

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021095.D
 Acq On : 04 Dec 2021 04:28
 Operator : SY/VA
 Sample : M4883-07
 Misc : 3.84g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 05:45:34 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	52362	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.633	117	27354	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	5002	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	37177	50.959	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 203.840%#	
7) Chloroethane-d5	2.885	69	23372	47.857	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 191.440%#	
11) 1,1-Dichloroethene-d2	4.019	63	36540	31.352	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 125.400%#	
21) 2-Butanone-d5	7.085	46	12369	74.331	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 148.660%#	
24) Chloroform-d	7.652	84	52305	39.887	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 159.560%#	
26) 1,2-Dichloroethane-d4	8.305	65	26374	36.763	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 147.040%#	
32) Benzene-d6	8.274	84	94449	67.529	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 270.120%#	
36) 1,2-Dichloropropane-d6	9.274	67	28088	72.266	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 289.080%#	
41) Toluene-d8	10.323	98	64562	45.018	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 180.080%#	
43) trans-1,3-Dichloroprop...	10.579	79	6224	35.266	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 141.080%#	
47) 2-Hexanone-d5	10.926	63	7986	107.391	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 214.780%#	
56) 1,1,2,2-Tetrachloroeth...	12.694	84	16619	46.218	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 184.880%#	
66) 1,2-Dichlorobenzene-d4	13.852	152	6929	38.662	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 154.640%#	
Target Compounds						
					Qvalue	
13) Acetone	4.141	43	1284	8.471	ug/L	88
22) 2-Butanone	7.146	43	1379	6.574	ug/L	# 52
27) 1,2-Dichloroethane	8.402	62	1442	1.711	ug/L	# 95
29) Cyclohexane	7.963	56	542	0.898	ug/L	# 73
33) Benzene	8.323	78	950	0.611	ug/L	100
34) Trichloroethene	9.091	95	66424	154.783	ug/L	90
35) Methylcyclohexane	9.335	83	2212	3.062	ug/L	# 94
37) 1,2-Dichloropropane	9.274	63	3676	10.456	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	743	1.307	ug/L	85
42) Toluene	10.390	91	5062	2.849	ug/L	92
45) 1,1,2-Trichloroethane	10.670	97	302	1.025	ug/L	# 14
46) Tetrachloroethene	10.859	164	264	0.672	ug/L	83
48) 2-Hexanone	10.926	43	1540	8.913	ug/L	# 58
49) Dibromochloromethane	10.859	129	301	0.817	ug/L	# 10
53) m,p-Xylene	11.828	106	1068	1.291	ug/L	74
54) o-Xylene	12.164	106	1032	1.323	ug/L	70
60) Isopropylbenzene	12.463	105	482	0.693	ug/L	# 76
62) 1,3,5-Trimethylbenzene	13.249	105	805	1.383	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	805	1.375	ug/L	98

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Quant Time: Dec 04 05:45:34 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

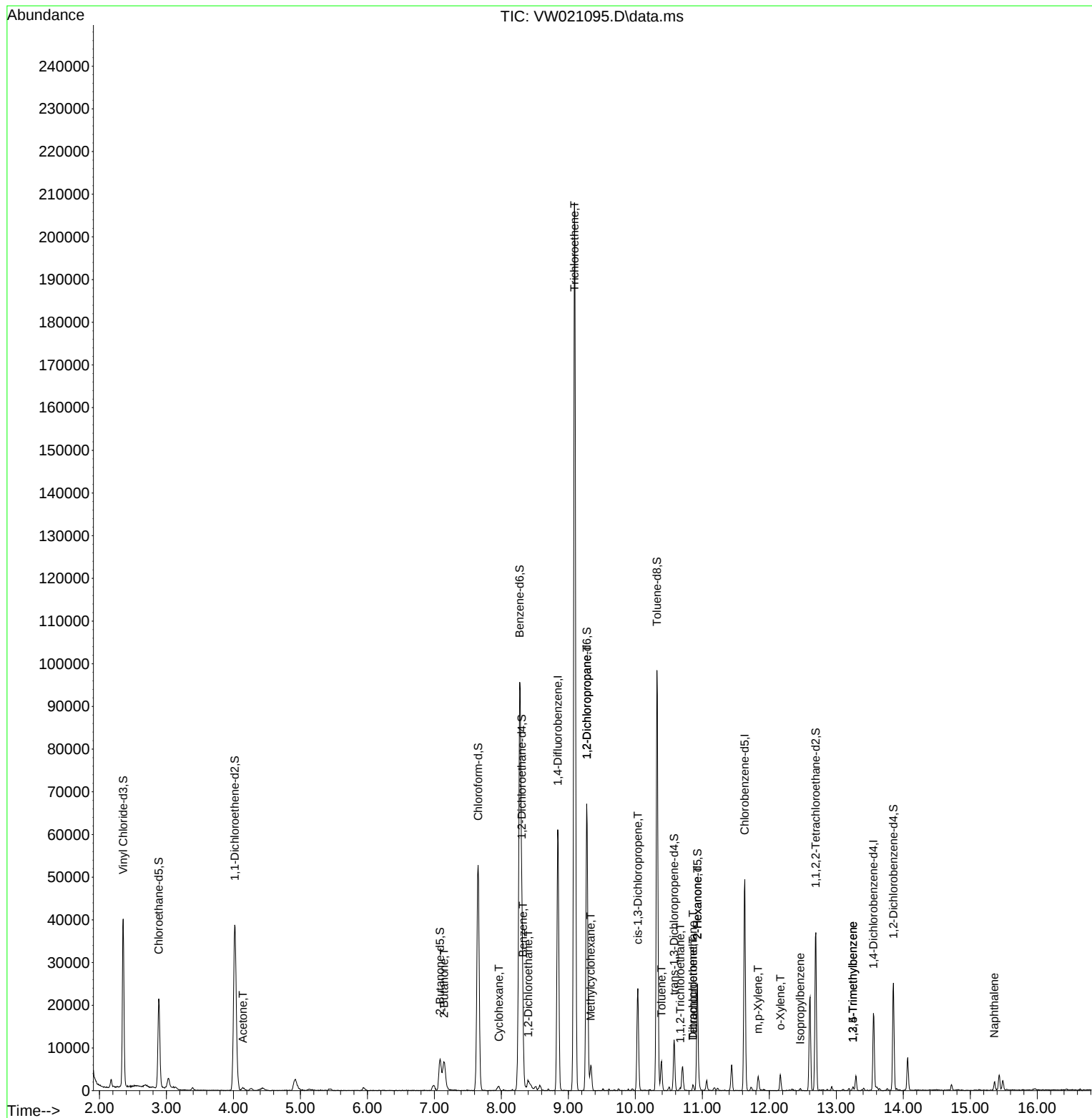
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.358	128	2050	5.579	ug/L	# 92

