

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011122\
 Data File : VW021852.D
 Acq On : 11 Jan 2022 23:20
 Operator : SY/VA
 Sample : N1084-10
 Misc : 6.57g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 12 00:53:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jan 12 00:49:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	196709	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	113760	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.304	152	6021	25.000	ug/L	-0.25
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	57331	15.681	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.720%
7) Chloroethane-d5	2.879	69	46253	14.009	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.040%
11) 1,1-Dichloroethene-d2	4.019	63	69612	12.060	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.240%
21) 2-Butanone-d5	7.092	46	21413	41.494	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.980%
24) Chloroform-d	7.653	84	111359	17.523	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.080%
26) 1,2-Dichloroethane-d4	8.220	65	122	0.040	ug/L	-0.09
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.160%#
32) Benzene-d6	8.275	84	222286	30.114	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.440%
36) 1,2-Dichloropropane-d6	9.274	67	59844	30.759	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.040%#
41) Toluene-d8	10.323	98	200390	26.930	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.720%
43) trans-1,3-Dichloroprop...	10.585	79	19977	24.184	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.720%
47) 2-Hexanone-d5	10.927	63	18585	70.397	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.800%#
56) 1,1,2,2-Tetrachloroeth...	12.707	84	60046	39.468	ug/L	0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	157.880%#
66) 1,2-Dichlorobenzene-d4	13.859	152	23125	93.406	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	373.640%#
Target Compounds						
					Qvalue	
13) Acetone	4.159	43	60886	142.808	ug/L	91
14) Carbon disulfide	4.385	76	17462	2.272	ug/L #	93
22) 2-Butanone	7.196	43	9801	17.984	ug/L	83
29) Cyclohexane	7.958	56	73442	28.858	ug/L	97
33) Benzene	8.329	78	11768981	1687.164	ug/L	100
35) Methylcyclohexane	9.335	83	260429	78.253	ug/L	86
37) 1,2-Dichloropropane	9.335	63	1985	1.306	ug/L #	1
38) Bromodichloromethane	9.622	83	1949	0.919	ug/L #	31
39) cis-1,3-Dichloropropene	10.036	75	1844	0.781	ug/L #	45
40) 4-Methyl-2-pentanone	10.213	43	1290	1.807	ug/L #	48
42) Toluene	10.390	91	12571776	1606.908	ug/L	91
45) 1,1,2-Trichloroethane	10.762	97	158398	122.768	ug/L #	20
48) 2-Hexanone	10.939	43	164872	337.553	ug/L #	25
51) Chlorobenzene	11.664	112	43409	7.858	ug/L	88
55) Styrene	12.170	104	505631	90.776	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.658	83	65507	47.188	ug/L #	7
59) Bromoform	12.359	173	128	1.559	ug/L #	4
60) Isopropylbenzene	12.469	105	2517438	3070.361	ug/L	96
61) 1,2,3-Trichloropropane	12.743	75	96	1.116	ug/L #	1

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 Quant Title : SFAM01.0
 QLast Update : Wed Jan 12 00:49:08 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

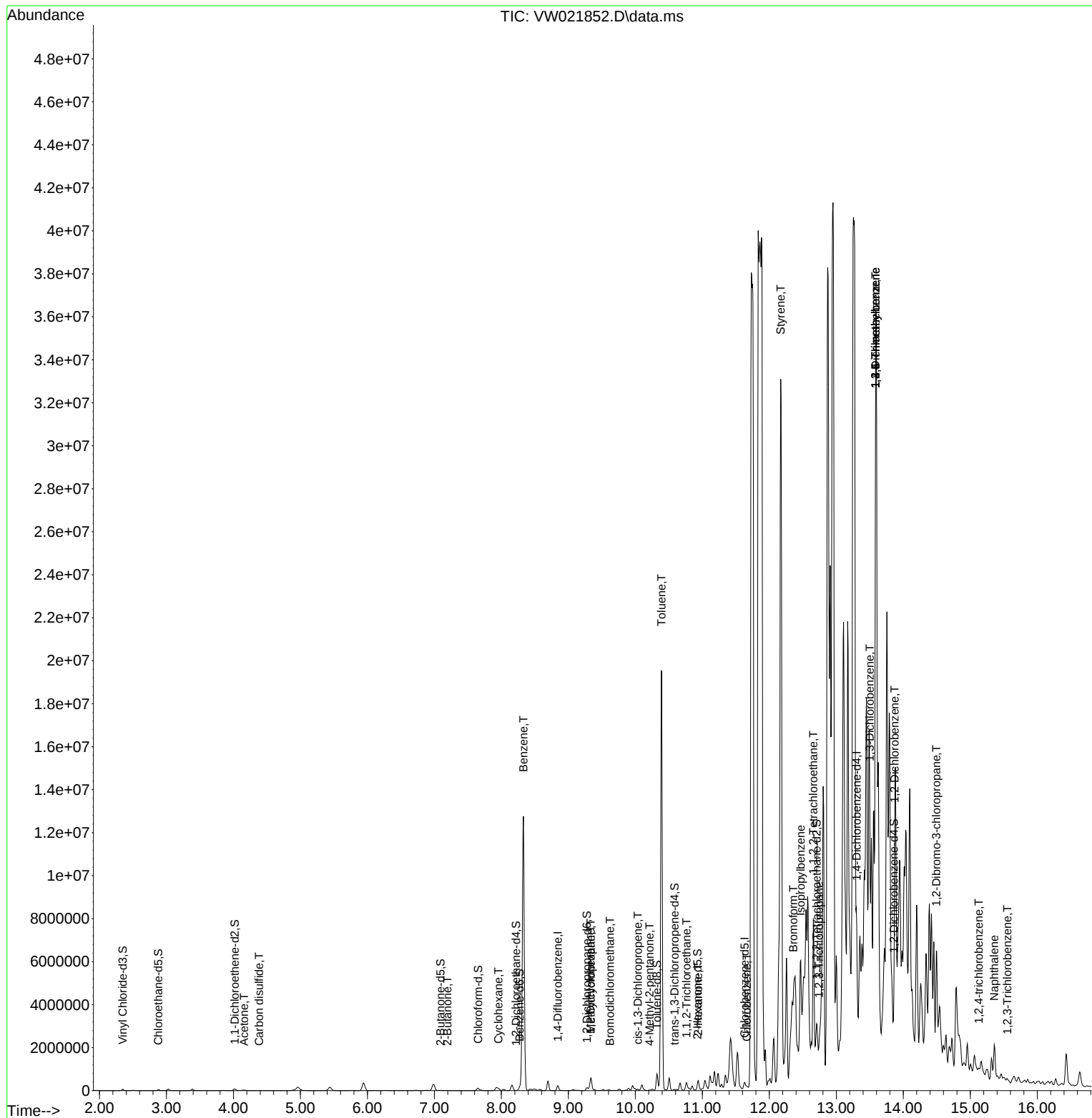
62) 1,3,5-Trimethylbenzene	13.585	105	16166956	23811.281	ug/L	93
63) 1,2,4-Trimethylbenzene	13.585	105	16166956	24143.327	ug/L	88
64) 1,3-Dichlorobenzene	13.499	146	16908	41.016	ug/L #	1
65) 1,4-Dichlorobenzene	13.585	146	4835	11.879	ug/L #	1
67) 1,2-Dichlorobenzene	13.871	146	128126	354.991	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.493	75	5951	358.139	ug/L #	39
70) 1,2,4-trichlorobenzene	15.127	180	46202	189.250	ug/L #	1
71) Naphthalene	15.359	128	1454473	3862.171	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	4078	20.228	ug/L #	69

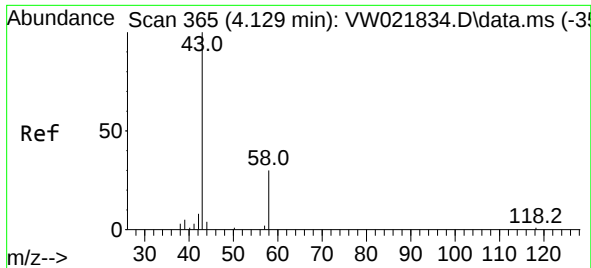
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 142.808 ug/L

RT: 4.159 min Scan# 3

Delta R.T. 0.030 min

Lab File: VW021852.D

Acq: 11 Jan 2022 23:20

Instrument :

