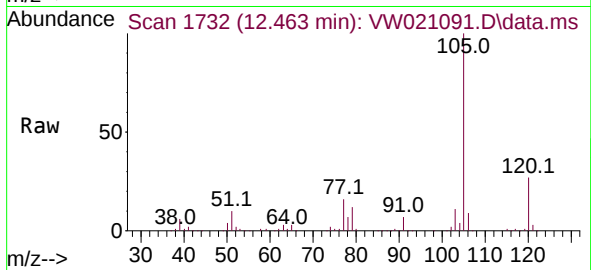
Tgt Ion:105 Resp: 151584

Ion Ratio Lower Upper

105 100

120 26.8 20.1 30.1

77 15.6 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 26.756 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

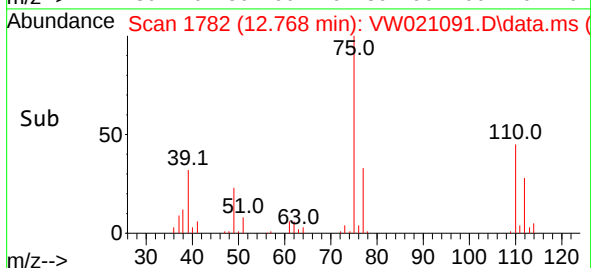
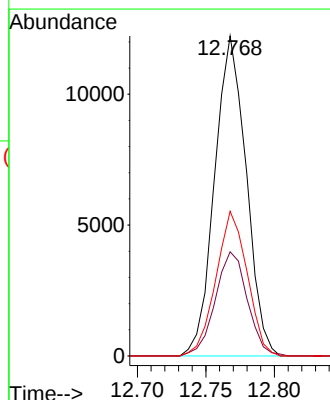
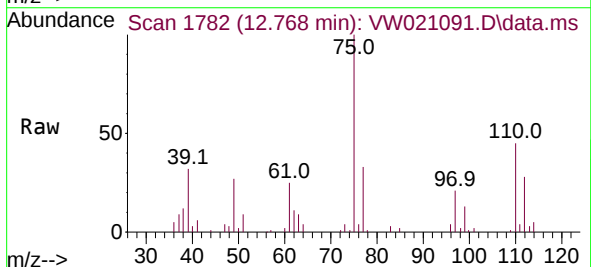
Tgt Ion: 75 Resp: 19577

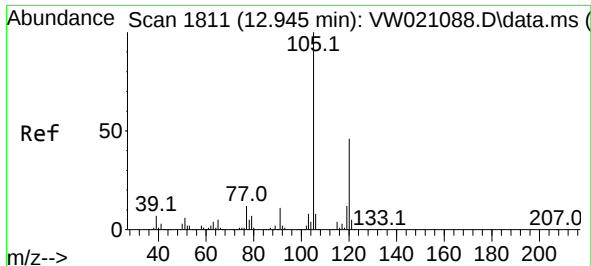
Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8

110 44.8 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 23.430 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

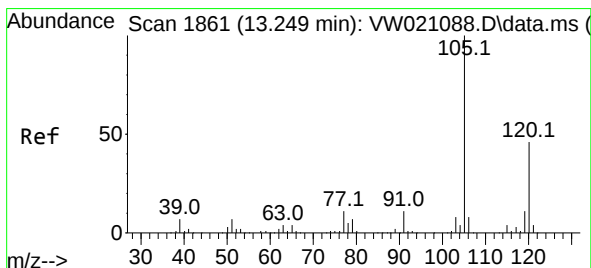
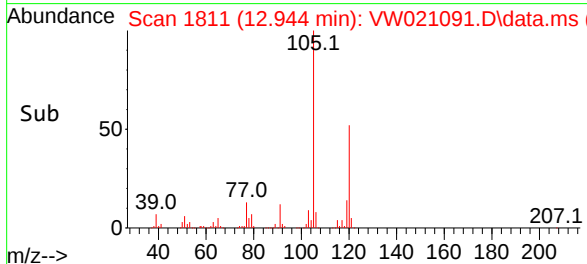
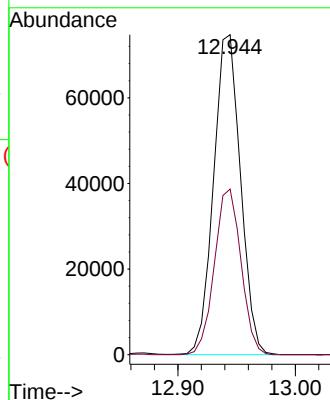
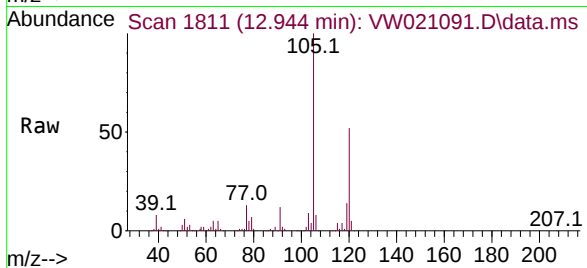
ClientSampleId :