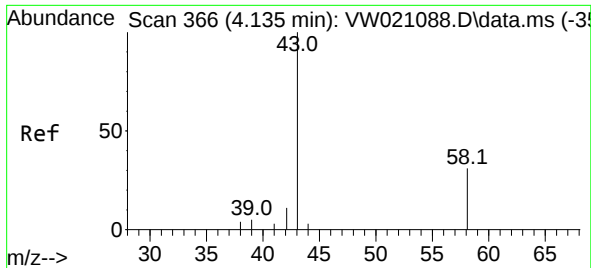
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 05:45:34 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





#13

Acetone

Concen: 8.471 ug/L

RT: 4.141 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Instrument :

MSVOA_W

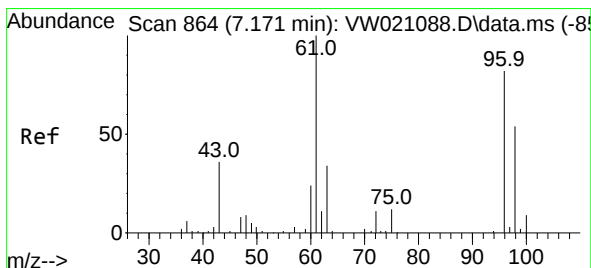
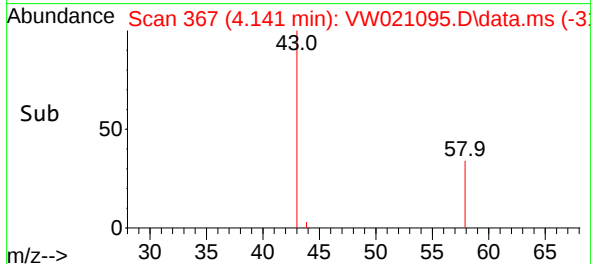
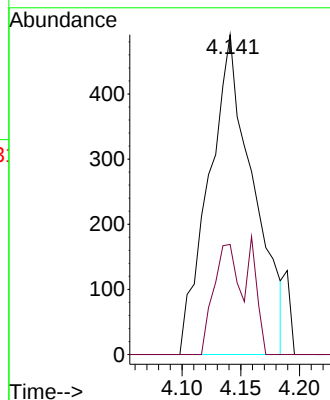
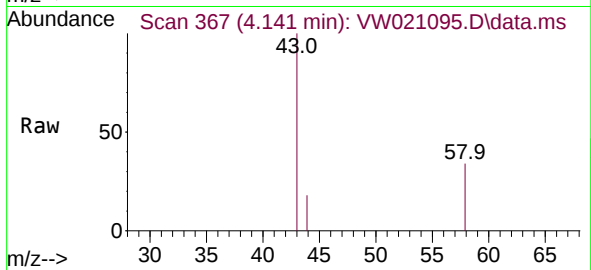
ClientSampleId :

Tgt Ion: 43 Resp: 1284

Ion Ratio Lower Upper

43 100

58 20.2 0.0 52.8



#22

2-Butanone

Concen: 6.574 ug/L

RT: 7.146 min Scan# 860

Delta R.T. -0.025 min

Lab File: VW021095.D

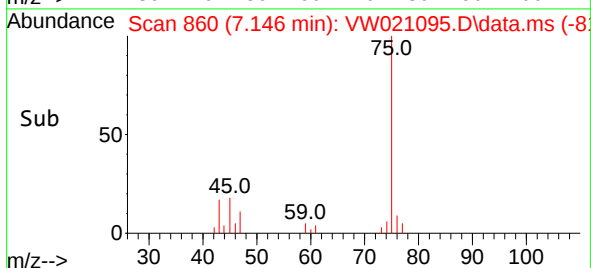
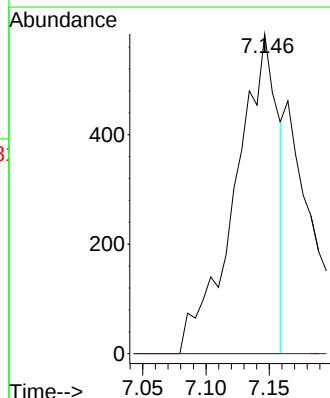
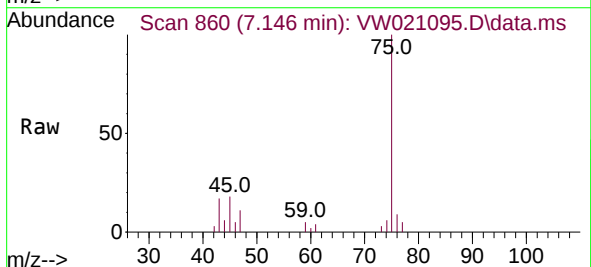
Acq: 04 Dec 2021 04:28

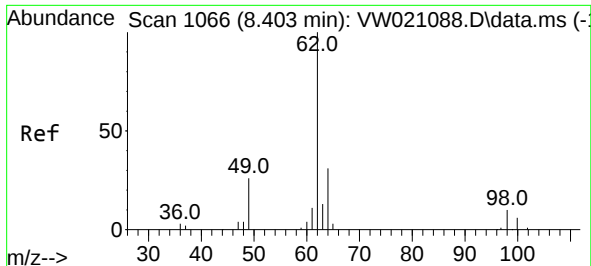
Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 1.711 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Instrument :