MSVOA_W

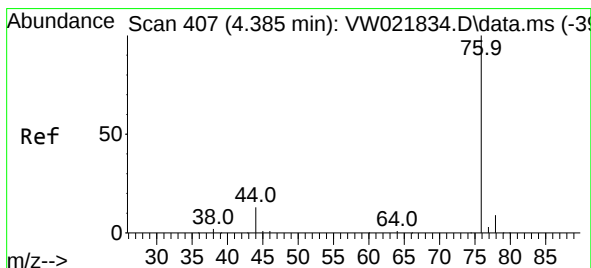
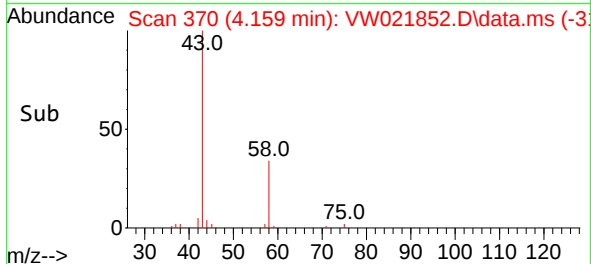
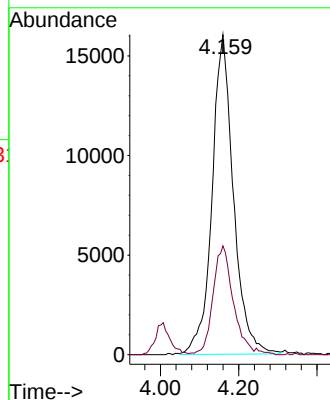
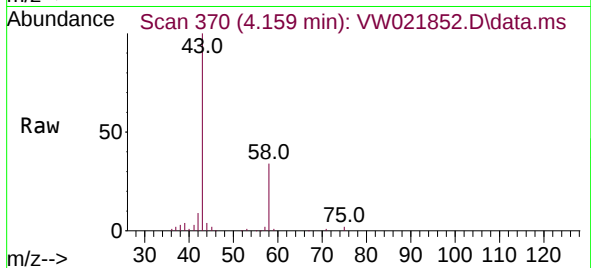
ClientSampleId :

Tgt Ion: 43 Resp: 60886

Ion Ratio Lower Upper

43 100

58 31.0 0.0 52.8



#14

Carbon disulfide

Concen: 2.272 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW021852.D

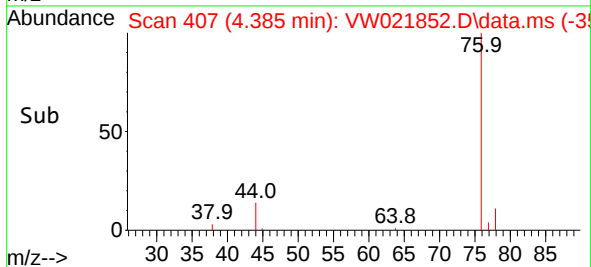
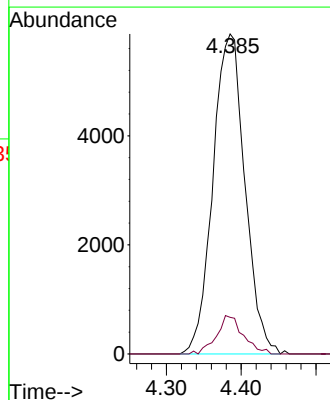
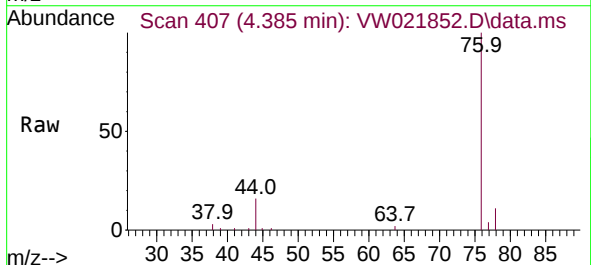
Acq: 11 Jan 2022 23:20

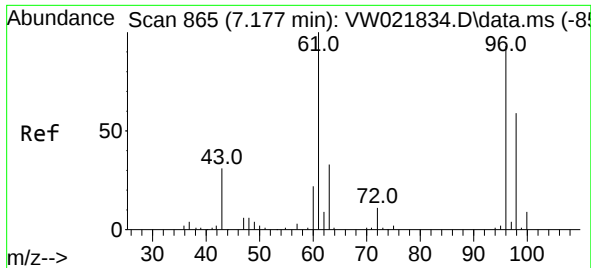
Tgt Ion: 76 Resp: 17462

Ion Ratio Lower Upper

76 100

78 11.5 7.1 10.7#

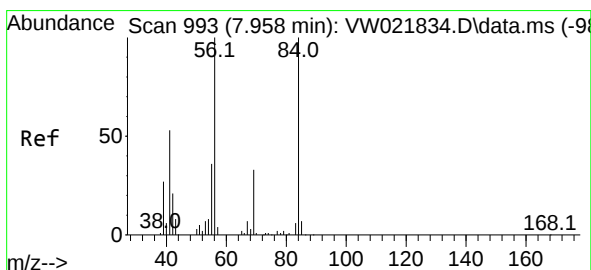
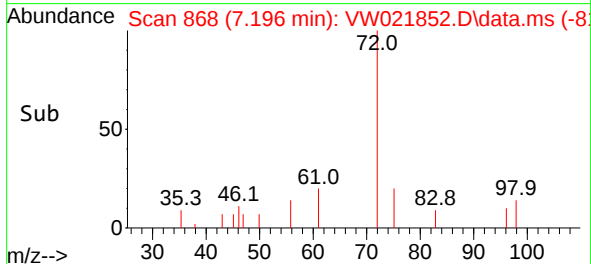
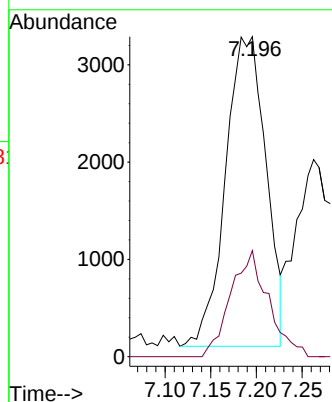
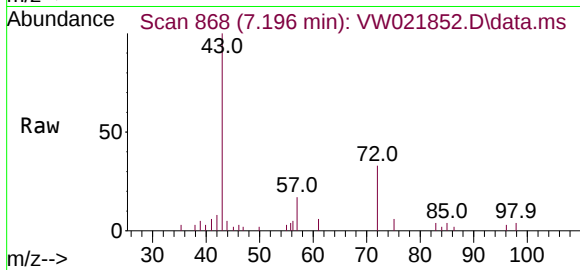




#22
2-Butanone
Concen: 17.984 ug/L
RT: 7.196 min Scan# 868
Delta R.T. 0.018 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

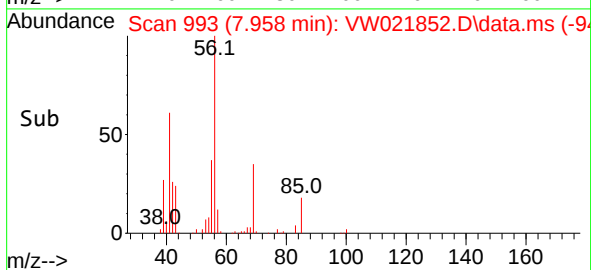
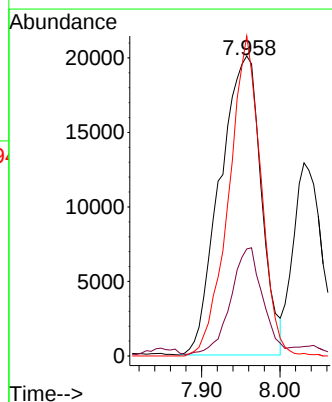
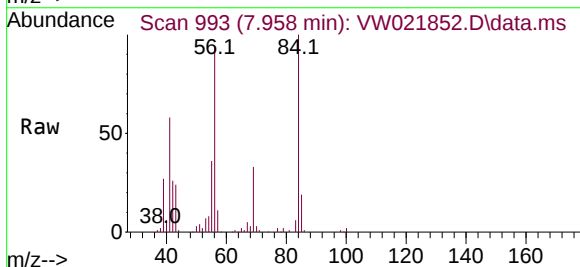
Instrument :
MSVOA_W
ClientSampleId :

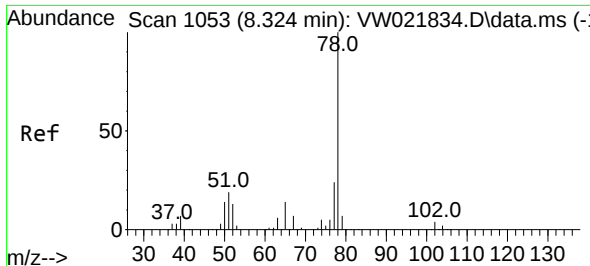
Tgt Ion: 43 Resp: 9801
Ion Ratio Lower Upper
43 100
72 31.8 11.8 35.4



#29
Cyclohexane
Concen: 28.858 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Tgt Ion: 56 Resp: 73442
Ion Ratio Lower Upper
56 100
69 28.6 23.5 35.3
84 83.0 63.4 95.2

