

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021123.D
 Acq On : 04 Dec 2021 17:15
 Operator : SY/VA
 Sample : M4885-09
 Misc : 4.15g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 00:50:27 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	61363	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	30901	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	4580	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	44636	52.209	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 208.840%#	
7) Chloroethane-d5	2.885	69	30177	52.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 210.920%#	
11) 1,1-Dichloroethene-d2	4.019	63	44575	32.636	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 130.560%#	
21) 2-Butanone-d5	7.080	46	14621	74.976	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 149.960%#	
24) Chloroform-d	7.647	84	62529	40.689	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 162.760%#	
26) 1,2-Dichloroethane-d4	8.305	65	32271	38.385	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 153.560%#	
32) Benzene-d6	8.275	84	113334	71.731	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 286.920%#	
36) 1,2-Dichloropropane-d6	9.274	67	31984	72.844	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 291.360%#	
41) Toluene-d8	10.323	98	77831	48.041	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 192.160%#	
43) trans-1,3-Dichloroprop...	10.579	79	7118	35.702	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 142.800%#	
47) 2-Hexanone-d5	10.926	63	8765	104.337	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 208.680%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	17264	42.500	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 170.000%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	5359	32.657	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 130.640%#	
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	1246	7.014	ug/L	69
22) 2-Butanone	7.141	43	909	3.698	ug/L #	52
27) 1,2-Dichloroethane	8.396	62	2381	2.411	ug/L #	87
29) Cyclohexane	7.951	56	885	1.298	ug/L #	87
33) Benzene	8.329	78	3588	2.042	ug/L	100
34) Trichloroethene	9.091	95	279831	577.221	ug/L	93
35) Methylcyclohexane	9.335	83	2951	3.616	ug/L	89
37) 1,2-Dichloropropane	9.274	63	4238	10.671	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	948	1.476	ug/L	87
42) Toluene	10.390	91	12232	6.094	ug/L	99
46) Tetrachloroethene	10.859	164	525901	1184.676	ug/L	96
48) 2-Hexanone	10.920	43	1597	8.182	ug/L #	62
49) Dibromochloromethane	10.859	129	461305	1108.469	ug/L #	10
52) Ethylbenzene	11.731	91	1488	0.659	ug/L	94
53) m,p-Xylene	11.835	106	2000	2.140	ug/L	88
54) o-Xylene	12.164	106	1396	1.584	ug/L	100
60) Isopropylbenzene	12.469	105	658	1.034	ug/L #	87
61) 1,2,3-Trichloropropane	12.603	75	235	3.063	ug/L #	72
62) 1,3,5-Trimethylbenzene	12.938	105	437	0.820	ug/L	94

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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

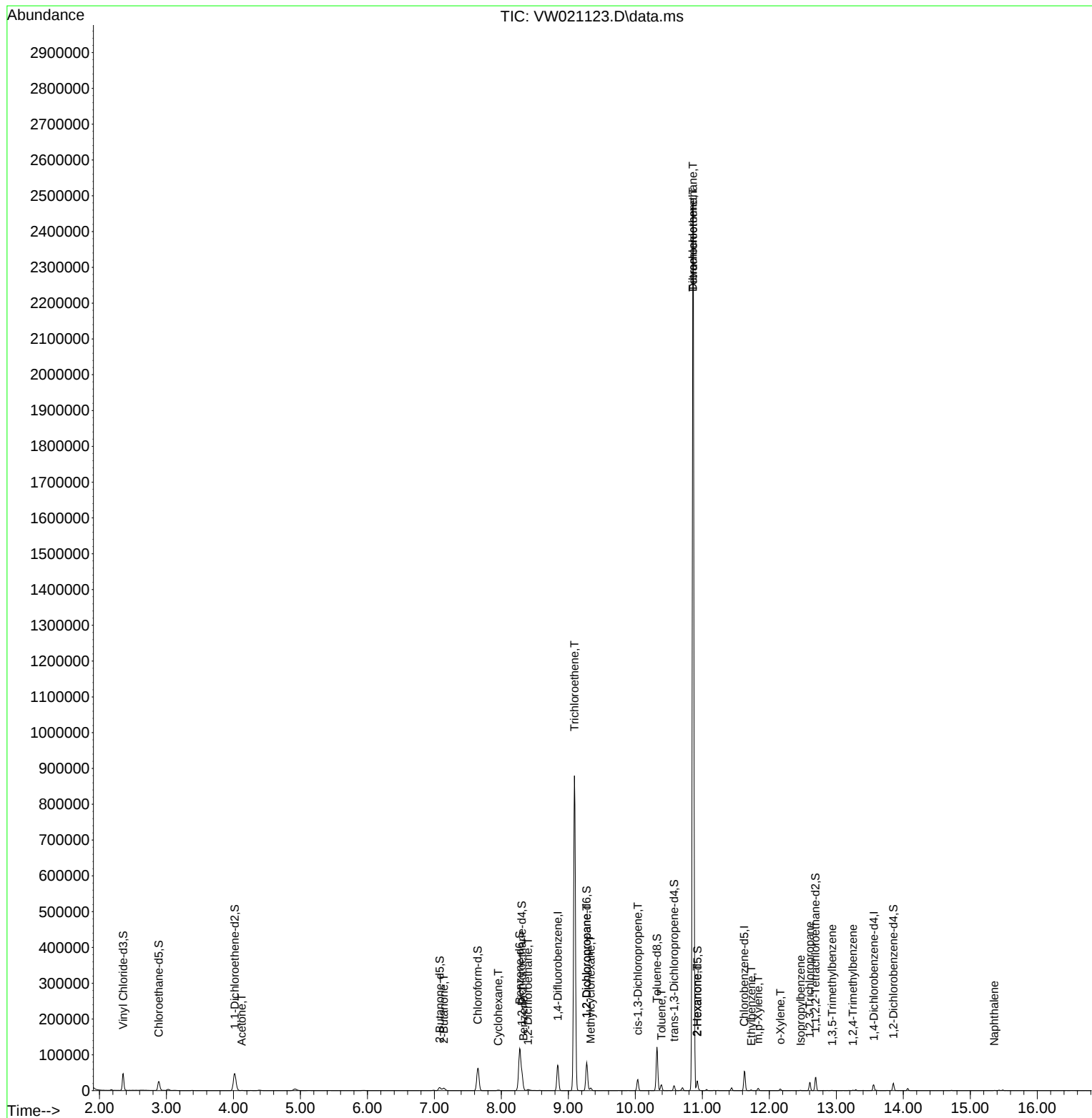
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	1083	2.020	ug/L	92
71) Naphthalene	15.359	128	929	2.761	ug/L #	89