MSVOA_W

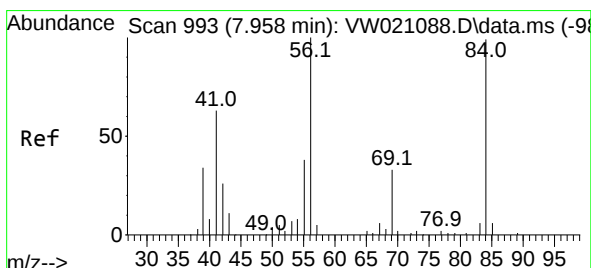
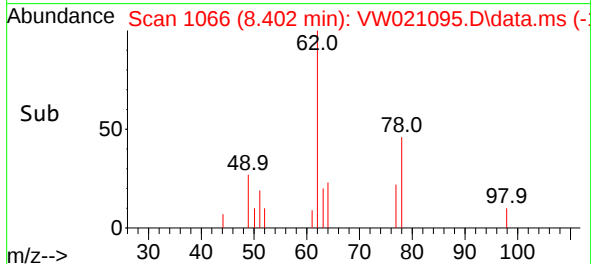
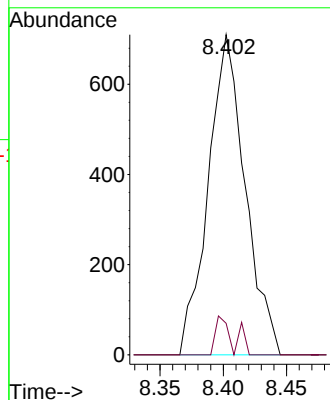
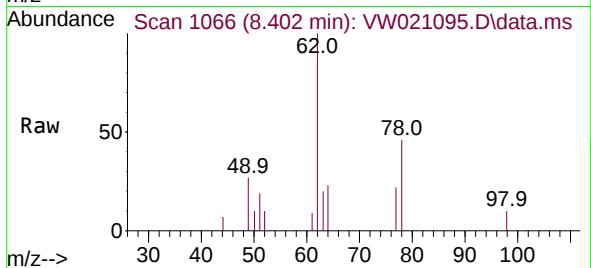
ClientSampleId :

Tgt Ion: 62 Resp: 1442

Ion Ratio Lower Upper

62 100

98 9.9 6.5 9.7#



#29

Cyclohexane

Concen: 0.898 ug/L

RT: 7.963 min Scan# 994

Delta R.T. 0.006 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

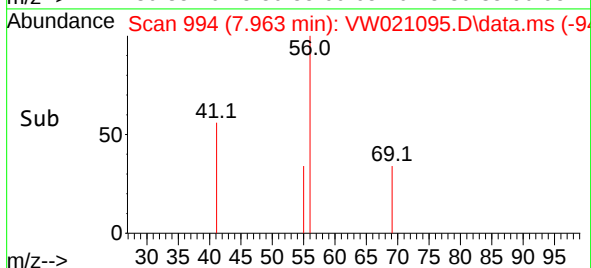
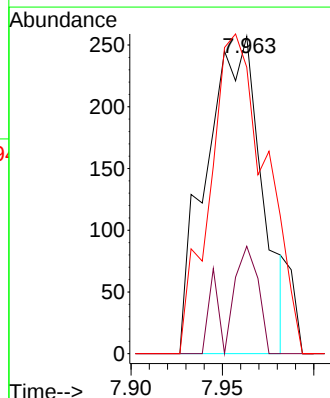
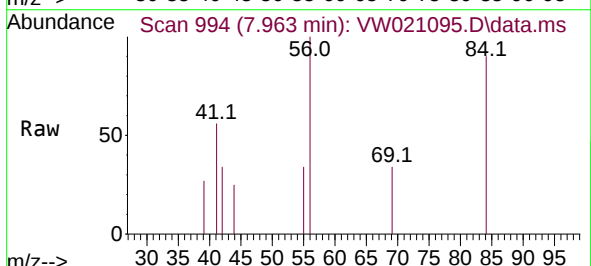
Tgt Ion: 56 Resp: 542

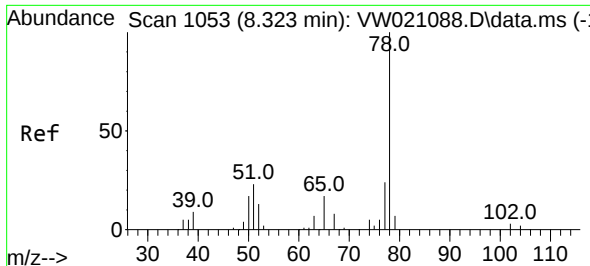
Ion Ratio Lower Upper

56 100

69 14.2 23.5 35.3#

84 102.8 63.4 95.2#

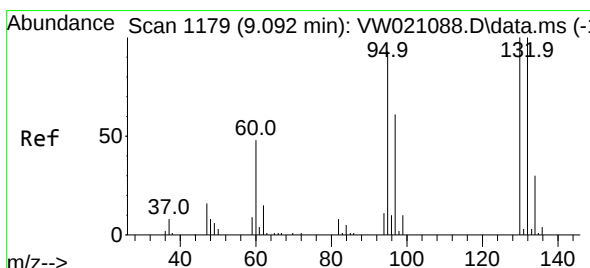
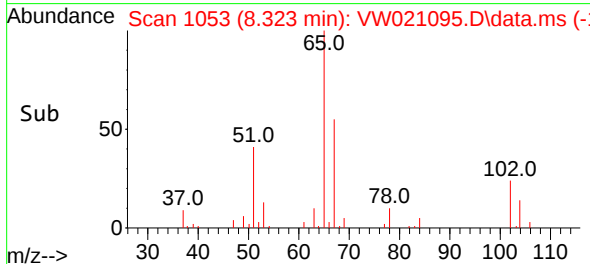
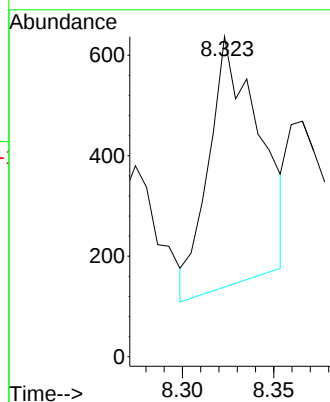
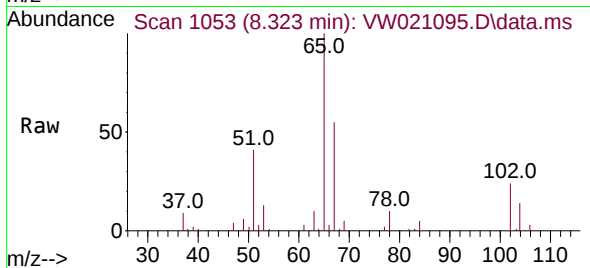




#33
Benzene
Concen: 0.611 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

Instrument :
MSVOA_W
ClientSampleId :

