

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021656.D
 Acq On : 25 Dec 2021 19:22
 Operator : SY/VA
 Sample : M5154-10RE
 Misc : 6.66g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 27 00:42:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	127259	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.633	117	123355	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	78423	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.342	65	31918	13.771	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.080%
7) Chloroethane-d5	2.879	69	22950	14.979	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.920%
11) 1,1-Dichloroethene-d2	4.007	63	37074	11.998	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.000%
21) 2-Butanone-d5	7.110	46	13984	42.803	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.600%
24) Chloroform-d	7.646	84	69961	19.727	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.920%
26) 1,2-Dichloroethane-d4	8.311	65	36937	19.580	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.320%
32) Benzene-d6	8.274	84	128991	19.077	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.320%
36) 1,2-Dichloropropane-d6	9.274	67	37332	20.587	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.360%
41) Toluene-d8	10.323	98	125946	18.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.920%
43) trans-1,3-Dichloroprop...	10.579	79	14756	17.673	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.680%
47) 2-Hexanone-d5	10.926	63	13019	48.552	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.100%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	34102	21.877	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.520%
66) 1,2-Dichlorobenzene-d4	13.853	152	54983	18.091	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.360%#
Target Compounds						Qvalue
13) Acetone	4.184	43	43428	148.278	ug/L	73
14) Carbon disulfide	4.366	76	4725	1.160	ug/L	# 94
22) 2-Butanone	7.207	43	3442	8.999	ug/L	# 65
29) Cyclohexane	7.921	56	4122	1.679	ug/L	# 58
33) Benzene	8.323	78	3963	0.590	ug/L	100
35) Methylcyclohexane	9.335	83	7253	2.331	ug/L	# 69
39) cis-1,3-Dichloropropene	10.036	75	1318	0.558	ug/L	# 62
40) 4-Methyl-2-pentanone	10.213	43	12383	15.162	ug/L	# 92
42) Toluene	10.384	91	49853	6.343	ug/L	99
45) 1,1,2-Trichloroethane	10.810	97	832	0.678	ug/L	# 42
48) 2-Hexanone	10.932	43	8033	13.563	ug/L	# 32
51) Chlorobenzene	11.658	112	7534	1.432	ug/L	90
52) Ethylbenzene	11.731	91	1088470	121.197	ug/L	95
53) m,p-Xylene	11.835	106	184856	51.023	ug/L	83
54) o-Xylene	12.164	106	196291	57.088	ug/L	91
55) Styrene	12.164	104	10124	1.730	ug/L	# 1
60) Isopropylbenzene	12.463	105	304547	28.579	ug/L	96
61) 1,2,3-Trichloropropane	12.804	75	1969	1.725	ug/L	# 1
62) 1,3,5-Trimethylbenzene	12.938	105	121462	13.395	ug/L	95

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

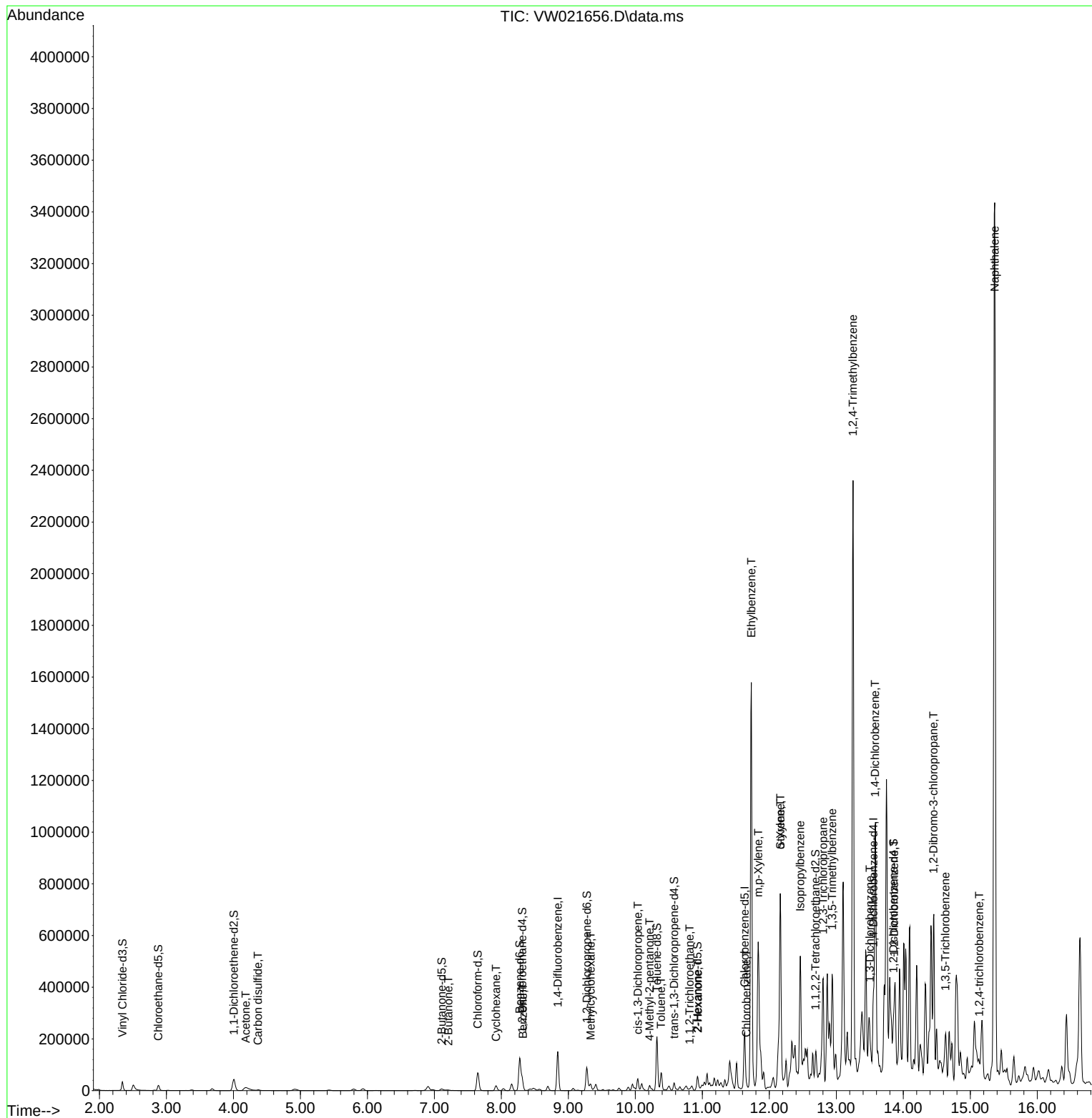
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	1285660	143.727	ug/L	95
64) 1,3-Dichlorobenzene	13.499	146	7725	1.537	ug/L #	76
65) 1,4-Dichlorobenzene	13.578	146	13434	2.690	ug/L #	77
67) 1,2-Dichlorobenzene	13.865	146	15498	3.502	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	14.450	75	2986	12.684	ug/L #	10
69) 1,3,5-Trichlorobenzene	14.627	180	29000	7.720	ug/L	96
70) 1,2,4-trichlorobenzene	15.133	180	18121	5.997	ug/L #	57
71) Naphthalene	15.364	128	3097718	631.014	ug/L	99

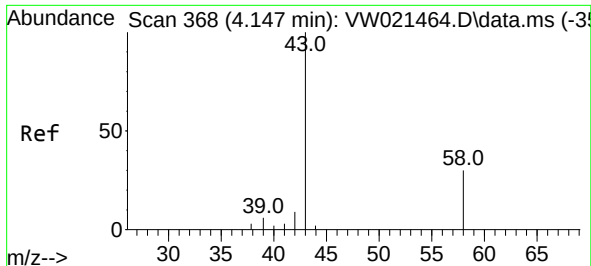
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 148.278 ug/L

RT: 4.184 min Scan# 31

Delta R.T. 0.024 min

Lab File: VW021656.D

Acq: 25 Dec 2021 19:22

Instrument :

