

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021081.D
 Acq On : 03 Dec 2021 22:04
 Operator : SY/VA
 Sample : M4883-03
 Misc : 3.95g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 01:42:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 01:31:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	45928	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	16552	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2570	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	15526	24.263	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.040%
7) Chloroethane-d5	2.885	69	12511	29.207	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.840%
11) 1,1-Dichloroethene-d2	4.019	63	16967	16.598	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.400%
21) 2-Butanone-d5	7.086	46	10974	75.186	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	150.380%#
24) Chloroform-d	7.653	84	37228	32.366	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	129.480%
26) 1,2-Dichloroethane-d4	8.305	65	16643	26.449	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	8.275	84	54243	64.093	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	256.360%#
36) 1,2-Dichloropropane-d6	9.274	67	20075	85.356	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	341.440%#
41) Toluene-d8	10.323	98	28026	32.296	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	129.200%
43) trans-1,3-Dichloroprop...	10.579	79	2041	19.112	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.440%
47) 2-Hexanone-d5	10.927	63	5103	113.405	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	226.820%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	12953	59.531	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	238.120%#
66) 1,2-Dichlorobenzene-d4	13.853	152	3044	33.057	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	132.240%#
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	1607	12.087	ug/L	97
22) 2-Butanone	7.141	43	3881	21.093	ug/L #	52
27) 1,2-Dichloroethane	8.403	62	688	0.931	ug/L #	77
29) Cyclohexane	7.952	56	368	1.008	ug/L #	75
34) Trichloroethene	9.092	95	96539	371.767	ug/L	90
35) Methylcyclohexane	9.335	83	891	2.038	ug/L	86
37) 1,2-Dichloropropane	9.281	63	2638	12.400	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	300	0.872	ug/L #	71
40) 4-Methyl-2-pentanone	10.213	43	302	2.084	ug/L #	84
42) Toluene	10.390	91	2338	2.175	ug/L	95
45) 1,1,2-Trichloroethane	10.689	97	92	0.516	ug/L #	14
46) Tetrachloroethene	10.866	164	1912	8.041	ug/L	74
48) 2-Hexanone	10.920	43	1202	11.497	ug/L #	63
49) Dibromochloromethane	10.860	129	1496	6.711	ug/L #	10
53) m,p-Xylene	11.835	106	525	1.049	ug/L	93
54) o-Xylene	12.170	106	398	0.843	ug/L	79
61) 1,2,3-Trichloropropane	12.932	75	93	2.160	ug/L #	40
62) 1,3,5-Trimethylbenzene	12.938	105	188	0.629	ug/L #	30
63) 1,2,4-Trimethylbenzene	13.249	105	617	2.051	ug/L	87

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Quant Time: Dec 04 01:42:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 04 01:31:24 2021
Response via : Initial Calibration

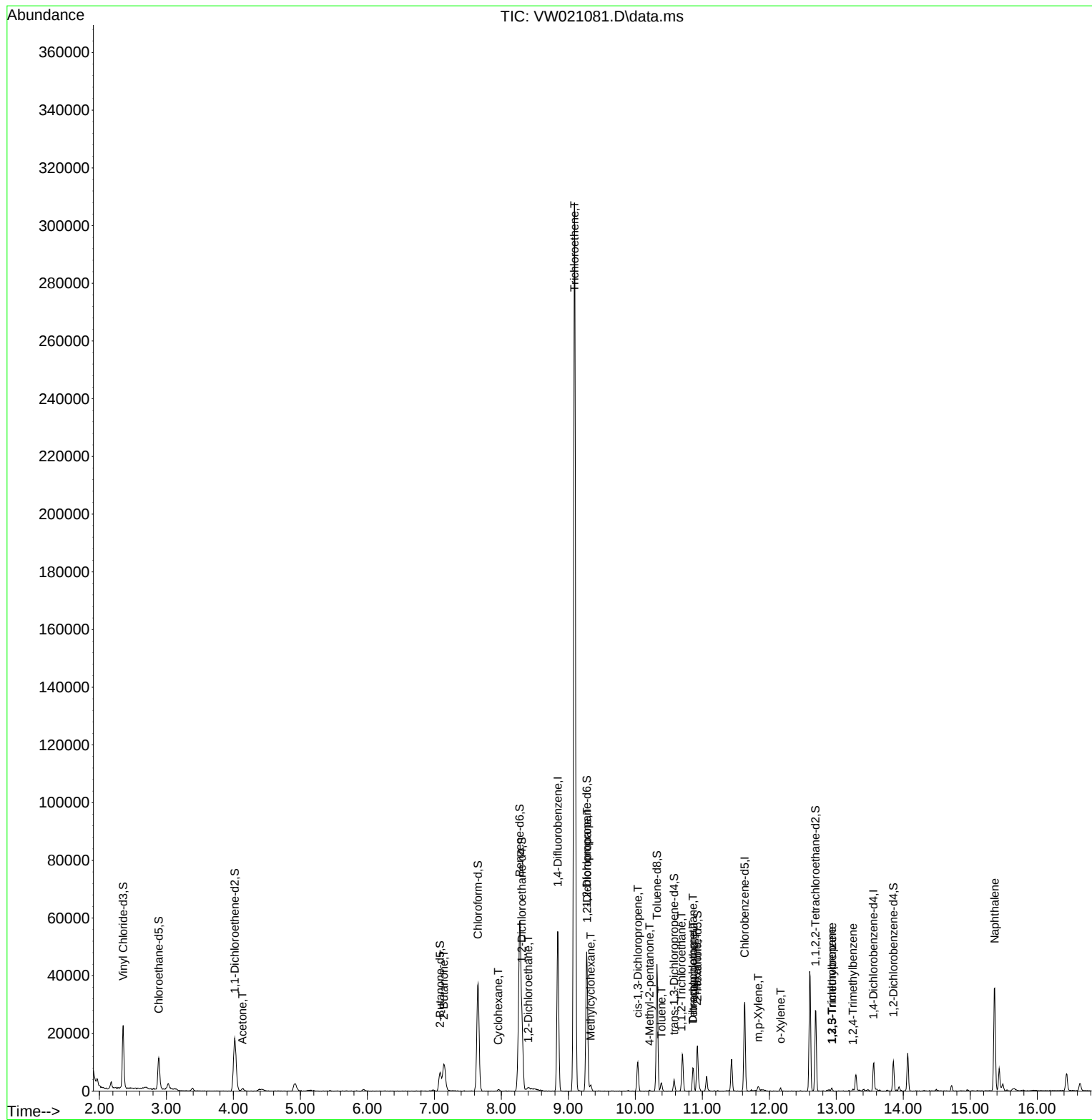
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	30870	163.500	ug/L	99

