

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120721\
 Data File : VW021204.D
 Acq On : 07 Dec 2021 15:05
 Operator : SY/VA
 Sample : M4888-11RE
 Misc : 5.60g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 08 02:50:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 08 02:47:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	38218	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	17918	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	2376	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	21997	41.311	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 165.240%#	
7) Chloroethane-d5	2.879	69	15730	44.129	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 176.520%#	
11) 1,1-Dichloroethene-d2	4.013	63	22303	26.219	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 104.880%	
21) 2-Butanone-d5	7.086	46	7803	64.246	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 128.500%	
24) Chloroform-d	7.647	84	32024	33.459	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 133.840%	
26) 1,2-Dichloroethane-d4	8.305	65	15963	30.486	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 121.960%	
32) Benzene-d6	8.275	84	57386	62.637	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 250.560%#	
36) 1,2-Dichloropropane-d6	9.274	67	16705	65.613	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 262.440%#	
41) Toluene-d8	10.323	98	37821	40.260	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 161.040%#	
43) trans-1,3-Dichloroprop...	10.579	79	2900	25.085	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 100.360%	
47) 2-Hexanone-d5	10.927	63	3718	76.327	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 152.660%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	8533	36.227	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 144.920%#	
66) 1,2-Dichlorobenzene-d4	13.847	152	2741	32.197	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 128.800%#	
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	1371	12.392	ug/L	96
14) Carbon disulfide	4.379	76	5377	3.905	ug/L	97
16) Methylene chloride	4.915	84	3450	5.730	ug/L	# 74
29) Cyclohexane	7.952	56	392	0.992	ug/L	# 69
33) Benzene	8.323	78	2053	2.015	ug/L	100
34) Trichloroethene	9.092	95	4483	15.948	ug/L	92
35) Methylcyclohexane	9.335	83	2186	4.620	ug/L	# 84
37) 1,2-Dichloropropane	9.274	63	2198	9.544	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	383	1.028	ug/L	# 45
42) Toluene	10.384	91	7051	6.059	ug/L	94
46) Tetrachloroethene	10.860	164	3078	11.958	ug/L	88
48) 2-Hexanone	10.920	43	584	5.160	ug/L	# 67
49) Dibromochloromethane	10.860	129	2620	10.857	ug/L	# 10
52) Ethylbenzene	11.731	91	1176	0.898	ug/L	# 80
53) m,p-Xylene	11.835	106	1393	2.570	ug/L	81
54) o-Xylene	12.164	106	1137	2.225	ug/L	80
60) Isopropylbenzene	12.457	105	349	1.057	ug/L	# 68
61) 1,2,3-Trichloropropane	12.597	75	115	2.889	ug/L	# 57
62) 1,3,5-Trimethylbenzene	13.249	105	713	2.578	ug/L	90

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Quant Title : SFAM01.0
QLast Update : Wed Dec 08 02:47:46 2021
Response via : Initial Calibration

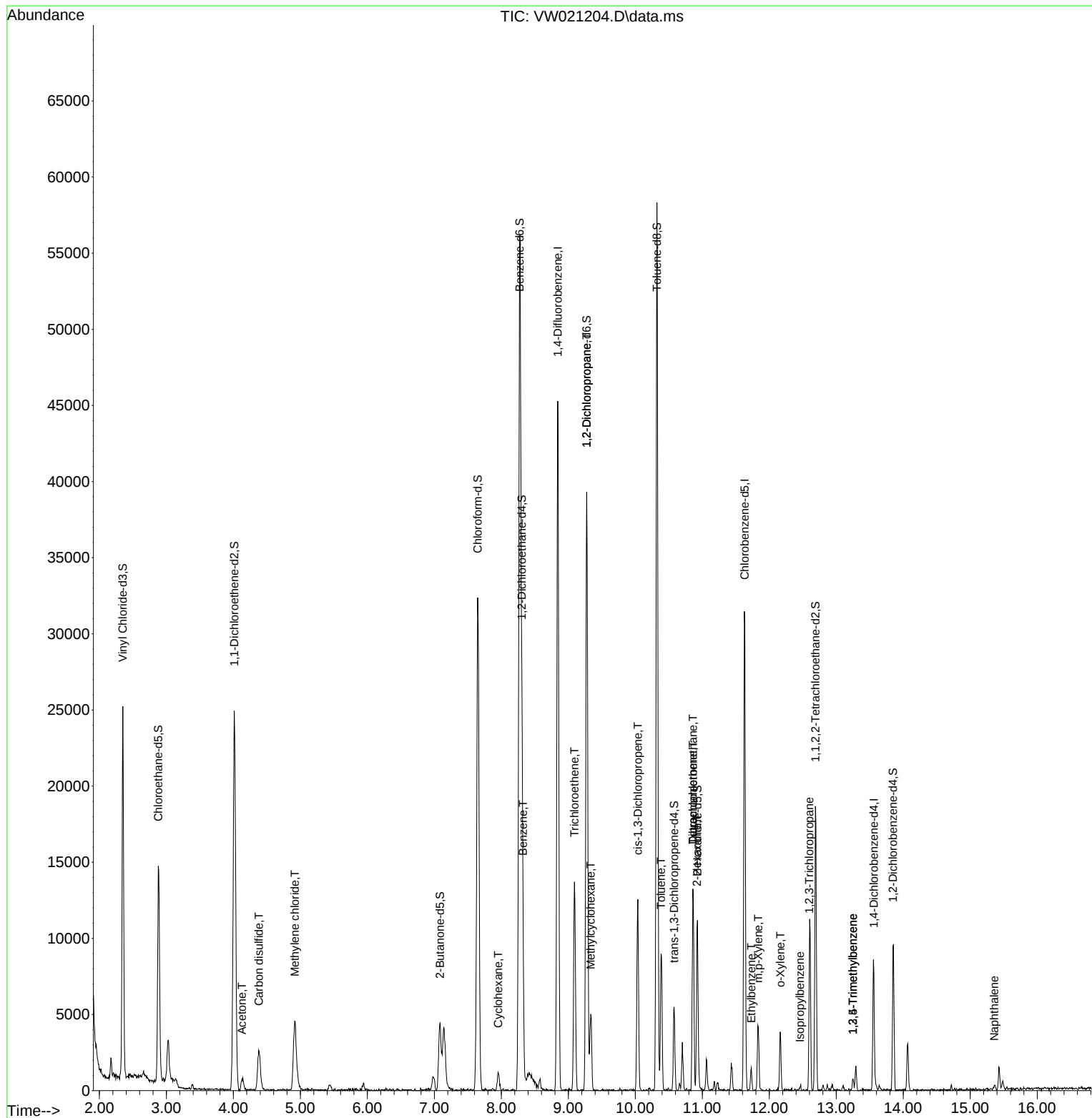
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	713	2.564	ug/L	95
71) Naphthalene	15.359	128	429	2.458	ug/L #	69