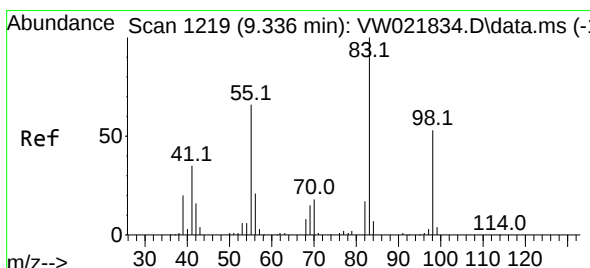
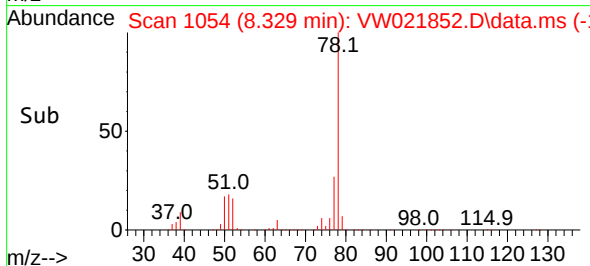
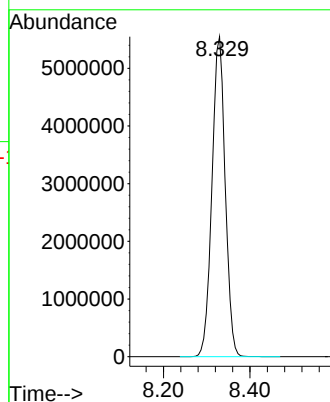
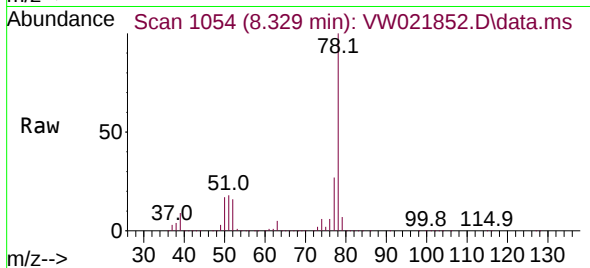




#33
Benzene
Concen: 1687.164 ug/L
RT: 8.329 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

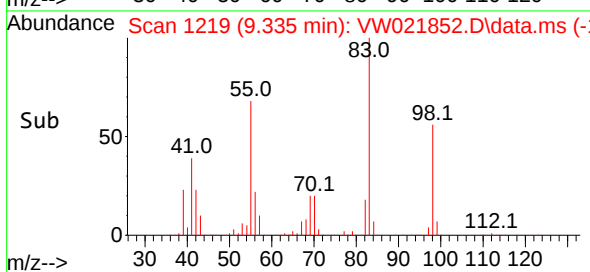
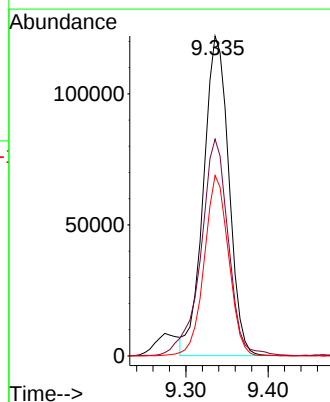
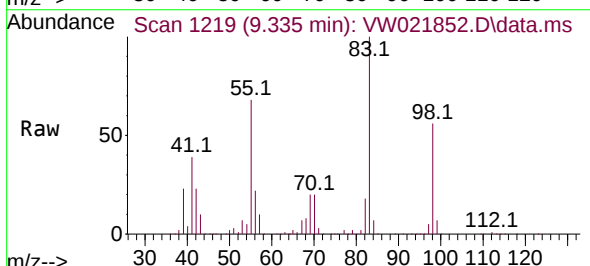
Instrument :
MSVOA_W
ClientSampleId :

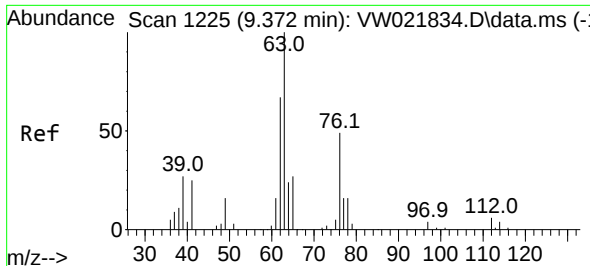
Tgt Ion: 78 Resp:11768981



#35
Methylcyclohexane
Concen: 78.253 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Tgt Ion: 83 Resp: 260429
Ion Ratio Lower Upper
83 100
55 73.5 70.8 106.2
98 54.6 37.7 56.5





#37

1,2-Dichloropropane

Concen: 1.306 ug/L

RT: 9.335 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021852.D

Acq: 11 Jan 2022 23:20

Instrument :

MSVOA_W

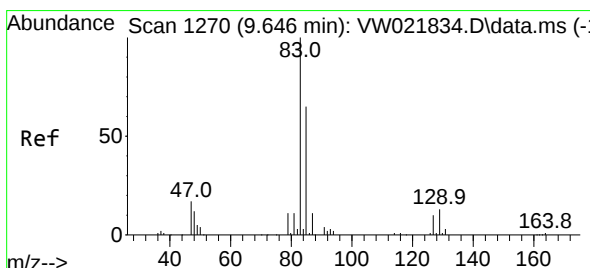
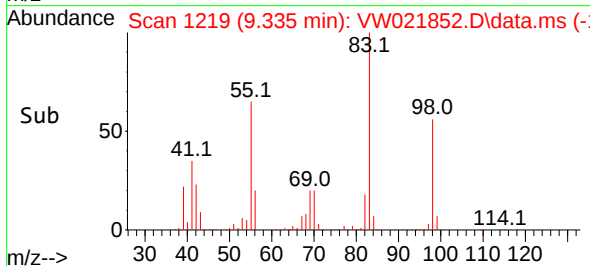
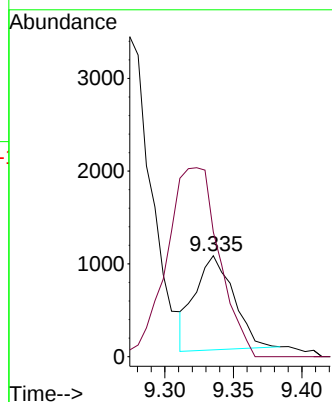
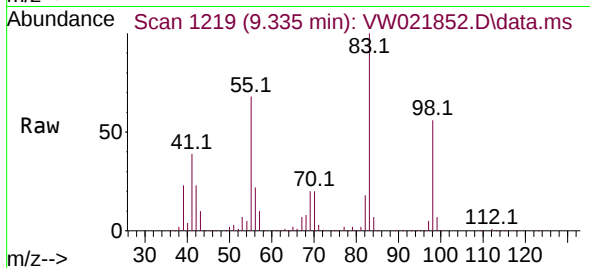
ClientSampleId :

Tgt Ion: 63 Resp: 1985

Ion Ratio Lower Upper

63 100

112 271.8 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.919 ug/L

RT: 9.622 min Scan# 1266

Delta R.T. -0.025 min

Lab File: VW021852.D

Acq: 11 Jan 2022 23:20

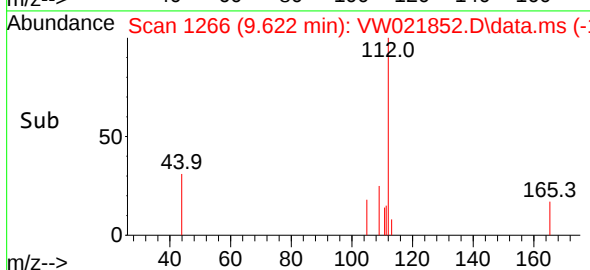
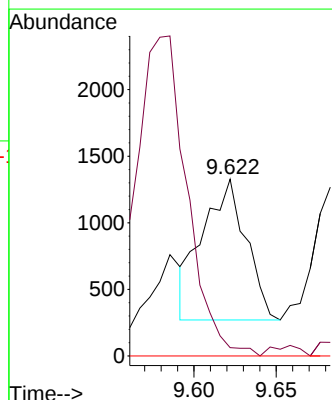
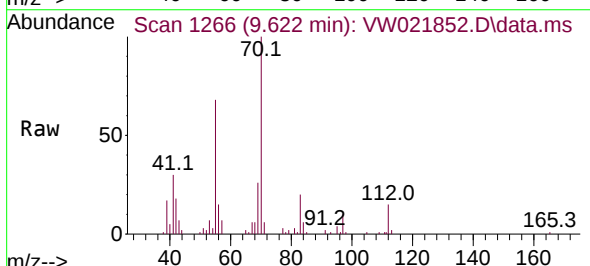
Tgt Ion: 83 Resp: 1949