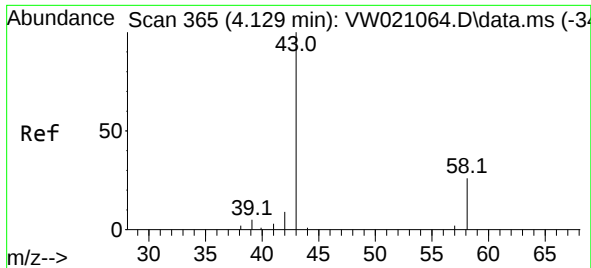
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 12.087 ug/L

RT: 4.135 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

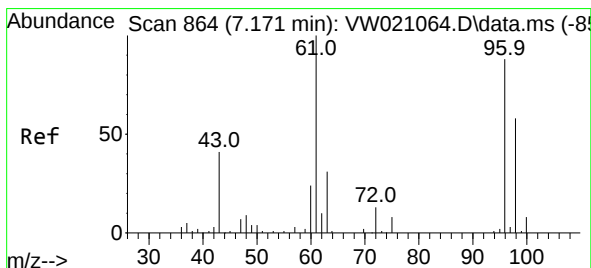
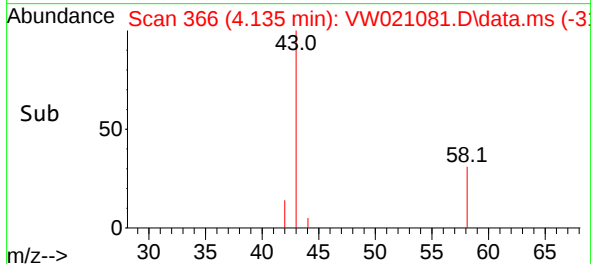
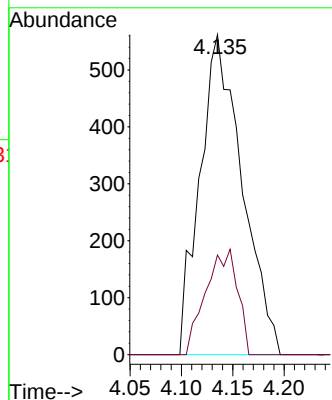
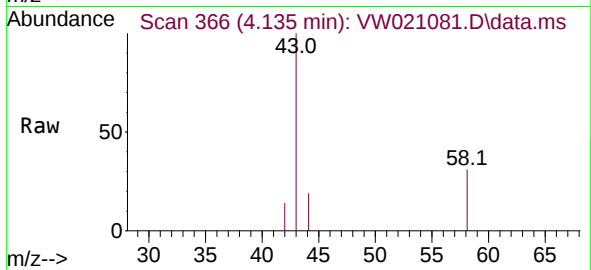
ClientSampleId :

Tgt Ion: 43 Resp: 1607

Ion Ratio Lower Upper

43 100

58 24.8 0.0 52.8



#22

2-Butanone

Concen: 21.093 ug/L

RT: 7.141 min Scan# 859

Delta R.T. -0.030 min

Lab File: VW021081.D

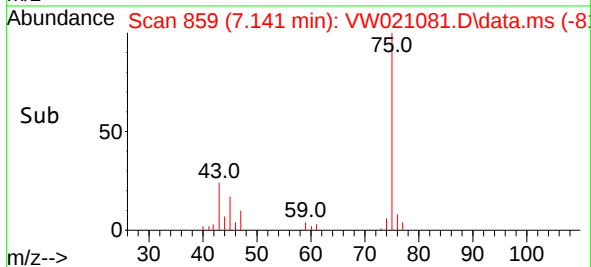
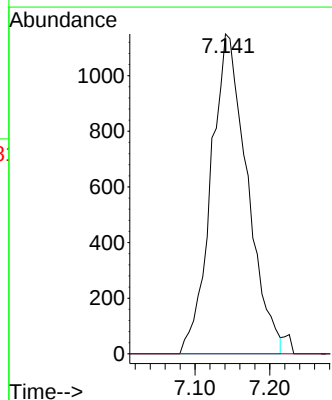
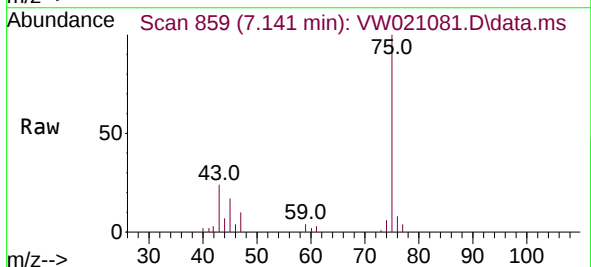
Acq: 03 Dec 2021 22:04

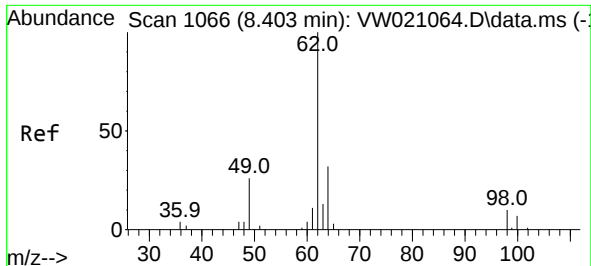
Tgt Ion: 43 Resp: 3881

Ion Ratio Lower Upper

43 100

72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 0.931 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

