

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021031.D
 Acq On : 02 Dec 2021 07:53
 Operator : SY/VA
 Sample : M4881-19
 Misc : 4.88g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 03 00:23:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	54354	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	19376	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2492	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	19217	30.480	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 121.920%	
7) Chloroethane-d5	2.885	69	14491	35.637	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 142.560%	
11) 1,1-Dichloroethene-d2	4.019	63	20845	17.088	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 68.360%	
21) 2-Butanone-d5	7.080	46	9391	59.676	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 119.360%	
24) Chloroform-d	7.647	84	42079	30.725	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 122.880%	
26) 1,2-Dichloroethane-d4	8.305	65	19218	27.646	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 110.600%	
32) Benzene-d6	8.275	84	65539	64.178	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 256.720%#	
36) 1,2-Dichloropropane-d6	9.274	67	21984	75.598	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 302.400%#	
41) Toluene-d8	10.323	98	37518	37.015	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 148.040%#	
43) trans-1,3-Dichloroprop...	10.579	79	3114	22.655	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 90.640%	
47) 2-Hexanone-d5	10.926	63	4927	102.157	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 204.320%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	9863	44.275	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 177.080%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	2361	26.582	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 106.320%	
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	1210	8.612	ug/L	81
22) 2-Butanone	7.147	43	2993	15.679	ug/L #	52
27) 1,2-Dichloroethane	8.403	62	3910	4.858	ug/L #	93
29) Cyclohexane	7.964	56	221	0.512	ug/L #	19
34) Trichloroethene	9.091	95	8374	27.290	ug/L	92
35) Methylcyclohexane	9.335	83	1857	3.671	ug/L #	67
37) 1,2-Dichloropropane	9.280	63	2866	11.225	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	411	0.975	ug/L #	27
40) 4-Methyl-2-pentanone	10.213	43	396	2.606	ug/L #	86
42) Toluene	10.390	91	8509	6.896	ug/L	90
45) 1,1,2-Trichloroethane	10.762	97	787	3.963	ug/L #	14
46) Tetrachloroethene	10.859	164	13107	46.521	ug/L	98
48) 2-Hexanone	10.933	43	1297	12.321	ug/L #	56
49) Dibromochloromethane	10.859	129	11764	42.971	ug/L #	10
52) Ethylbenzene	11.731	91	6446	4.714	ug/L	94
53) m,p-Xylene	11.835	106	9417	16.868	ug/L	98
54) o-Xylene	12.164	106	2929	5.463	ug/L	84
60) Isopropylbenzene	12.457	105	317	0.934	ug/L #	54
61) 1,2,3-Trichloropropane	12.603	75	535	14.636	ug/L #	71

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 07:10:34 2021
Response via : Initial Calibration

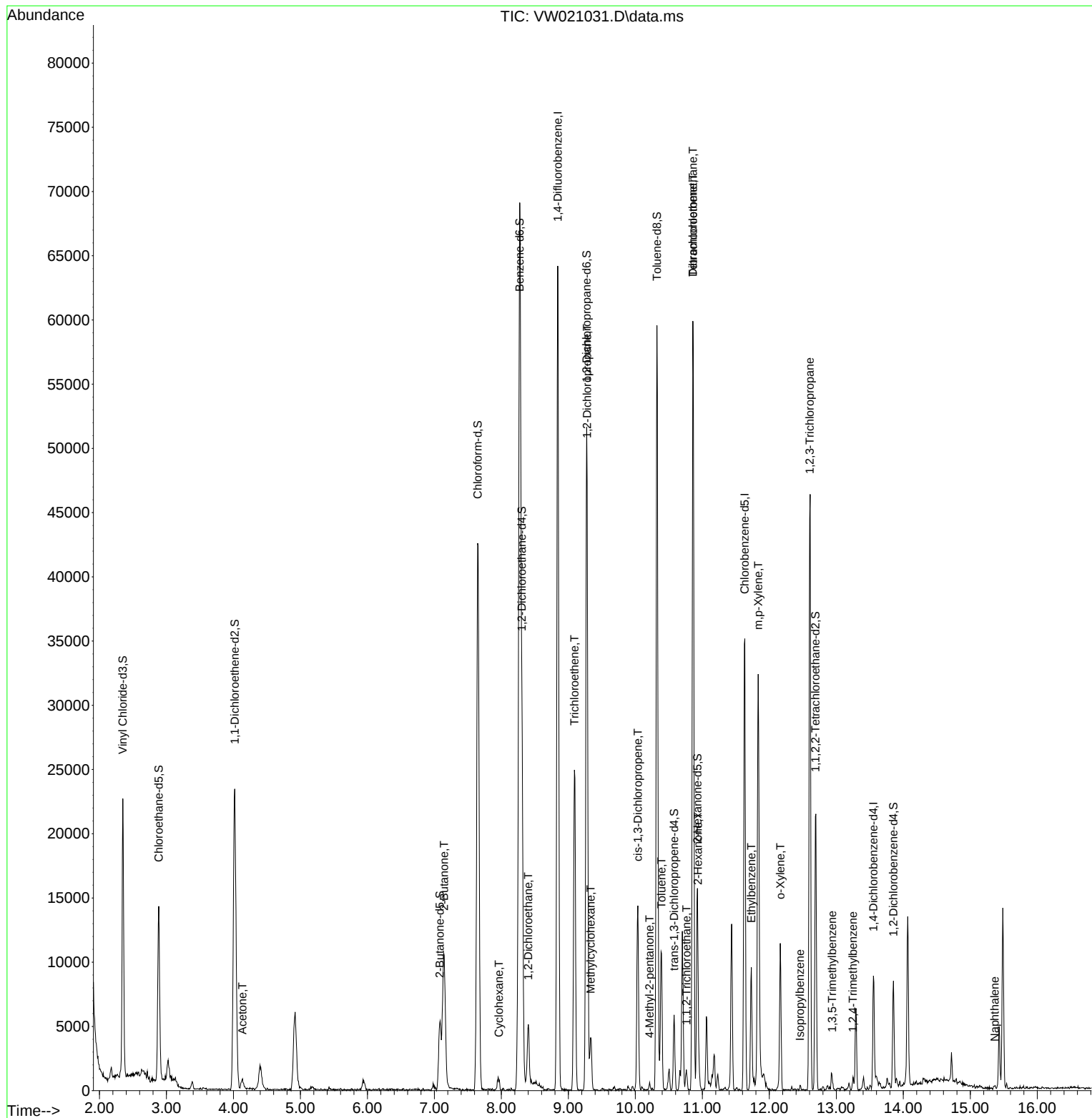
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.938	105	314	1.097	ug/L	90
63) 1,2,4-Trimethylbenzene	13.249	105	872	3.087	ug/L	87
71) Naphthalene	15.365	128	279	1.661	ug/L #	69