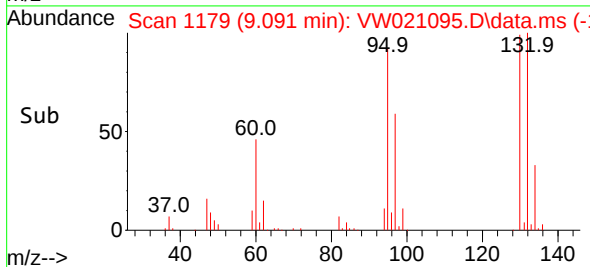
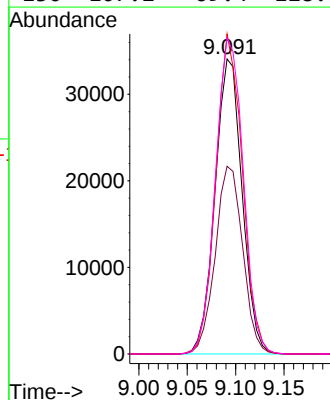
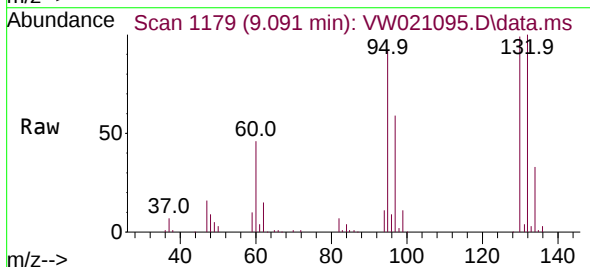
Tgt Ion: 78 Resp: 950

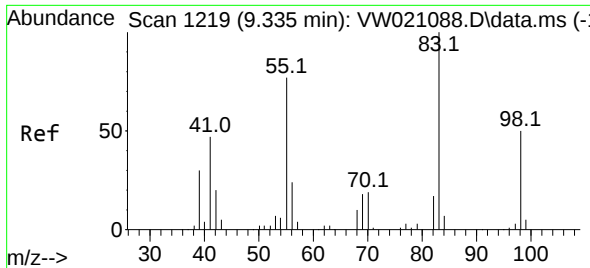


#34
Trichloroethene
Concen: 154.783 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

Tgt Ion: 95 Resp: 66424

Ion	Ratio	Lower	Upper
95	100		
97	63.6	47.0	87.2
132	108.5	65.5	121.6
130	107.2	69.4	128.8

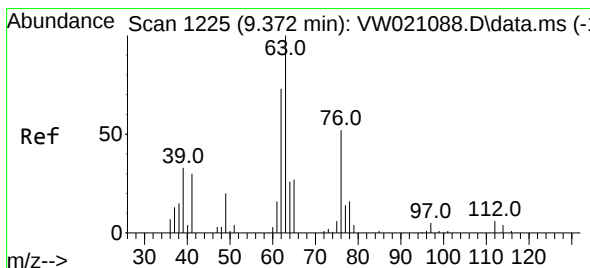
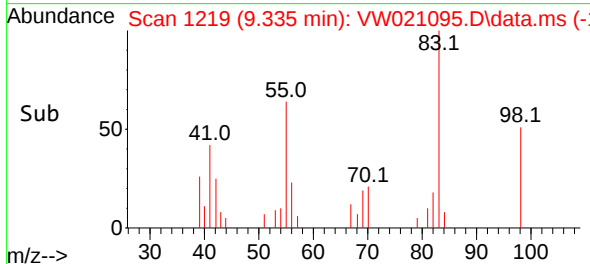
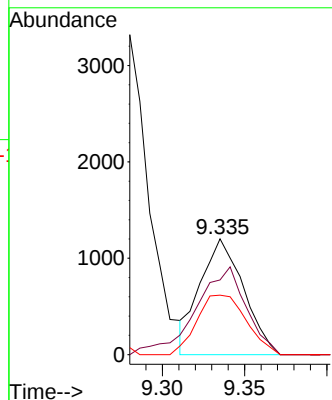
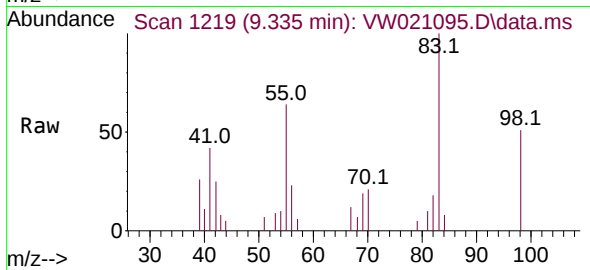




#35
Methylcyclohexane
Concen: 3.062 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

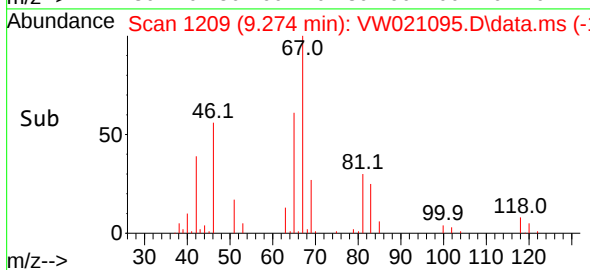
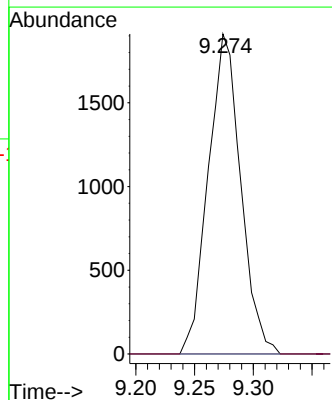
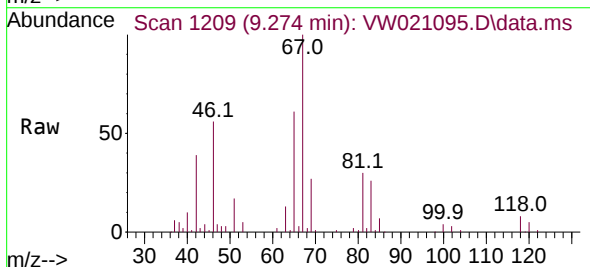
Instrument :
MSVOA_W
ClientSampleId :

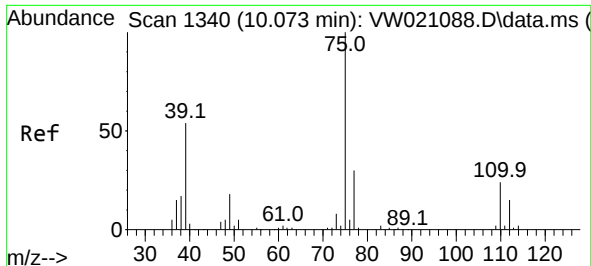
Tgt Ion: 83 Resp: 2212
Ion Ratio Lower Upper
83 100
55 87.8 70.8 106.2
98 58.3 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 10.456 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.098 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

Tgt Ion: 63 Resp: 3676
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.307 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Instrument :