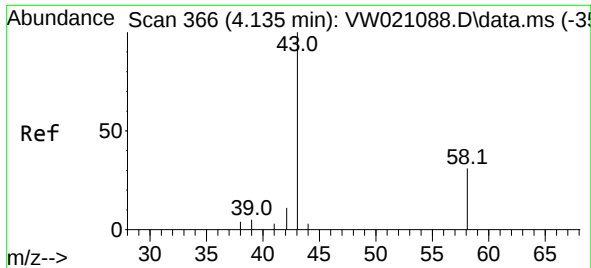
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration





#13

Acetone

Concen: 7.014 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.012 min

Lab File: VW021123.D

Acq: 04 Dec 2021 17:15

Instrument :

MSVOA_W

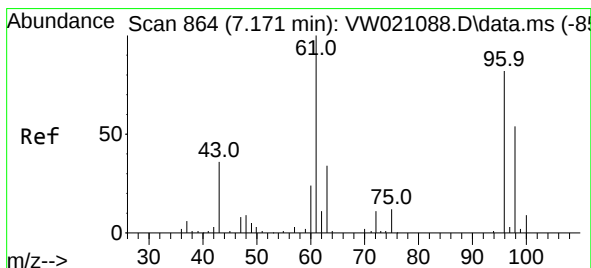
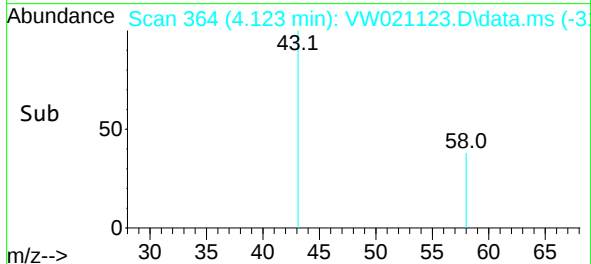
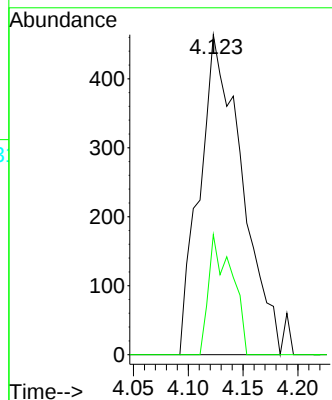
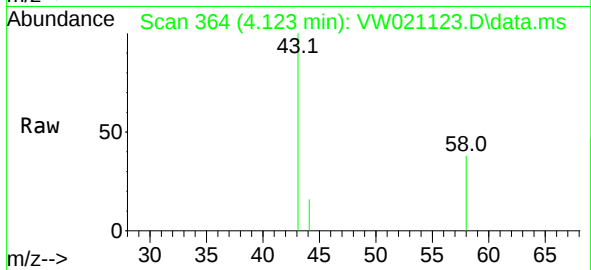
ClientSampleId :

Tgt Ion: 43 Resp: 1246

Ion Ratio Lower Upper

43 100

58 10.6 0.0 52.8



#22

2-Butanone

Concen: 3.698 ug/L

RT: 7.141 min Scan# 859

Delta R.T. -0.031 min

Lab File: VW021123.D

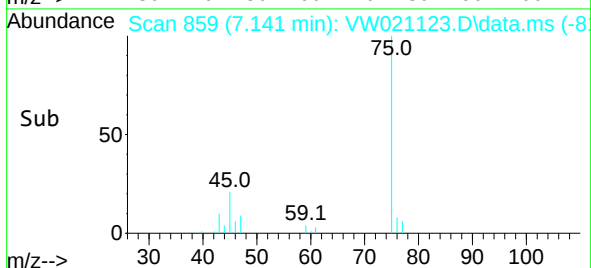
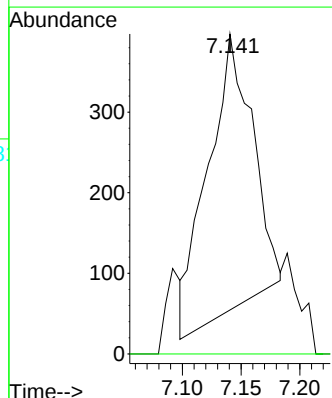
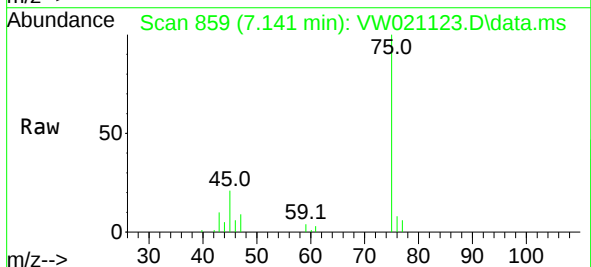
Acq: 04 Dec 2021 17:15

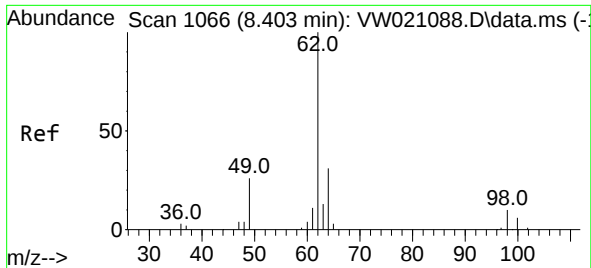
Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 2.411 ug/L

RT: 8.396 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW021123.D

Acq: 04 Dec 2021 17:15

Instrument :

MSVOA_W

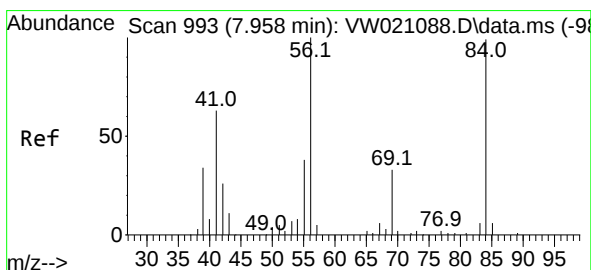
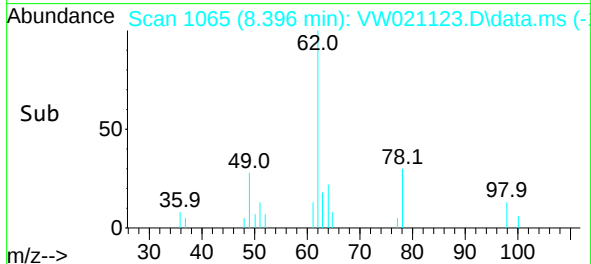
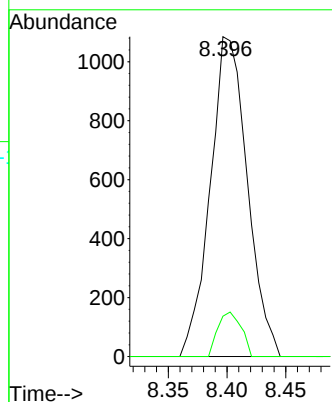
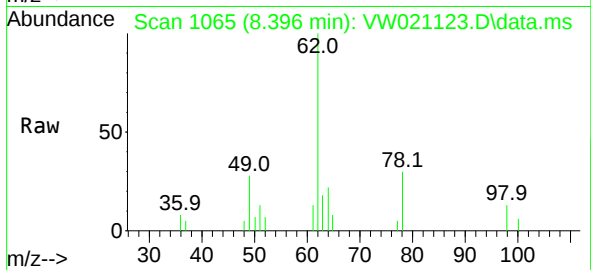
ClientSampleId :