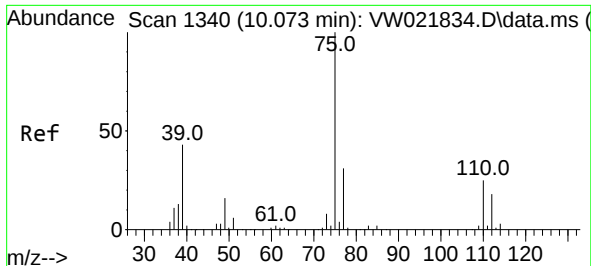
Ion Ratio Lower Upper

83 100

85 4.7 44.1 81.9#

127 0.0 6.1 9.1#

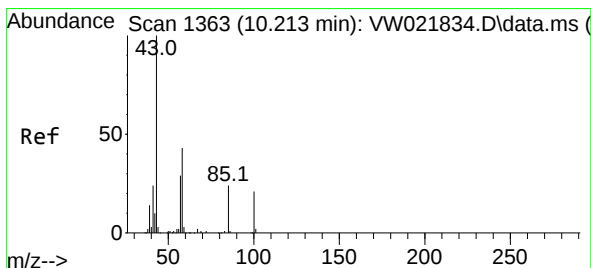
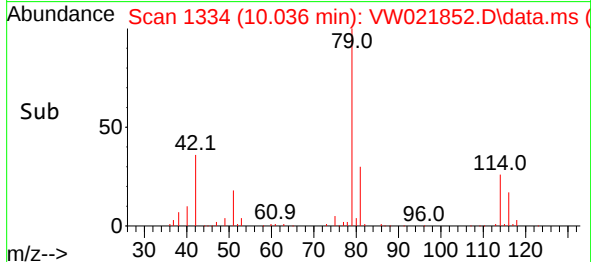
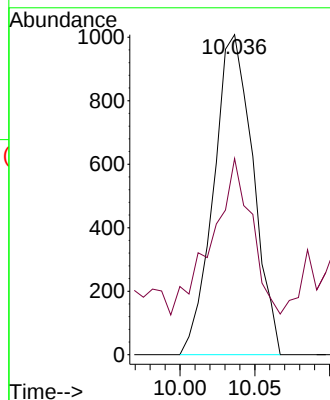
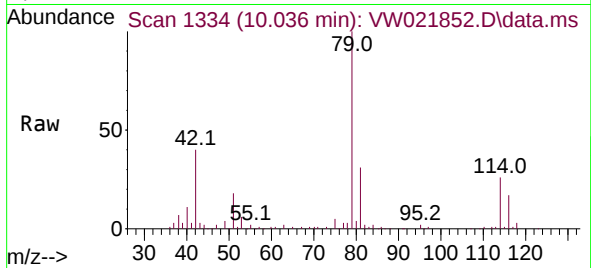




#39
 cis-1,3-Dichloropropene
 Concen: 0.781 ug/L
 RT: 10.036 min Scan# 11
 Delta R.T. -0.037 min
 Lab File: VW021852.D
 Acq: 11 Jan 2022 23:20

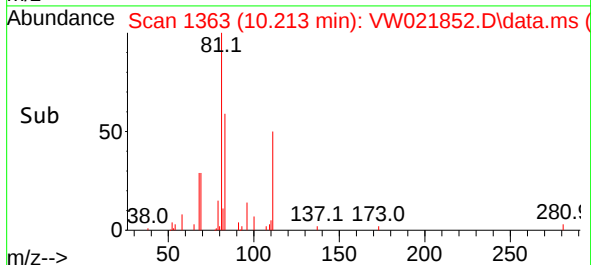
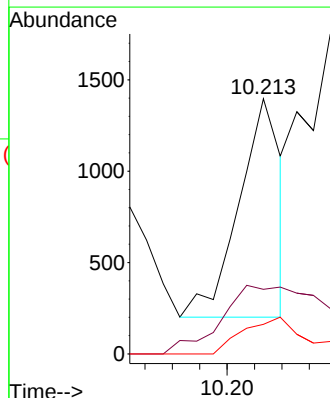
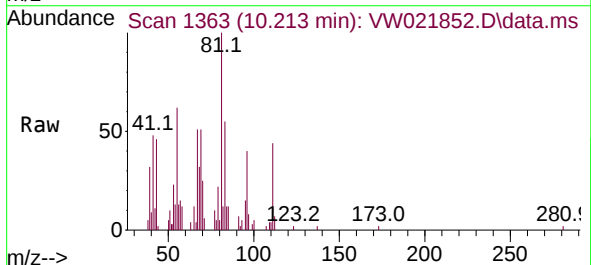
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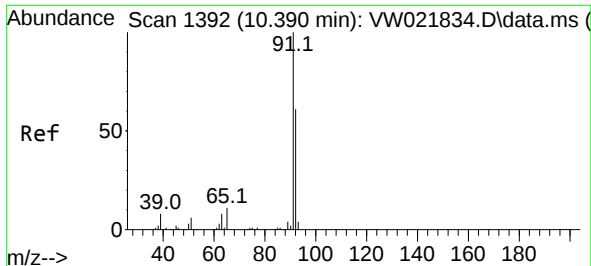
Tgt Ion: 75 Resp: 1844
 Ion Ratio Lower Upper
 75 100
 77 61.3 21.8 40.6#



#40
 4-Methyl-2-pentanone
 Concen: 1.807 ug/L
 RT: 10.213 min Scan# 1363
 Delta R.T. -0.000 min
 Lab File: VW021852.D
 Acq: 11 Jan 2022 23:20

Tgt Ion: 43 Resp: 1290
 Ion Ratio Lower Upper
 43 100
 58 71.2 28.8 43.2#
 100 23.3 10.0 15.0#

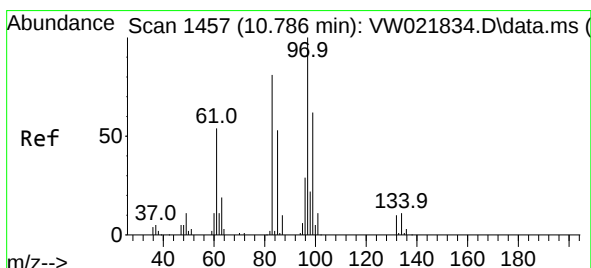
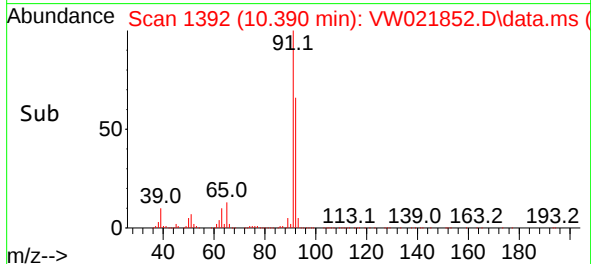
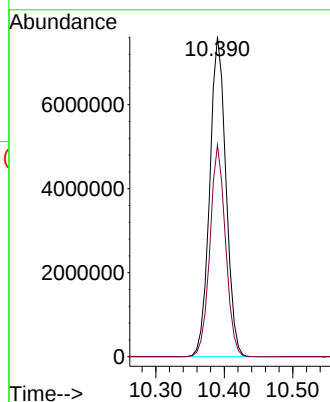
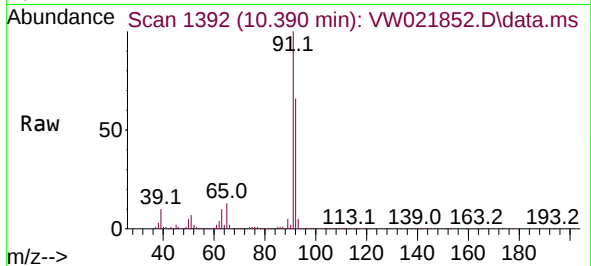




#42
Toluene
Concen: 1606.908 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

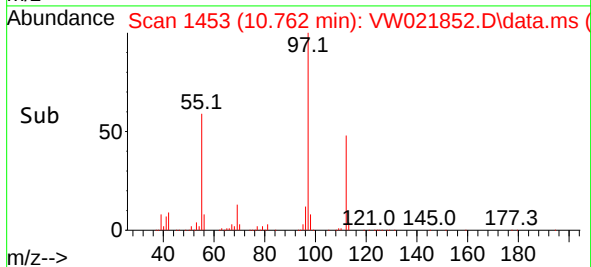
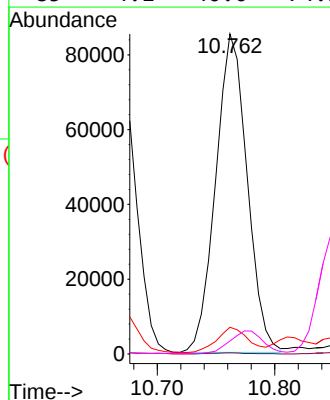
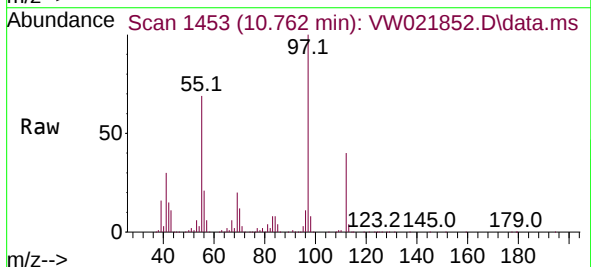
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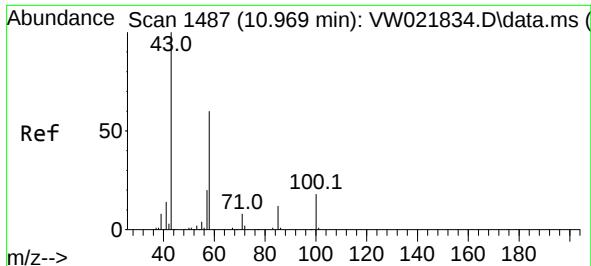
Tgt Ion: 91 Resp:12571776
Ion Ratio Lower Upper
91 100
92 66.2 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 122.768 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