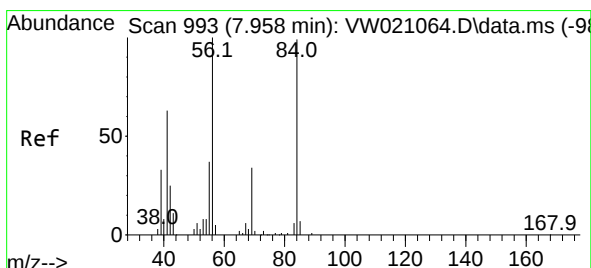
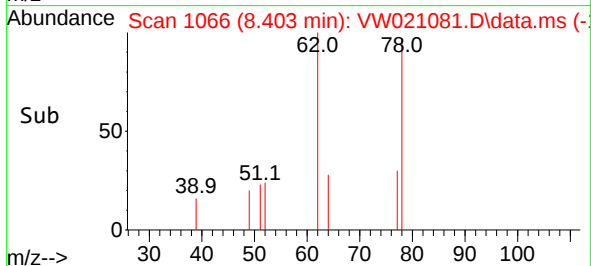
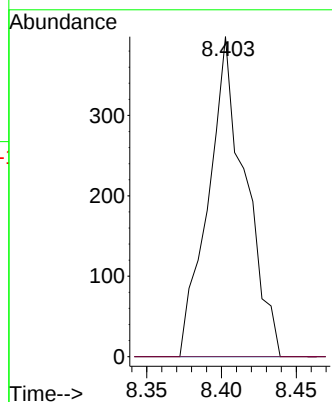
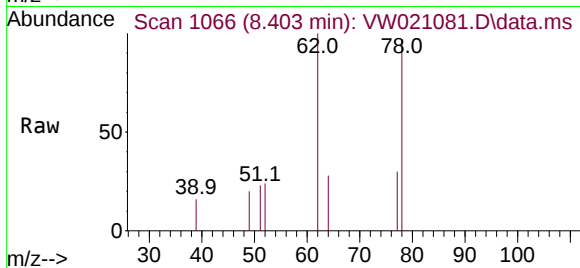
ClientSampleId :

Tgt Ion: 62 Resp: 688

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#29

Cyclohexane

Concen: 1.008 ug/L

RT: 7.952 min Scan# 992

Delta R.T. -0.006 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

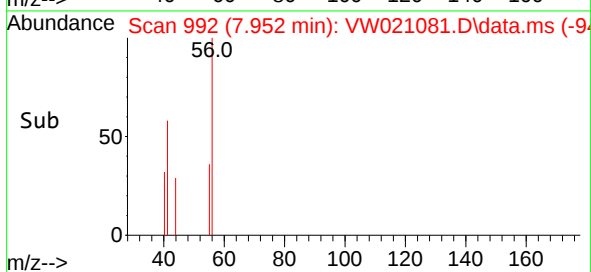
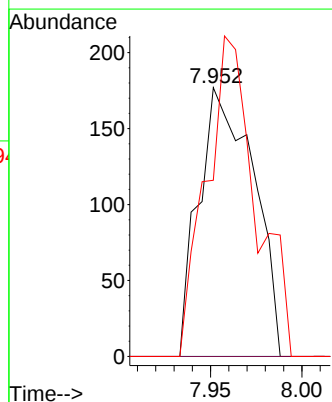
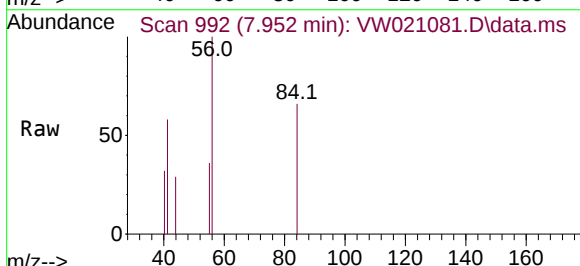
Tgt Ion: 56 Resp: 368

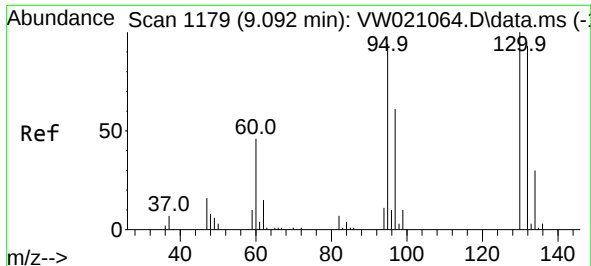
Ion Ratio Lower Upper

56 100

69 0.0 23.5 35.3#

84 91.8 63.4 95.2





#34

Trichloroethene

Concen: 371.767 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

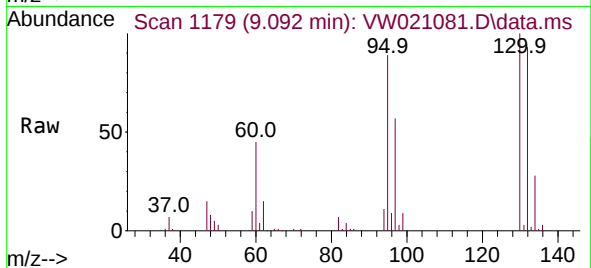
Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 96539

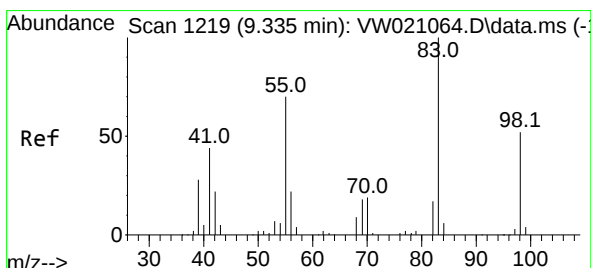
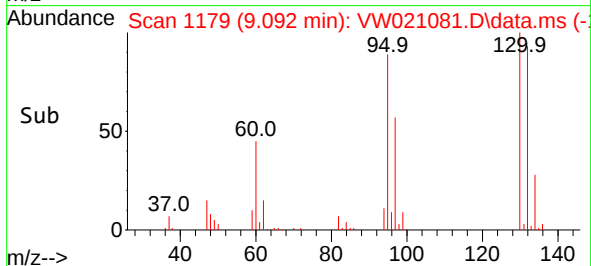
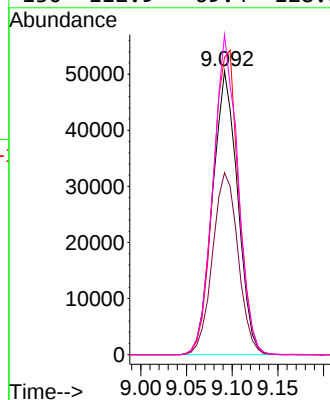
Ion Ratio Lower Upper