MSVOA_W

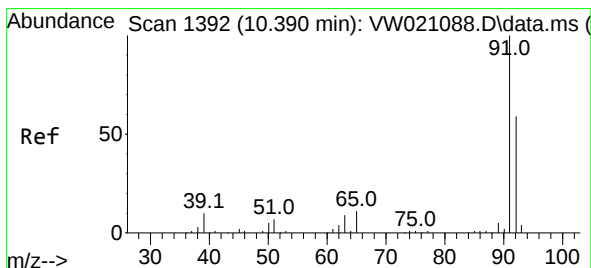
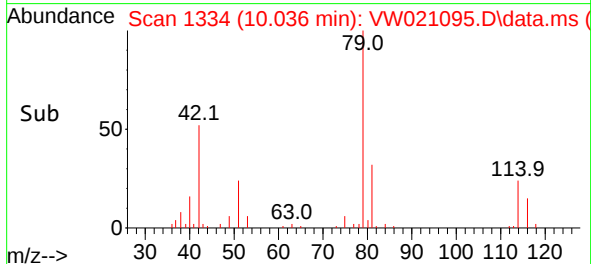
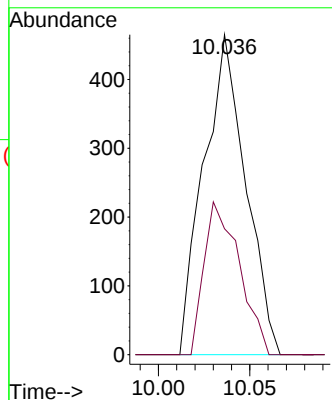
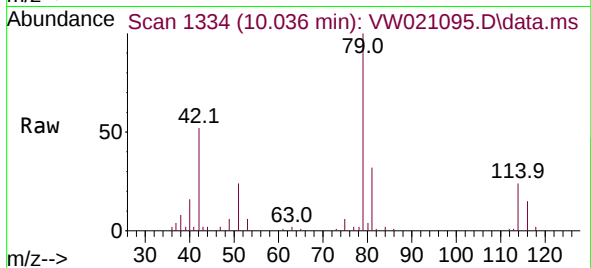
ClientSampleId :

Tgt Ion: 75 Resp: 743

Ion Ratio Lower Upper

75 100

77 39.4 21.8 40.6



#42

Toluene

Concen: 2.849 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021095.D

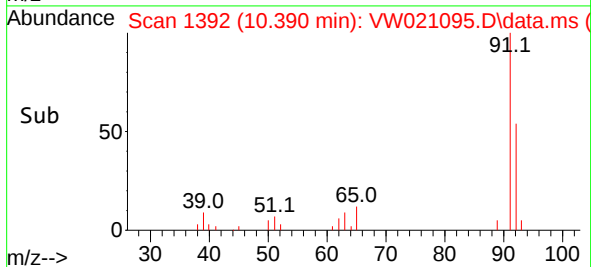
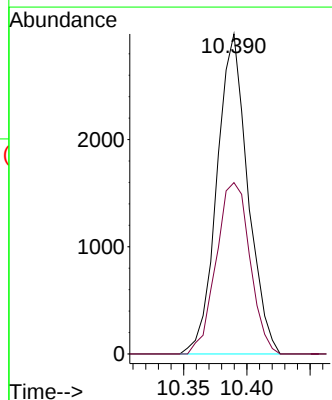
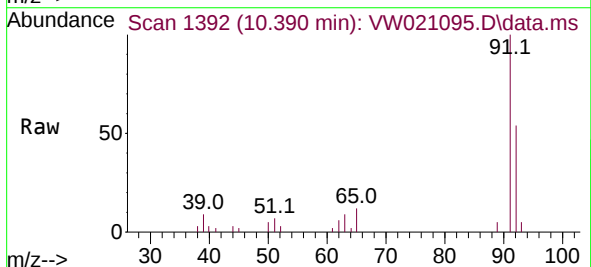
Acq: 04 Dec 2021 04:28

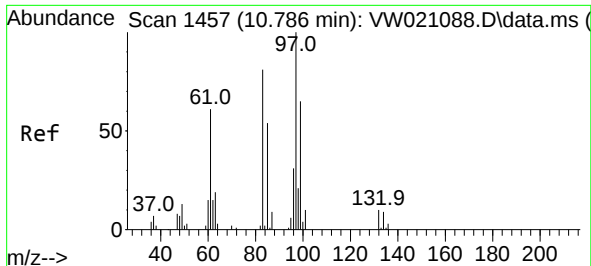
Tgt Ion: 91 Resp: 5062

Ion Ratio Lower Upper

91 100

92 53.6 41.7 77.5





#45

1,1,2-Trichloroethane

Concen: 1.025 ug/L

RT: 10.670 min Scan# 14

Delta R.T. -0.116 min

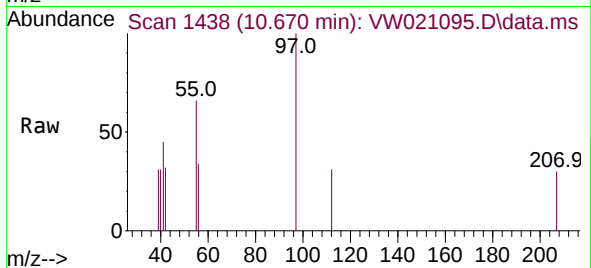
Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 302

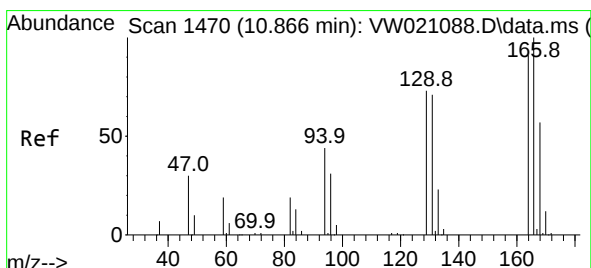
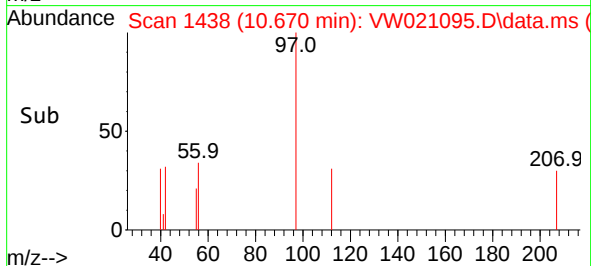
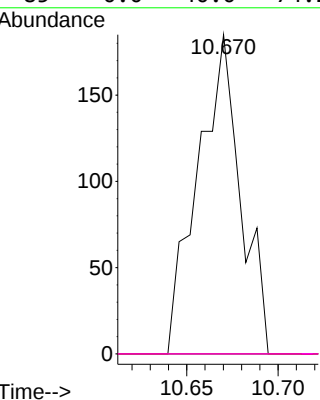
Ion Ratio Lower Upper