Tgt Ion: 62 Resp: 2381

Ion Ratio Lower Upper

62 100

98 12.6 6.5 9.7#



#29

Cyclohexane

Concen: 1.298 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.006 min

Lab File: VW021123.D

Acq: 04 Dec 2021 17:15

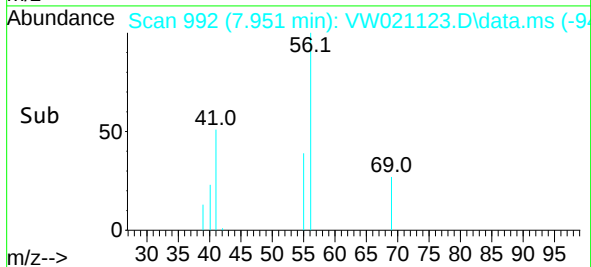
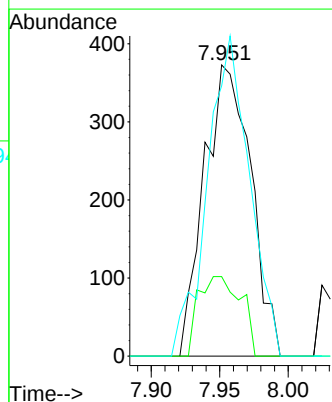
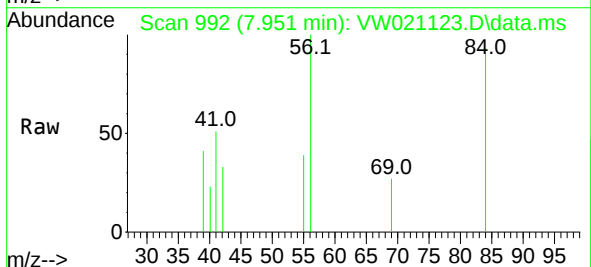
Tgt Ion: 56 Resp: 885

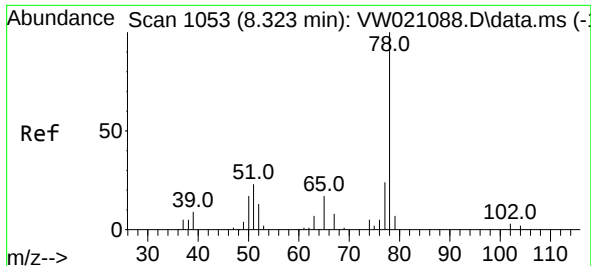
Ion Ratio Lower Upper

56 100

69 21.7 23.5 35.3#

84 90.6 63.4 95.2

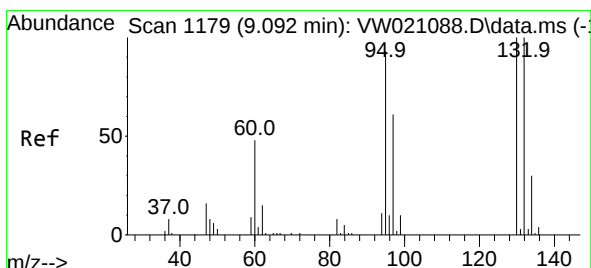
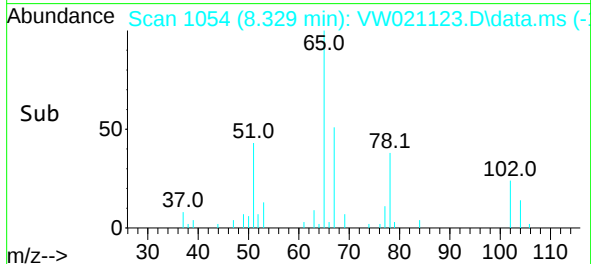
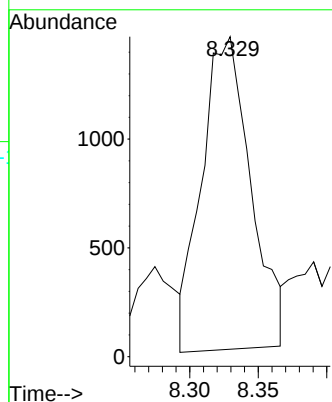
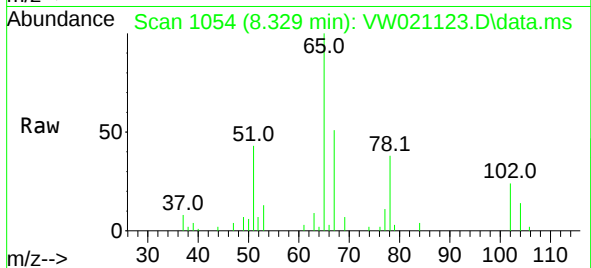




#33
Benzene
Concen: 2.042 ug/L
RT: 8.329 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15

Instrument :
MSVOA_W
ClientSampleId :

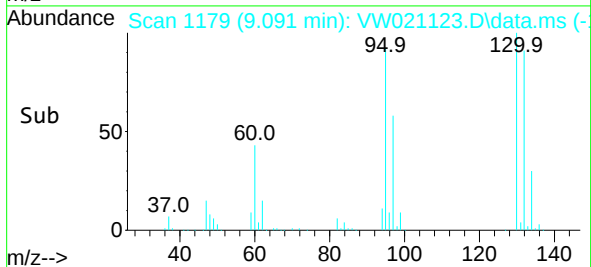
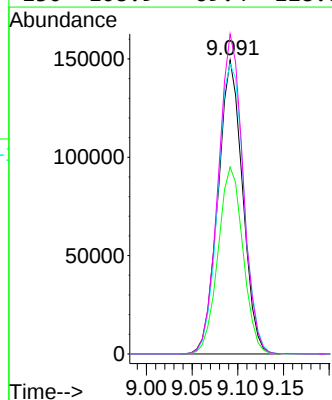
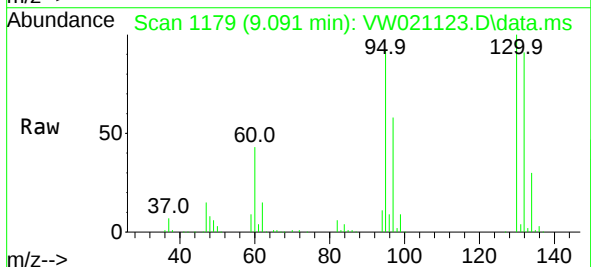
Tgt Ion: 78 Resp: 3588