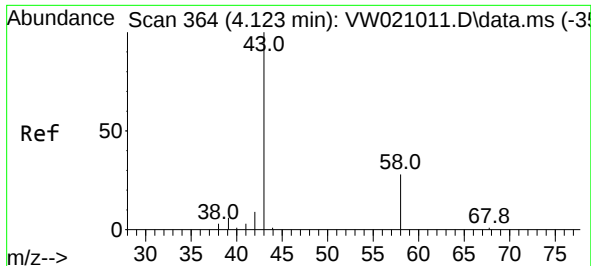
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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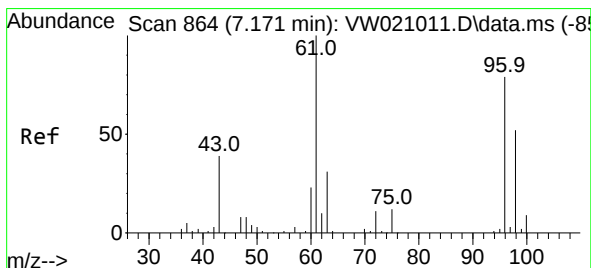
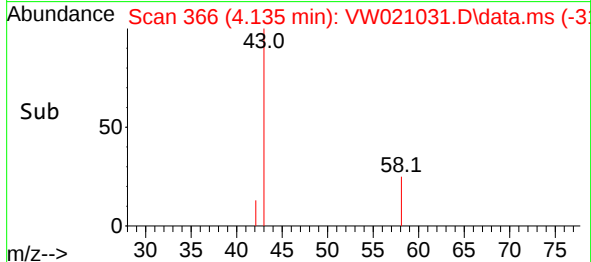
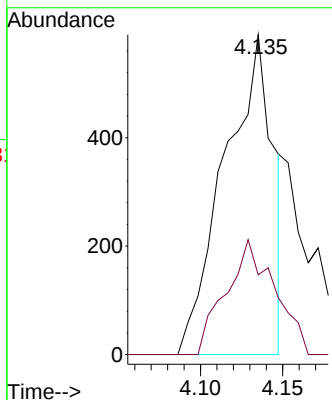
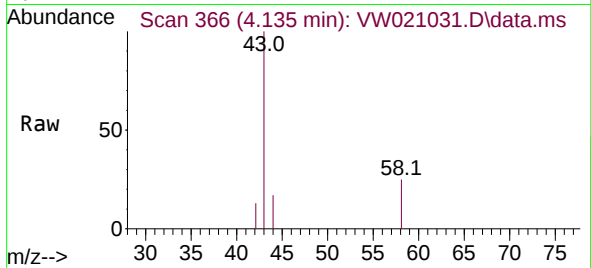




#13
Acetone
Concen: 8.612 ug/L
RT: 4.135 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

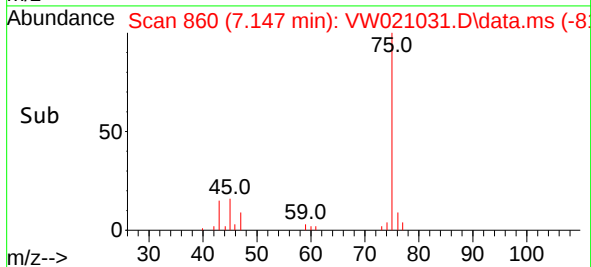
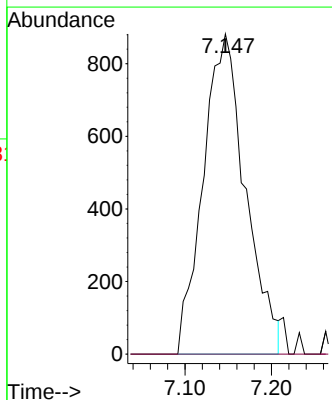
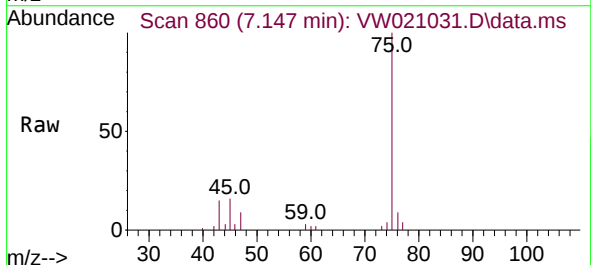
Instrument :
MSVOA_W
ClientSampleId :

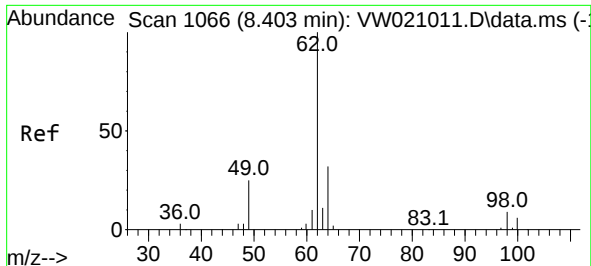
Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
58 36.1 0.0 52.8



#22
2-Butanone
Concen: 15.679 ug/L
RT: 7.147 min Scan# 860
Delta R.T. -0.025 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

Tgt Ion: 43 Resp: 2993
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 4.858 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021031.D

Acq: 02 Dec 2021 07:53

Instrument :

MSVOA_W

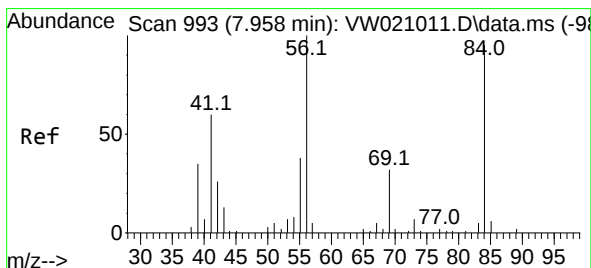
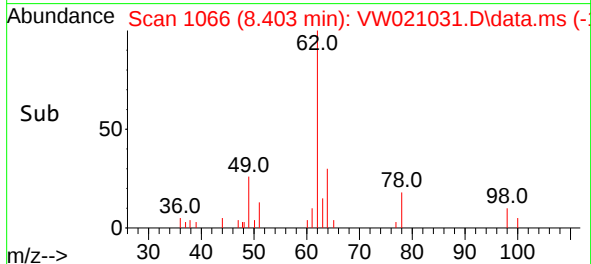
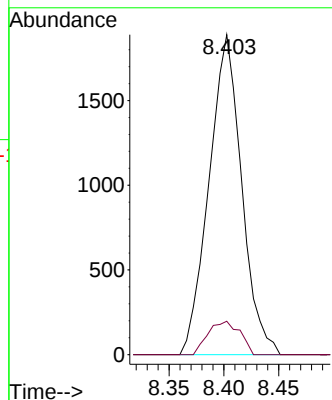
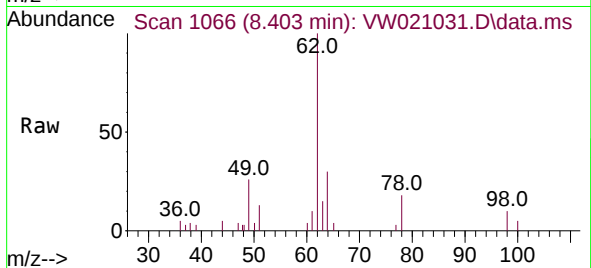
ClientSampleId :