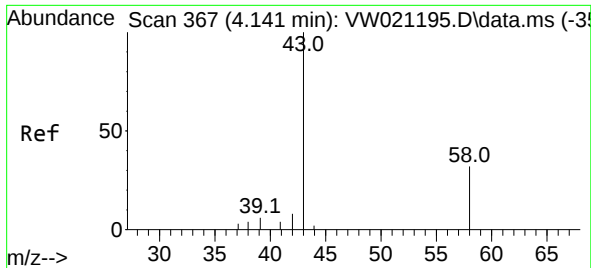
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 12.392 ug/L

RT: 4.129 min Scan# 3

Delta R.T. -0.012 min

Lab File: VW021204.D

Acq: 07 Dec 2021 15:05

Instrument :

MSVOA_W

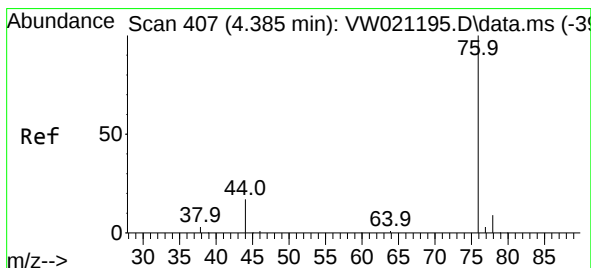
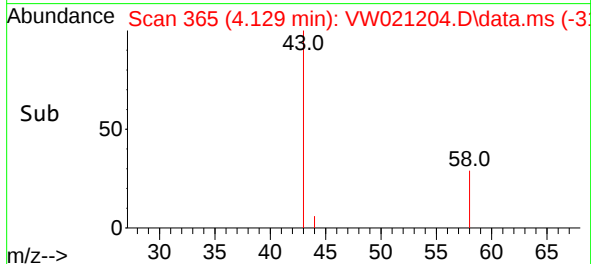
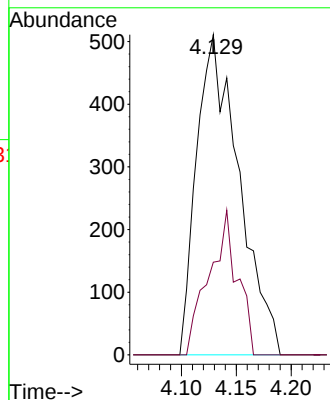
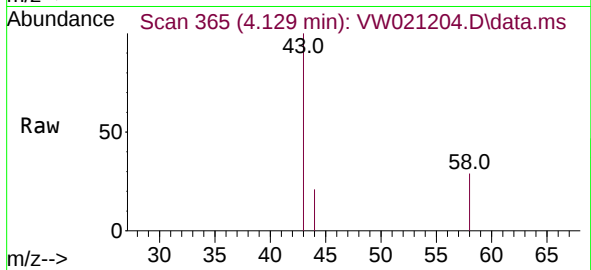
ClientSampleId :

Tgt Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

58 24.6 0.0 52.8



#14

Carbon disulfide

Concen: 3.905 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021204.D

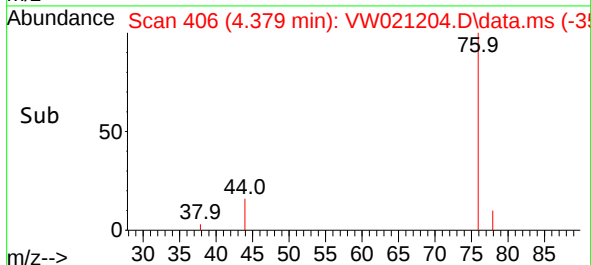
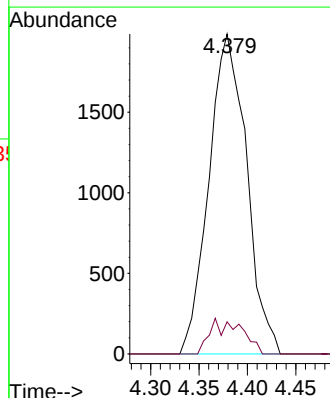
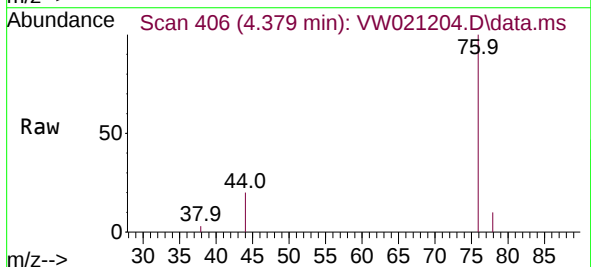
Acq: 07 Dec 2021 15:05

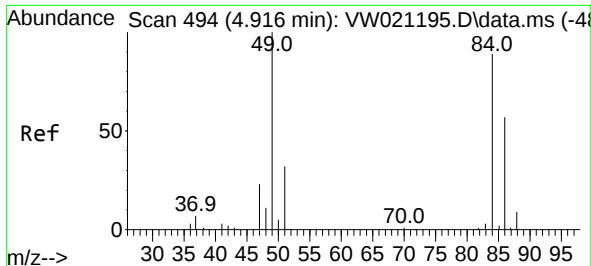
Tgt Ion: 76 Resp: 5377

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7

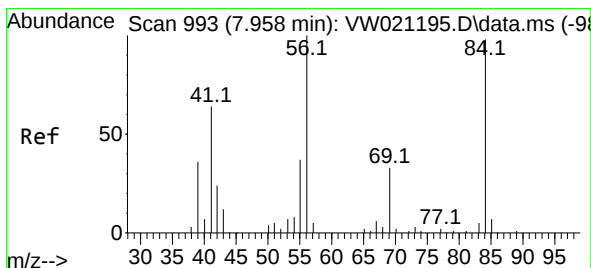
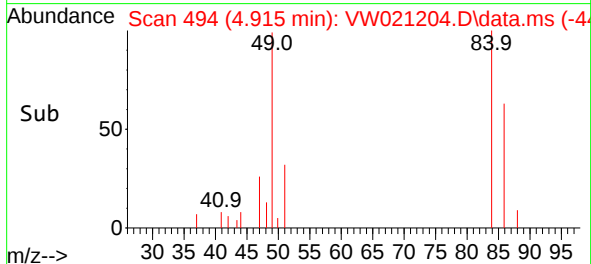
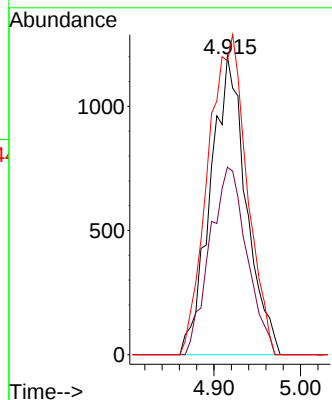
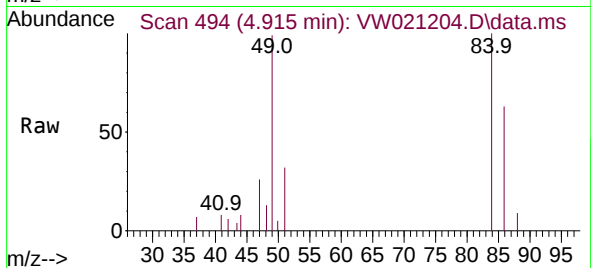