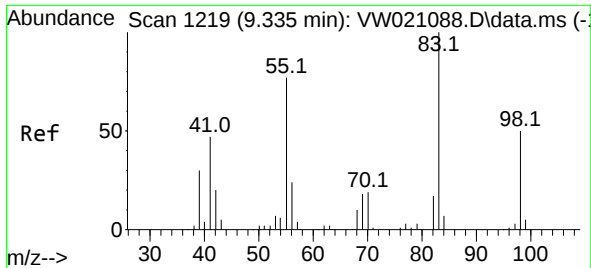


#34
Trichloroethene
Concen: 577.221 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15

Tgt Ion: 95 Resp: 279831

Ion	Ratio	Lower	Upper
95	100		
97	63.6	47.0	87.2
132	98.7	65.5	121.6
130	108.9	69.4	128.8





#35

Methylcyclohexane

Concen: 3.616 ug/L

RT: 9.335 min Scan# 11

Delta R.T. -0.000 min

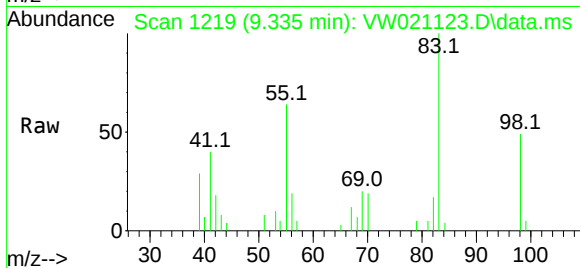
Lab File: VW021123.D

Acq: 04 Dec 2021 17:15

Instrument :

MSVOA_W

ClientSampleId :



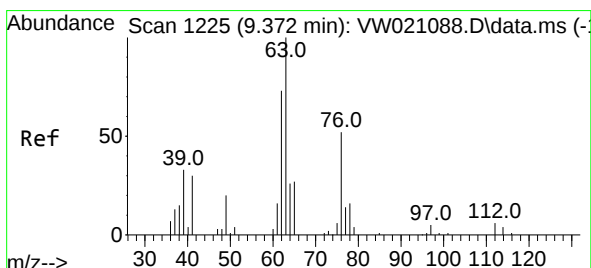
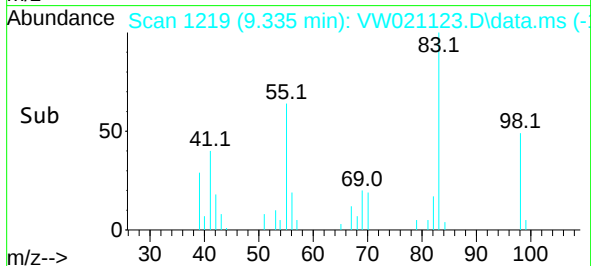
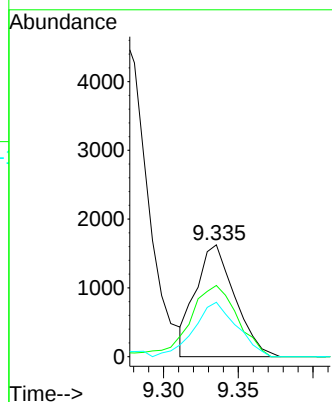
Tgt Ion: 83 Resp: 2951

Ion Ratio Lower Upper

83 100

55 77.6 70.8 106.2

98 53.3 37.7 56.5



#37

1,2-Dichloropropane

Concen: 10.671 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.098 min

Lab File: VW021123.D

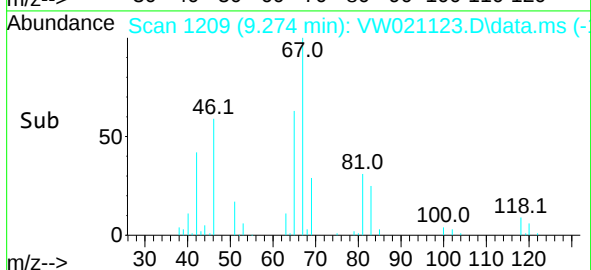
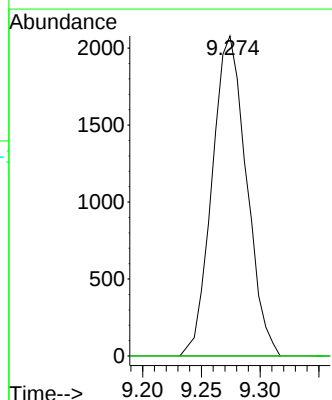
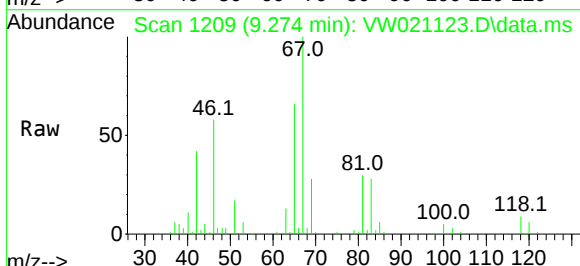
Acq: 04 Dec 2021 17:15

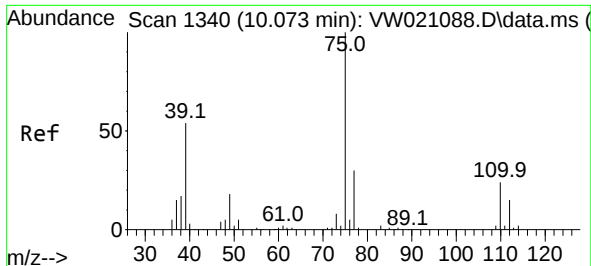
Tgt Ion: 63 Resp: 4238

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.476 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021123.D

Acq: 04 Dec 2021 17:15

Instrument :

MSVOA_W

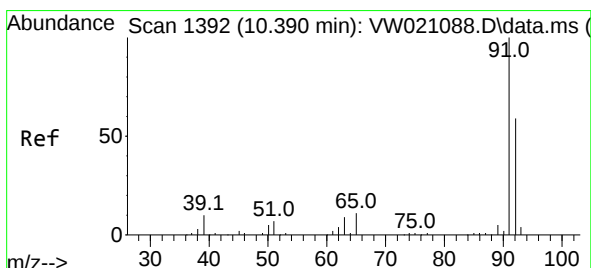
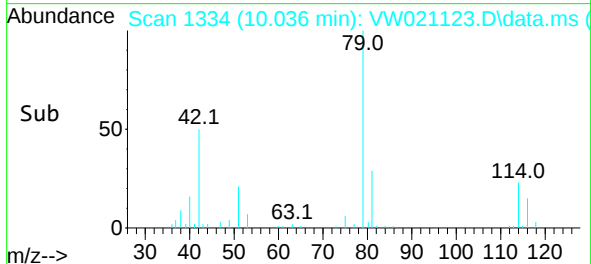
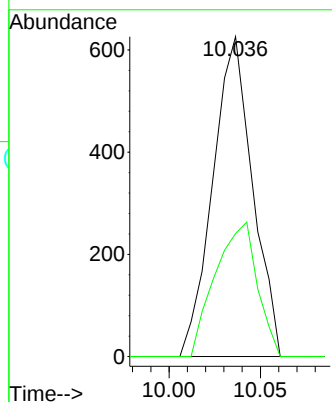
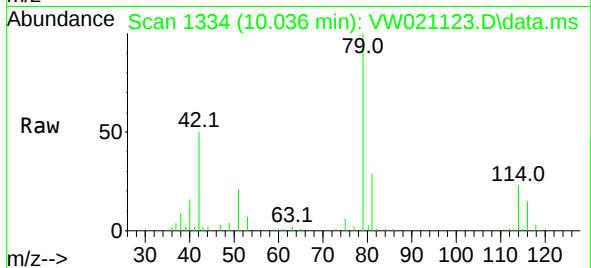
ClientSampleId :