95 100

97 64.2 47.0 87.2

132 104.9 65.5 121.6

130 112.9 69.4 128.8



#35

Methylcyclohexane

Concen: 2.038 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

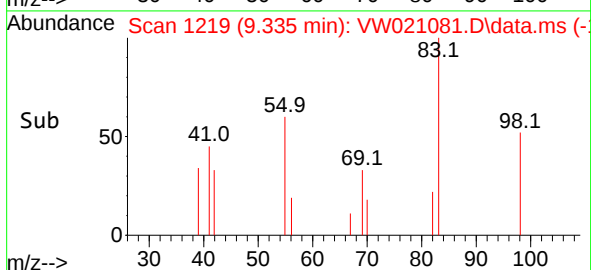
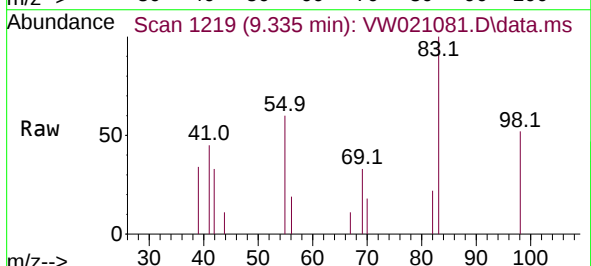
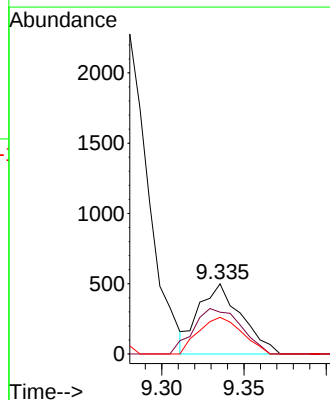
Tgt Ion: 83 Resp: 891

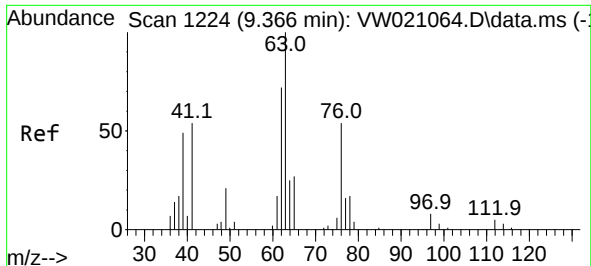
Ion Ratio Lower Upper

83 100

55 73.1 70.8 106.2

98 53.8 37.7 56.5





#37

1,2-Dichloropropane

Concen: 12.400 ug/L

RT: 9.281 min Scan# 11

Delta R.T. -0.085 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

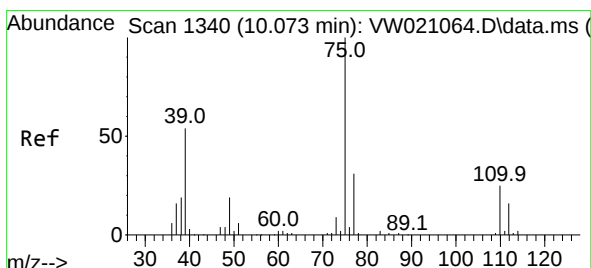
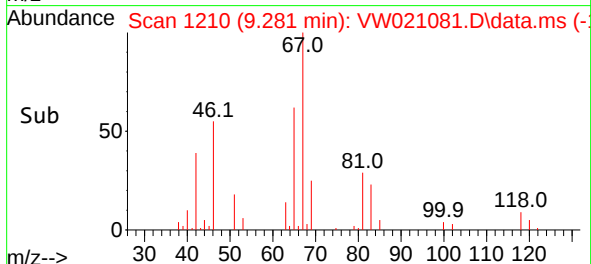
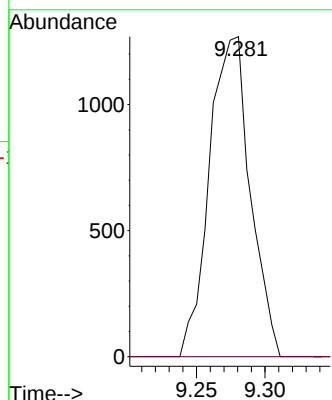
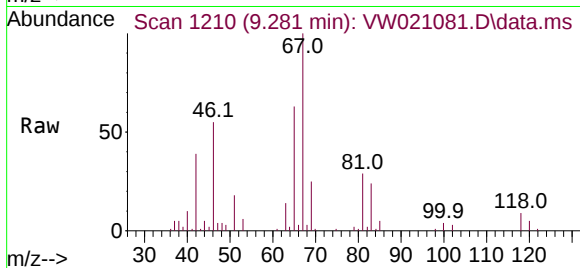
ClientSampleId :

Tgt Ion: 63 Resp: 2638

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.872 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021081.D

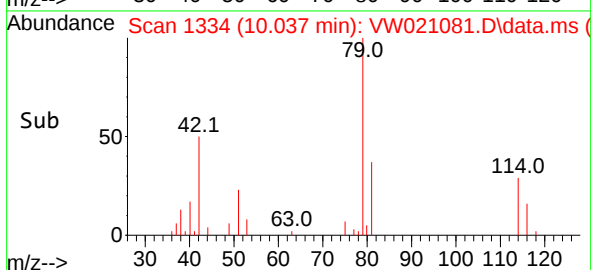
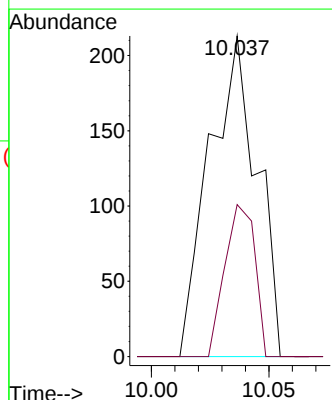
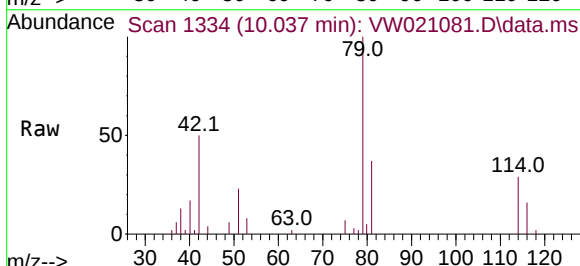
Acq: 03 Dec 2021 22:04

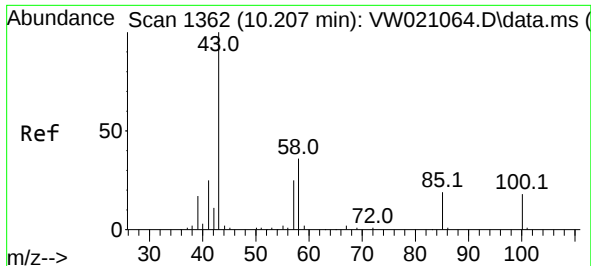
Tgt Ion: 75 Resp: 300

Ion Ratio Lower Upper

75 100

77 47.4 21.8 40.6#





#40

4-Methyl-2-pentanone

Concen: 2.084 ug/L

RT: 10.213 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

ClientSampleId :