Tgt Ion:105 Resp: 119108

Ion Ratio Lower Upper

105 100

120 51.1 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 22.997 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021091.D

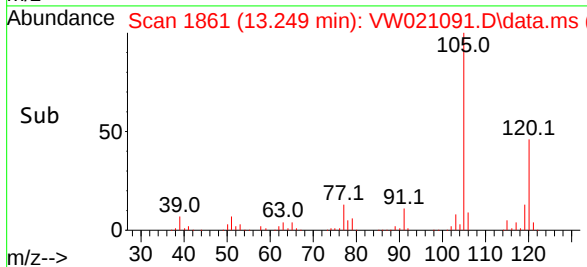
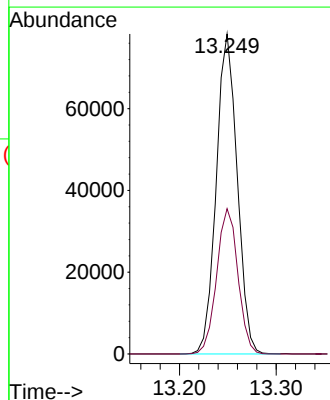
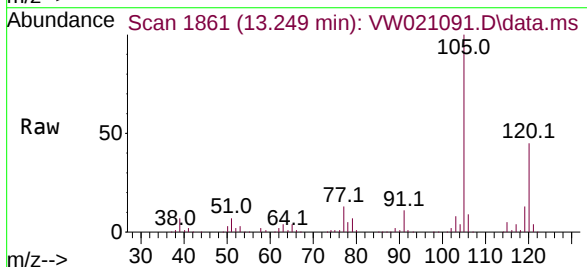
Acq: 04 Dec 2021 02:52