Tgt Ion: 62 Resp: 3910

Ion Ratio Lower Upper

62 100

98 10.4 6.5 9.7#



#29

Cyclohexane

Concen: 0.512 ug/L

RT: 7.964 min Scan# 994

Delta R.T. 0.006 min

Lab File: VW021031.D

Acq: 02 Dec 2021 07:53

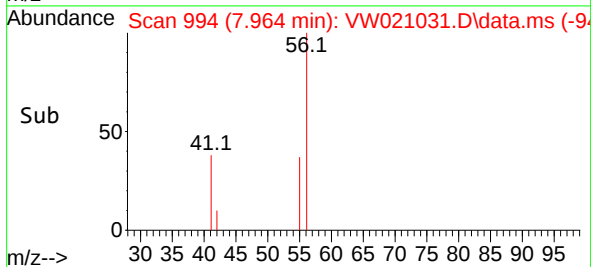
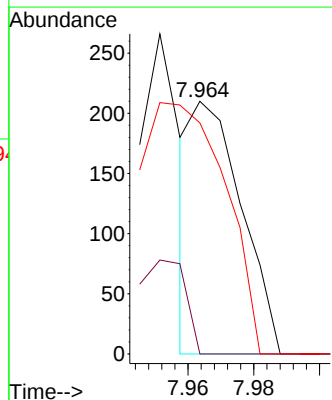
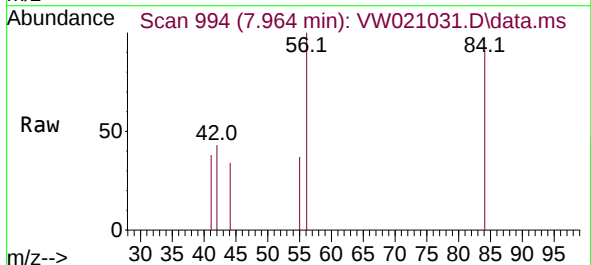
Tgt Ion: 56 Resp: 221

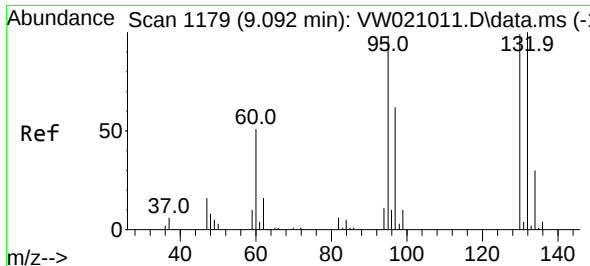
Ion Ratio Lower Upper

56 100

69 0.0 23.5 35.3#

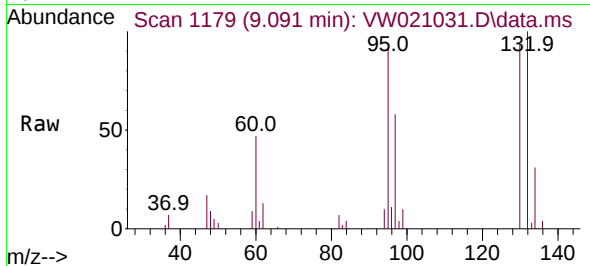
84 0.0 63.4 95.2#





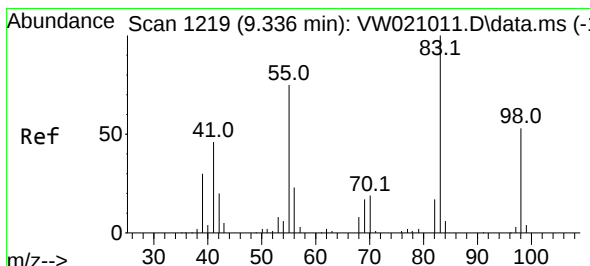
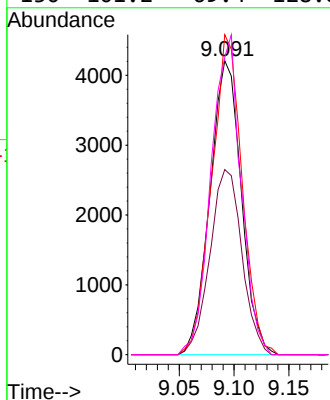
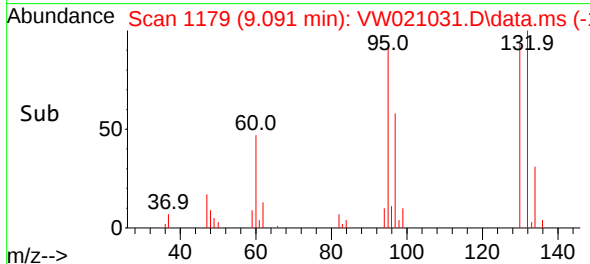
#34
Trichloroethene
Concen: 27.290 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

Instrument :
MSVOA_W
ClientSampleId :

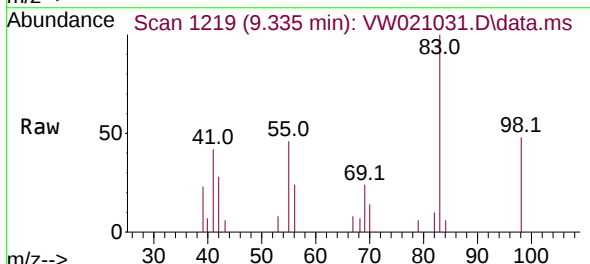


Tgt Ion: 95 Resp: 8374

Ion	Ratio	Lower	Upper
95	100		
97	63.0	47.0	87.2
132	108.9	65.5	121.6
130	101.2	69.4	128.8

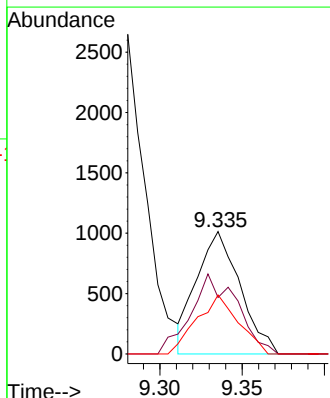
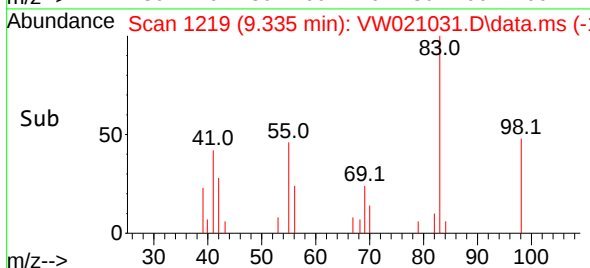


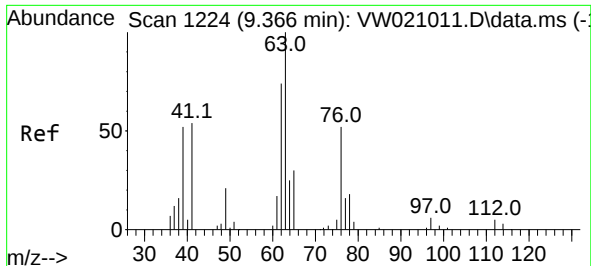
#35
Methylcyclohexane
Concen: 3.671 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53