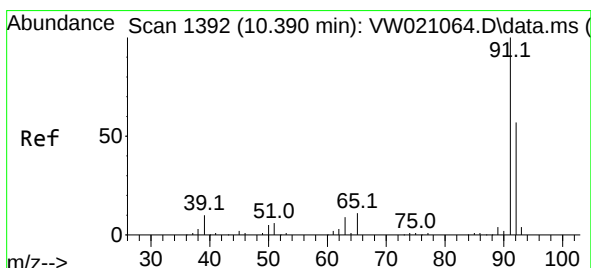
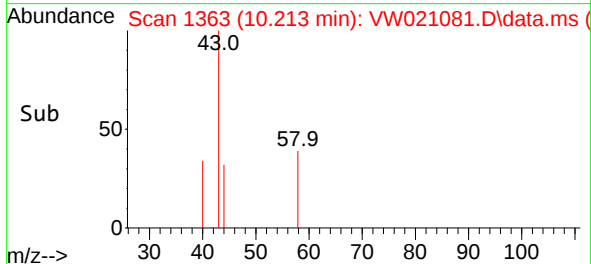
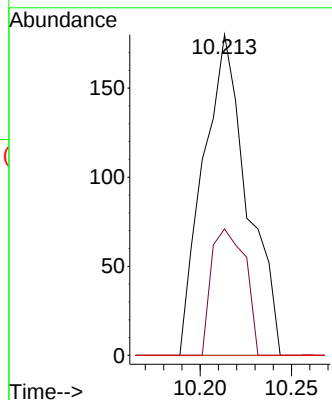
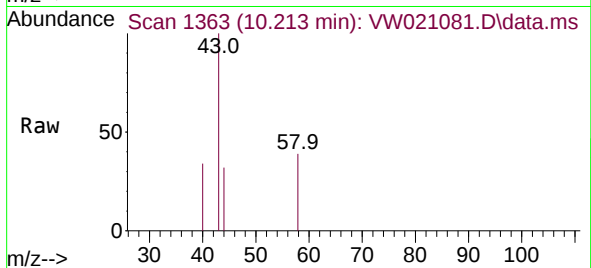
Tgt Ion: 43 Resp: 302

Ion Ratio Lower Upper

43 100

58 30.1 28.8 43.2

100 0.0 10.0 15.0#



#42

Toluene

Concen: 2.175 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021081.D

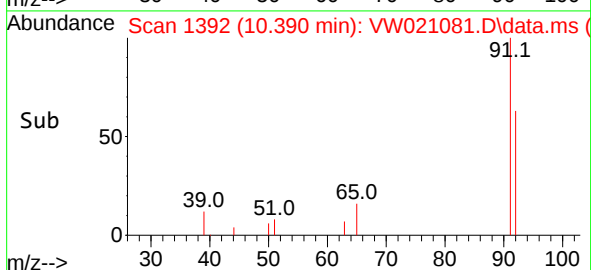
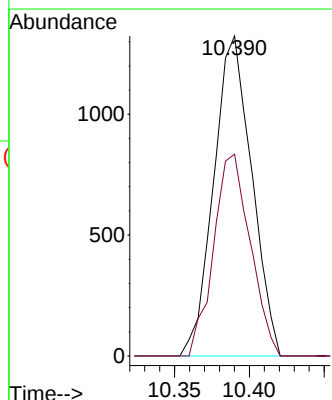
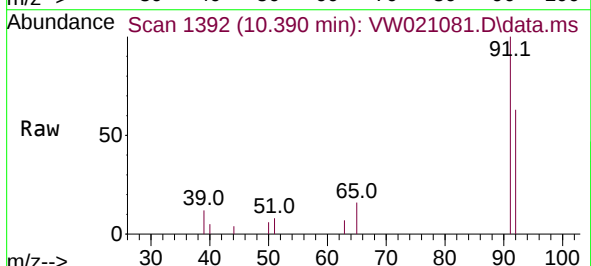
Acq: 03 Dec 2021 22:04

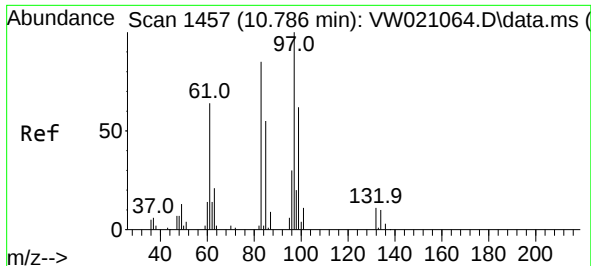
Tgt Ion: 91 Resp: 2338

Ion Ratio Lower Upper

91 100

92 63.1 41.7 77.5





#45

1,1,2-Trichloroethane

Concen: 0.516 ug/L

RT: 10.689 min Scan# 14

Delta R.T. -0.098 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 92

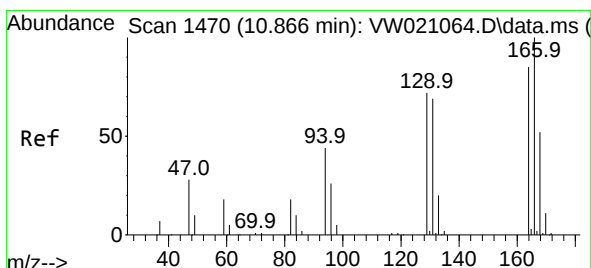
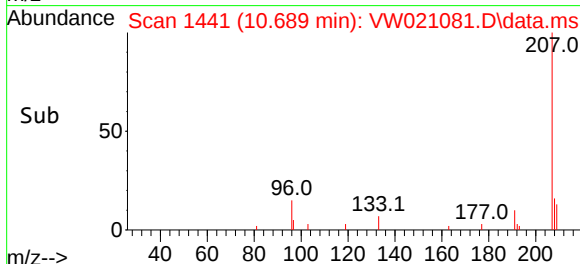
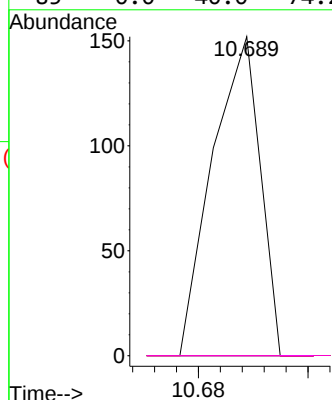
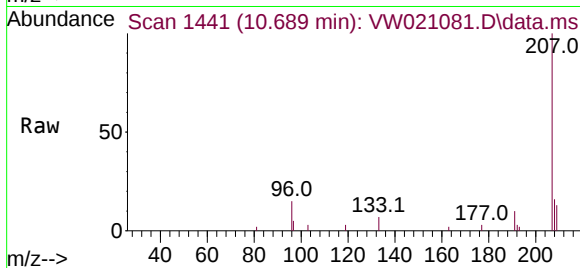
Ion Ratio Lower Upper