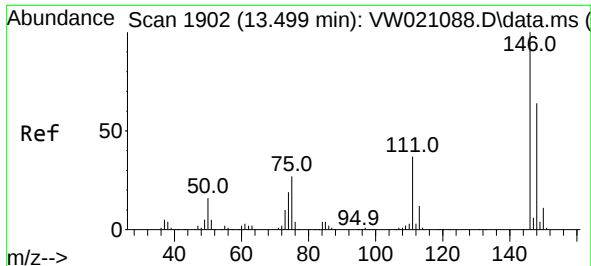
Tgt Ion:105 Resp: 117578

Ion Ratio Lower Upper

105 100

120 46.0 35.0 52.6

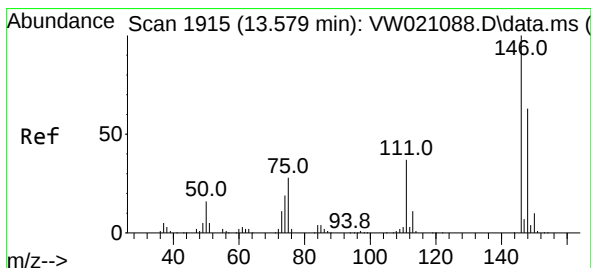
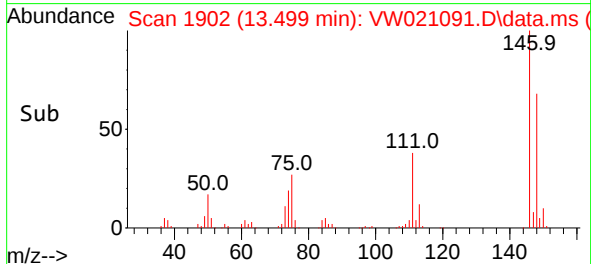
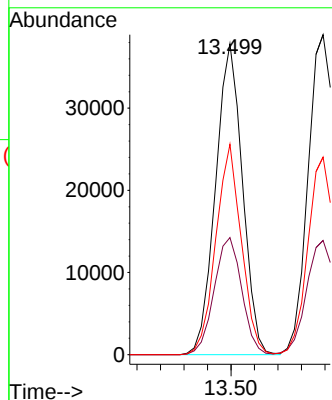
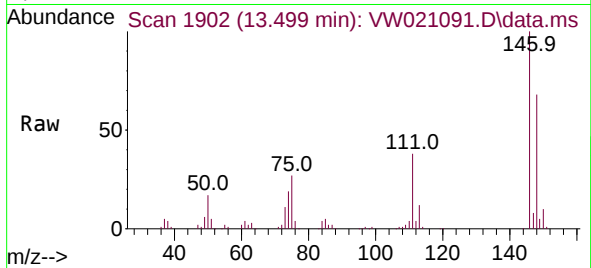




#64
1,3-Dichlorobenzene
Concen: 21.044 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

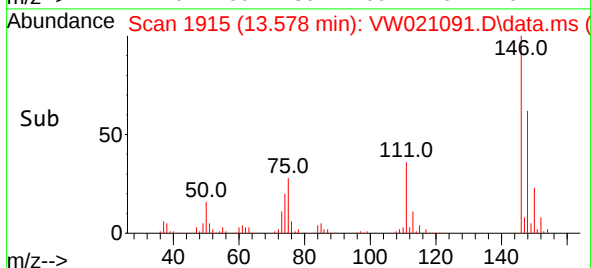
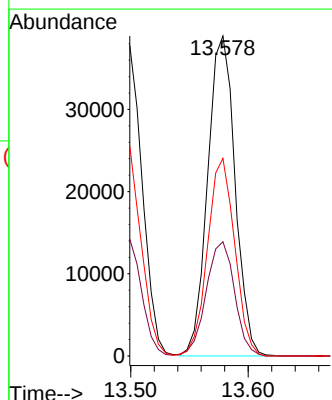
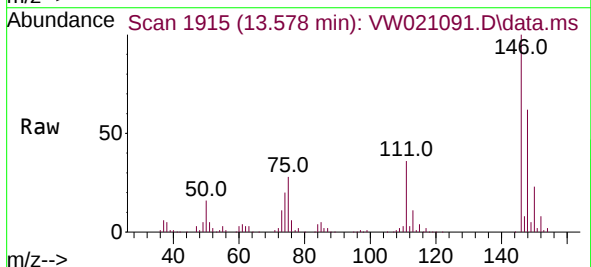
Instrument :
MSVOA_W
ClientSampleId :

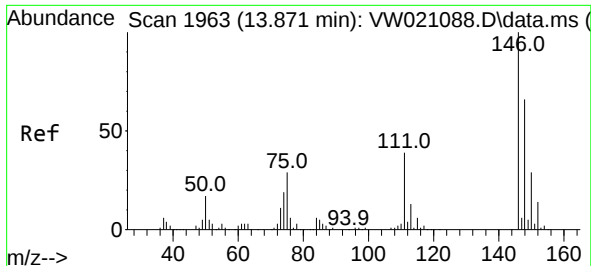
Tgt Ion:146 Resp: 60149
Ion Ratio Lower Upper
146 100
111 37.7 29.8 55.3
148 67.7 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 21.844 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion:146 Resp: 63101
Ion Ratio Lower Upper
146 100
111 35.7 29.0 53.9
148 61.7 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 22.373 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