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: 0.672 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.007 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Tgt Ion:164 Resp: 264

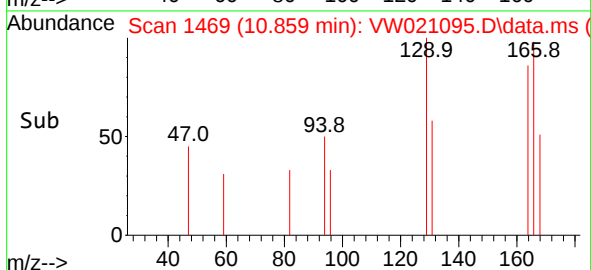
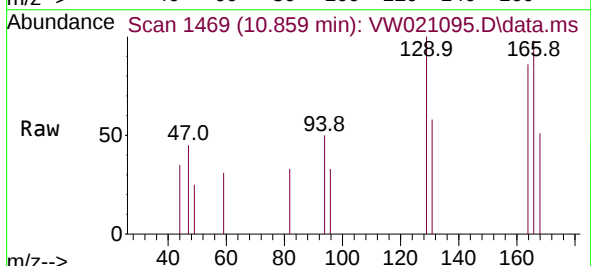
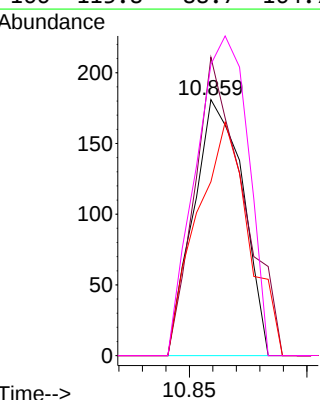
Ion Ratio Lower Upper

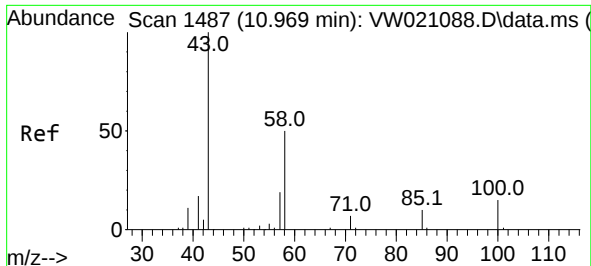
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129 116.6 65.5 121.7

131 68.0 59.7 110.9

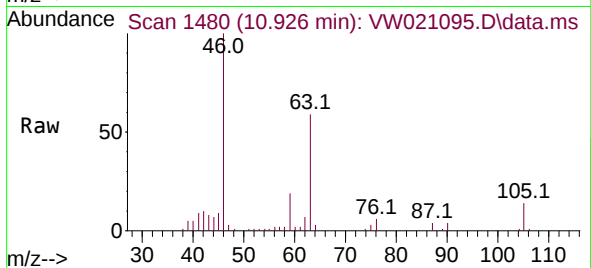
166 113.8 88.7 164.7



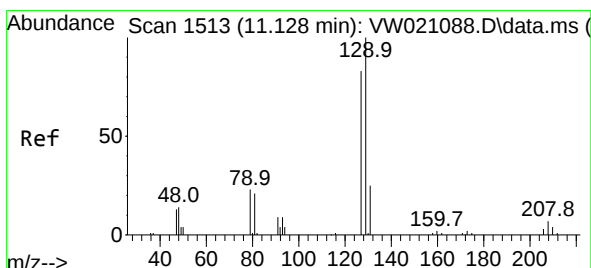
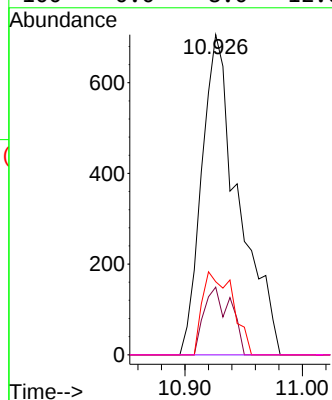
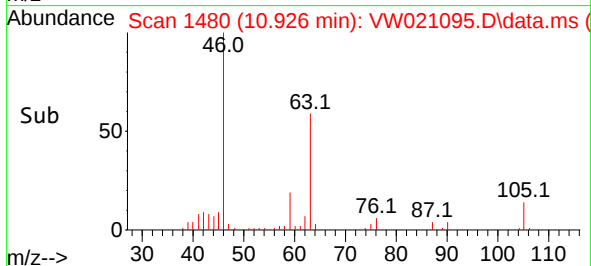


#48
2-Hexanone
Concen: 8.913 ug/L
RT: 10.926 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

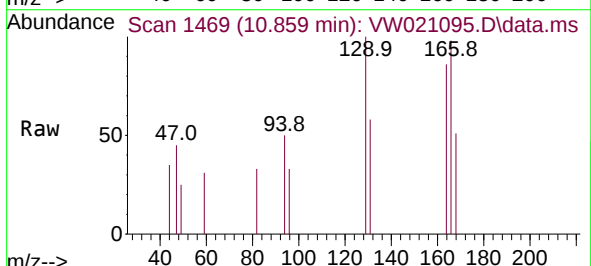
Instrument :
MSVOA_W
ClientSampleId :



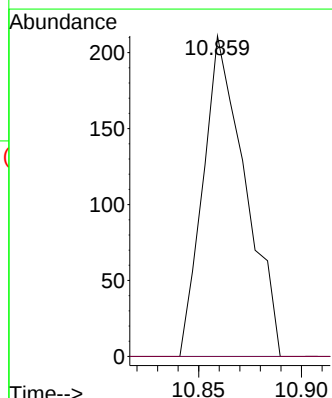
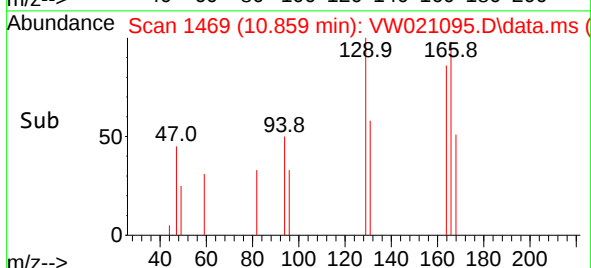
Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
58 10.3 40.2 60.2#
57 14.4 14.3 21.5
100 0.0 8.0 12.0#