Tgt Ion: 75 Resp: 948

Ion Ratio Lower Upper

75 100

77 38.5 21.8 40.6



#42

Toluene

Concen: 6.094 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021123.D

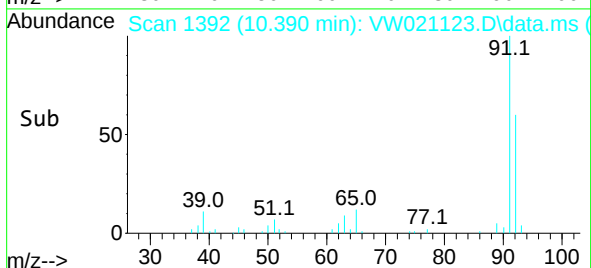
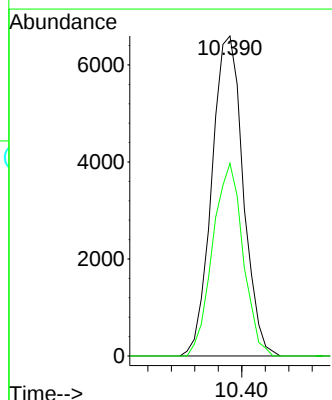
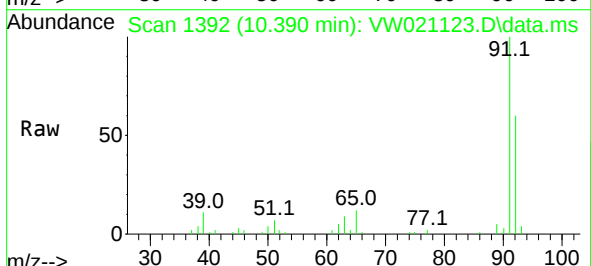
Acq: 04 Dec 2021 17:15

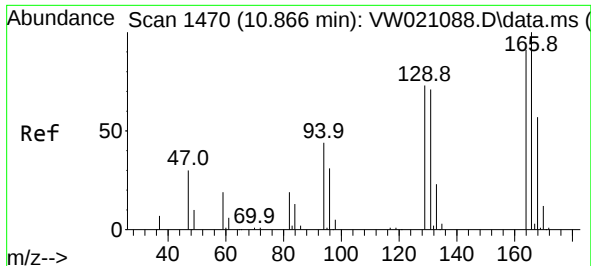
Tgt Ion: 91 Resp: 12232

Ion Ratio Lower Upper

91 100

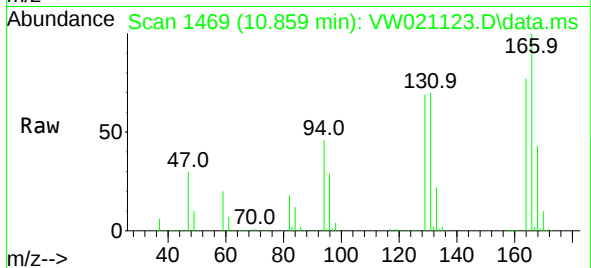
92 60.2 41.7 77.5



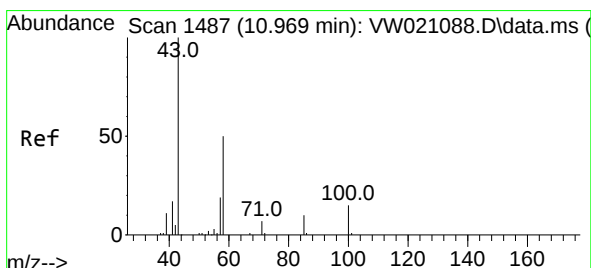
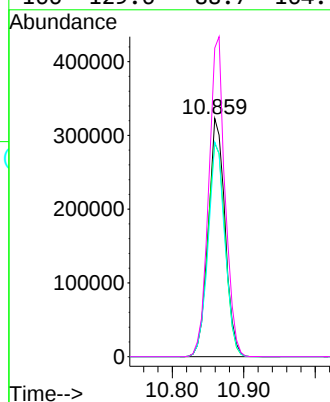
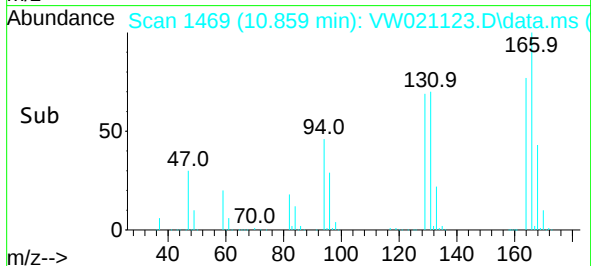


#46
Tetrachloroethene
Concen: 1184.676 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15

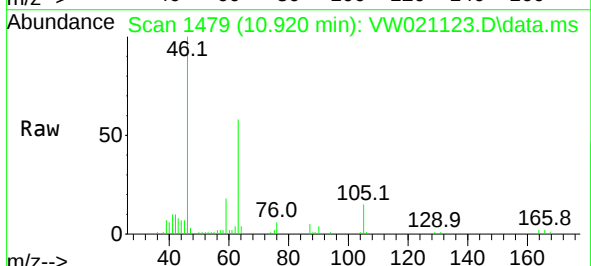
Instrument :
MSVOA_W
ClientSampleId :



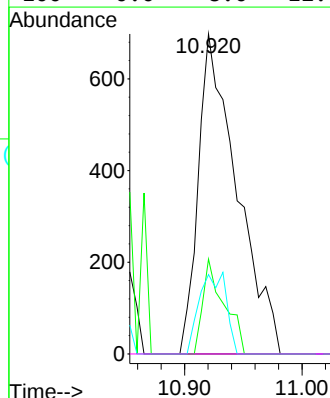
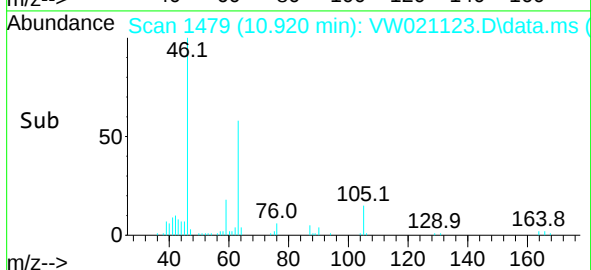
Tgt Ion:164 Resp: 525901
Ion Ratio Lower Upper
164 100
129 89.6 65.5 121.7
131 90.1 59.7 110.9
166 129.6 88.7 164.7