Instrument :

MSVOA_W

ClientSampleId :

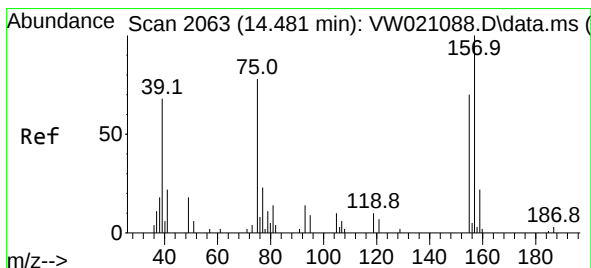
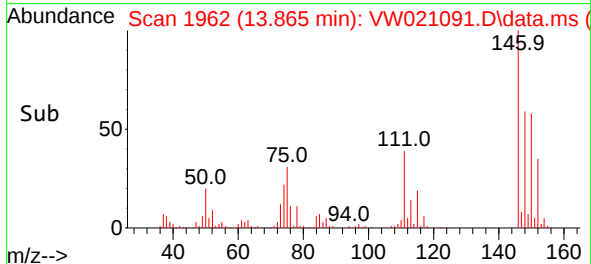
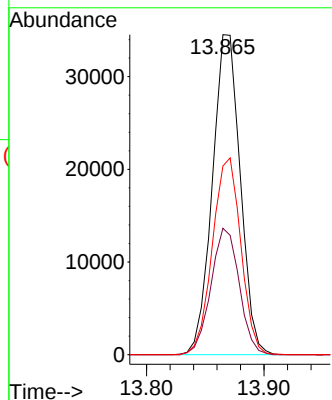
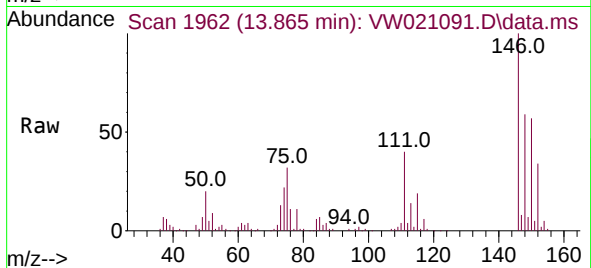
Tgt Ion:146 Resp: 56937

Ion Ratio Lower Upper

146 100

111 39.5 33.1 49.7

148 59.0 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 23.998 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021091.D

Acq: 04 Dec 2021 02:52

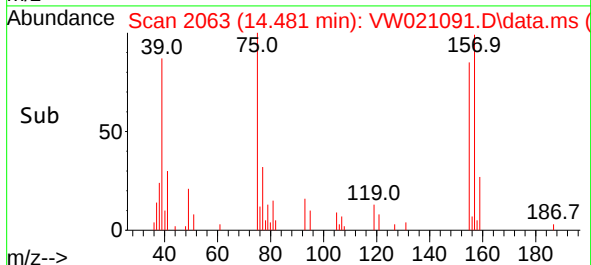
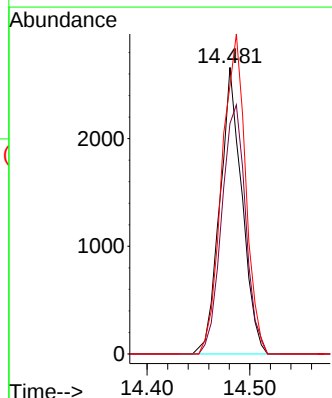
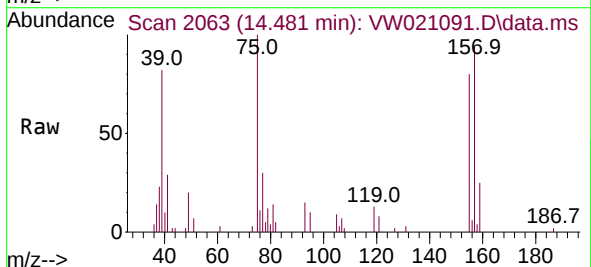
Tgt Ion: 75 Resp: 3965