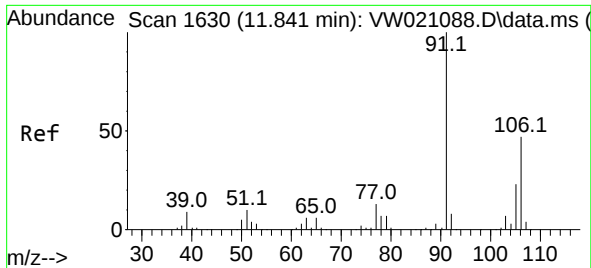


#49
Dibromochloromethane
Concen: 0.817 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.269 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28



Tgt Ion: 129 Resp: 301
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

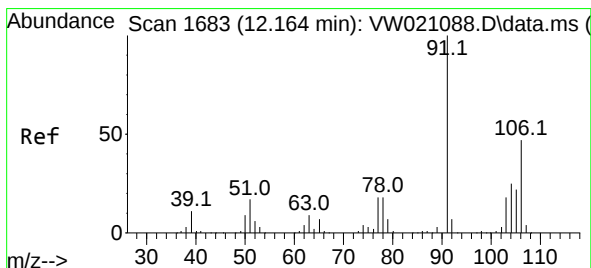
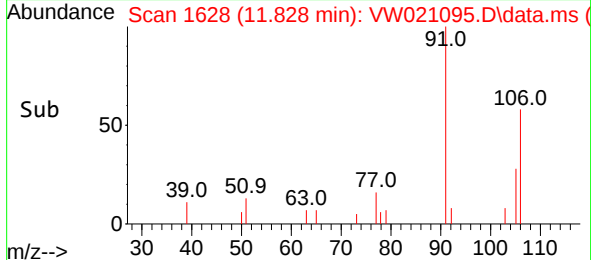
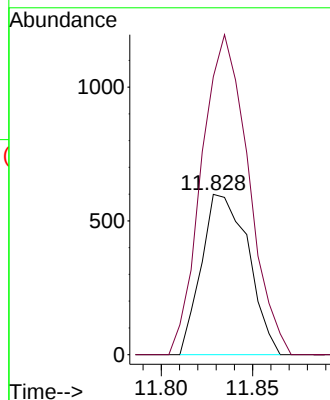
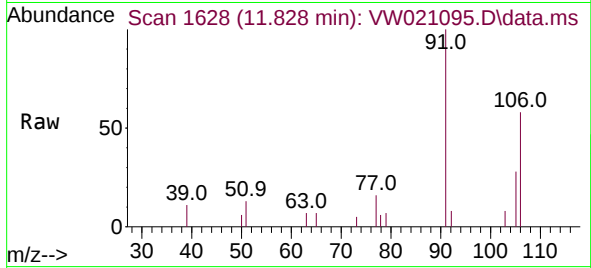




#53
m,p-Xylene
Concen: 1.291 ug/L
RT: 11.828 min Scan# 1628
Delta R.T. -0.013 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

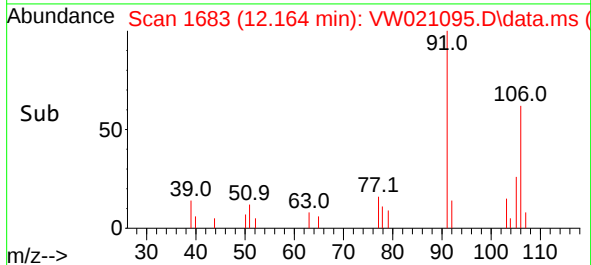
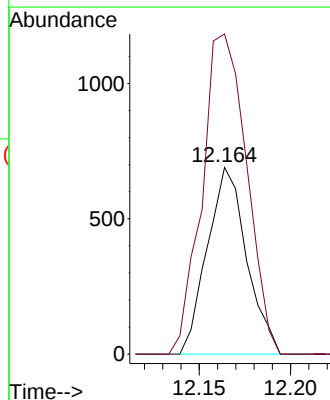
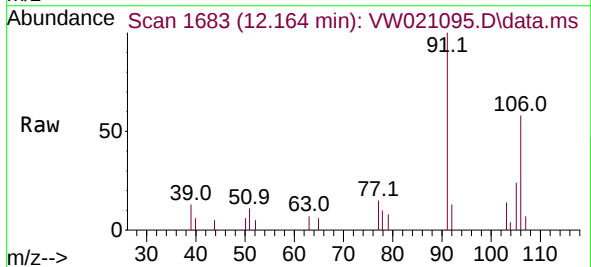
Instrument :
MSVOA_W
ClientSampleId :

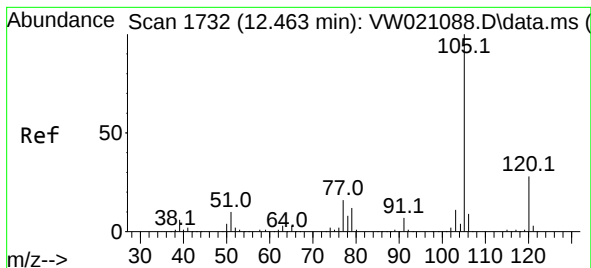
Tgt Ion:106 Resp: 1068
Ion Ratio Lower Upper
106 100
91 173.5 149.9 278.3