#16
Methylene chloride
Concen: 5.730 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05

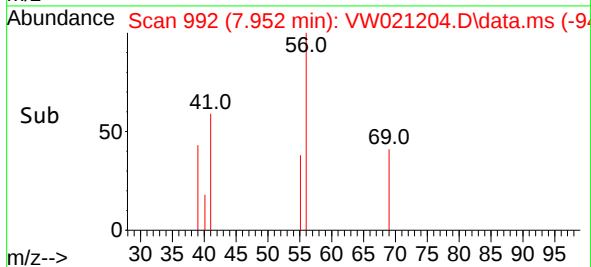
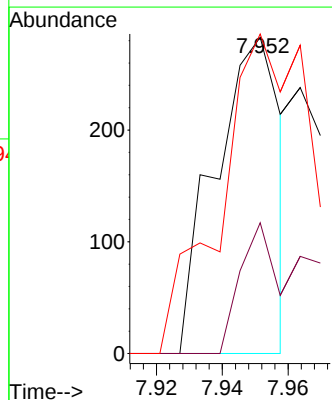
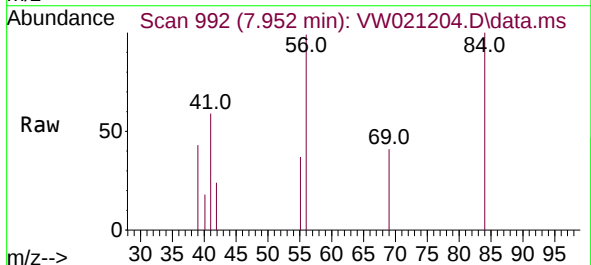
Instrument :
MSVOA_W
ClientSampleId :

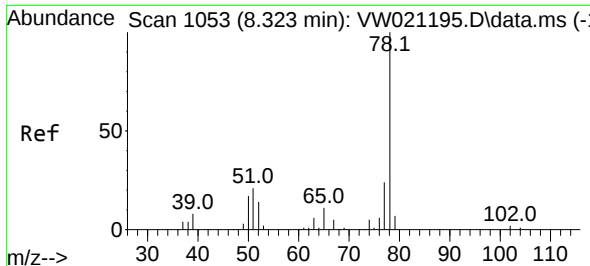
Tgt Ion: 84 Resp: 3450
Ion Ratio Lower Upper
84 100
86 62.8 45.5 84.5
49 98.5 100.5 186.7#



#29
Cyclohexane
Concen: 0.992 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05

Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
69 22.7 23.5 35.3#
84 46.2 63.4 95.2#

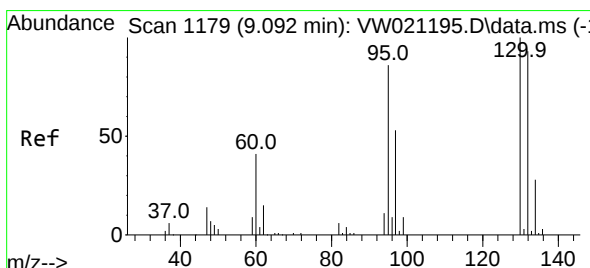
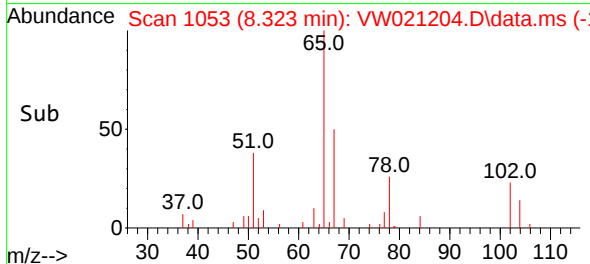
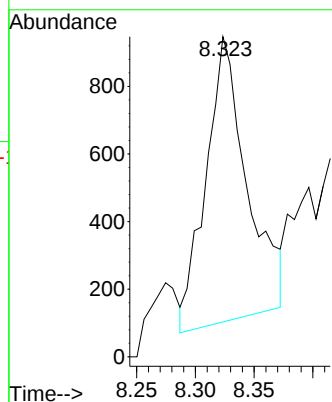
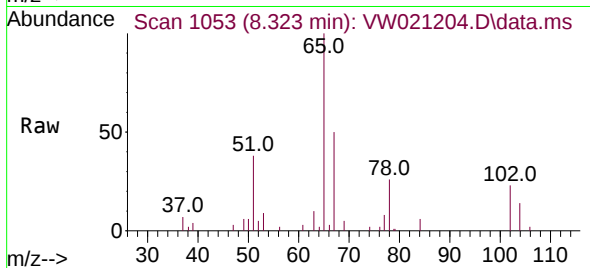




#33
Benzene
Concen: 2.015 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05

Instrument :
MSVOA_W
ClientSampleId :

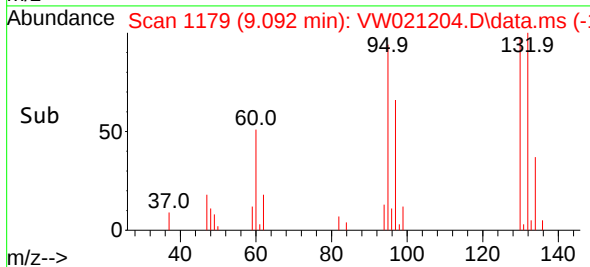
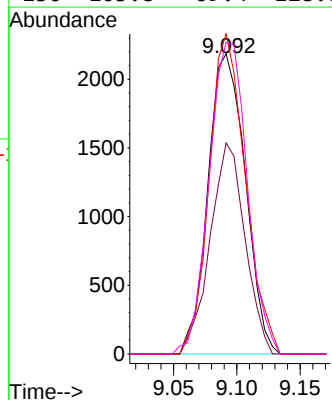
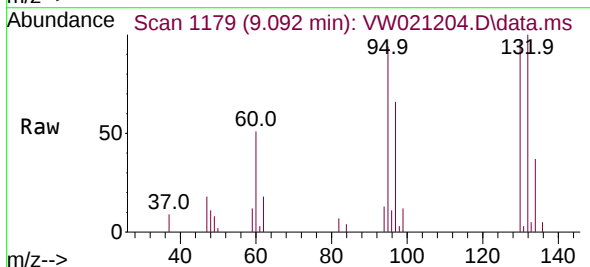
Tgt Ion: 78 Resp: 2053