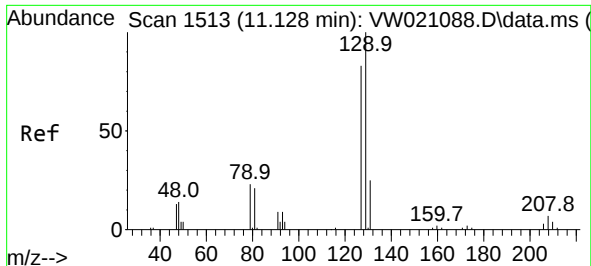


#48
2-Hexanone
Concen: 8.182 ug/L
RT: 10.920 min Scan# 1479
Delta R.T. -0.049 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15



Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 16.4 40.2 60.2#
57 12.1 14.3 21.5#
100 0.0 8.0 12.0#





#49

Dibromochloromethane

Concen: 1108.469 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.268 min

Lab File: VW021123.D

Acq: 04 Dec 2021 17:15

Instrument :

MSVOA_W

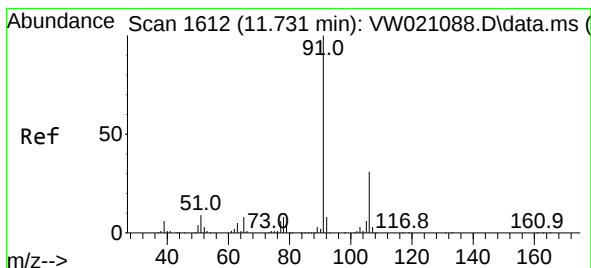
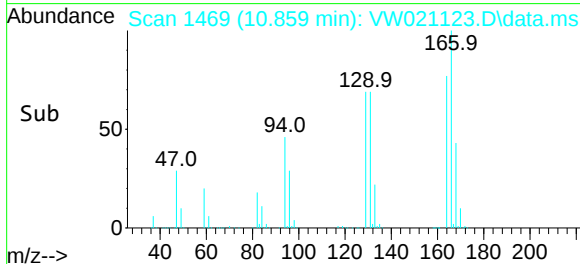
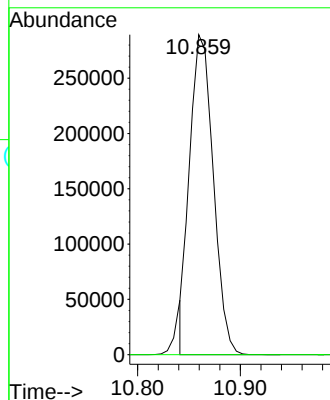
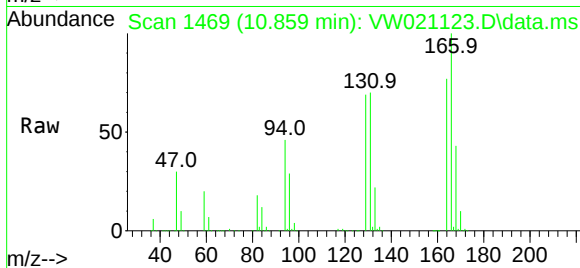
ClientSampleId :

Tgt Ion:129 Resp: 461305

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 0.659 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW021123.D

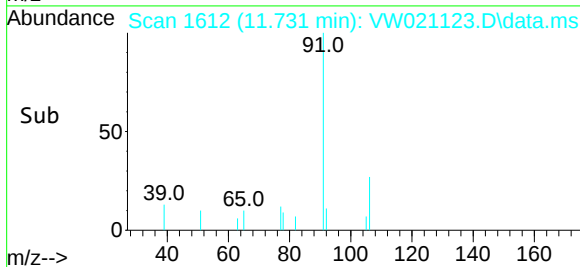
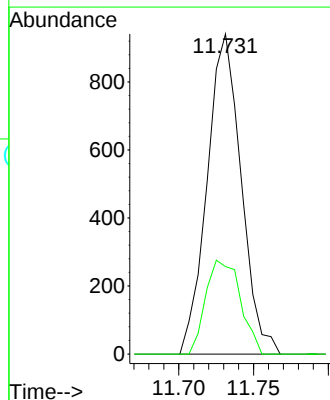
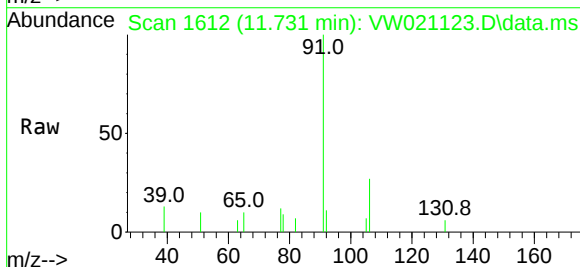
Acq: 04 Dec 2021 17:15