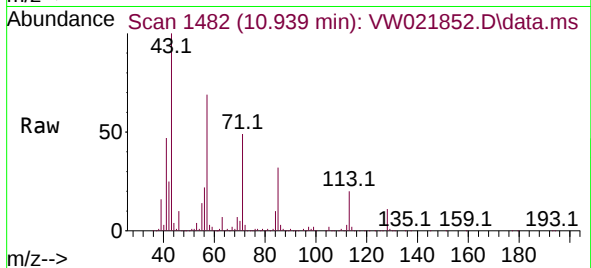
Tgt Ion: 97 Resp: 158398
Ion Ratio Lower Upper
97 100
99 0.4 43.0 79.8#
83 8.4 62.6 116.3#
85 4.1 40.0 74.2#



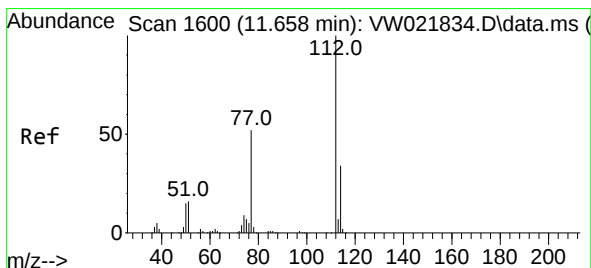
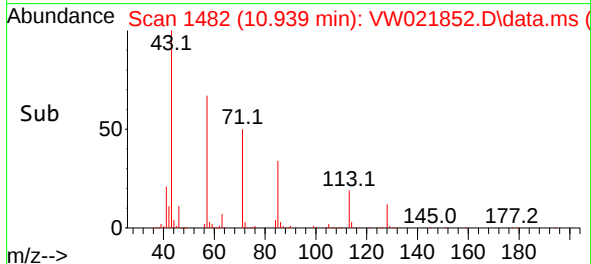
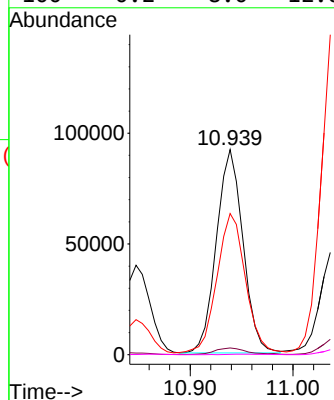


#48
2-Hexanone
Concen: 337.553 ug/L
RT: 10.939 min Scan# 1487
Delta R.T. -0.031 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Instrument :
MSVOA_W
ClientSampleId :

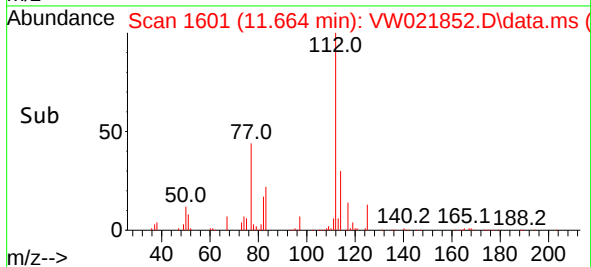
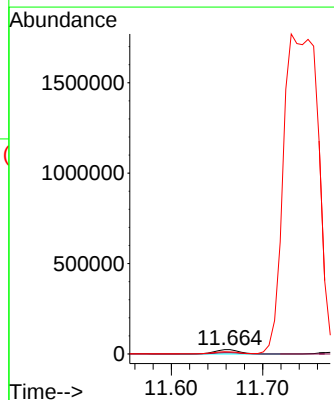
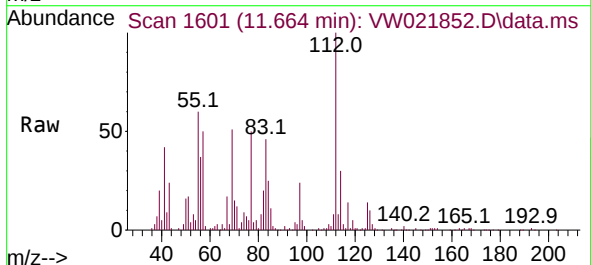


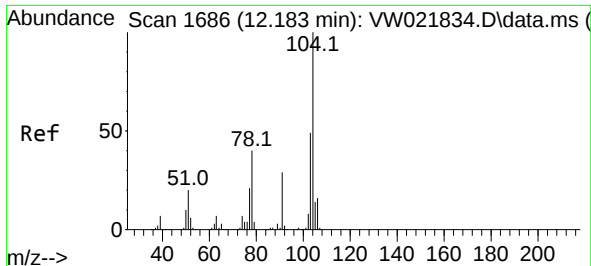
Tgt Ion: 43 Resp: 164872
Ion Ratio Lower Upper
43 100
58 3.9 40.2 60.2#
57 73.3 14.3 21.5#
100 0.2 8.0 12.0#



#51
Chlorobenzene
Concen: 7.858 ug/L
RT: 11.664 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Tgt Ion: 112 Resp: 43409
Ion Ratio Lower Upper
112 100
114 29.6 22.4 41.6
77 50.4 50.2 75.4

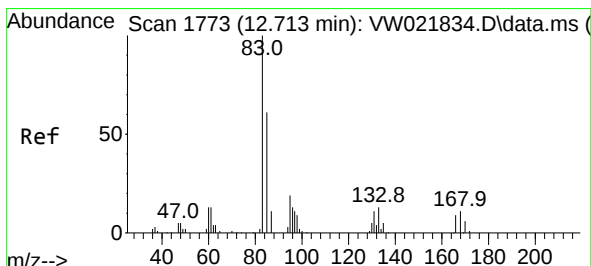
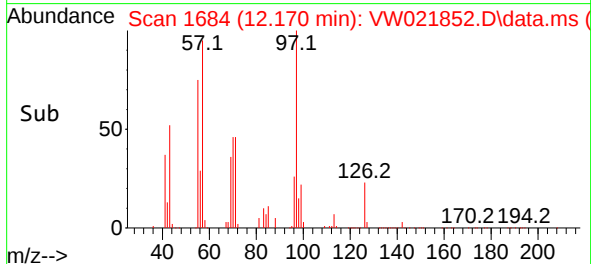
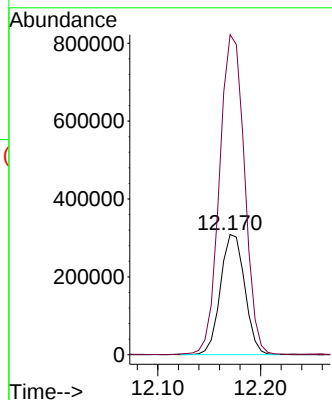
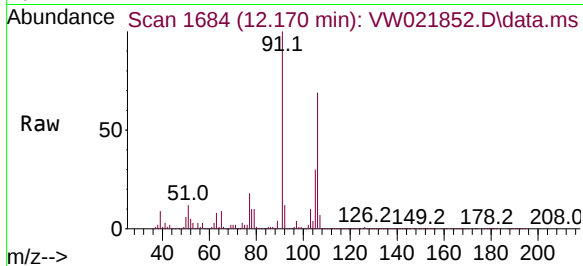




#55
Styrene
Concen: 90.776 ug/L
RT: 12.170 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

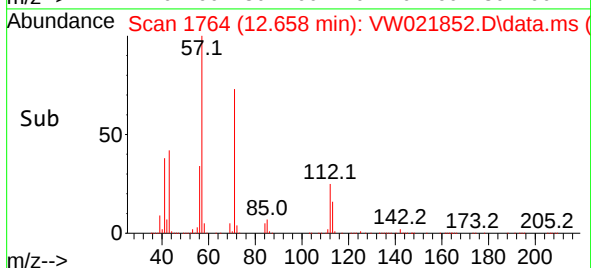
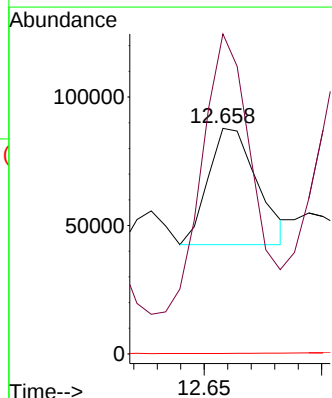
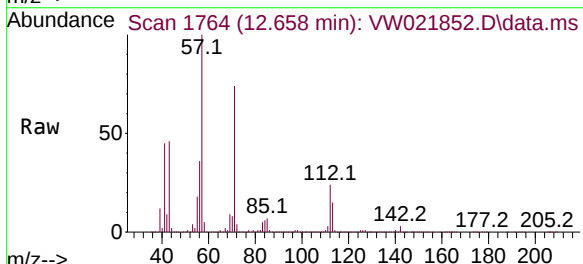
Instrument :
MSVOA_W
ClientSampleId :