Tgt Ion: 83 Resp: 1857

Ion	Ratio	Lower	Upper
83	100		
55	42.4	70.8	106.2#
98	46.3	37.7	56.5





#37

1,2-Dichloropropane

Concen: 11.225 ug/L

RT: 9.280 min Scan# 11

Delta R.T. -0.086 min

Lab File: VW021031.D

Acq: 02 Dec 2021 07:53

Instrument :

MSVOA_W

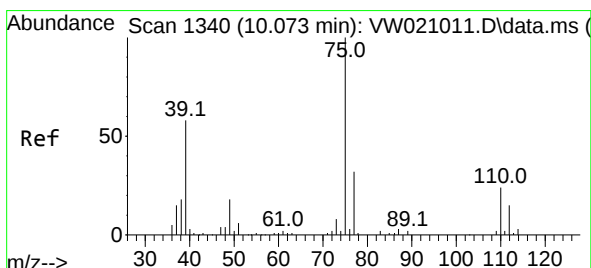
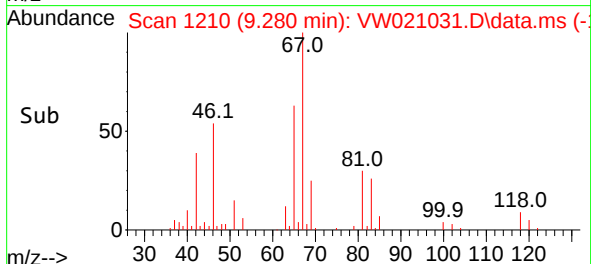
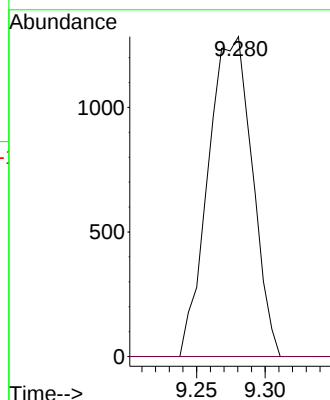
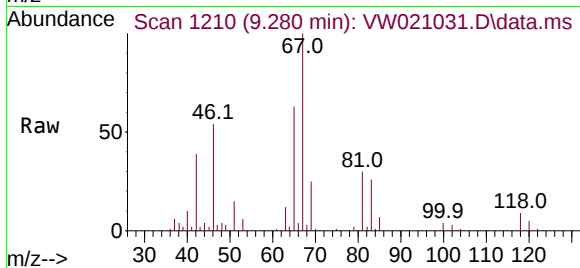
ClientSampleId :

Tgt Ion: 63 Resp: 2866

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.975 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021031.D

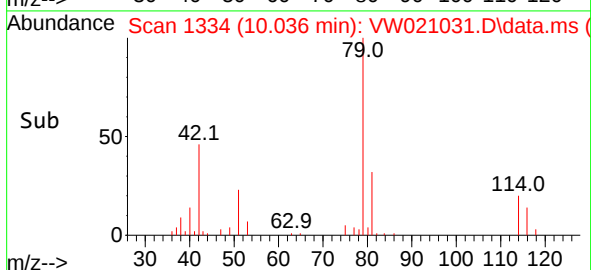
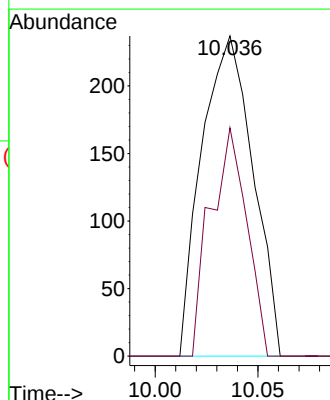
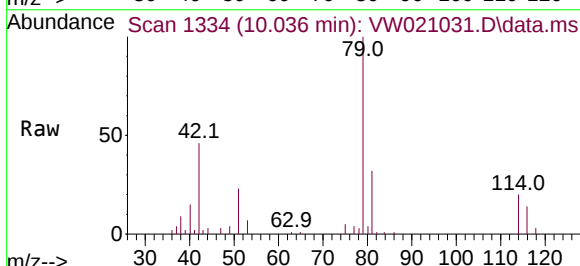
Acq: 02 Dec 2021 07:53

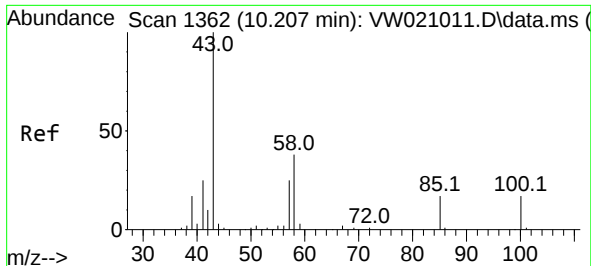
Tgt Ion: 75 Resp: 411

Ion Ratio Lower Upper

75 100

77 71.3 21.8 40.6#

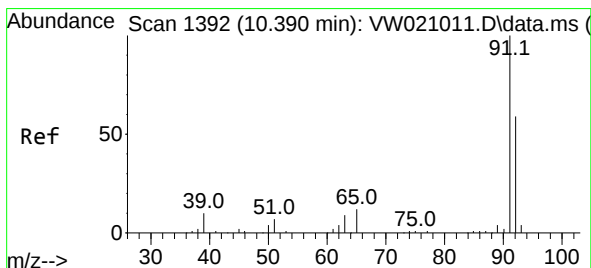
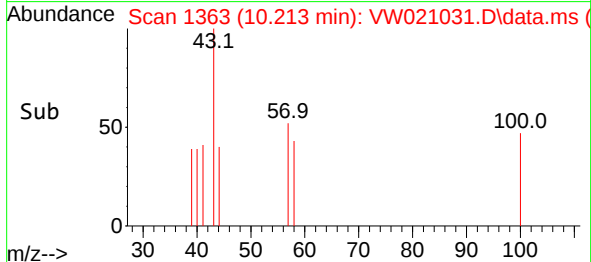
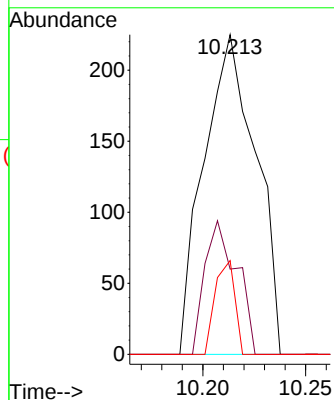
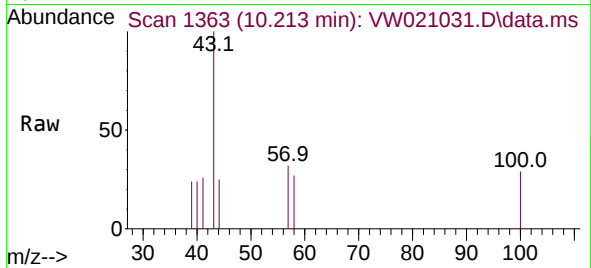




#40
4-Methyl-2-pentanone
Concen: 2.606 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