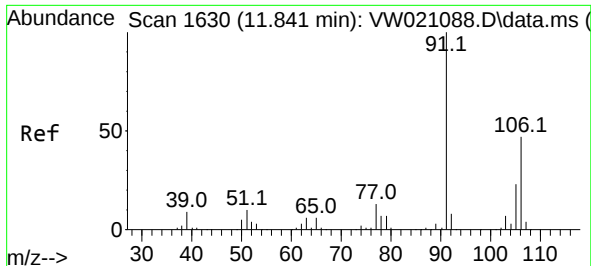
Tgt Ion: 91 Resp: 1488

Ion Ratio Lower Upper

91 100

106 27.3 21.5 39.9

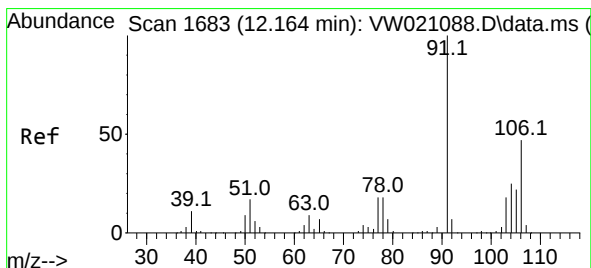
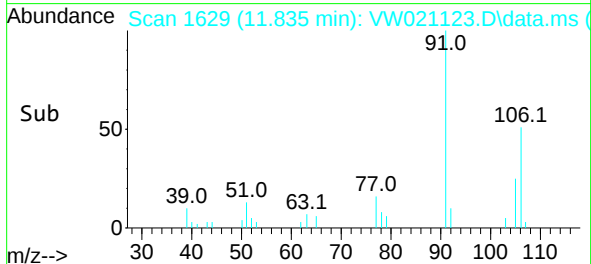
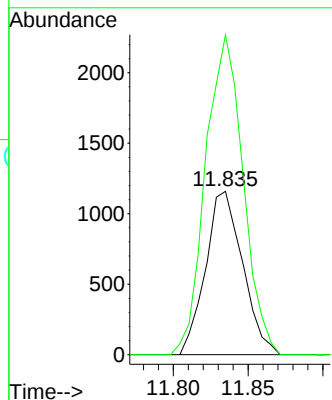
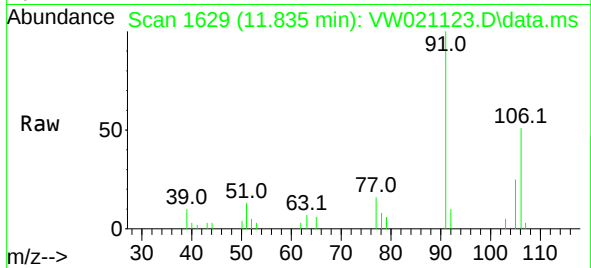




#53
m,p-Xylene
Concen: 2.140 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15

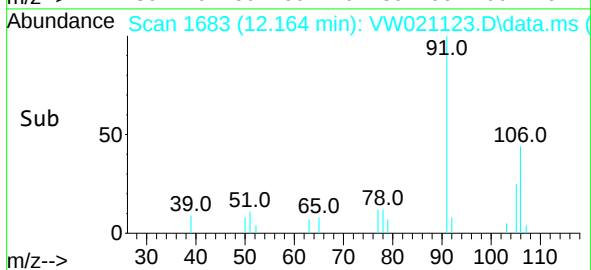
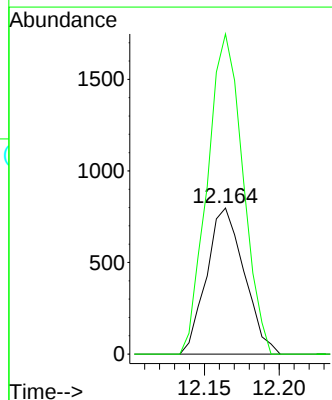
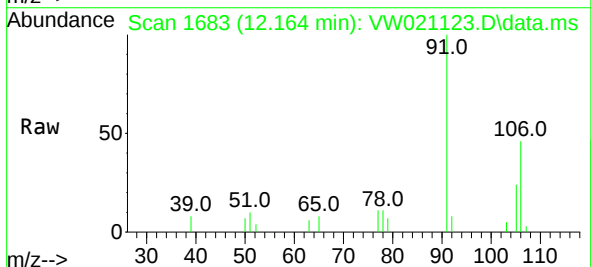
Instrument :
MSVOA_W
ClientSampleId :

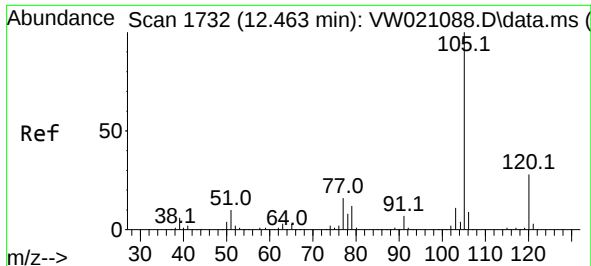
Tgt Ion:106 Resp: 2000
Ion Ratio Lower Upper
106 100
91 195.9 149.9 278.3



#54
o-Xylene
Concen: 1.584 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15

Tgt Ion:106 Resp: 1396
Ion Ratio Lower Upper
106 100
91 219.3 153.6 285.3

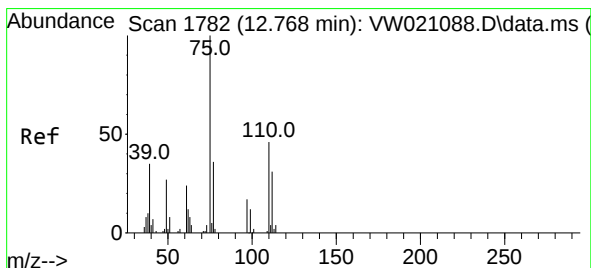
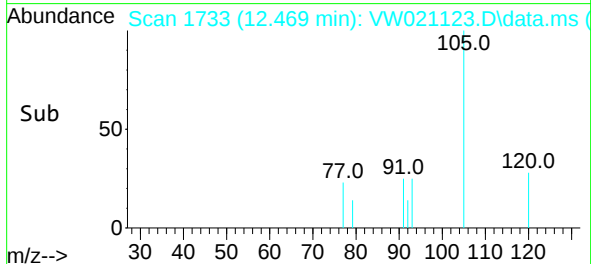
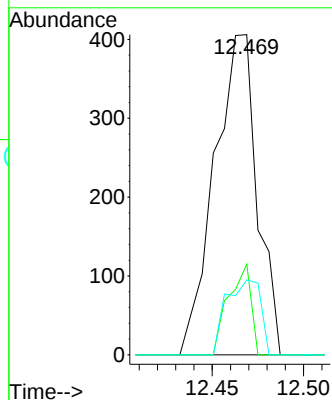
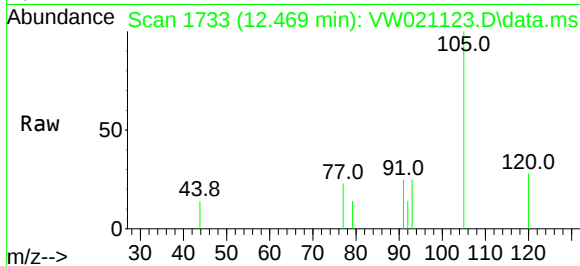




#60
Isopropylbenzene
Concen: 1.034 ug/L
RT: 12.469 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15

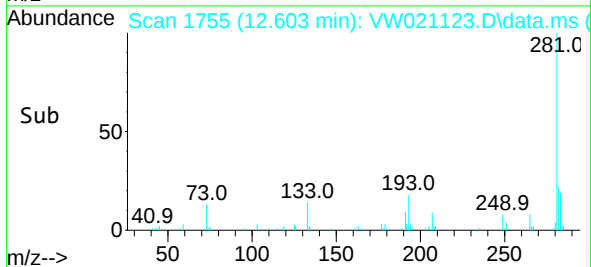
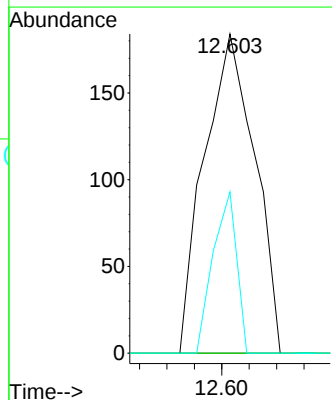
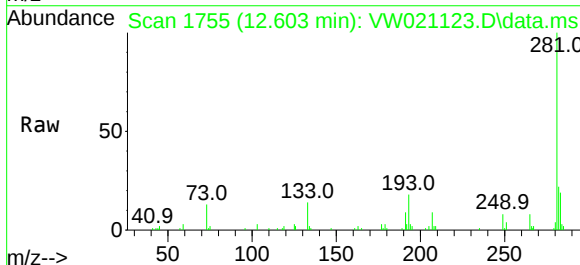
Instrument :
MSVOA_W
ClientSampleId :