MSVOA_W

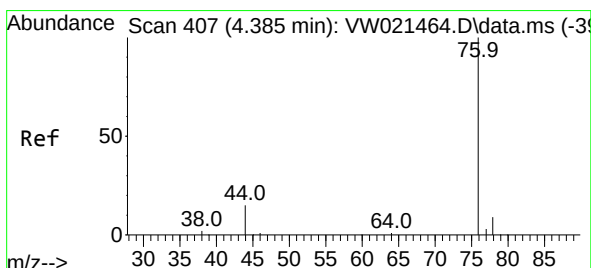
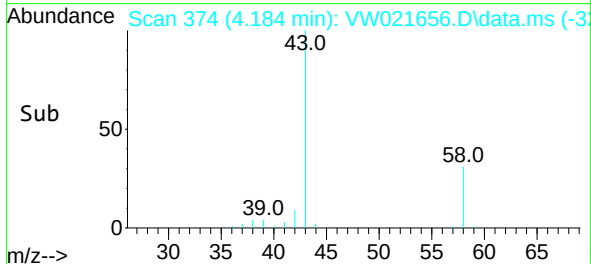
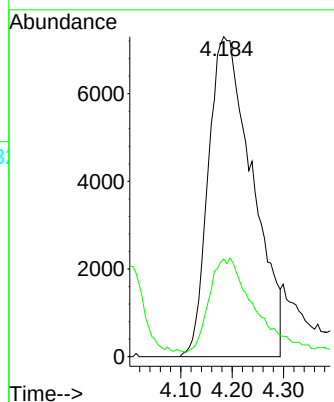
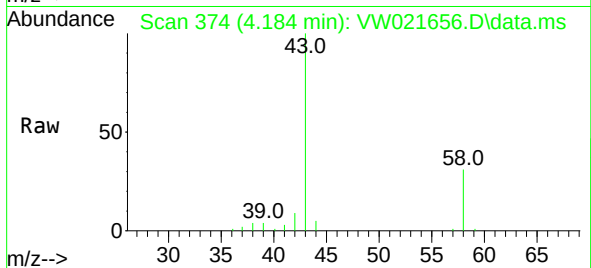
ClientSampleId :

Tgt Ion: 43 Resp: 43428

Ion Ratio Lower Upper

43 100

58 12.3 0.0 52.8



#14

Carbon disulfide

Concen: 1.160 ug/L

RT: 4.366 min Scan# 404

Delta R.T. -0.019 min

Lab File: VW021656.D

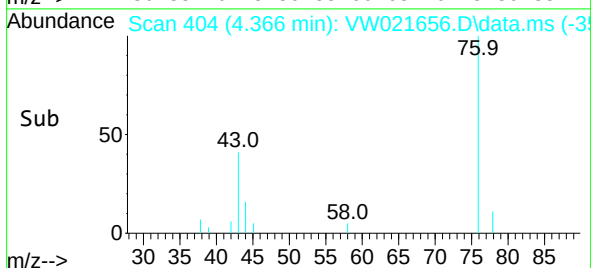
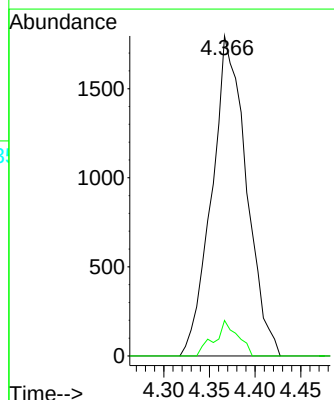
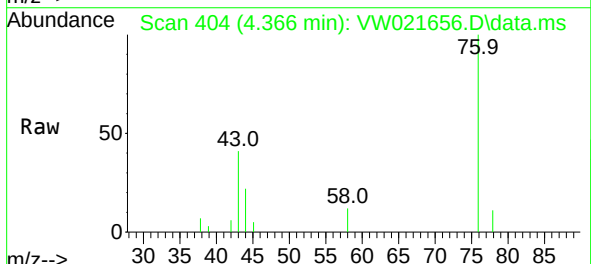
Acq: 25 Dec 2021 19:22

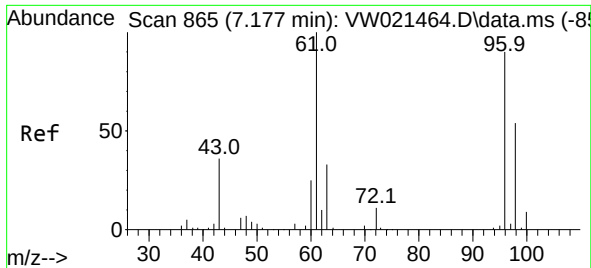
Tgt Ion: 76 Resp: 4725

Ion Ratio Lower Upper

76 100

78 11.1 7.1 10.7#

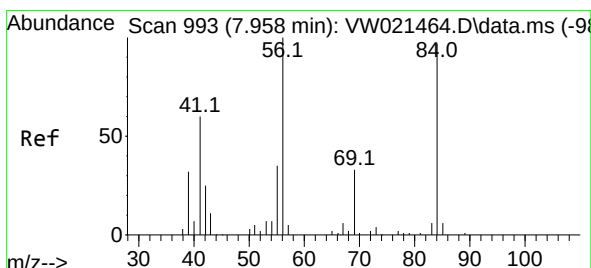
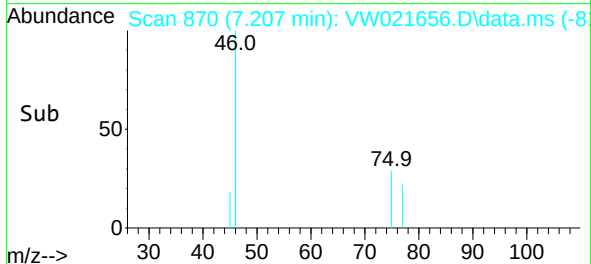
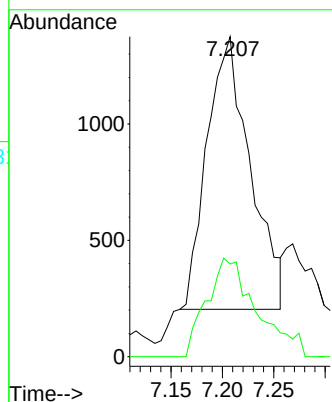
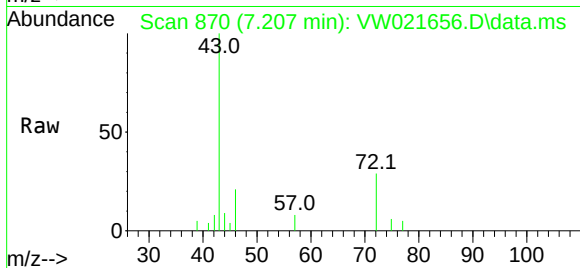




#22
2-Butanone
Concen: 8.999 ug/L
RT: 7.207 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

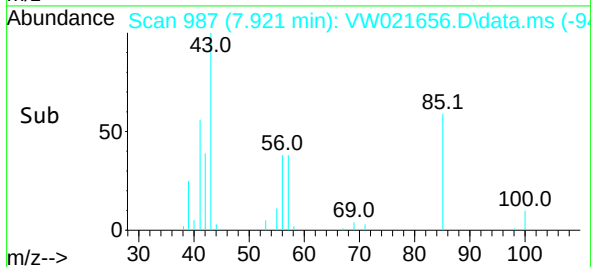
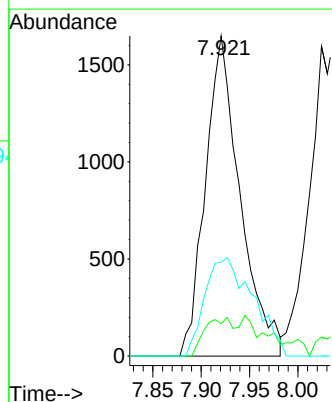
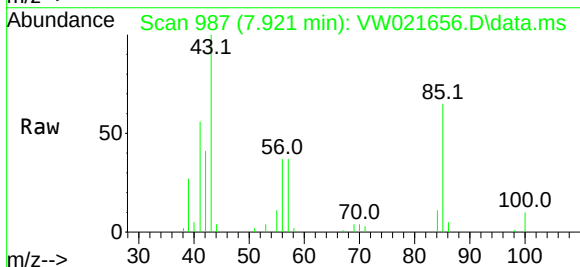
Instrument :
MSVOA_W
ClientSampleId :

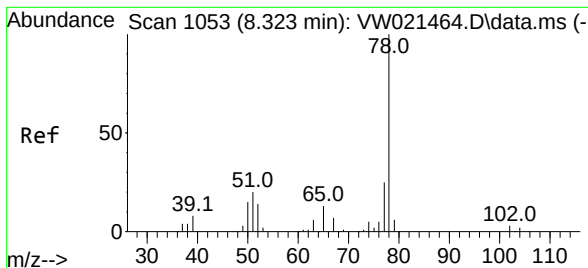
Tgt Ion: 43 Resp: 3442
Ion Ratio Lower Upper
43 100
72 40.6 11.8 35.4#



#29
Cyclohexane
Concen: 1.679 ug/L
RT: 7.921 min Scan# 987
Delta R.T. -0.037 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

Tgt Ion: 56 Resp: 4122
Ion Ratio Lower Upper
56 100
69 6.5 23.5 35.3#
84 42.4 63.4 95.2#