97 100

99 0.0 43.0 79.8#

83 0.0 62.6 116.3#

85 0.0 40.0 74.2#



#46

Tetrachloroethene

Concen: 8.041 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Tgt Ion:164 Resp: 1912

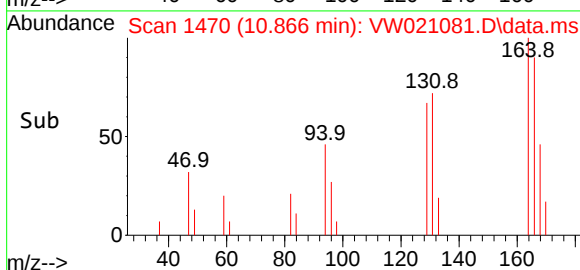
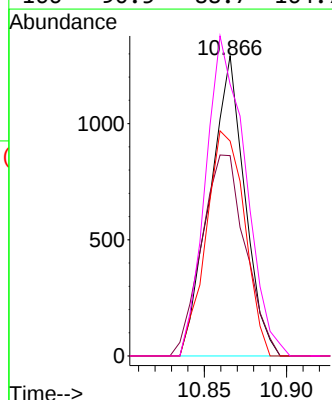
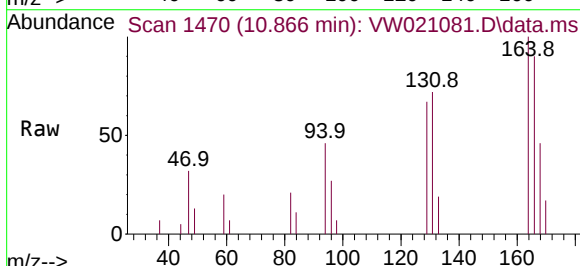
Ion Ratio Lower Upper

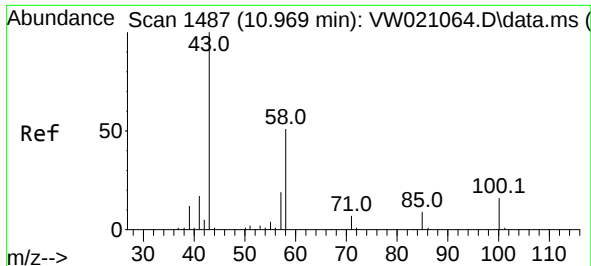
164 100

129 66.7 65.5 121.7

131 71.6 59.7 110.9

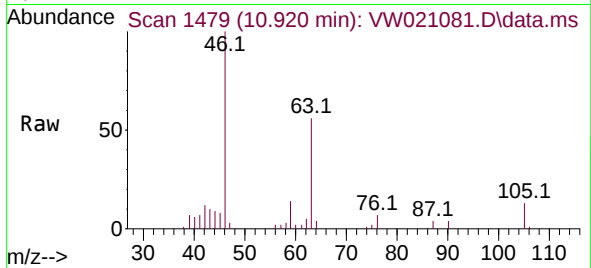
166 90.5 88.7 164.7



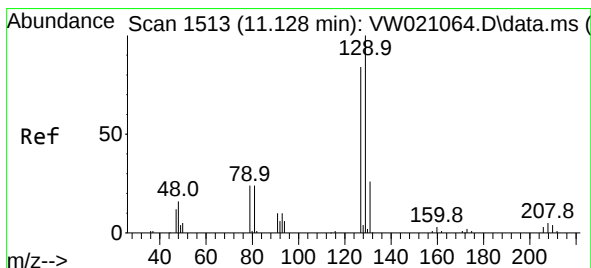
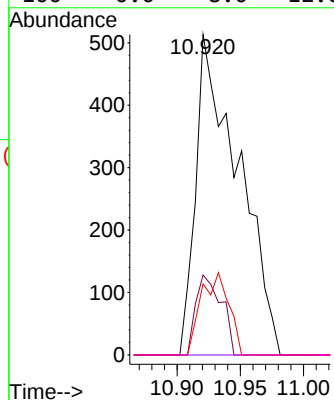
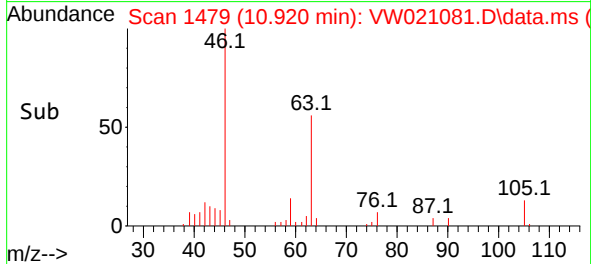


#48
2-Hexanone
Concen: 11.497 ug/L
RT: 10.920 min Scan# 1487
Delta R.T. -0.049 min
Lab File: VW021081.D
Acq: 03 Dec 2021 22:04

Instrument :
MSVOA_W
ClientSampleId :

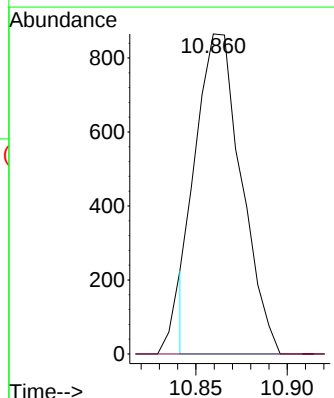
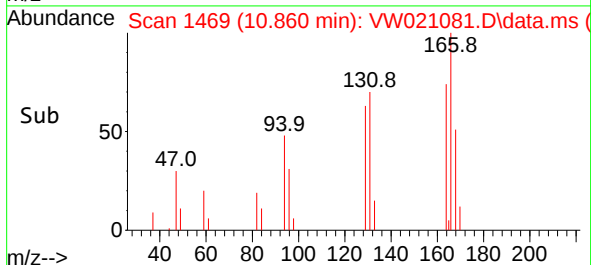
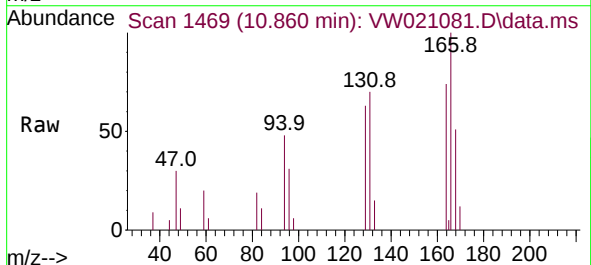