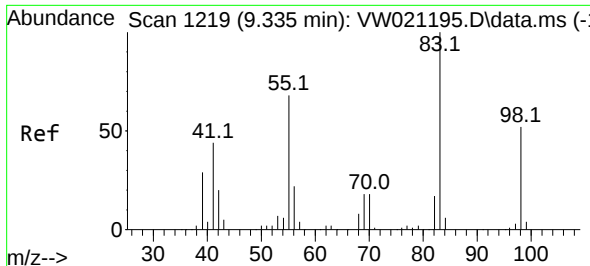


#34
Trichloroethene
Concen: 15.948 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05

Tgt Ion: 95 Resp: 4483

Ion	Ratio	Lower	Upper
95	100		
97	70.4	47.0	87.2
132	106.7	65.5	121.6
130	103.8	69.4	128.8





#35

Methylcyclohexane

Concen: 4.620 ug/L

RT: 9.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021204.D

Acq: 07 Dec 2021 15:05

Instrument :

MSVOA_W

ClientSampleId :

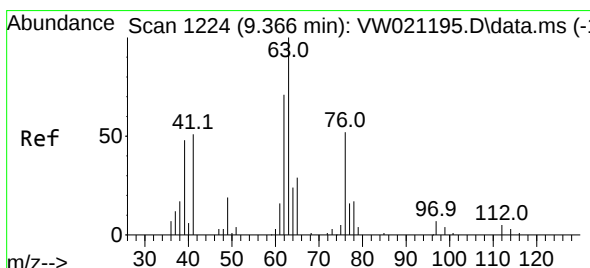
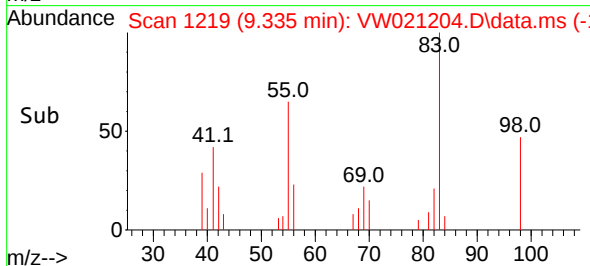
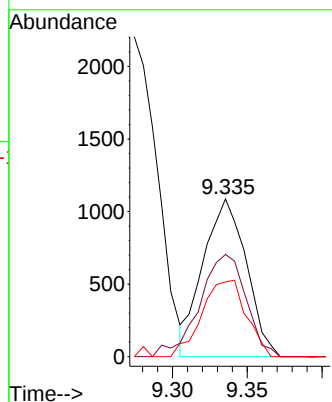
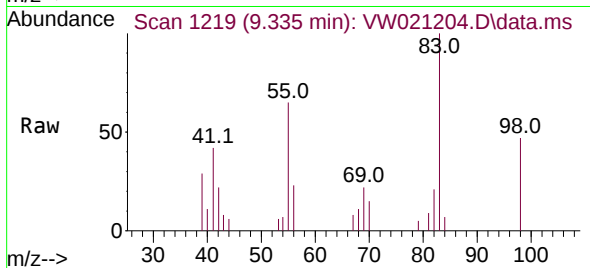
Tgt Ion: 83 Resp: 2186

Ion Ratio Lower Upper

83 100

55 67.1 70.8 106.2#

98 49.7 37.7 56.5



#37

1,2-Dichloropropane

Concen: 9.544 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.092 min

Lab File: VW021204.D

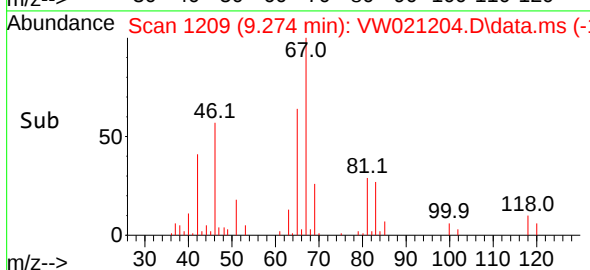
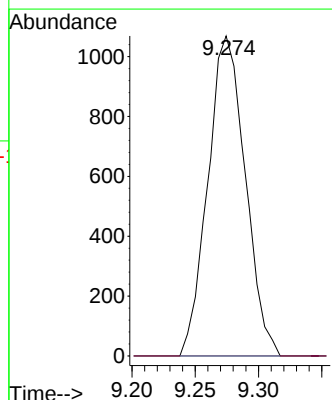
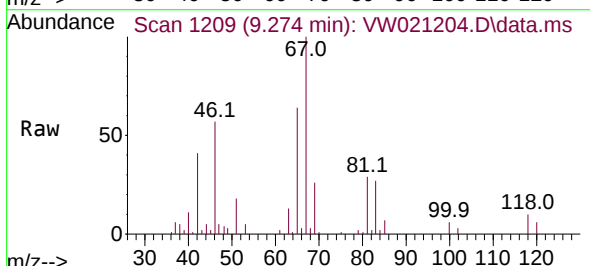
Acq: 07 Dec 2021 15:05

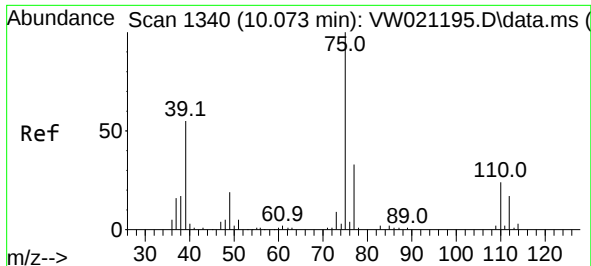
Tgt Ion: 63 Resp: 2198

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.028 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021204.D

Acq: 07 Dec 2021 15:05

Instrument :

MSVOA_W

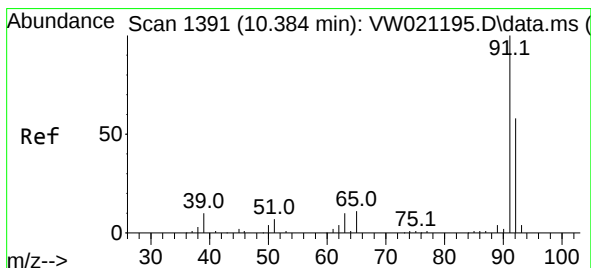
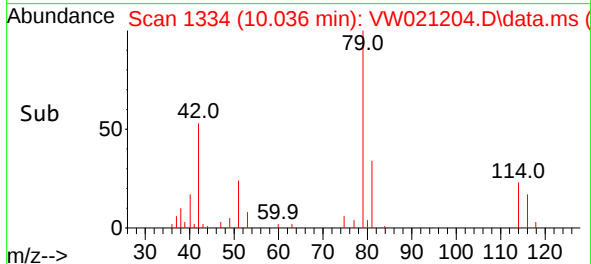
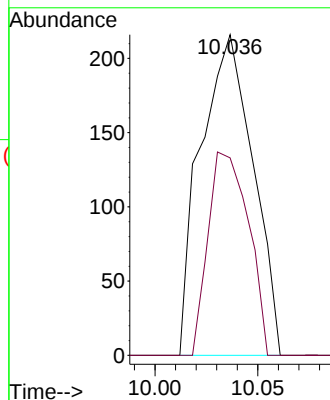
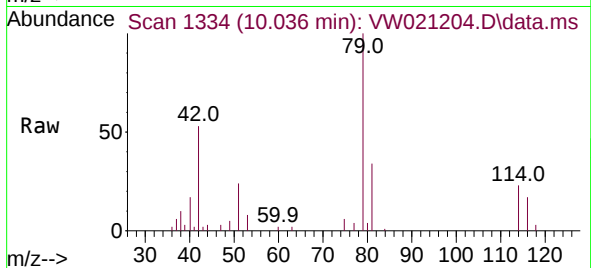
ClientSampleId :