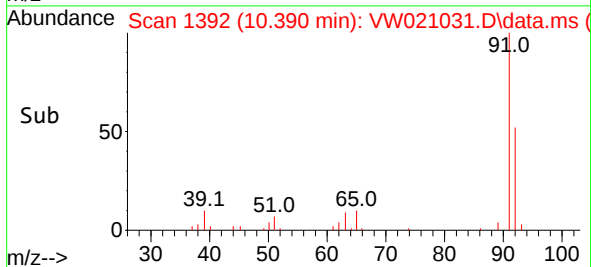
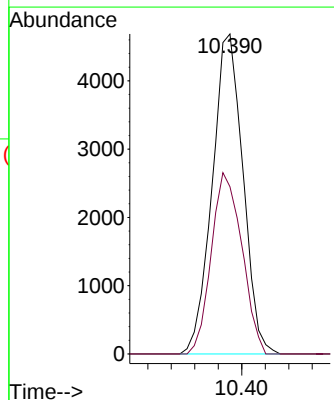
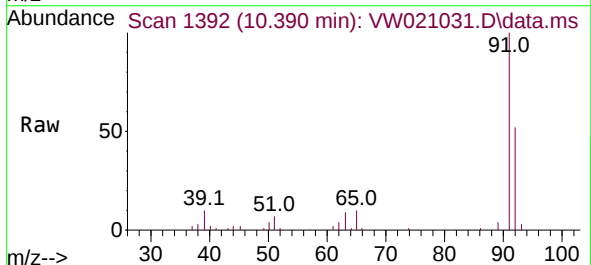
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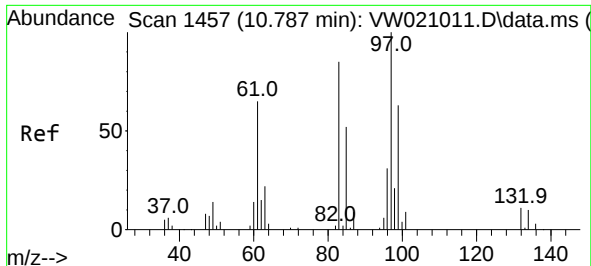
Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
58 25.8 28.8 43.2#
100 11.1 10.0 15.0



#42
Toluene
Concen: 6.896 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

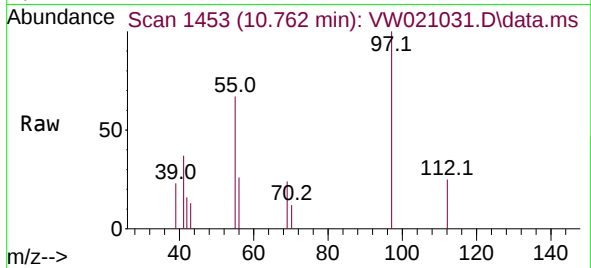
Tgt Ion: 91 Resp: 8509
Ion Ratio Lower Upper
91 100
92 52.3 41.7 77.5



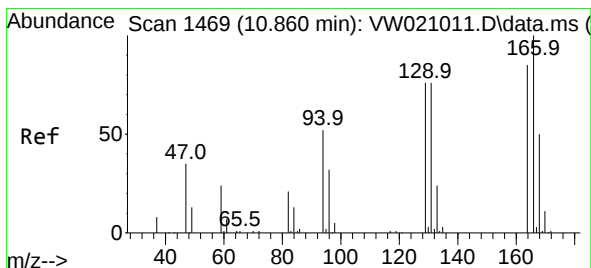
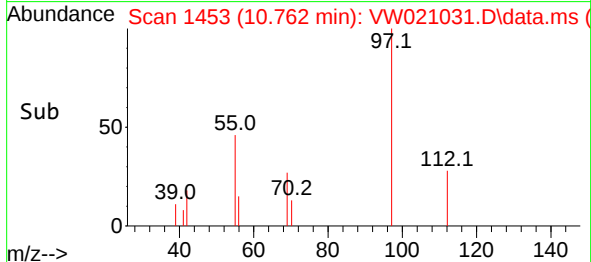
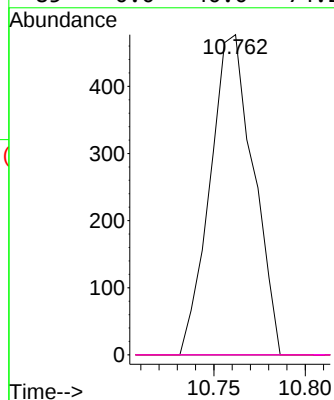


#45
1,1,2-Trichloroethane
Concen: 3.963 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

Instrument :
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ClientSampleId :

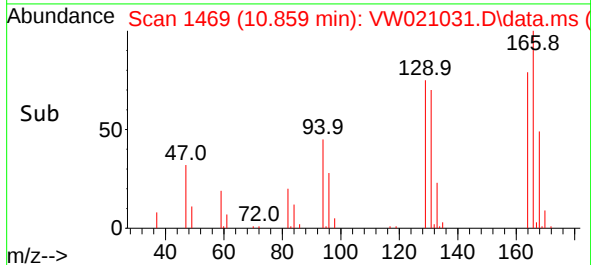
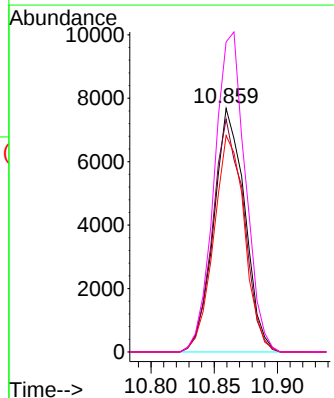
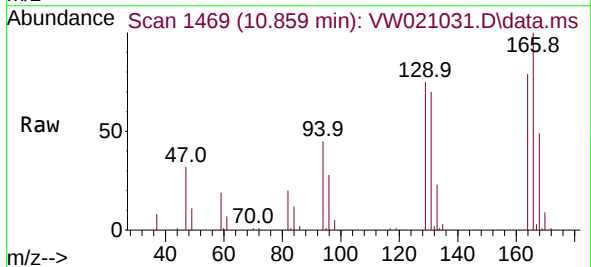


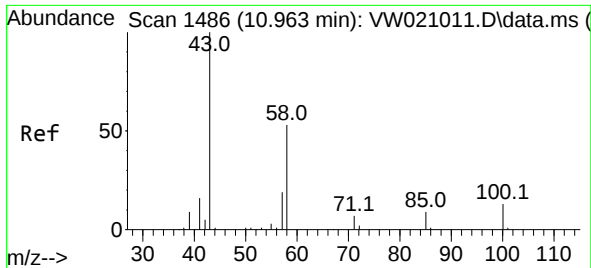
Tgt Ion: 97	Resp: 787
Ion Ratio	Lower Upper
97	100
99	0.0 43.0 79.8#
83	0.0 62.6 116.3#
85	0.0 40.0 74.2#



#46
Tetrachloroethene
Concen: 46.521 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