#33

Benzene

Concen: 0.590 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW021656.D

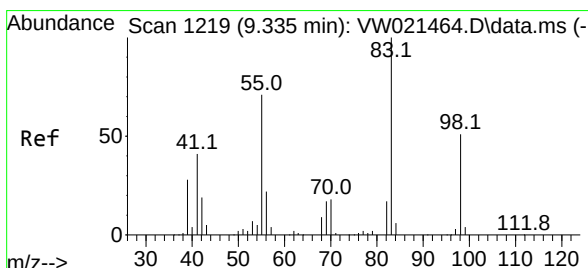
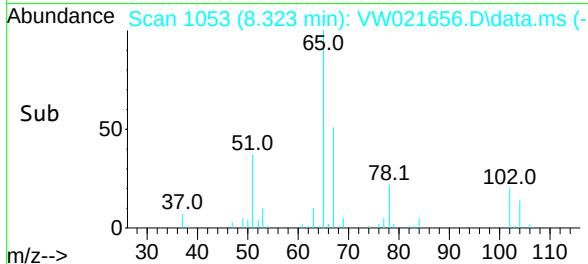
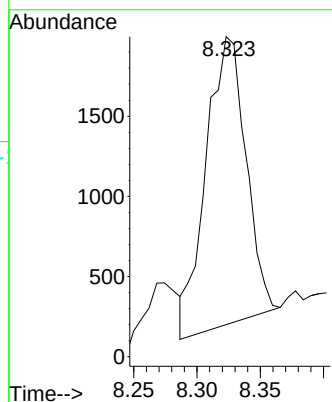
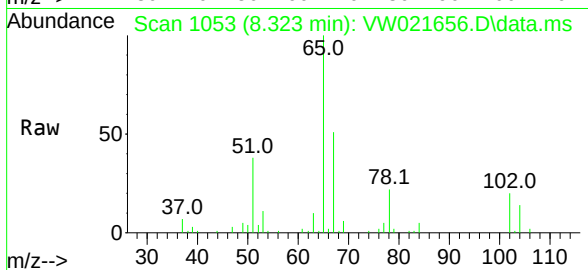
Acq: 25 Dec 2021 19:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 3963



#35

Methylcyclohexane

Concen: 2.331 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021656.D

Acq: 25 Dec 2021 19:22

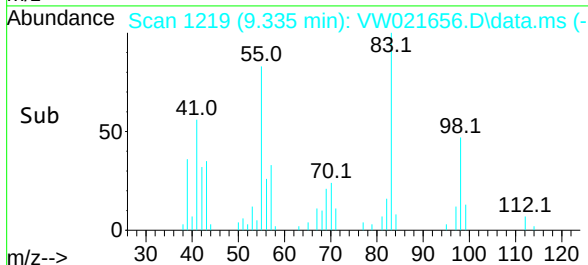
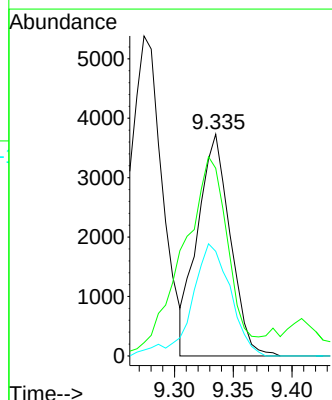
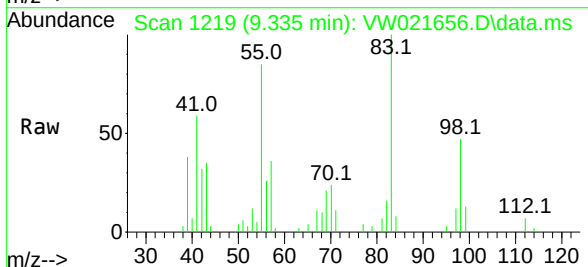
Tgt Ion: 83 Resp: 7253

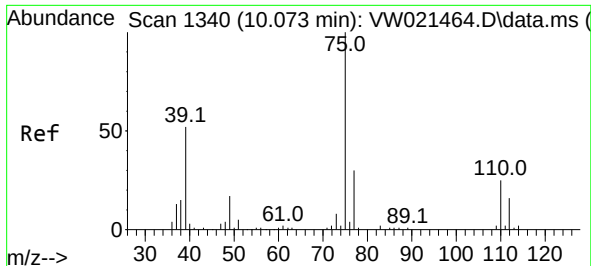
Ion Ratio Lower Upper

83 100

55 126.1 70.8 106.2#

98 56.6 37.7 56.5#





#39

cis-1,3-Dichloropropene

Concen: 0.558 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021656.D

Acq: 25 Dec 2021 19:22

Instrument :

MSVOA_W

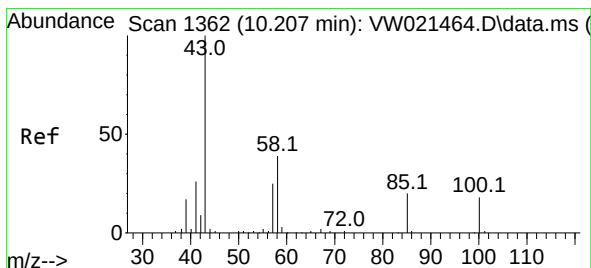
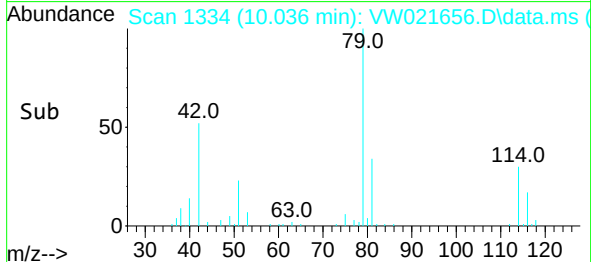
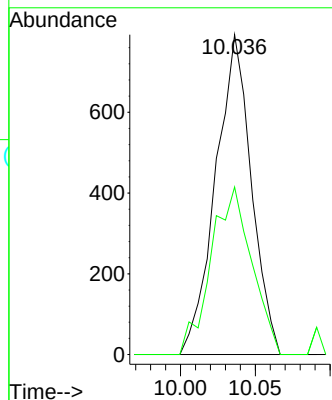
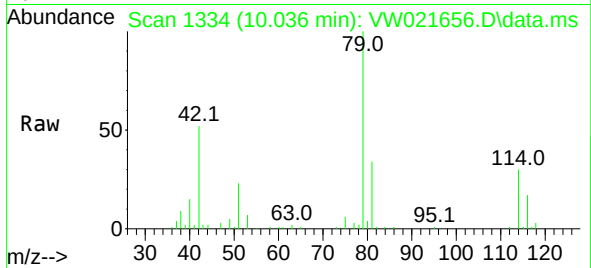
ClientSampleId :

Tgt Ion: 75 Resp: 1318

Ion Ratio Lower Upper

75 100

77 52.4 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 15.162 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VW021656.D

Acq: 25 Dec 2021 19:22

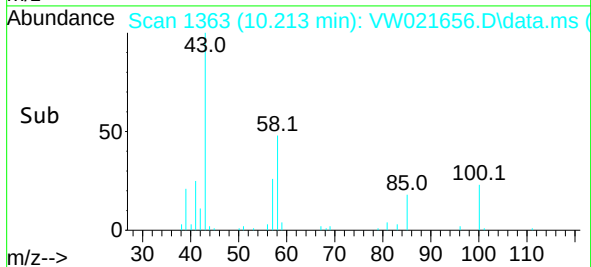
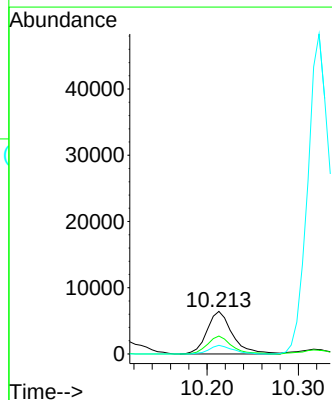
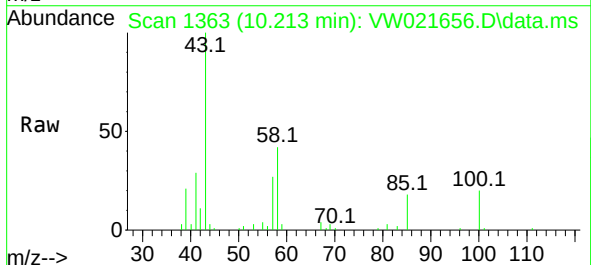
Tgt Ion: 43 Resp: 12383