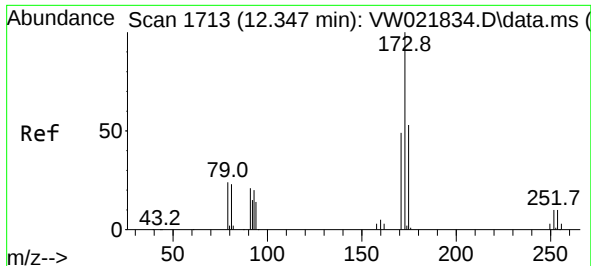
Tgt Ion:104 Resp: 505631
Ion Ratio Lower Upper
104 100
78 266.2 34.4 64.0#



#57
1,1,2,2-Tetrachloroethane
Concen: 47.188 ug/L
RT: 12.658 min Scan# 1764
Delta R.T. -0.055 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

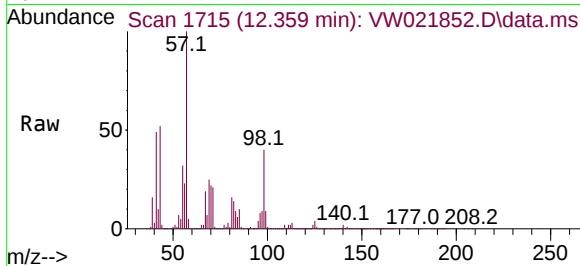
Tgt Ion: 83 Resp: 65507
Ion Ratio Lower Upper
83 100
85 141.8 44.0 81.6#
131 0.2 6.9 10.3#



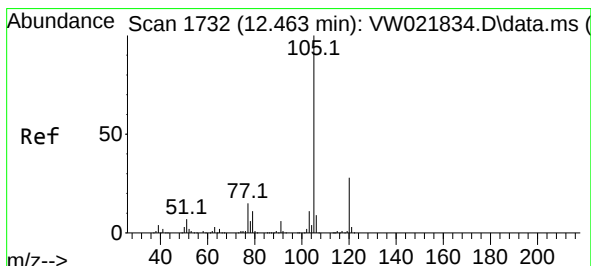
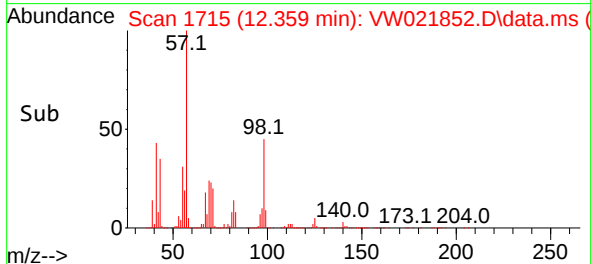
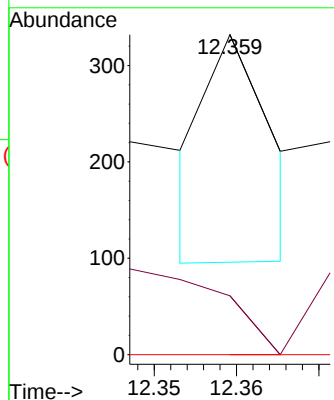


#59
Bromoform
Concen: 1.559 ug/L
RT: 12.359 min Scan# 1715
Delta R.T. 0.012 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Instrument :
MSVOA_W
ClientSampleId :

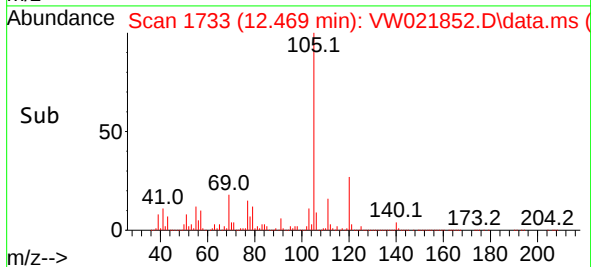
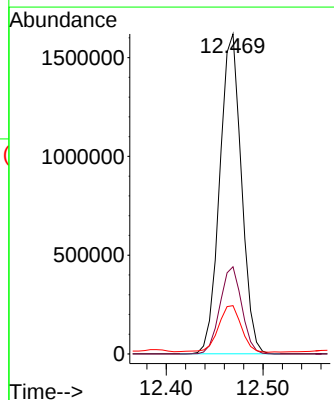
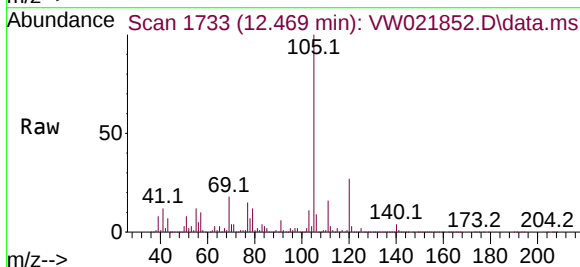


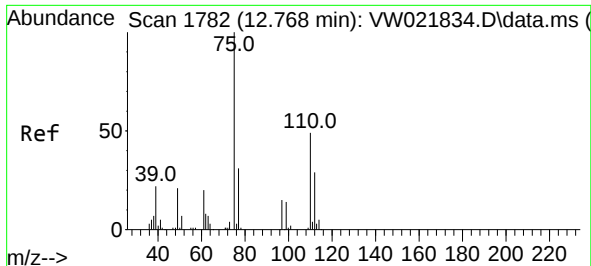
Tgt Ion:173 Resp: 128
Ion Ratio Lower Upper
173 100
175 124.2 39.6 59.4#
254 0.0 7.4 11.0#



#60
Isopropylbenzene
Concen: 3070.361 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Tgt Ion:105 Resp: 2517438
Ion Ratio Lower Upper
105 100
120 27.4 20.1 30.1
77 15.5 13.8 20.8

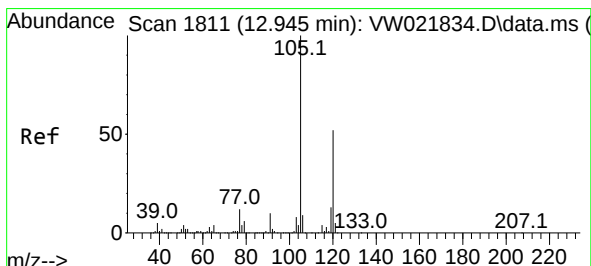
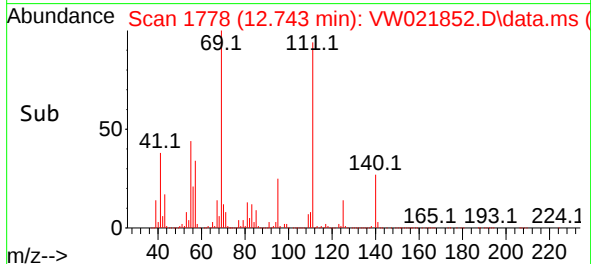
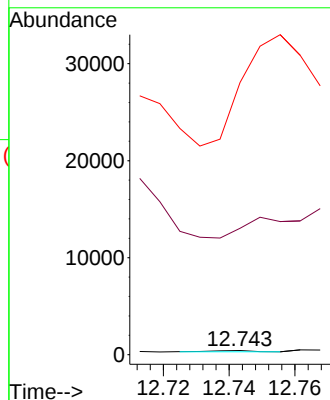
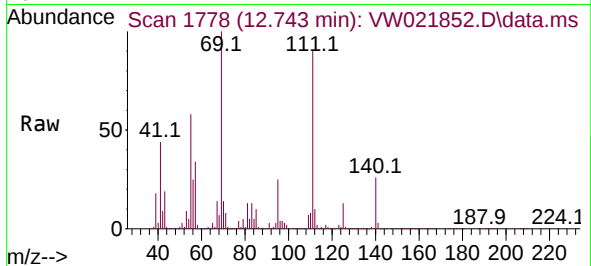




#61
1,2,3-Trichloropropane
Concen: 1.116 ug/L
RT: 12.743 min Scan# 11
Delta R.T. -0.025 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

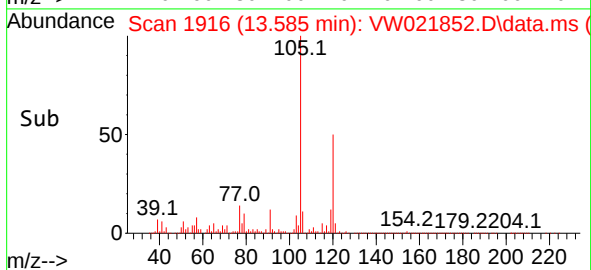
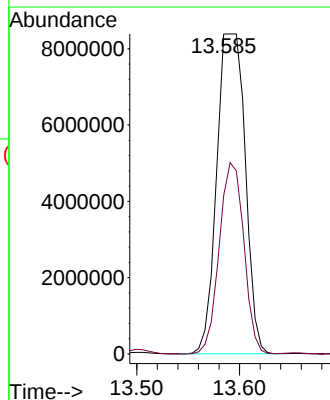
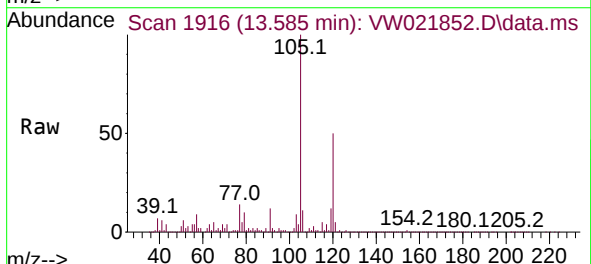
Instrument :
MSVOA_W
ClientSampleId :