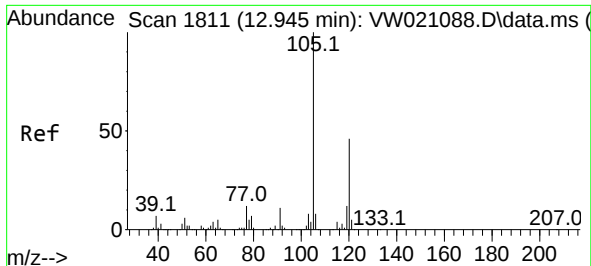
Tgt Ion:105 Resp: 658
Ion Ratio Lower Upper
105 100
120 14.9 20.1 30.1#
77 18.8 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 3.063 ug/L
RT: 12.603 min Scan# 1755
Delta R.T. -0.165 min
Lab File: VW021123.D
Acq: 04 Dec 2021 17:15

Tgt Ion: 75 Resp: 235
Ion Ratio Lower Upper
75 100
77 52.8 25.8 38.8#
110 23.8 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.820 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW021123.D

Acq: 04 Dec 2021 17:15

Instrument :

MSVOA_W

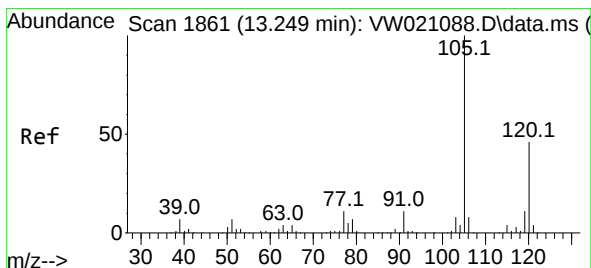
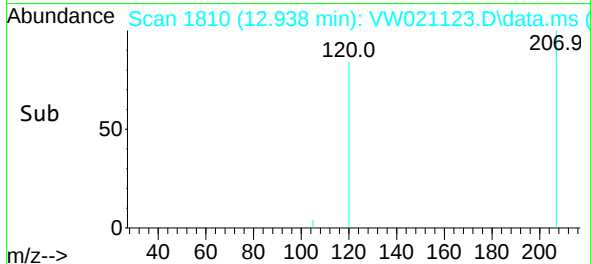
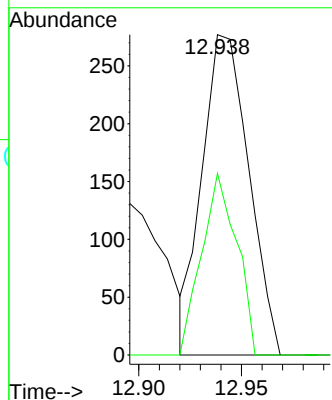
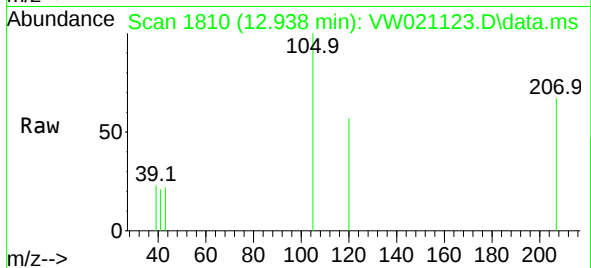
ClientSampleId :

Tgt Ion:105 Resp: 437

Ion Ratio Lower Upper

105 100

120 42.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 2.020 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021123.D

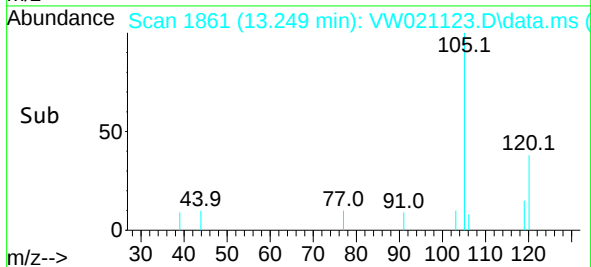
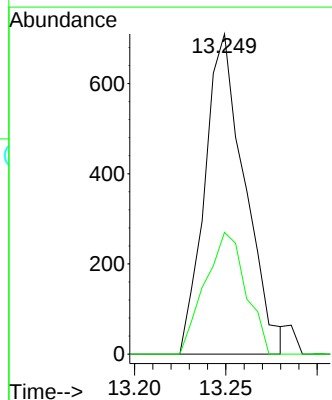
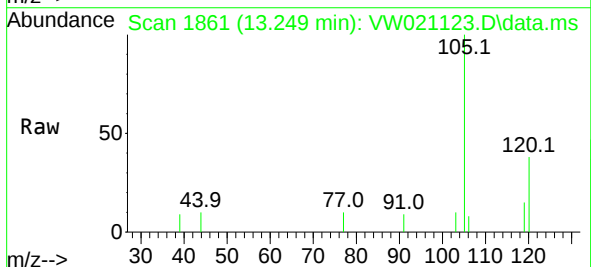
Acq: 04 Dec 2021 17:15

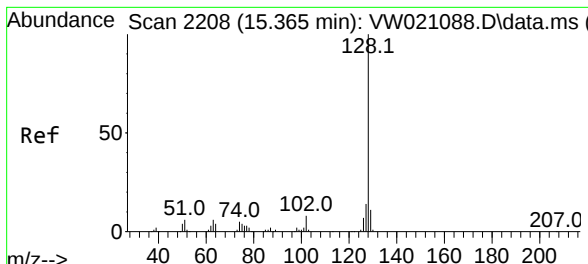
Tgt Ion:105 Resp: 1083

Ion Ratio Lower Upper

105 100

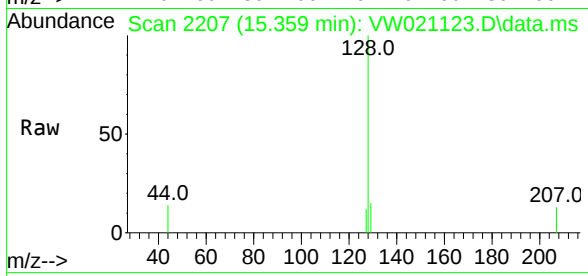
120 38.7 35.0 52.6





#71
 Naphthalene
 Concen: 2.761 ug/L
 RT: 15.359 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW021123.D
 Acq: 04 Dec 2021 17:15

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	128	Resp:	929
Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.7	16.1#
129	7.8	8.6	12.8#