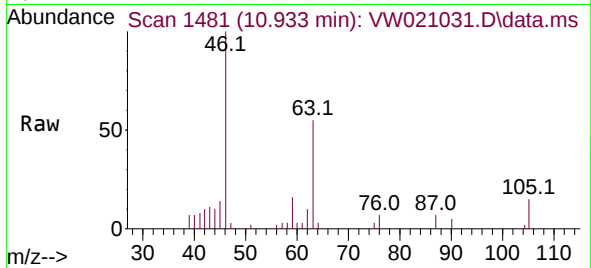
Tgt Ion: 164	Resp: 13107
Ion Ratio	Lower Upper
164	100
129	95.6 65.5 121.7
131	88.9 59.7 110.9
166	127.3 88.7 164.7



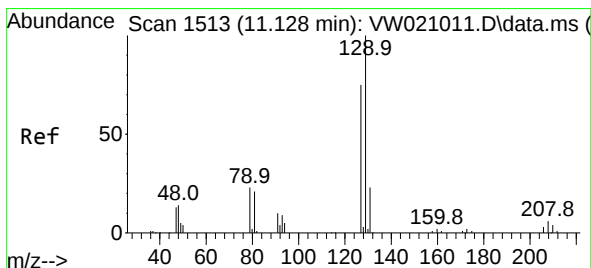
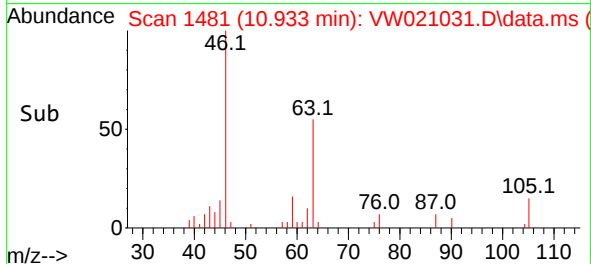
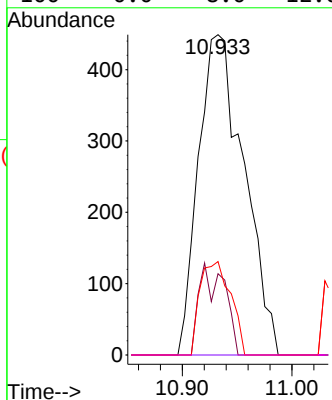


#48
2-Hexanone
Concen: 12.321 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.031 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

Instrument :
MSVOA_W
ClientSampleId :

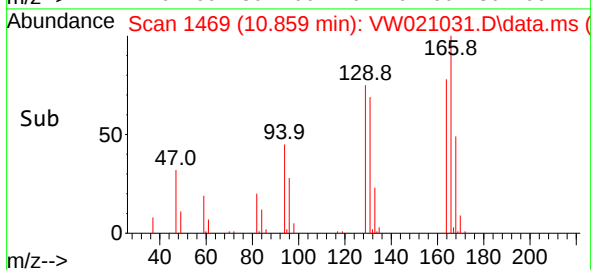
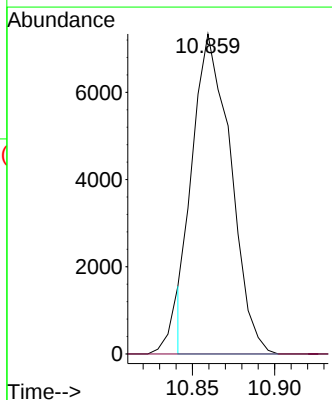
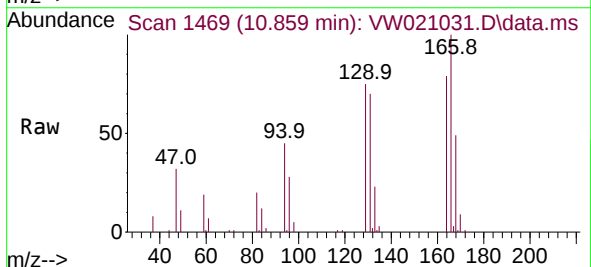


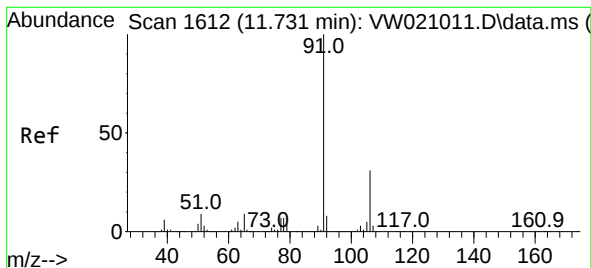
Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
58 7.9 40.2 60.2#
57 19.7 14.3 21.5
100 0.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 42.971 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

Tgt Ion: 129 Resp: 11764
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

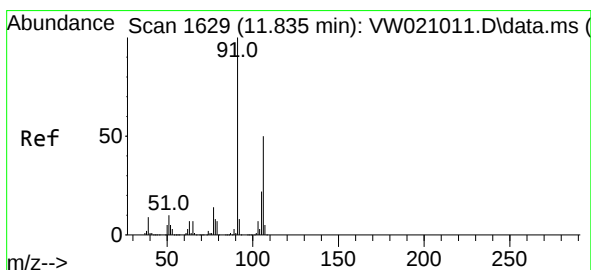
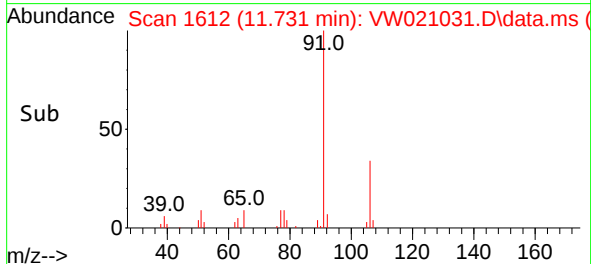
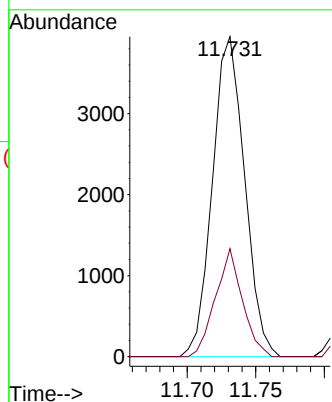
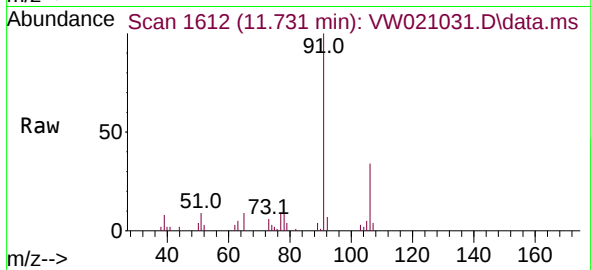




#52
Ethylbenzene
Concen: 4.714 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