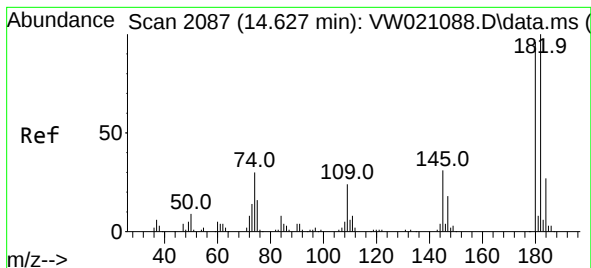
Ion Ratio Lower Upper

75 100

155 80.4 54.2 81.2

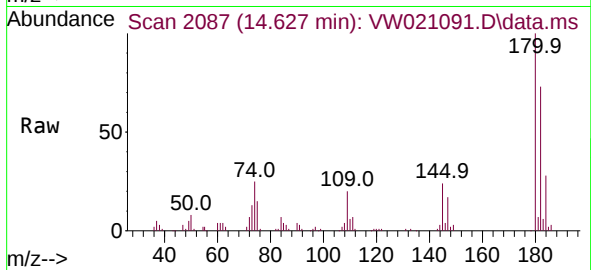
157 93.6 69.4 104.2



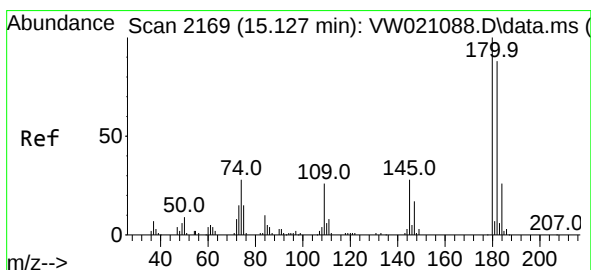
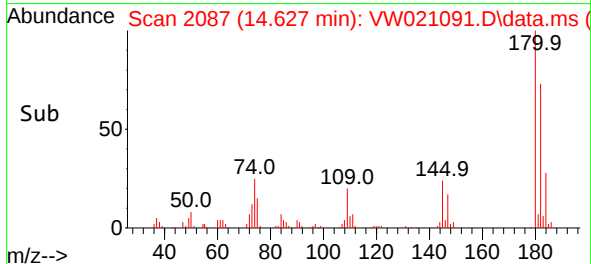
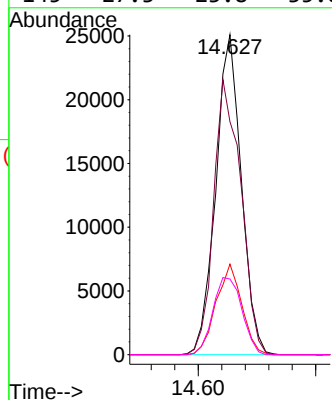


#69
 1,3,5-Trichlorobenzene
 Concen: 18.076 ug/L
 RT: 14.627 min Scan# 2087
 Delta R.T. -0.000 min
 Lab File: VW021091.D
 Acq: 04 Dec 2021 02:52

Instrument :
 MSVOA_W
 ClientSampleId :

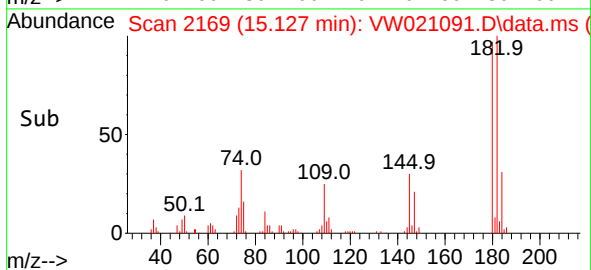
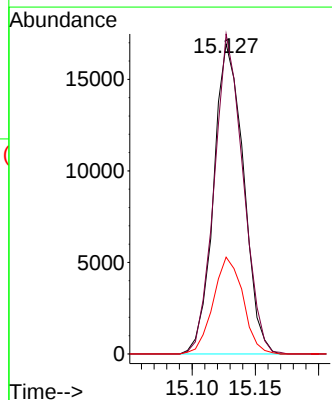
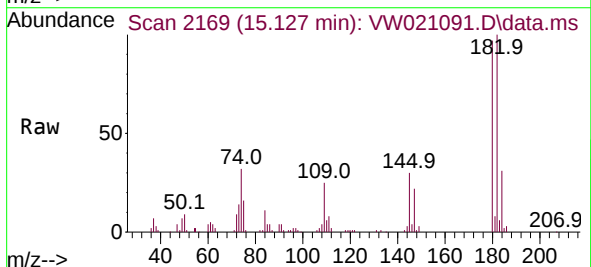