Tgt Ion: 75 Resp: 383

Ion Ratio Lower Upper

75 100

77 61.6 21.8 40.6#



#42

Toluene

Concen: 6.059 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW021204.D

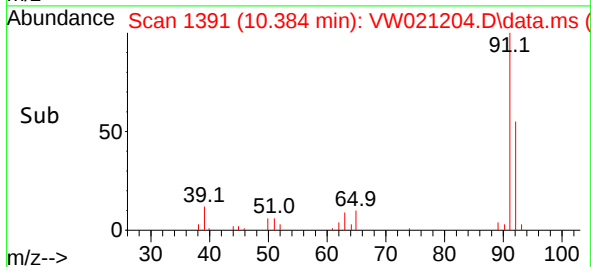
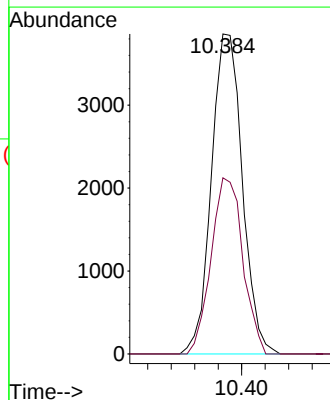
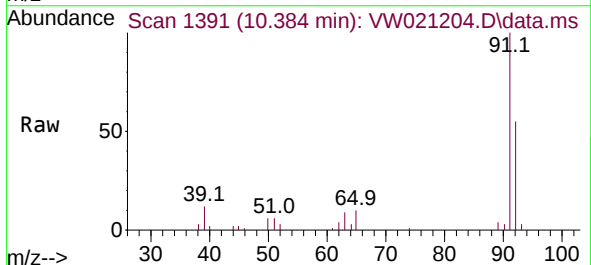
Acq: 07 Dec 2021 15:05

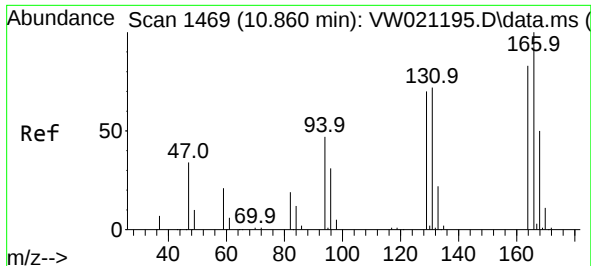
Tgt Ion: 91 Resp: 7051

Ion Ratio Lower Upper

91 100

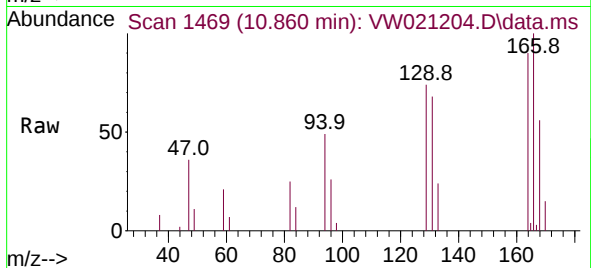
92 55.0 41.7 77.5





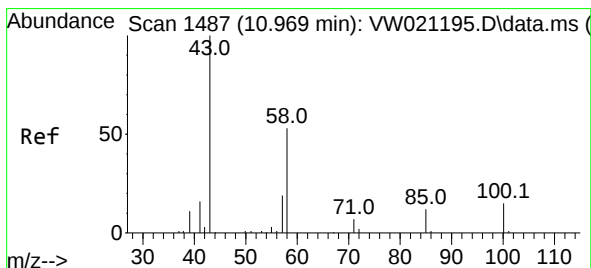
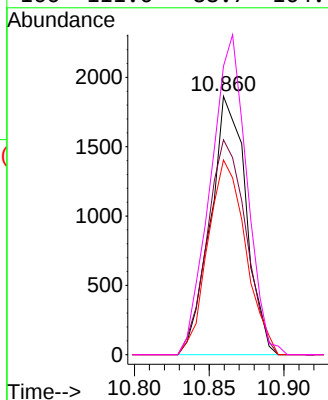
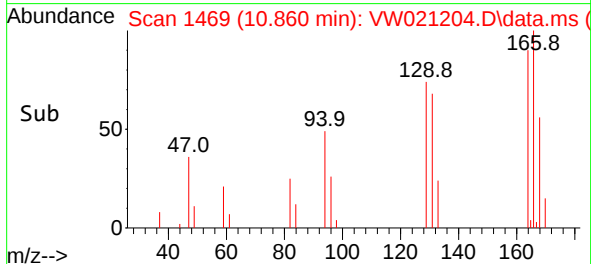
#46
Tetrachloroethene
Concen: 11.958 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05

Instrument :
MSVOA_W
ClientSampleId :

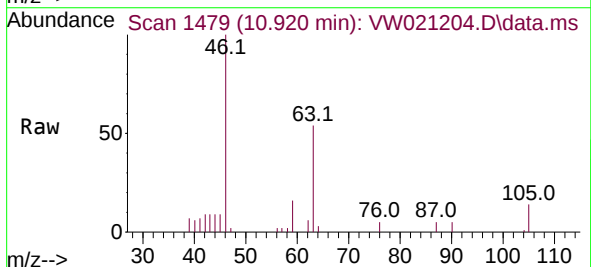


Tgt Ion:164 Resp: 3078

Ion	Ratio	Lower	Upper
164	100		
129	83.2	65.5	121.7
131	75.4	59.7	110.9
166	111.6	88.7	164.7

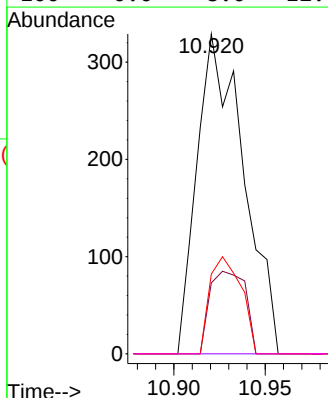
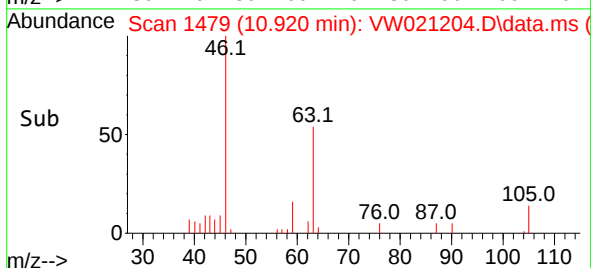