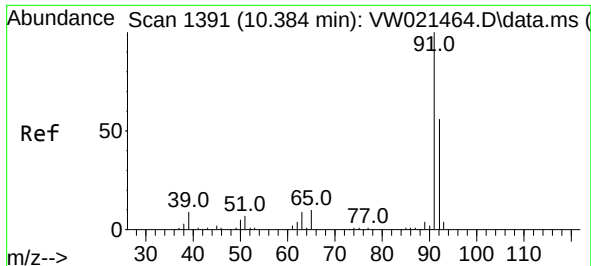
Ion Ratio Lower Upper

43 100

58 39.4 28.8 43.2

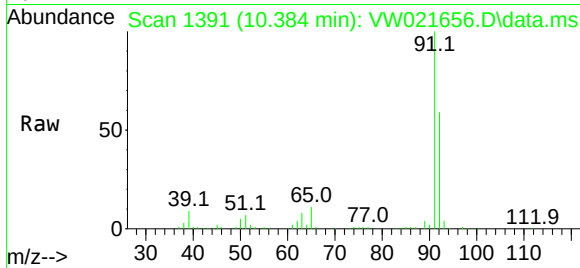
100 18.4 10.0 15.0#



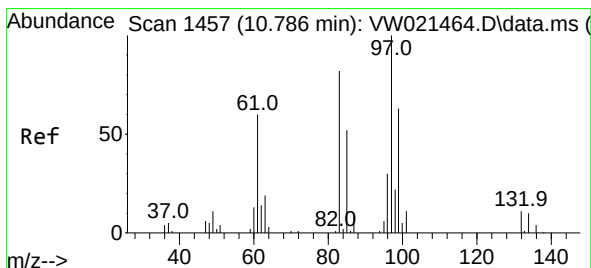
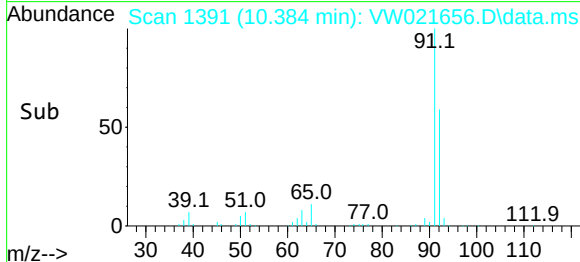
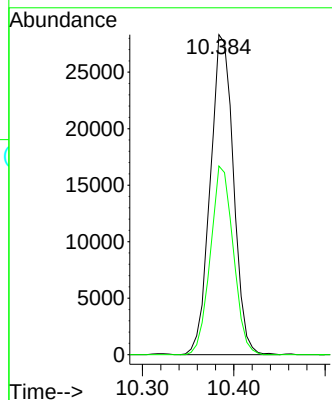


#42
Toluene
Concen: 6.343 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

Instrument :
MSVOA_W
ClientSampleId :

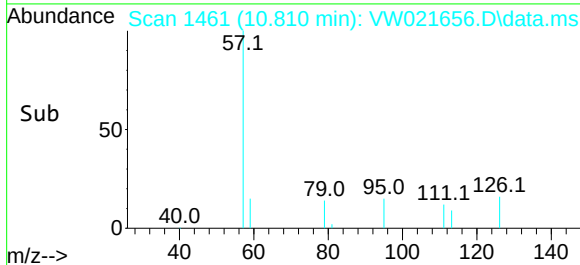
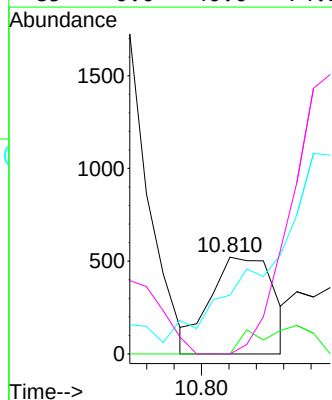
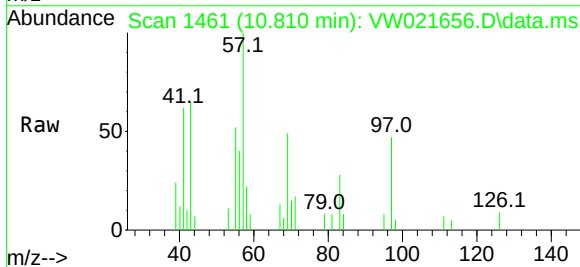


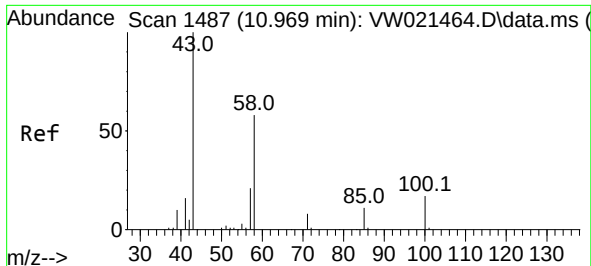
Tgt Ion: 91 Resp: 49853
Ion Ratio Lower Upper
91 100
92 59.0 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 0.678 ug/L
RT: 10.810 min Scan# 1461
Delta R.T. 0.024 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

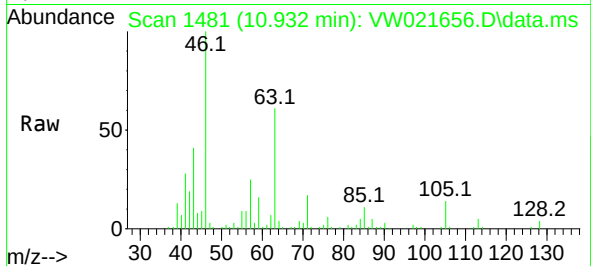
Tgt Ion: 97 Resp: 832
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 60.5 62.6 116.3#
85 0.0 40.0 74.2#



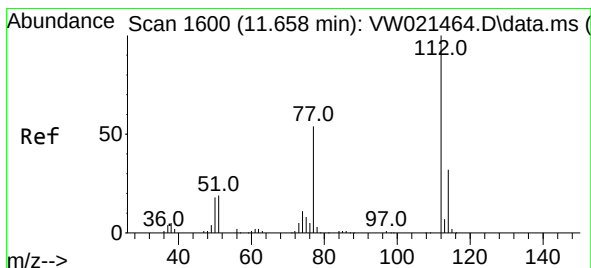
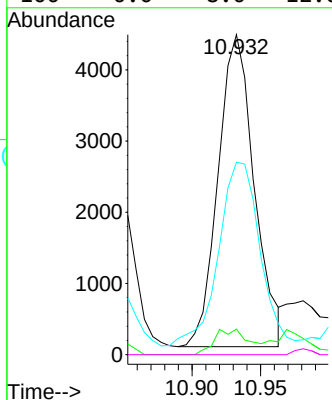
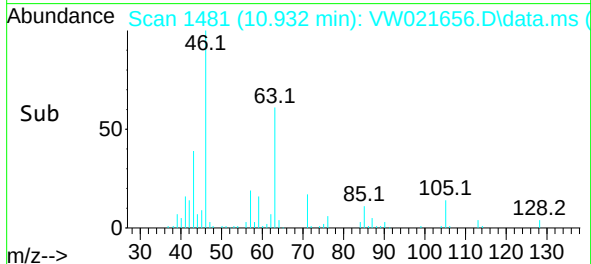


#48
2-Hexanone
Concen: 13.563 ug/L
RT: 10.932 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

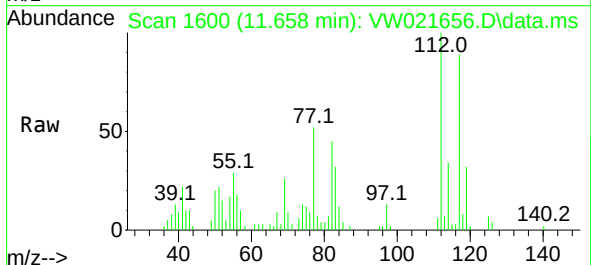
Instrument :
MSVOA_W
ClientSampleId :



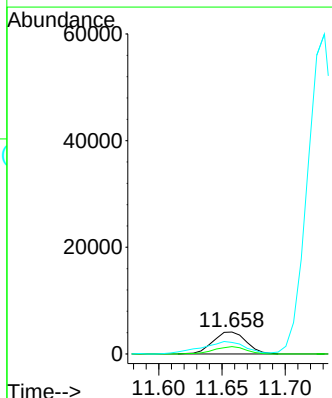
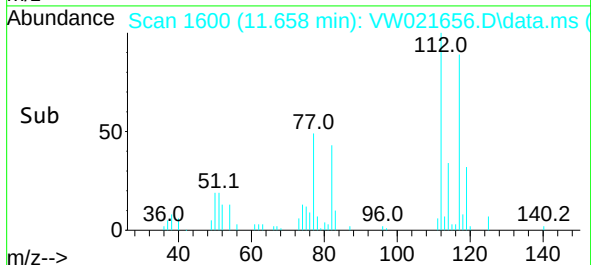
Tgt Ion: 43 Resp: 8033
Ion Ratio Lower Upper
43 100
58 7.9 40.2 60.2#
57 67.0 14.3 21.5#
100 0.0 8.0 12.0#