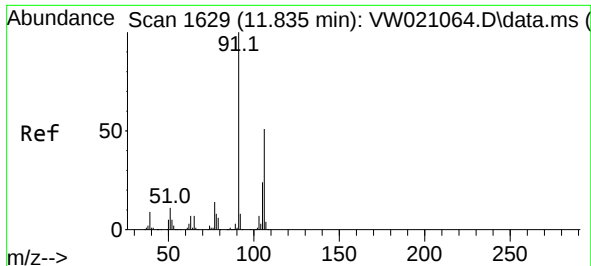
Tgt Ion: 43 Resp: 1202
Ion Ratio Lower Upper
43 100
58 15.0 40.2 60.2#
57 16.7 14.3 21.5
100 0.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 6.711 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021081.D
Acq: 03 Dec 2021 22:04

Tgt Ion: 129 Resp: 1496
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

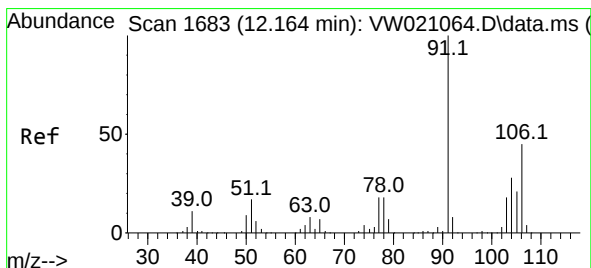
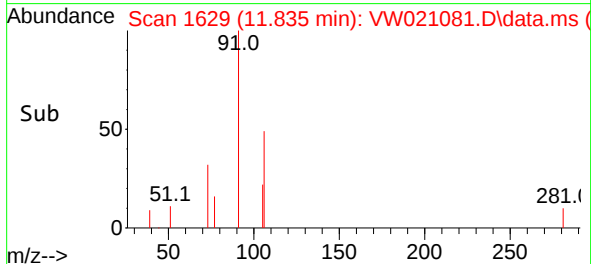
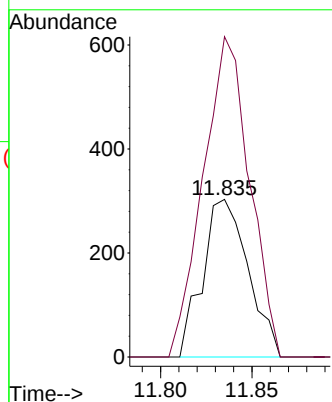
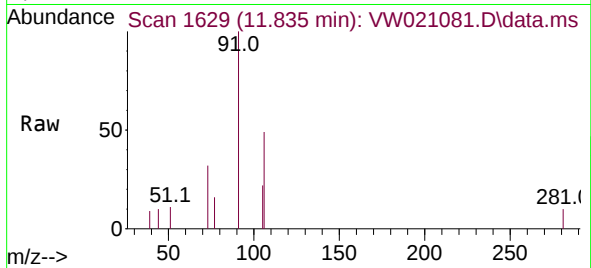




#53
m,p-Xylene
Concen: 1.049 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021081.D
Acq: 03 Dec 2021 22:04

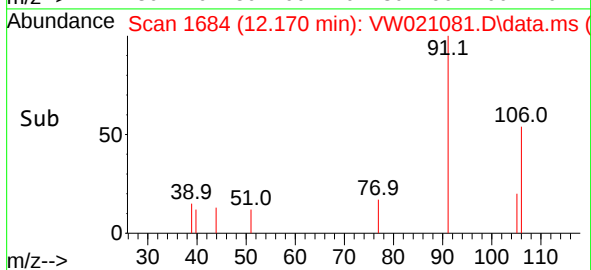
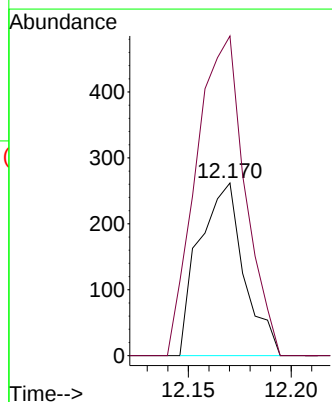
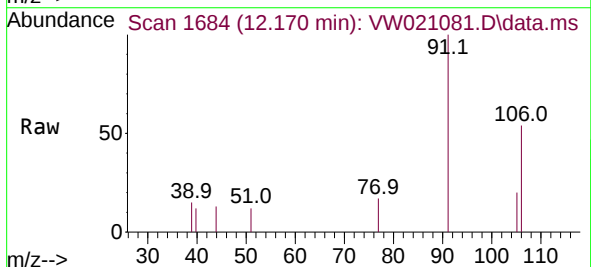
Instrument :
MSVOA_W
ClientSampleId :

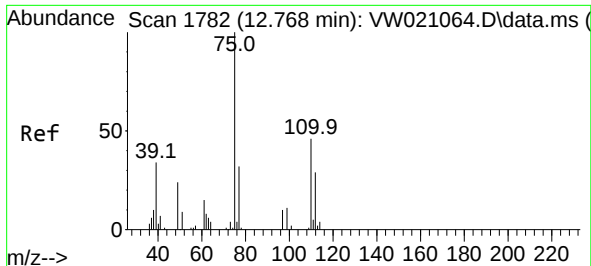
Tgt Ion:106 Resp: 525
Ion Ratio Lower Upper
106 100
91 203.3 149.9 278.3



#54
o-Xylene
Concen: 0.843 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW021081.D
Acq: 03 Dec 2021 22:04