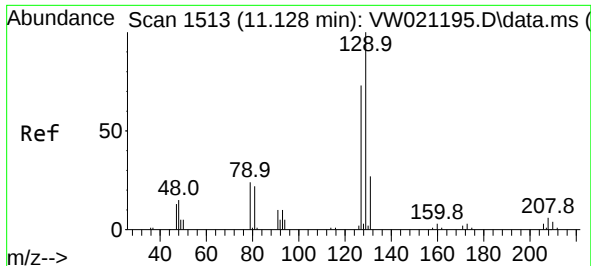
#48
2-Hexanone
Concen: 5.160 ug/L
RT: 10.920 min Scan# 1479
Delta R.T. -0.049 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05



Tgt Ion: 43 Resp: 584

Ion	Ratio	Lower	Upper
43	100		
58	19.7	40.2	60.2#
57	20.5	14.3	21.5
100	0.0	8.0	12.0#





#49

Dibromochloromethane

Concen: 10.857 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.268 min

Lab File: VW021204.D

Acq: 07 Dec 2021 15:05

Instrument :

MSVOA_W

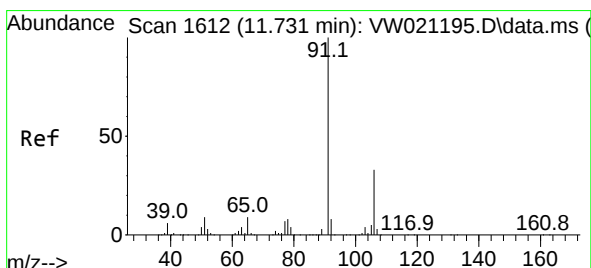
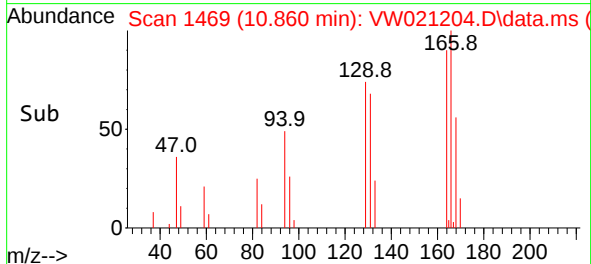
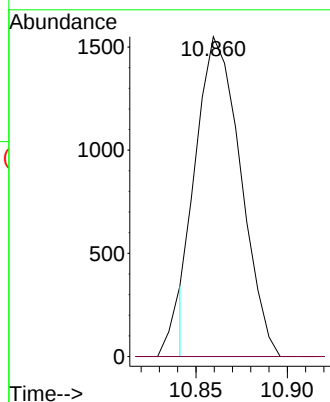
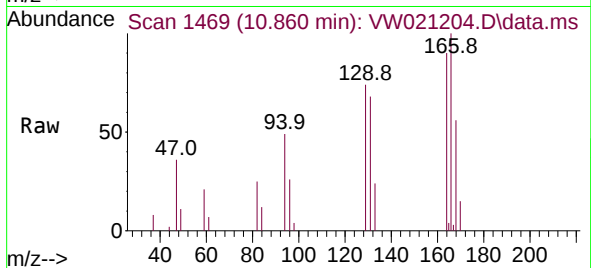
ClientSampleId :

Tgt Ion:129 Resp: 2620

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 0.898 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW021204.D

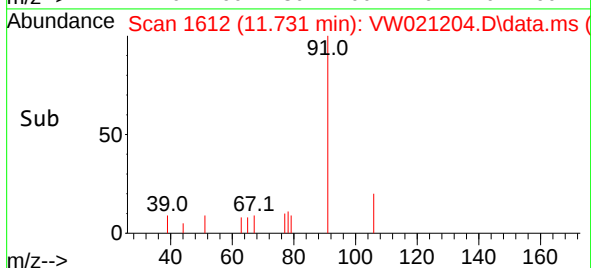
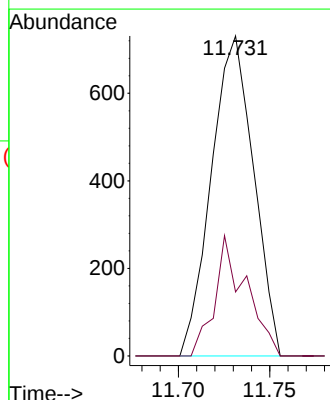
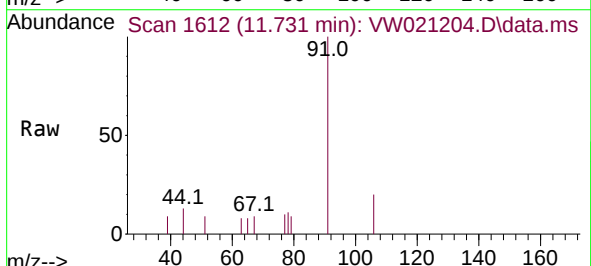
Acq: 07 Dec 2021 15:05

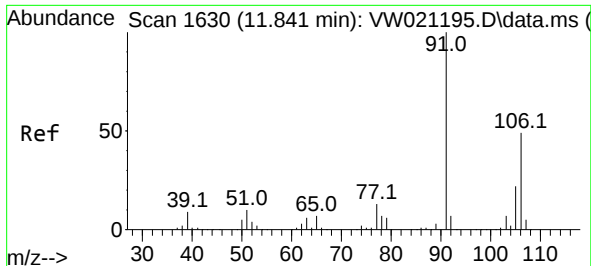
Tgt Ion: 91 Resp: 1176

Ion Ratio Lower Upper

91 100

106 20.0 21.5 39.9#





#53

m,p-Xylene

Concen: 2.570 ug/L

RT: 11.835 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW021204.D

Acq: 07 Dec 2021 15:05

Instrument :