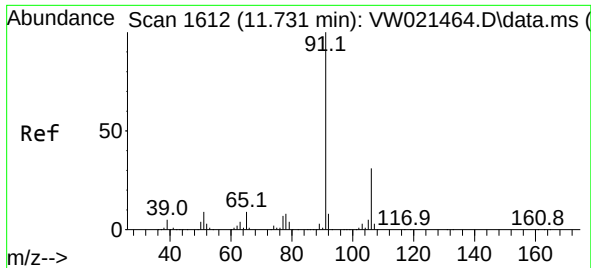


#51
Chlorobenzene
Concen: 1.432 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22



Tgt Ion: 112 Resp: 7534
Ion Ratio Lower Upper
112 100
114 33.7 22.4 41.6
77 52.5 50.2 75.4

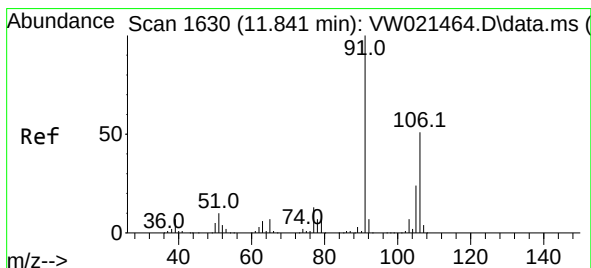
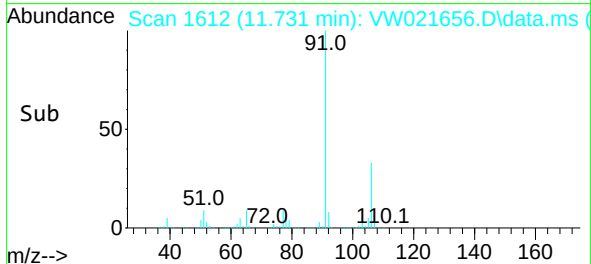
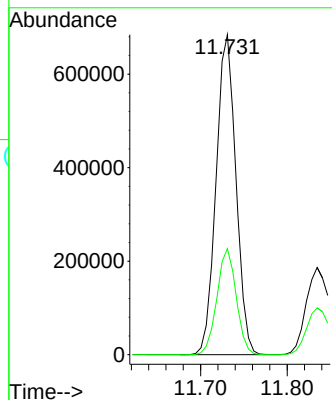
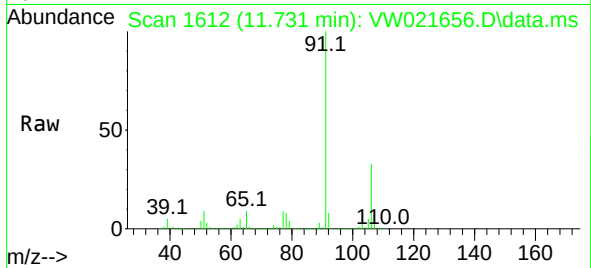




#52
Ethylbenzene
Concen: 121.197 ug/L
RT: 11.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

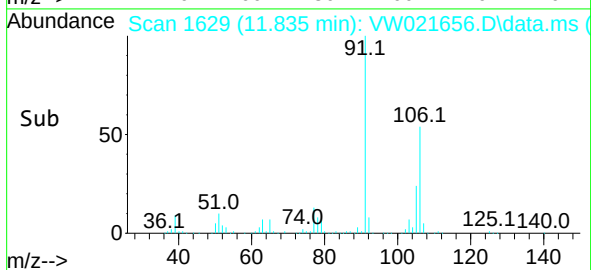
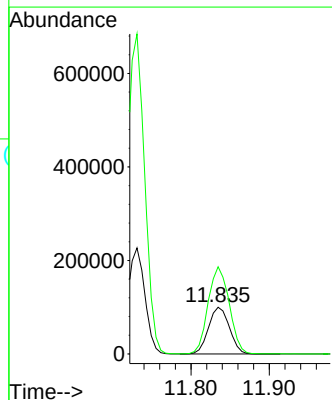
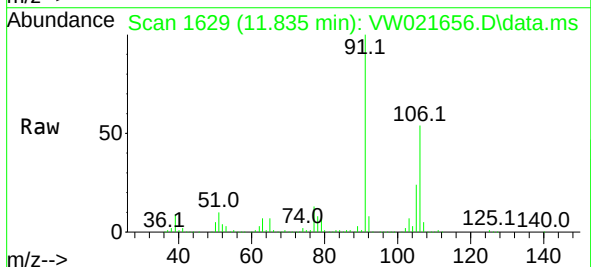
Instrument :
MSVOA_W
ClientSampleId :

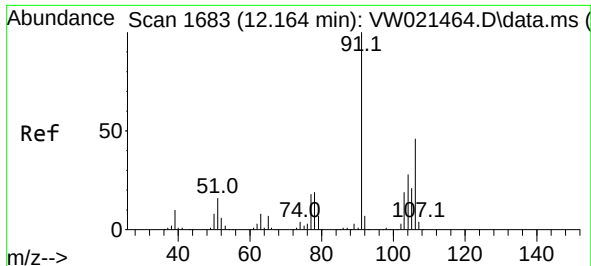
Tgt Ion: 91 Resp: 1088470
Ion Ratio Lower Upper
91 100
106 33.2 21.5 39.9



#53
m,p-Xylene
Concen: 51.023 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

Tgt Ion: 106 Resp: 184856
Ion Ratio Lower Upper
106 100
91 186.7 149.9 278.3

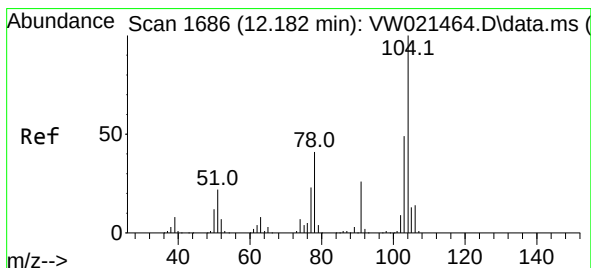
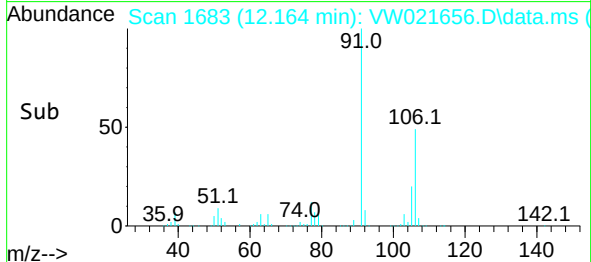
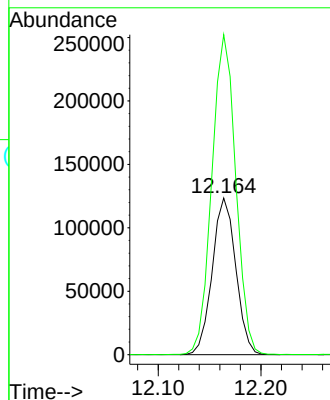
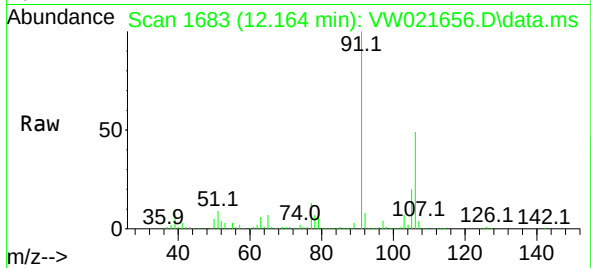




#54
o-Xylene
Concen: 57.088 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