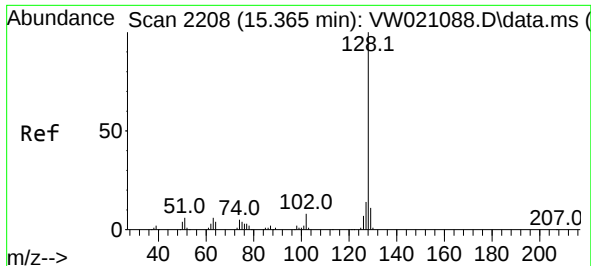
Tgt Ion:180	Resp:	37971
Ion Ratio	Lower	Upper
180	100	
182	91.4	75.4 113.0
184	28.5	23.8 35.8
145	27.3	23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 16.132 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. -0.000 min
 Lab File: VW021091.D
 Acq: 04 Dec 2021 02:52

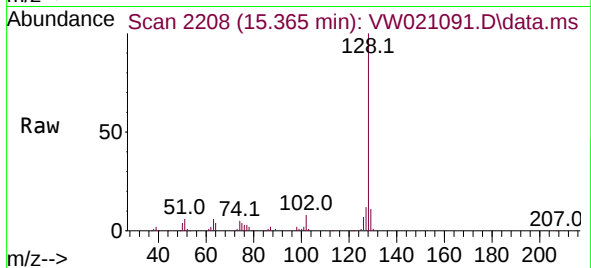
Tgt Ion:180	Resp:	27846
Ion Ratio	Lower	Upper
180	100	
182	99.5	79.0 118.6
145	31.0	26.0 39.0



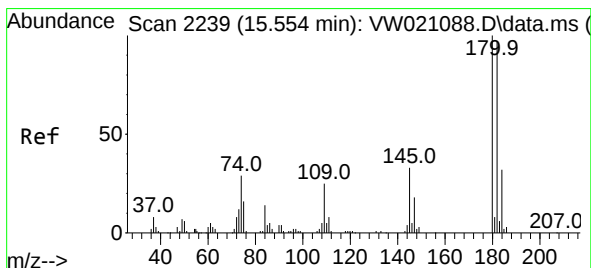
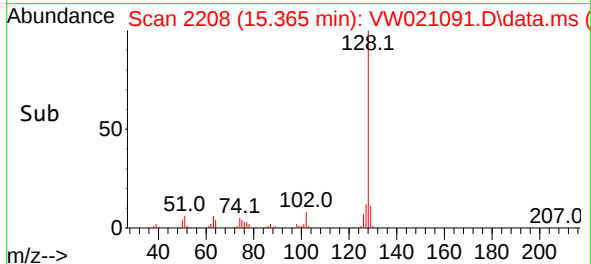
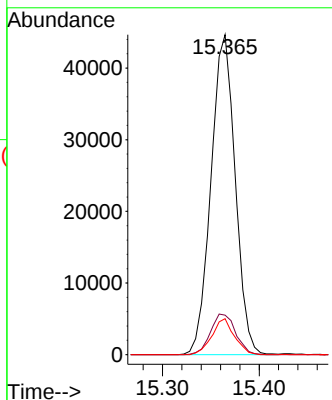


#71
Naphthalene
Concen: 24.223 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.4	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 16.659 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW021091.D
Acq: 04 Dec 2021 02:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	114.8
145	31.2	27.4	41.0