#54
o-Xylene
Concen: 1.323 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

Tgt Ion:106 Resp: 1032
Ion Ratio Lower Upper
106 100
91 171.4 153.6 285.3





#60

Isopropylbenzene

Concen: 0.693 ug/L

RT: 12.463 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021095.D

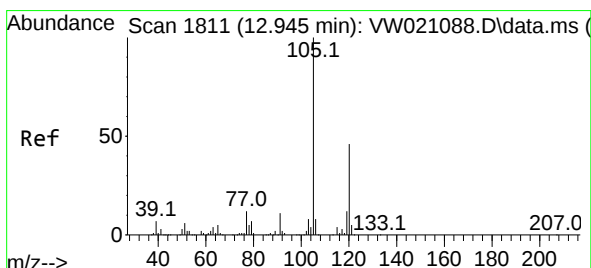
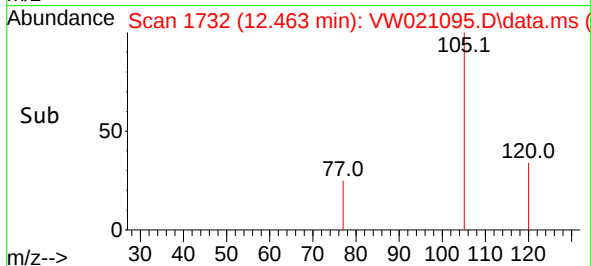
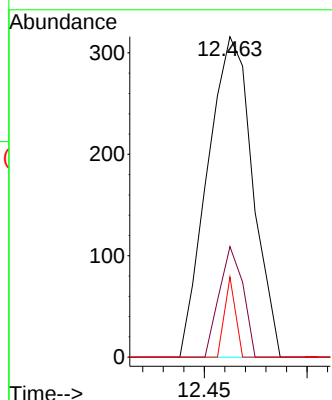
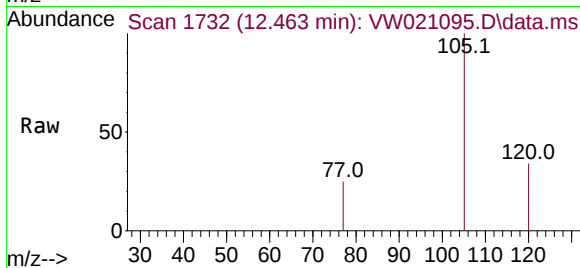
Acq: 04 Dec 2021 04:28

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:105	Resp:	482
Ion	Ratio	Lower Upper
105	100	
120	18.0	20.1 30.1#
77	0.0	13.8 20.8#



#62

1,3,5-Trimethylbenzene

Concen: 1.383 ug/L

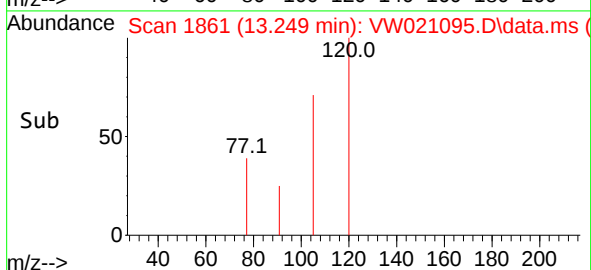
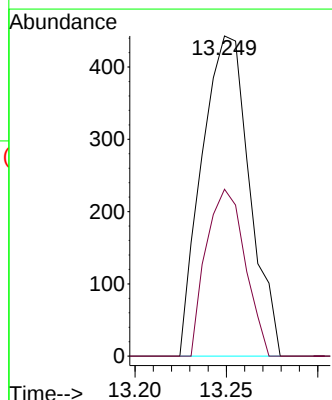
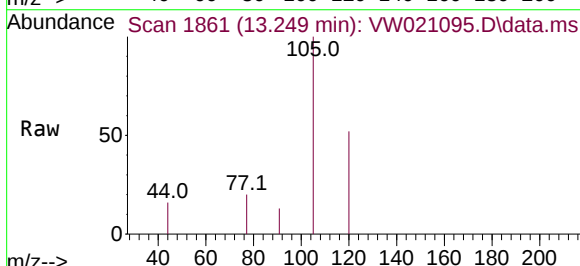
RT: 13.249 min Scan# 1861

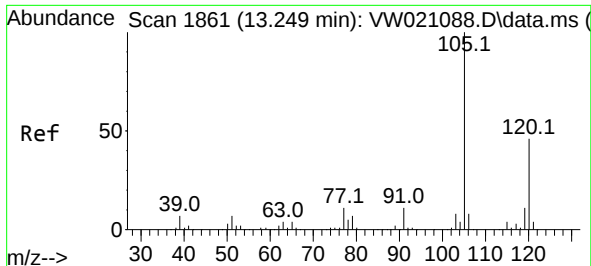
Delta R.T. 0.304 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Tgt Ion:105	Resp:	805
Ion	Ratio	Lower Upper
105	100	
120	42.5	37.4 56.2

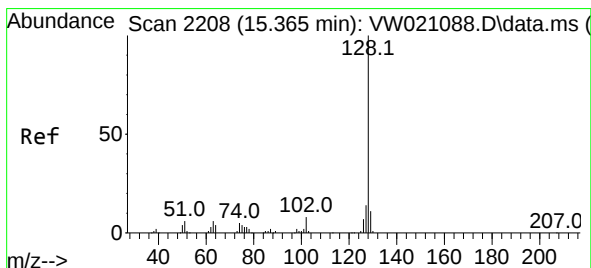
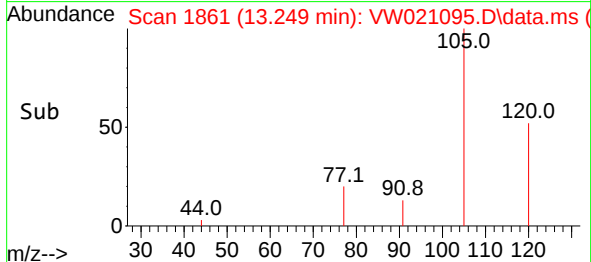
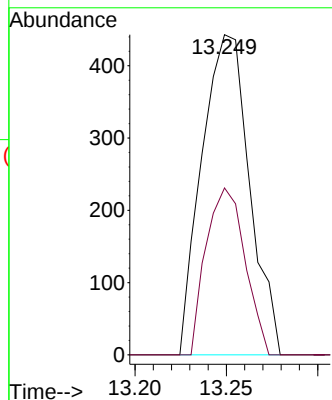
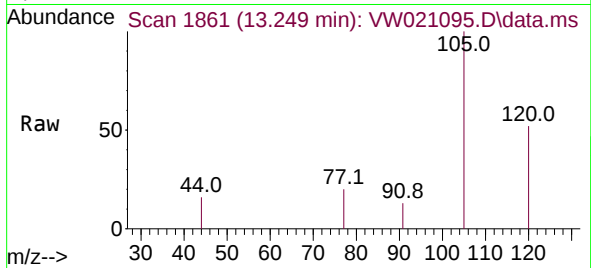




#63
1,2,4-Trimethylbenzene
Concen: 1.375 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 805
Ion Ratio Lower Upper
105 100
120 42.5 35.0 52.6



#71
Naphthalene
Concen: 5.579 ug/L
RT: 15.358 min Scan# 2207
Delta R.T. -0.007 min
Lab File: VW021095.D
Acq: 04 Dec 2021 04:28

Tgt Ion:128 Resp: 2050
Ion Ratio Lower Upper
128 100
127 10.8 10.7 16.1
129 7.0 8.6 12.8#