Tgt Ion:106 Resp: 398
Ion Ratio Lower Upper
106 100
91 185.1 153.6 285.3





#61

1,2,3-Trichloropropane

Concen: 2.160 ug/L

RT: 12.932 min Scan# 1809

Delta R.T. 0.165 min

Lab File: VW021081.D

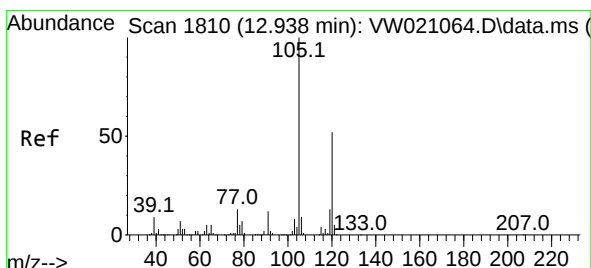
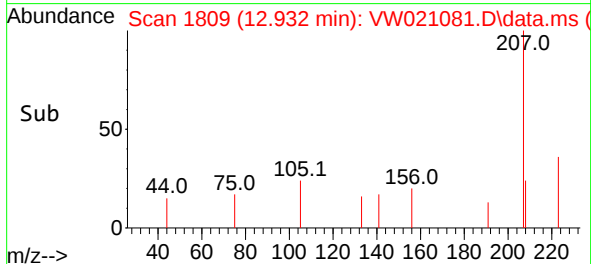
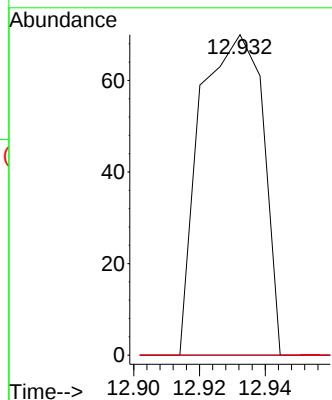
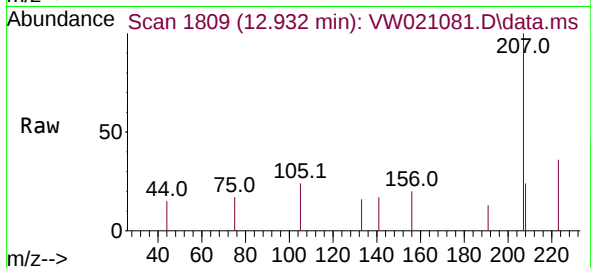
Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp:	93
Ion Ratio	Lower	Upper
75	100	
77	0.0	25.8 38.8#
110	0.0	29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.629 ug/L

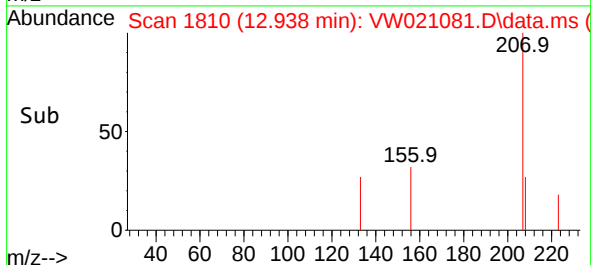
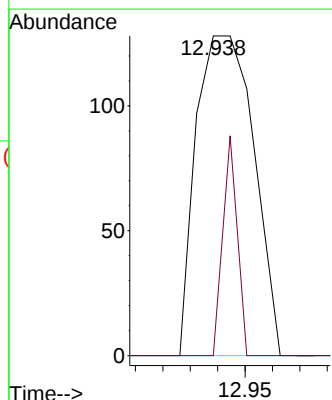
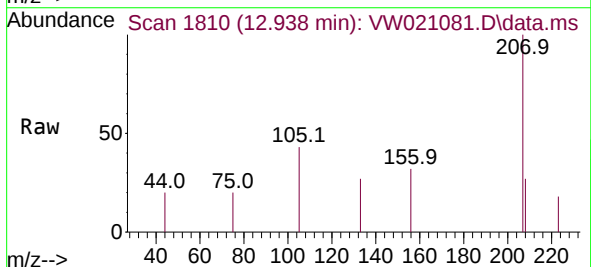
RT: 12.938 min Scan# 1810

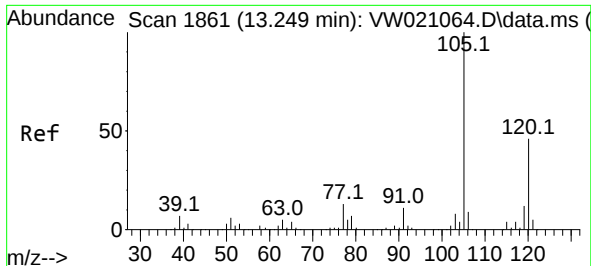
Delta R.T. -0.000 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Tgt Ion: 105	Resp:	188
Ion Ratio	Lower	Upper
105	100	
120	0.0	37.4 56.2#





#63

1,2,4-Trimethylbenzene

Concen: 2.051 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Instrument :

MSVOA_W

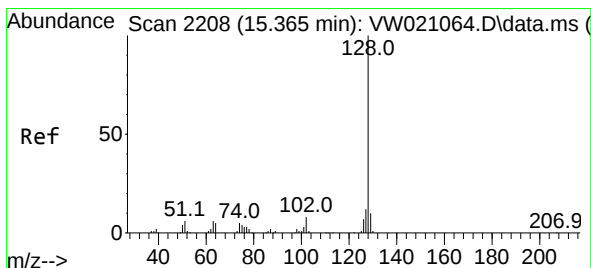
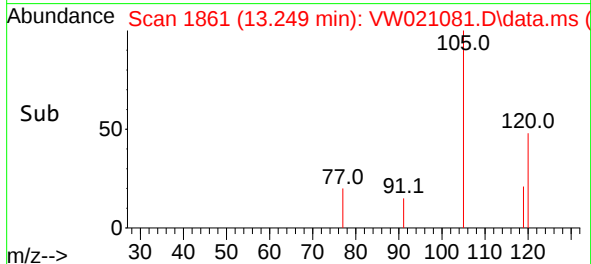
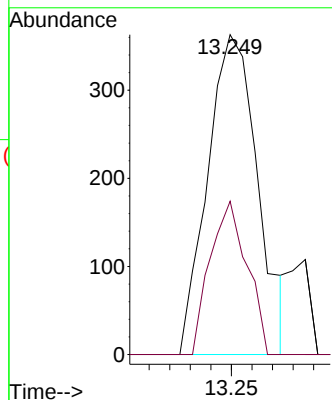
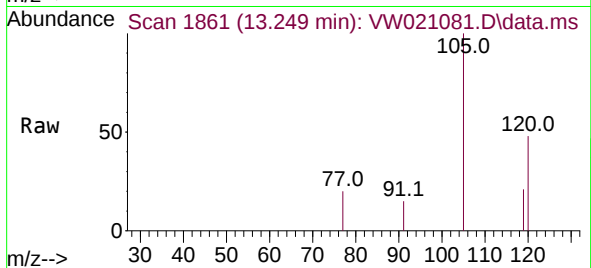
ClientSampleId :

Tgt Ion:105 Resp: 617

Ion Ratio Lower Upper

105 100

120 35.3 35.0 52.6



#71

Naphthalene

Concen: 163.500 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VW021081.D

Acq: 03 Dec 2021 22:04

Tgt Ion:128 Resp: 30870

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.5 8.6 12.8