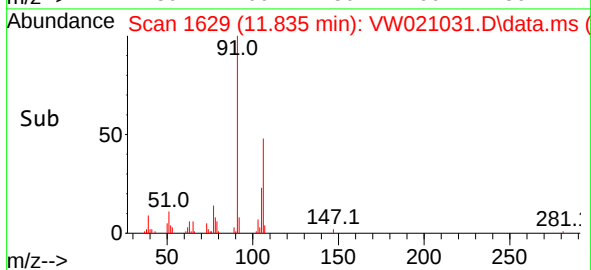
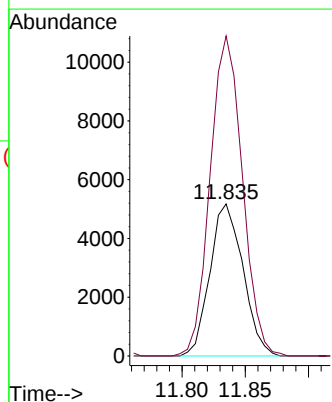
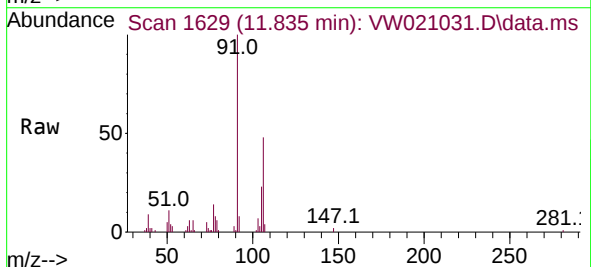
Instrument :
MSVOA_W
ClientSampleId :

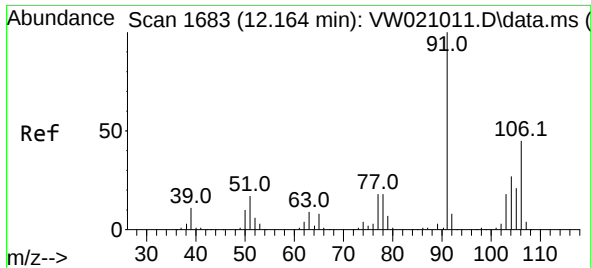
Tgt Ion: 91 Resp: 6446
Ion Ratio Lower Upper
91 100
106 33.7 21.5 39.9



#53
m,p-Xylene
Concen: 16.868 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

Tgt Ion: 106 Resp: 9417
Ion Ratio Lower Upper
106 100
91 210.5 149.9 278.3

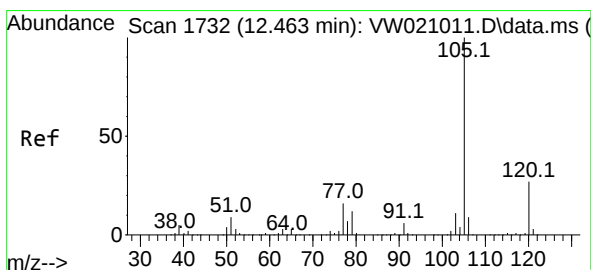
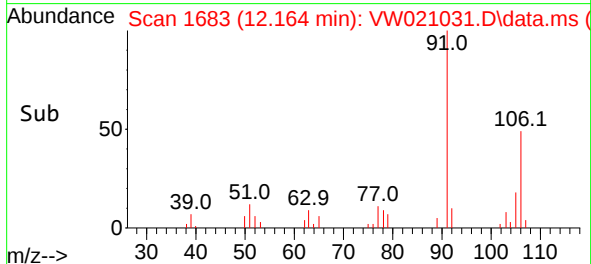
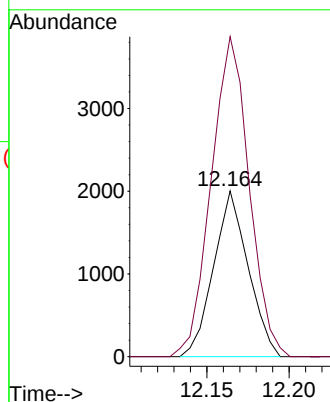
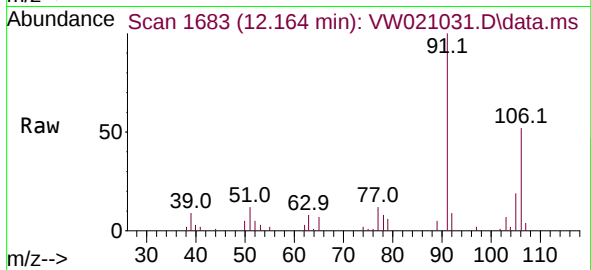




#54
o-Xylene
Concen: 5.463 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

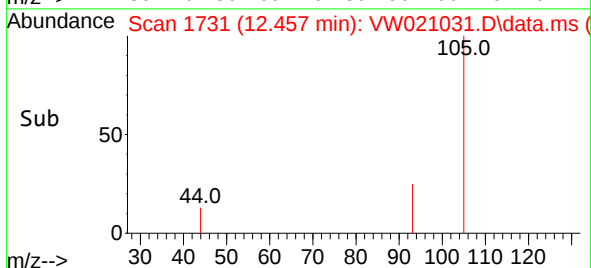
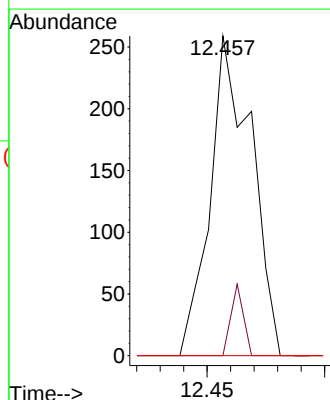
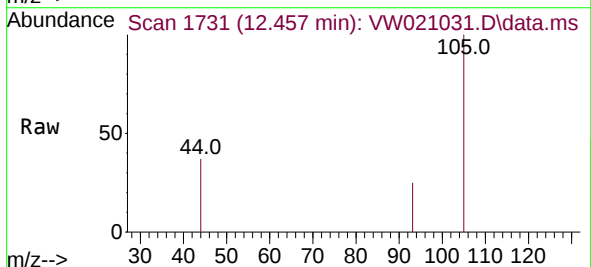
Instrument :
MSVOA_W
ClientSampleId :

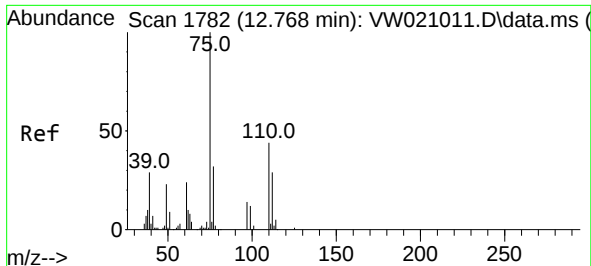
Tgt Ion:106 Resp: 2929
Ion Ratio Lower Upper
106 100
91 193.0 153.6 285.3



#60
Isopropylbenzene
Concen: 0.934 ug/L
RT: 12.457 min Scan# 1731
Delta R.T. -0.006 min
Lab File: VW021031.D
Acq: 02 Dec 2021 07:53

Tgt Ion:105 Resp: 317
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 0.0 13.8 20.8#