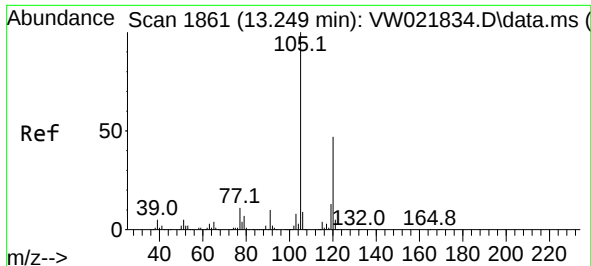
Tgt Ion: 75 Resp: 96
Ion Ratio Lower Upper
75 100
77 1846.9 25.8 38.8#
110 16976.0 29.0 43.4#



#62
1,3,5-Trimethylbenzene
Concen: 23811.281 ug/L
RT: 13.585 min Scan# 1916
Delta R.T. 0.640 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Tgt Ion:105 Resp:16166956
Ion Ratio Lower Upper
105 100
120 51.6 37.4 56.2

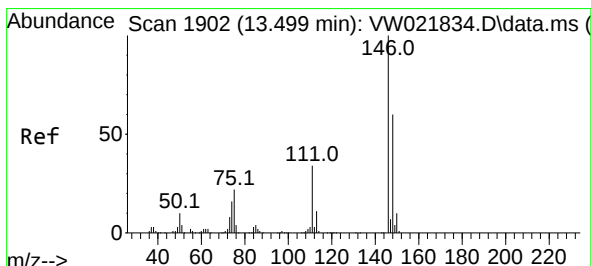
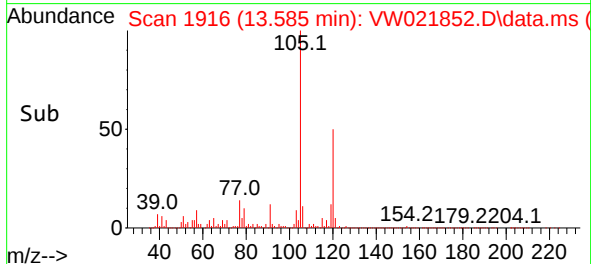
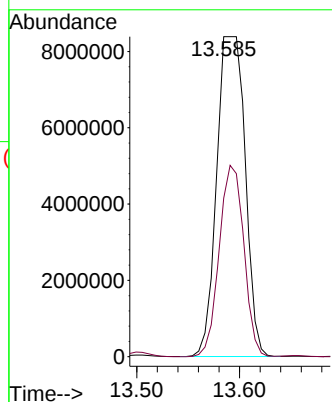
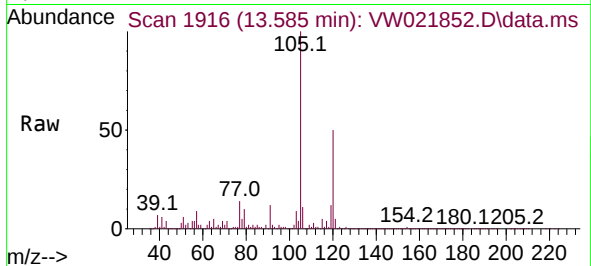




#63
1,2,4-Trimethylbenzene
Concen: 24143.327 ug/L
RT: 13.585 min Scan# 1916
Delta R.T. 0.335 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

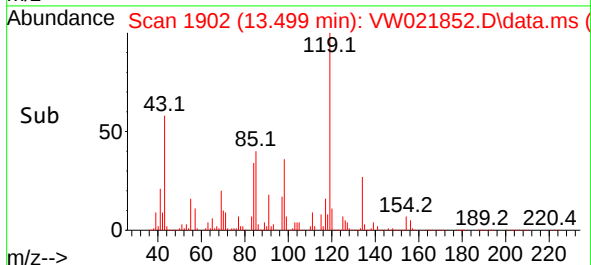
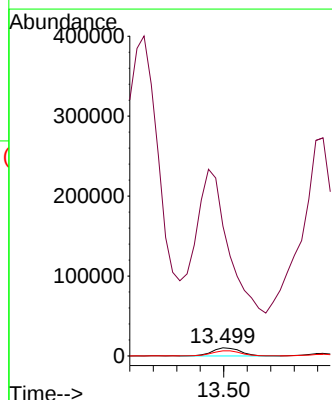
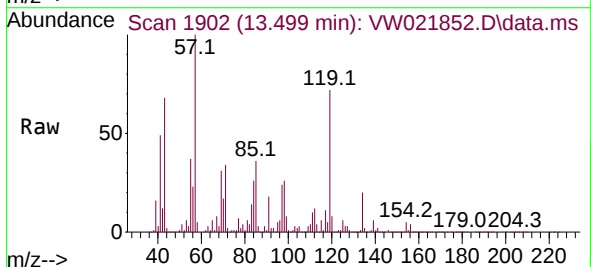
Instrument :
MSVOA_W
ClientSampleId :

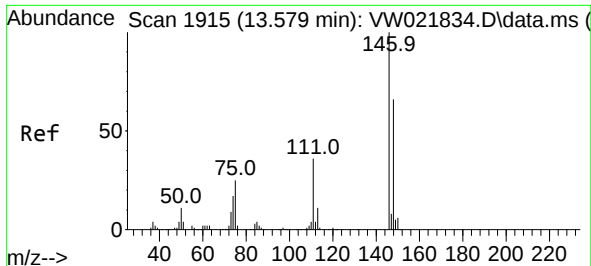
Tgt Ion:105 Resp:16166956
Ion Ratio Lower Upper
105 100
120 51.6 35.0 52.6



#64
1,3-Dichlorobenzene
Concen: 41.016 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Tgt Ion:146 Resp: 16908
Ion Ratio Lower Upper
146 100
111 1593.3 29.8 55.3#
148 63.0 46.2 85.8

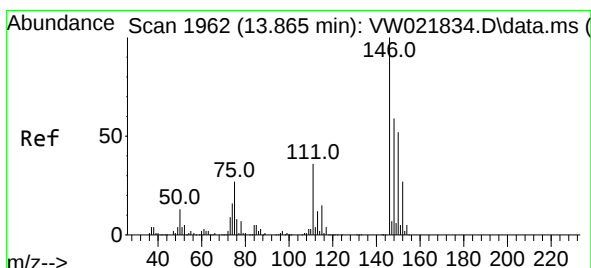
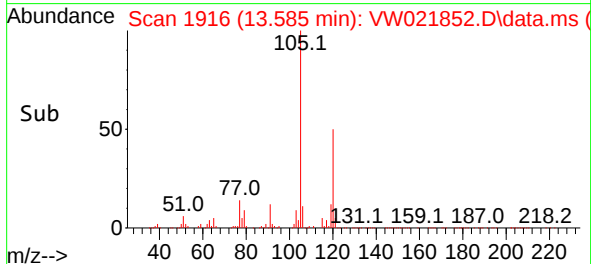
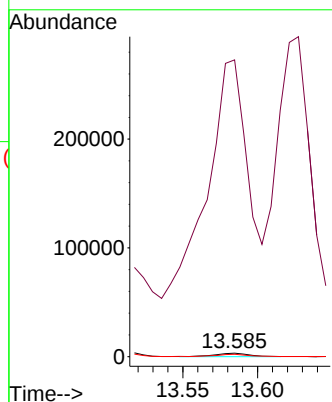
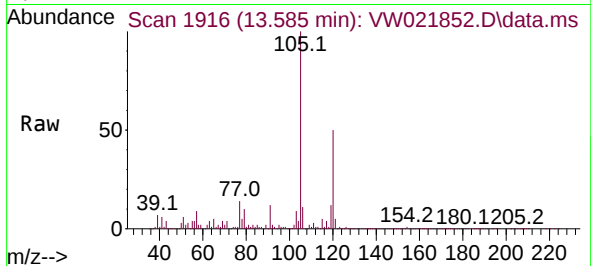




#65
1,4-Dichlorobenzene
Concen: 11.879 ug/L
RT: 13.585 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

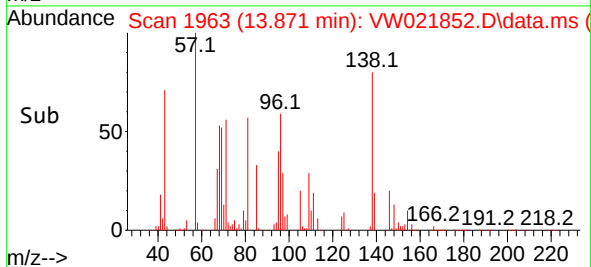
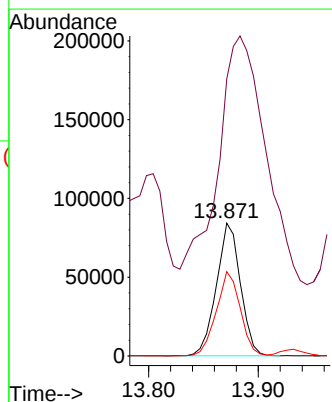
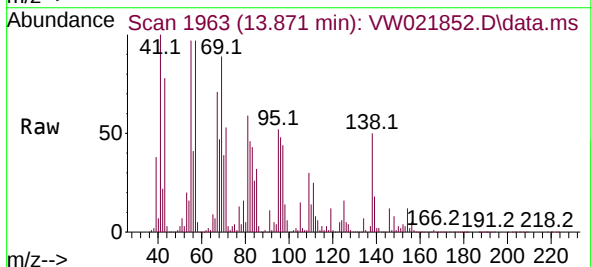
Instrument :
MSVOA_W
ClientSampleId :