MSVOA_W

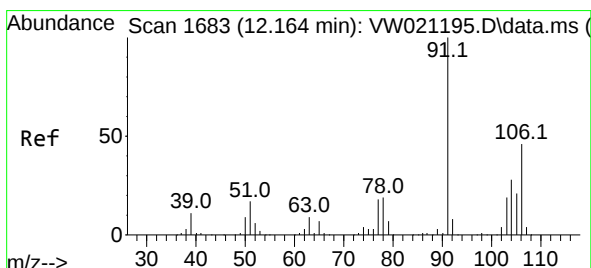
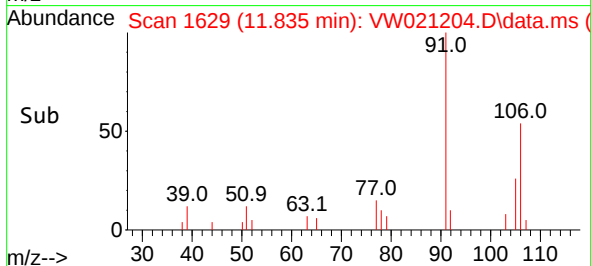
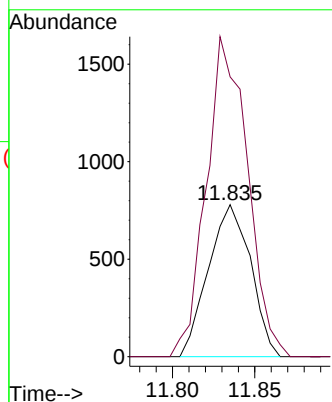
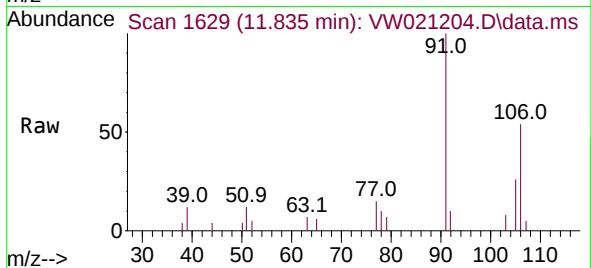
ClientSampleId :

Tgt Ion:106 Resp: 1393

Ion Ratio Lower Upper

106 100

91 184.0 149.9 278.3



#54

o-Xylene

Concen: 2.225 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VW021204.D

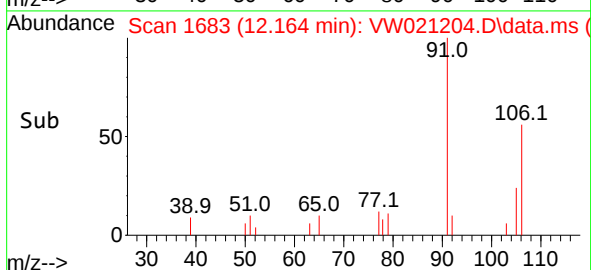
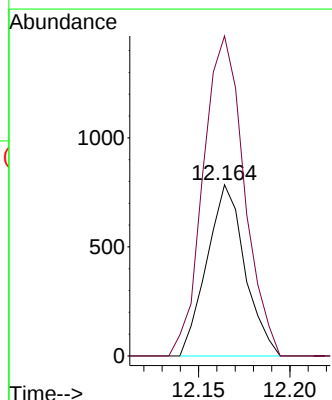
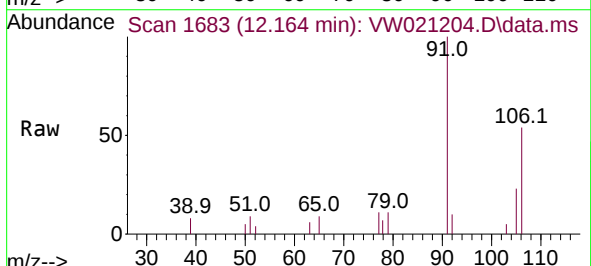
Acq: 07 Dec 2021 15:05

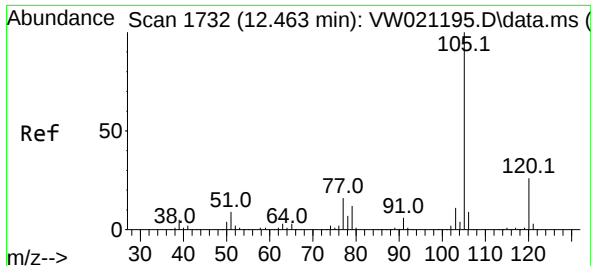
Tgt Ion:106 Resp: 1137

Ion Ratio Lower Upper

106 100

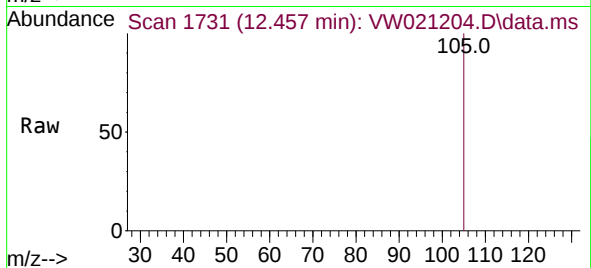
91 186.9 153.6 285.3



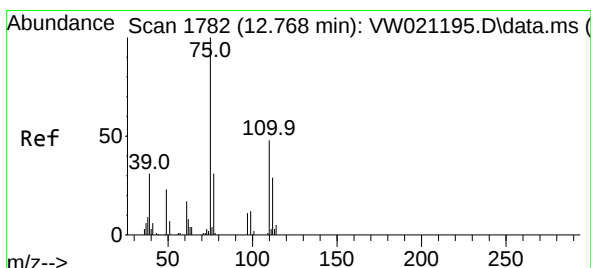
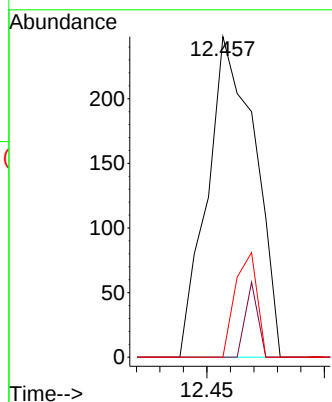
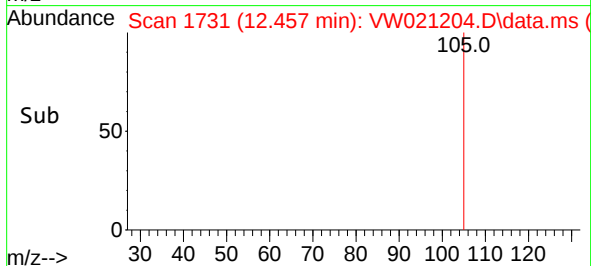


#60
Isopropylbenzene
Concen: 1.057 ug/L
RT: 12.457 min Scan# 1732
Delta R.T. -0.006 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05

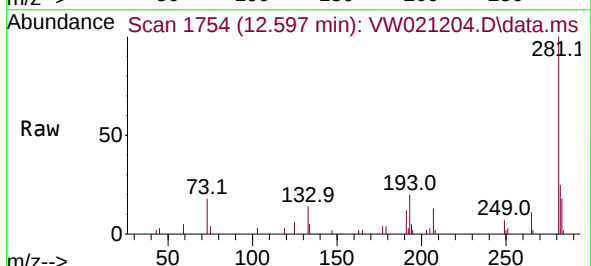
Instrument :
MSVOA_W
ClientSampleId :