#61

1,2,3-Trichloropropane

Concen: 14.636 ug/L

RT: 12.603 min Scan# 1

Delta R.T. -0.165 min

Lab File: VW021031.D

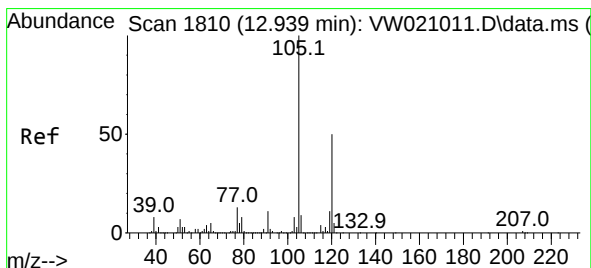
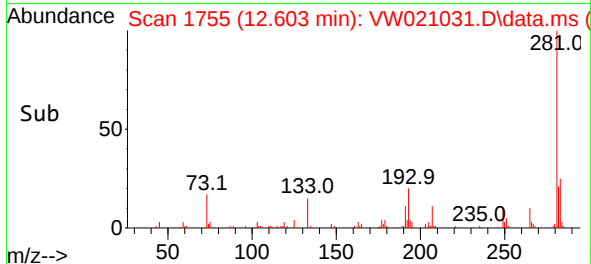
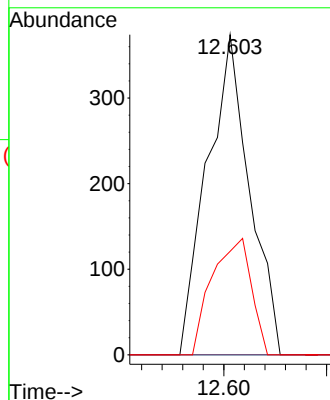
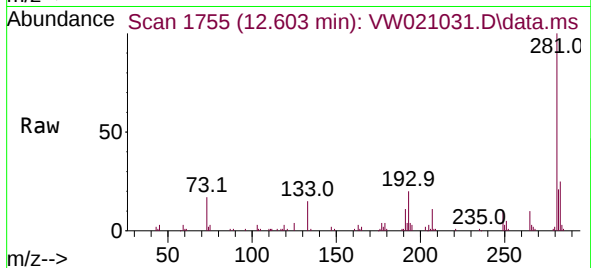
Acq: 02 Dec 2021 07:53

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp: 535
Ion Ratio	Lower Upper
75 100	
77 0.0	25.8 38.8#
110 33.8	29.0 43.4



#62

1,3,5-Trimethylbenzene

Concen: 1.097 ug/L

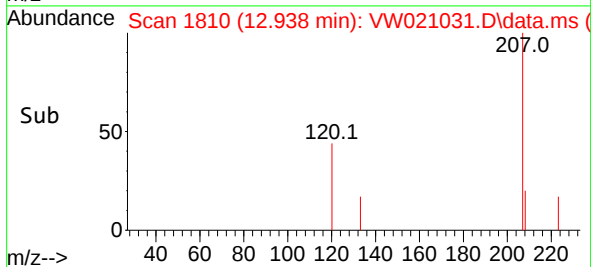
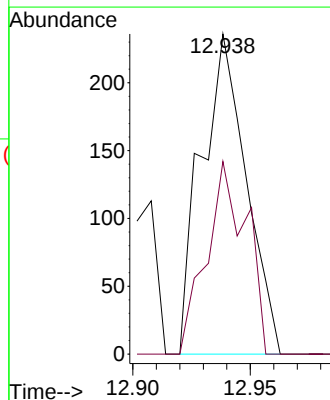
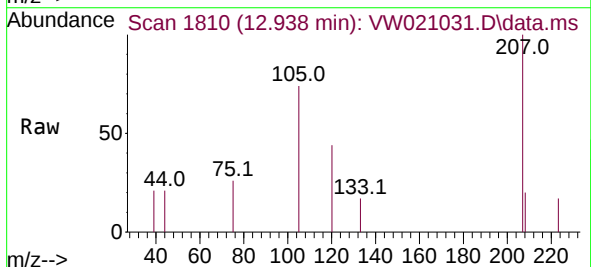
RT: 12.938 min Scan# 1810

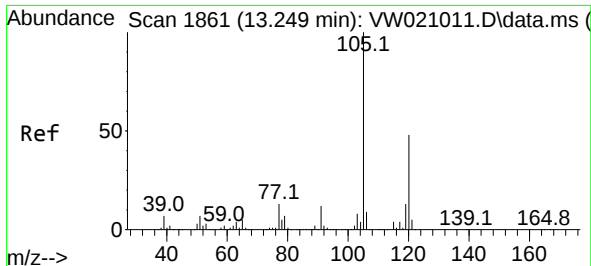
Delta R.T. -0.000 min

Lab File: VW021031.D

Acq: 02 Dec 2021 07:53

Tgt Ion: 105	Resp: 314
Ion Ratio	Lower Upper
105 100	
120 53.5	37.4 56.2





#63

1,2,4-Trimethylbenzene

Concen: 3.087 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021031.D

Acq: 02 Dec 2021 07:53

Instrument :

MSVOA_W

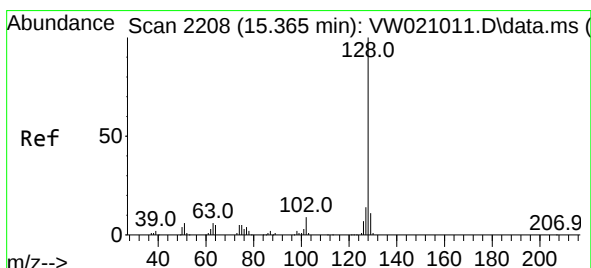
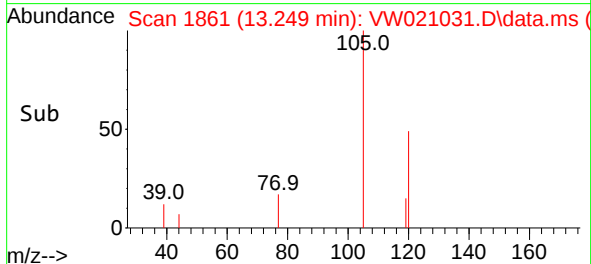
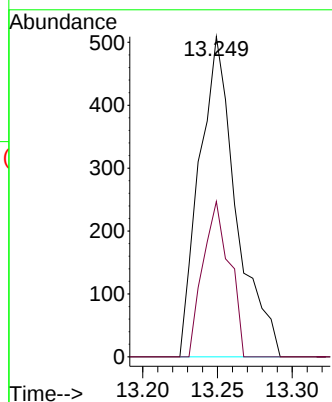
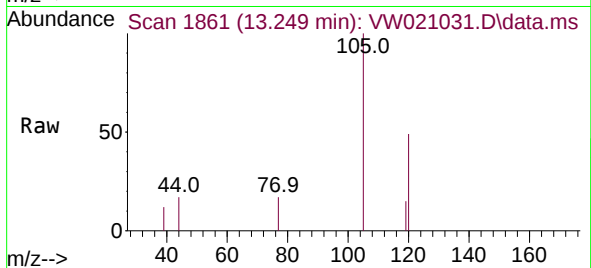
ClientSampleId :

Tgt Ion:105 Resp: 872

Ion Ratio Lower Upper

105 100

120 35.1 35.0 52.6



#71

Naphthalene

Concen: 1.661 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VW021031.D

Acq: 02 Dec 2021 07:53

Tgt Ion:128 Resp: 279

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.6 12.8#