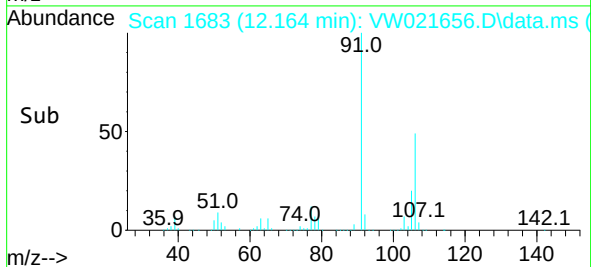
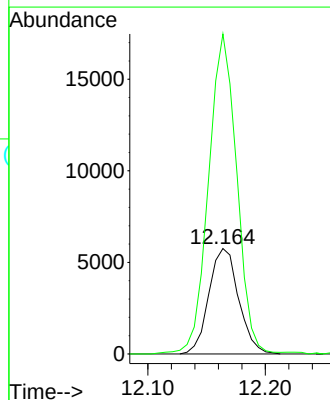
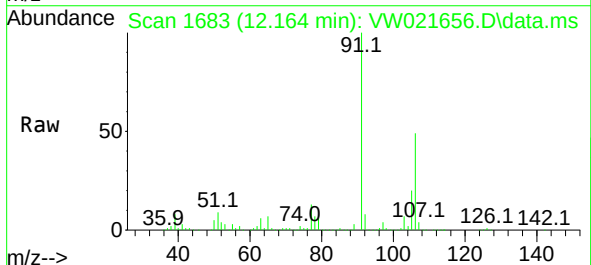
Instrument :
MSVOA_W
ClientSampleId :

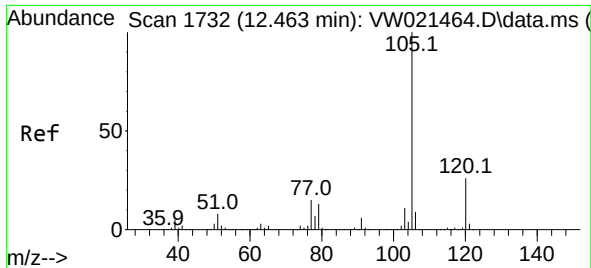
Tgt Ion:106 Resp: 196291
Ion Ratio Lower Upper
106 100
91 204.3 153.6 285.3



#55
Styrene
Concen: 1.730 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.012 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

Tgt Ion:104 Resp: 10124
Ion Ratio Lower Upper
104 100
78 303.4 34.4 64.0#

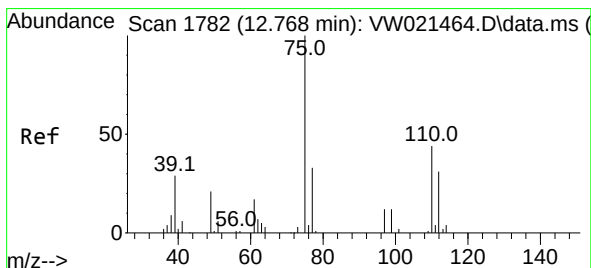
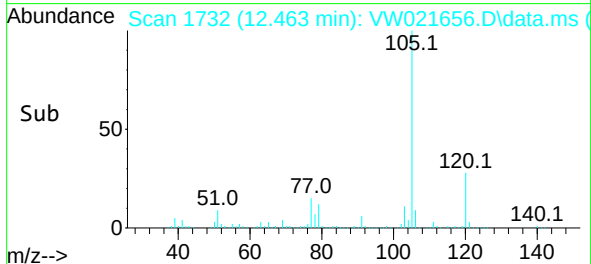
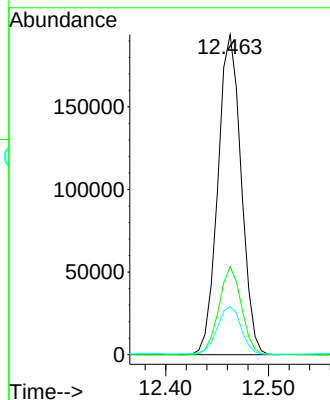
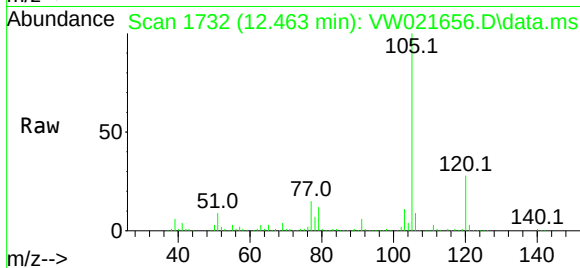




#60
Isopropylbenzene
Concen: 28.579 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

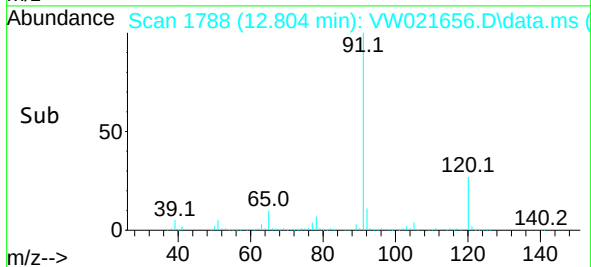
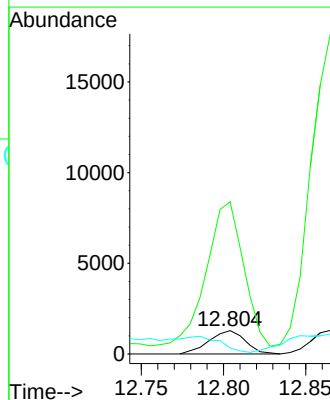
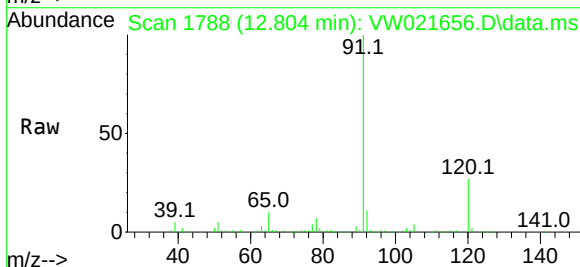
Instrument :
MSVOA_W
ClientSampleId :

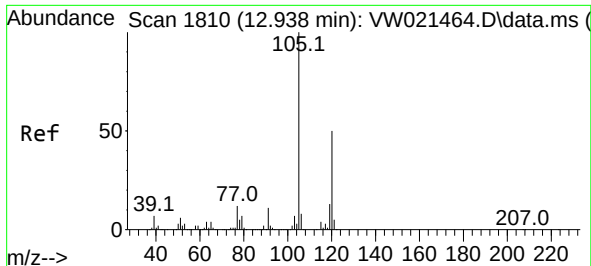
Tgt Ion:105 Resp: 304547
Ion Ratio Lower Upper
105 100
120 26.7 20.1 30.1
77 15.3 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 1.725 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.036 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

Tgt Ion: 75 Resp: 1969
Ion Ratio Lower Upper
75 100
77 634.3 25.8 38.8#
110 61.9 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 13.395 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021656.D

Acq: 25 Dec 2021 19:22

Instrument :

MSVOA_W

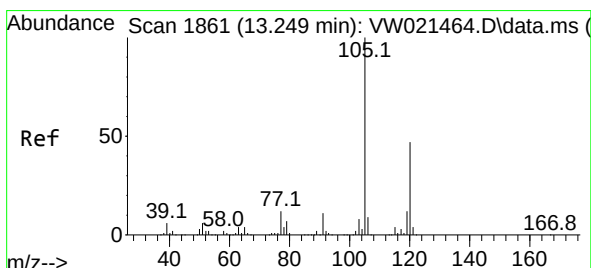
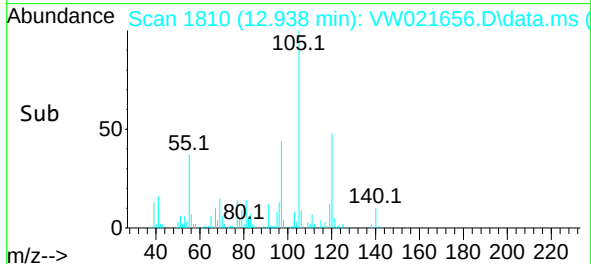
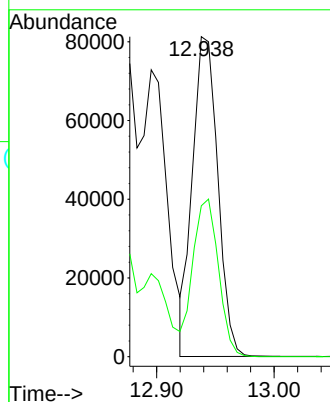
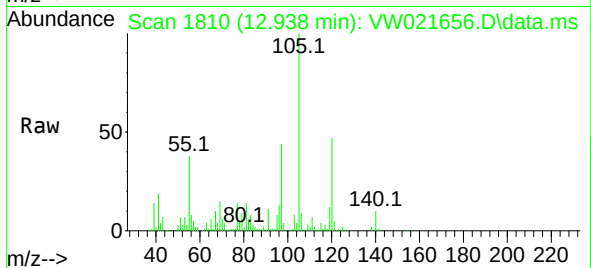
ClientSampleId :

Tgt Ion:105 Resp: 121462

Ion Ratio Lower Upper

105 100

120 49.9 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 143.727 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021656.D