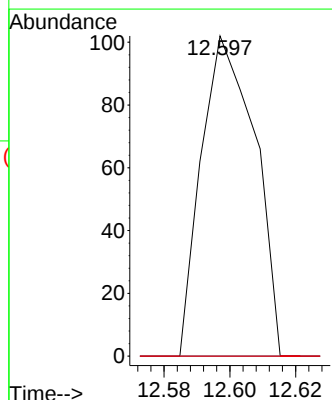
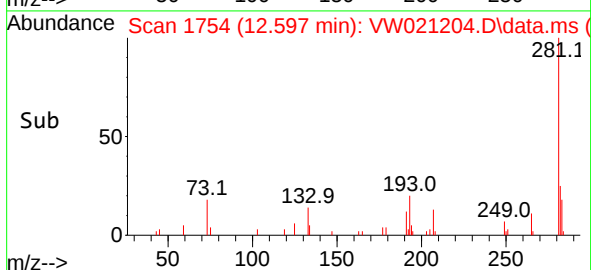
Tgt Ion:105 Resp: 349
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 14.9 13.8 20.8

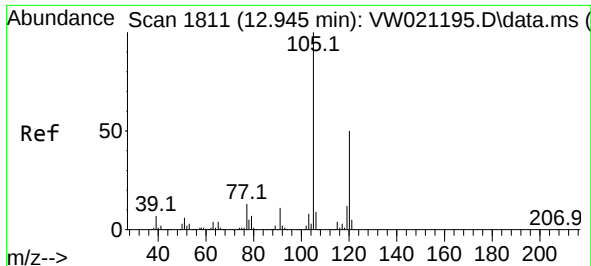


#61
1,2,3-Trichloropropane
Concen: 2.889 ug/L
RT: 12.597 min Scan# 1754
Delta R.T. -0.171 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05



Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
77 45.2 25.8 38.8#
110 0.0 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 2.578 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.305 min

Lab File: VW021204.D

Acq: 07 Dec 2021 15:05

Instrument :

MSVOA_W

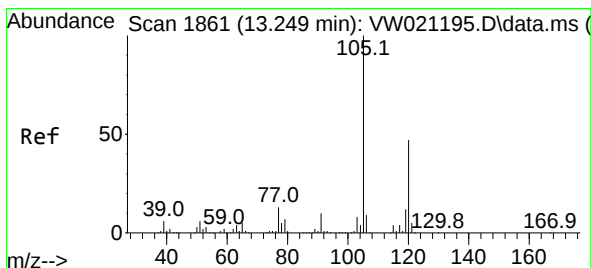
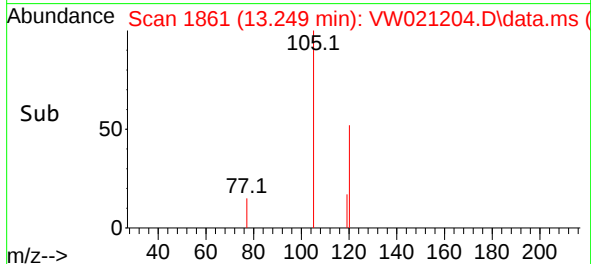
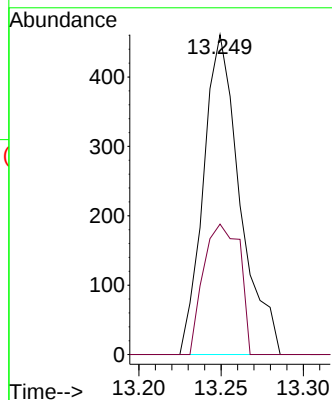
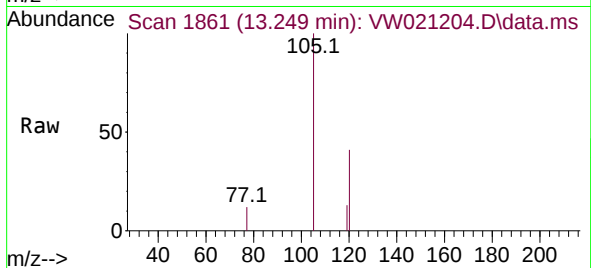
ClientSampleId :

Tgt Ion:105 Resp: 713

Ion Ratio Lower Upper

105 100

120 40.4 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 2.564 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021204.D

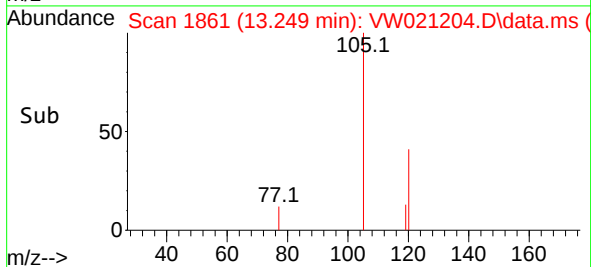
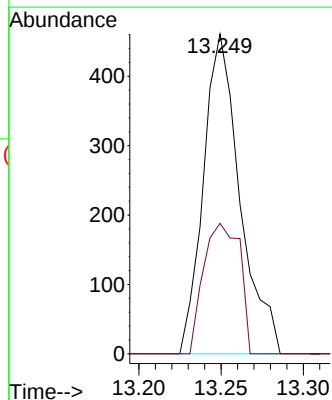
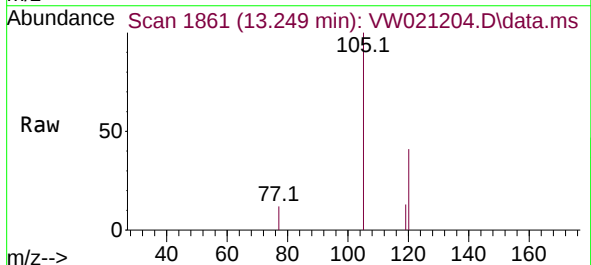
Acq: 07 Dec 2021 15:05

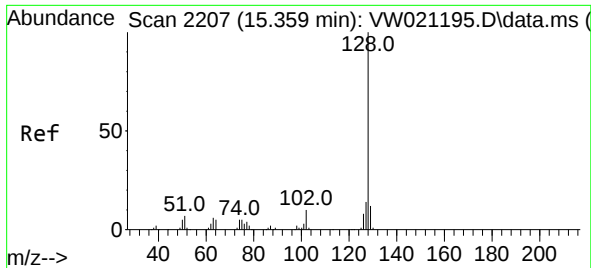
Tgt Ion:105 Resp: 713

Ion Ratio Lower Upper

105 100

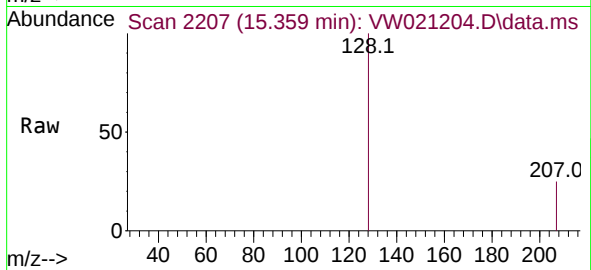
120 40.4 35.0 52.6





#71
Naphthalene
Concen: 2.458 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021204.D
Acq: 07 Dec 2021 15:05

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	429
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	12.8#