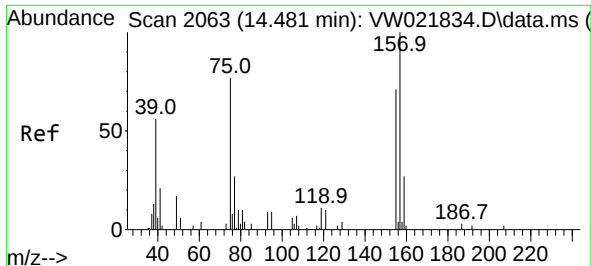
Tgt Ion:146 Resp: 4835
Ion Ratio Lower Upper
146 100
111 8277.7 29.0 53.9#
148 67.7 46.9 87.1



#67
1,2-Dichlorobenzene
Concen: 354.991 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW021852.D
Acq: 11 Jan 2022 23:20

Tgt Ion:146 Resp: 128126
Ion Ratio Lower Upper
146 100
111 208.7 33.1 49.7#
148 63.5 47.4 71.2





#68

1,2-Dibromo-3-chloropropane

Concen: 358.139 ug/L

RT: 14.493 min Scan# 2065

Delta R.T. 0.012 min

Lab File: VW021852.D

Acq: 11 Jan 2022 23:20

Instrument :

MSVOA_W

ClientSampleId :

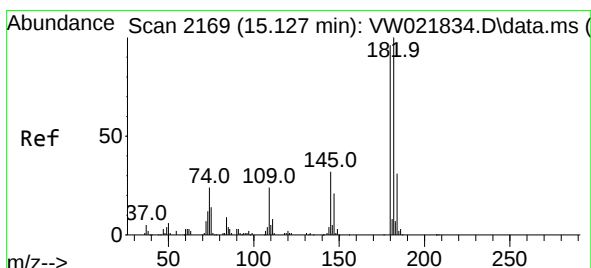
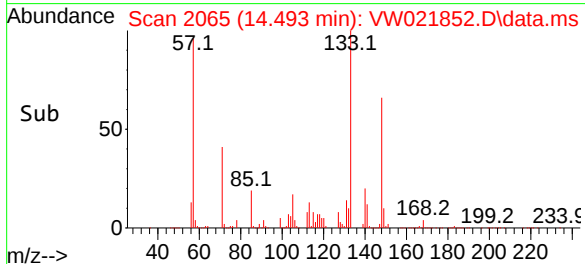
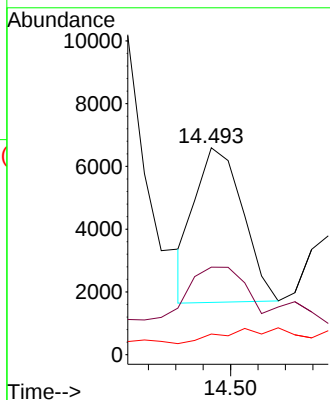
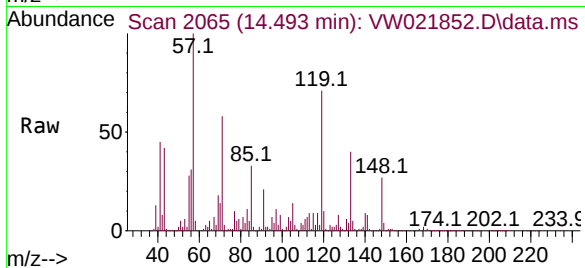
Tgt Ion: 75 Resp: 5951

Ion Ratio Lower Upper

75 100

155 42.3 54.2 81.2#

157 10.0 69.4 104.2#



#70

1,2,4-trichlorobenzene

Concen: 189.250 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW021852.D

Acq: 11 Jan 2022 23:20

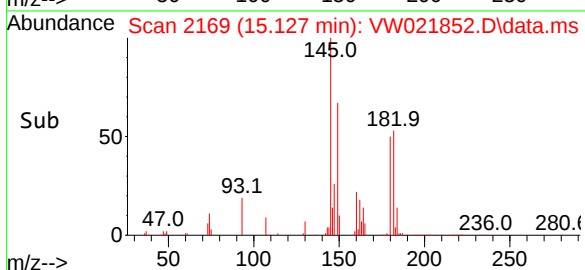
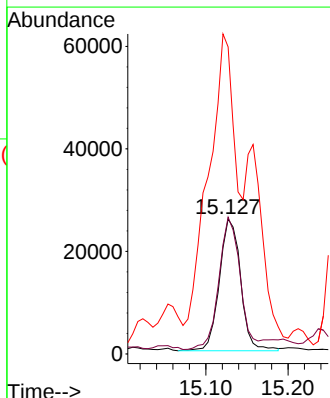
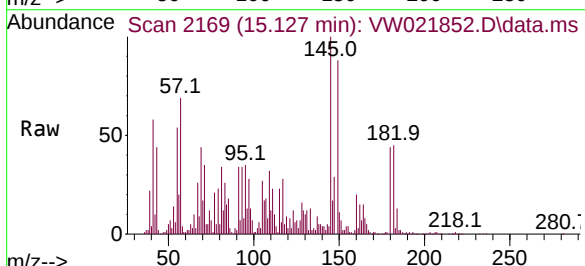
Tgt Ion:180 Resp: 46202

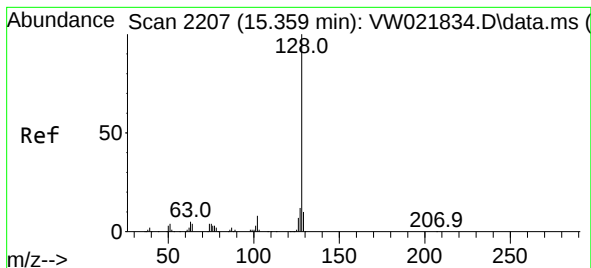
Ion Ratio Lower Upper

180 100

182 100.2 79.0 118.6

145 312.5 26.0 39.0#





#71

Naphthalene

Concen: 3862.171 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW021852.D

Acq: 11 Jan 2022 23:20

Instrument :

MSVOA_W

ClientSampleId :

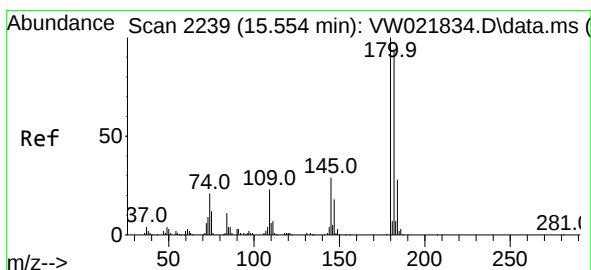
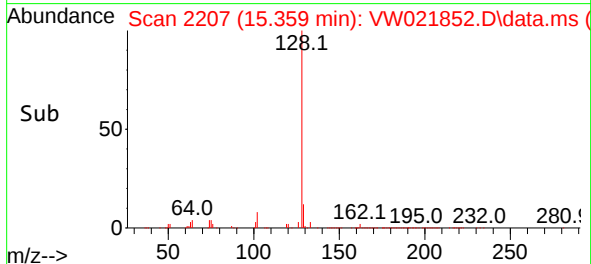
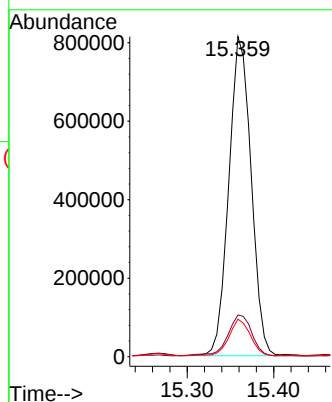
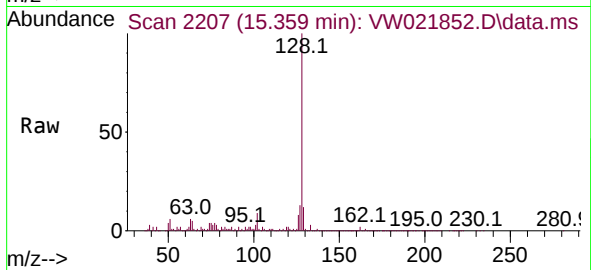
Tgt Ion:128 Resp: 1454473

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 20.228 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. -0.000 min

Lab File: VW021852.D

Acq: 11 Jan 2022 23:20

Tgt Ion:180 Resp: 4078

Ion Ratio Lower Upper

180 100

182 115.9 76.6 114.8#

145 0.0 27.4 41.0#