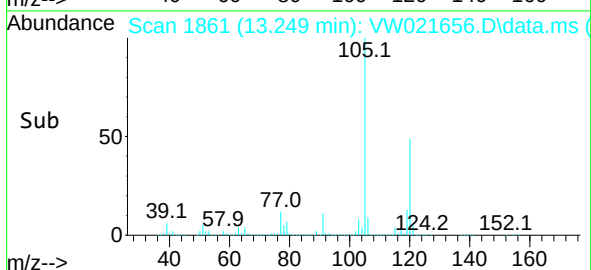
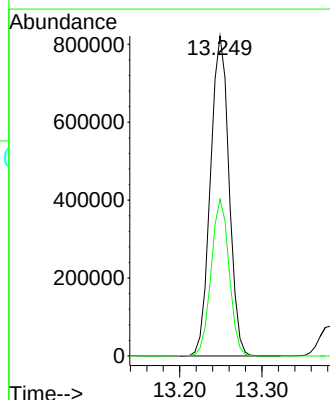
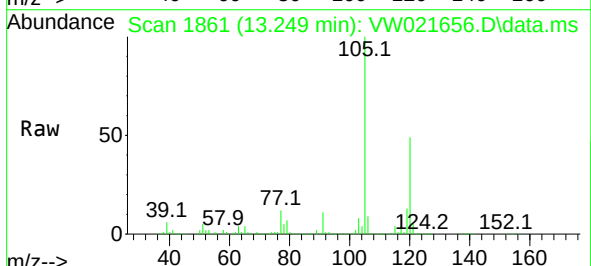
Acq: 25 Dec 2021 19:22

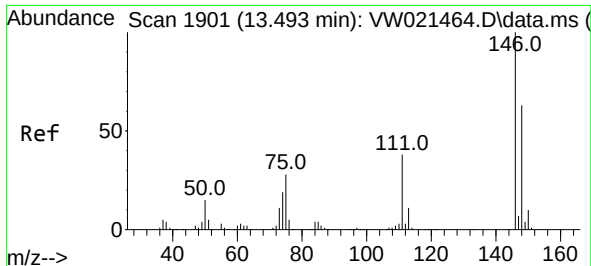
Tgt Ion:105 Resp: 1285660

Ion Ratio Lower Upper

105 100

120 47.2 35.0 52.6

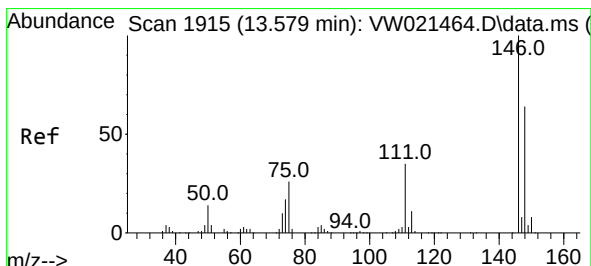
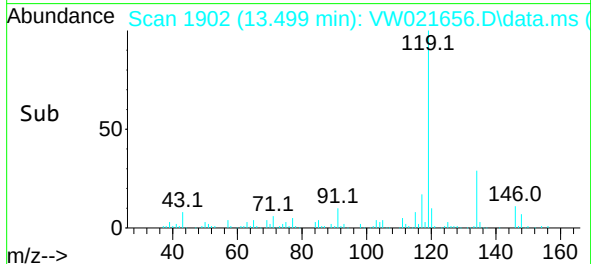
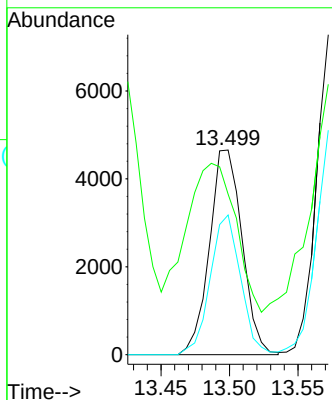
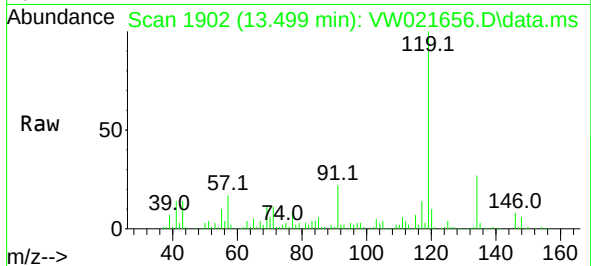




#64
1,3-Dichlorobenzene
Concen: 1.537 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

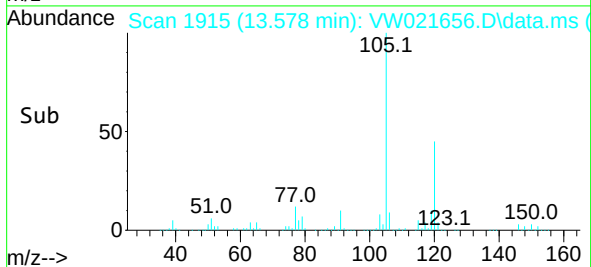
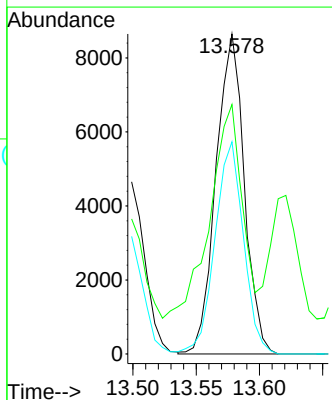
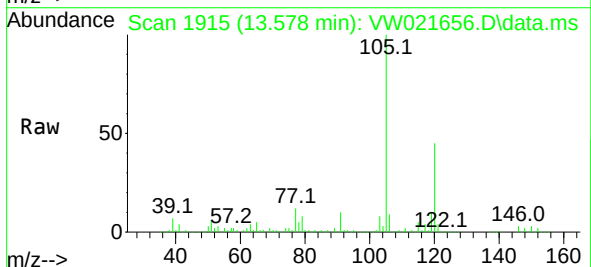
Instrument :
MSVOA_W
ClientSampleId :

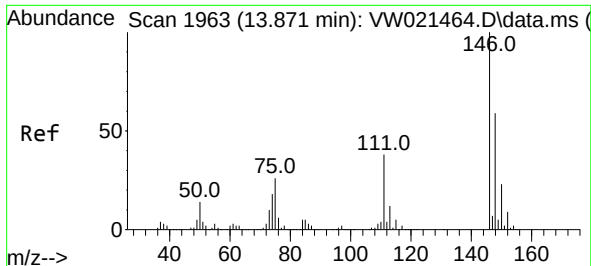
Tgt Ion:146 Resp: 7725
Ion Ratio Lower Upper
146 100
111 78.4 29.8 55.3#
148 68.2 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 2.690 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW021656.D
Acq: 25 Dec 2021 19:22

Tgt Ion:146 Resp: 13434
Ion Ratio Lower Upper
146 100
111 78.0 29.0 53.9#
148 66.3 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 3.502 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021656.D

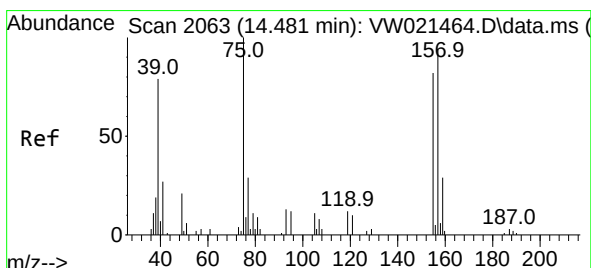
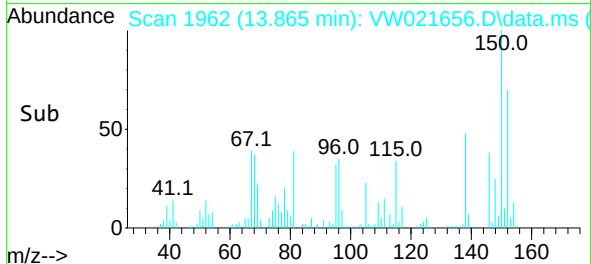
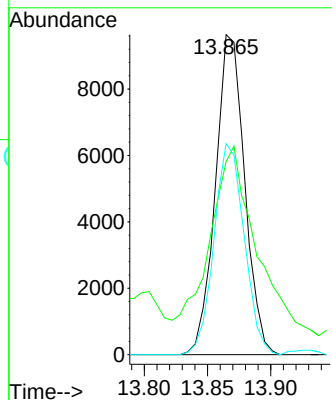
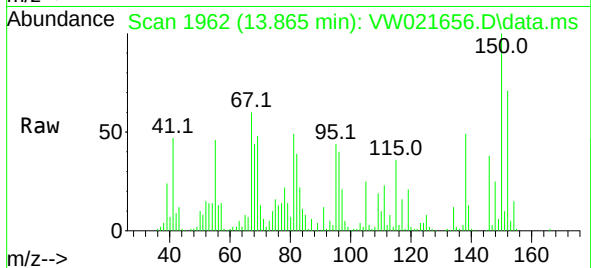
Acq: 25 Dec 2021 19:22

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	15498
Ion Ratio	Lower	Upper
146	100	
111	60.3	33.1 49.7#
148	66.0	47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 12.684 ug/L

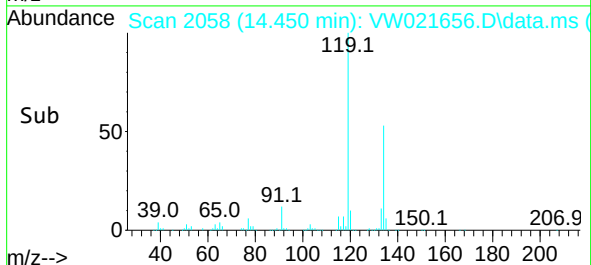
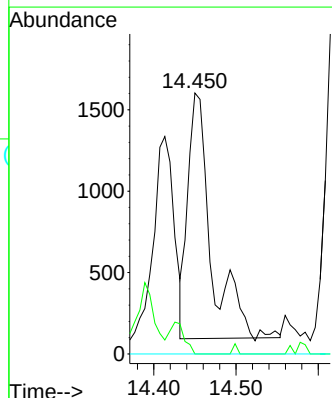
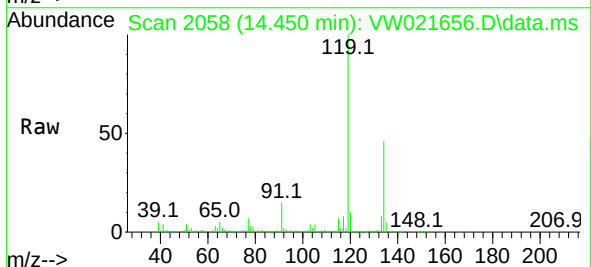
RT: 14.450 min Scan# 2058

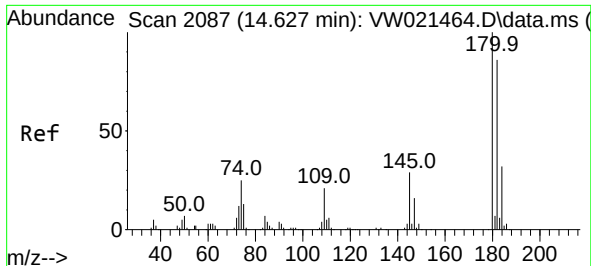
Delta R.T. -0.031 min

Lab File: VW021656.D

Acq: 25 Dec 2021 19:22

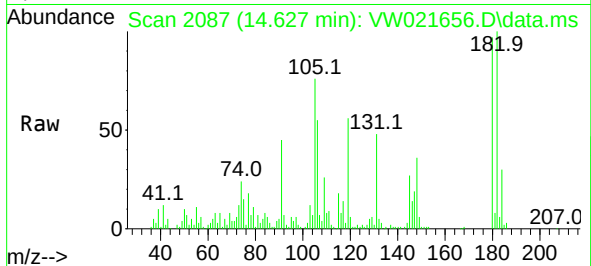
Tgt Ion: 75	Resp:	2986
Ion Ratio	Lower	Upper
75	100	
155	0.0	54.2 81.2#
157	0.0	69.4 104.2#



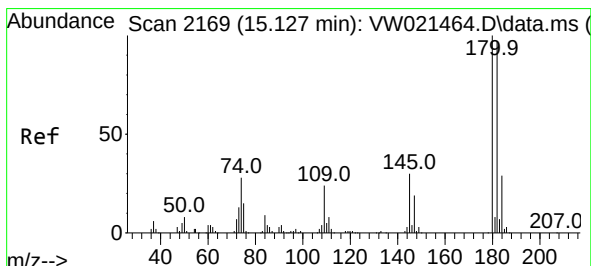
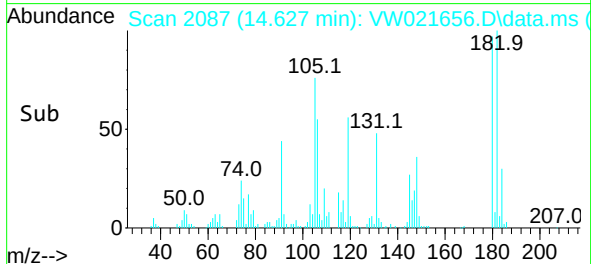
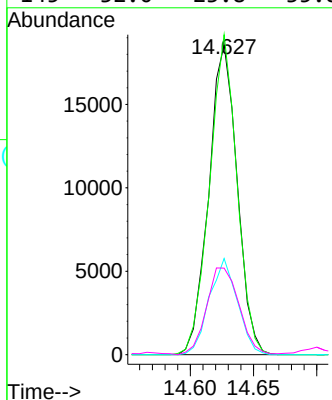


#69
 1,3,5-Trichlorobenzene
 Concen: 7.720 ug/L
 RT: 14.627 min Scan# 2087
 Delta R.T. -0.000 min
 Lab File: VW021656.D
 Acq: 25 Dec 2021 19:22

Instrument :
 MSVOA_W
 ClientSampleId :

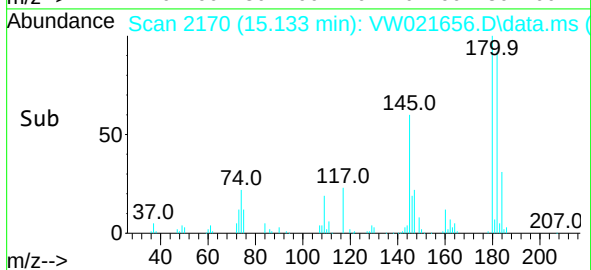
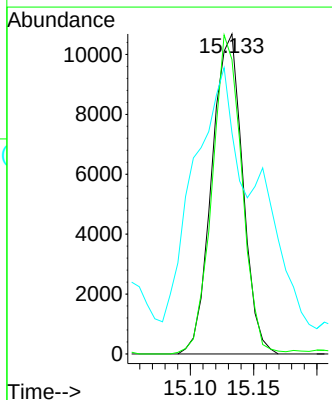
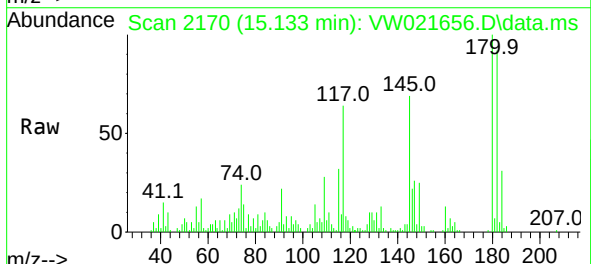


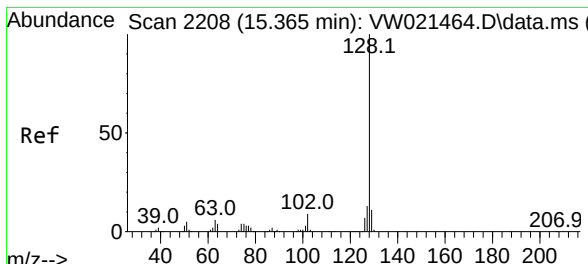
Tgt Ion:	180	Resp:	29000
Ion Ratio	Lower	Upper	
180	100		
182	99.4	75.4	113.0
184	30.7	23.8	35.8
145	32.0	23.8	35.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.997 ug/L
 RT: 15.133 min Scan# 2170
 Delta R.T. 0.006 min
 Lab File: VW021656.D
 Acq: 25 Dec 2021 19:22

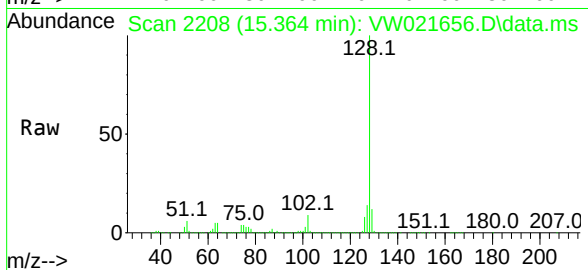
Tgt Ion:	180	Resp:	18121
Ion Ratio	Lower	Upper	
180	100		
182	96.2	79.0	118.6
145	126.1	26.0	39.0#





#71
 Naphthalene
 Concen: 631.014 ug/L
 RT: 15.364 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW021656.D
 Acq: 25 Dec 2021 19:22

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:128 Resp: 3097718

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.7	8.6	12.8

