

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021030.D
 Acq On : 02 Dec 2021 07:29
 Operator : SY/VA
 Sample : M4881-18
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 03 00:23:33 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	8.842	114	80815	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	36569	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	4792	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	20484	21.852	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.400%
7) Chloroethane-d5	2.885	69	15629	25.851	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.400%
11) 1,1-Dichloroethene-d2	4.019	63	23962	13.212	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.840%
21) 2-Butanone-d5	7.080	46	10782	46.081	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.160%
24) Chloroform-d	7.647	84	49237	24.180	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.720%
26) 1,2-Dichloroethane-d4	8.305	65	23488	22.725	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.880%
32) Benzene-d6	8.275	84	81792	42.437	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	169.760%#
36) 1,2-Dichloropropane-d6	9.275	67	26281	47.885	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	191.520%#
41) Toluene-d8	10.323	98	56258	29.408	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.640%
43) trans-1,3-Dichloroprop...	10.579	79	5034	19.405	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.640%
47) 2-Hexanone-d5	10.927	63	6590	72.397	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	144.800%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	14044	33.403	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	133.600%#
66) 1,2-Dichlorobenzene-d4	13.853	152	3956	23.162	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.640%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	1113	5.328	ug/L	56
16) Methylene chloride	4.916	84	5338	4.736	ug/L	81
22) 2-Butanone	7.153	43	782	2.755	ug/L	# 52
27) 1,2-Dichloroethane	8.397	62	4275	3.572	ug/L	97
34) Trichloroethene	9.092	95	4910	8.478	ug/L	85
35) Methylcyclohexane	9.342	83	1436	1.504	ug/L	# 92
37) 1,2-Dichloropropane	9.275	63	3297	6.842	ug/L	# 88
39) cis-1,3-Dichloropropene	10.031	75	651	0.818	ug/L	# 62
42) Toluene	10.384	91	8240	3.538	ug/L	91
45) 1,1,2-Trichloroethane	10.762	97	1116	2.978	ug/L	# 14
46) Tetrachloroethene	10.860	164	4612	8.673	ug/L	96
48) 2-Hexanone	10.921	43	1410	7.097	ug/L	# 57
49) Dibromochloromethane	10.860	129	3932	7.610	ug/L	# 10
52) Ethylbenzene	11.731	91	7833	3.035	ug/L	97
53) m,p-Xylene	11.829	106	11930	11.323	ug/L	82
54) o-Xylene	12.164	106	3424	3.384	ug/L	99
60) Isopropylbenzene	12.469	105	361	0.553	ug/L	# 80
61) 1,2,3-Trichloropropane	12.603	75	533	7.583	ug/L	# 57
62) 1,3,5-Trimethylbenzene	12.945	105	334	0.607	ug/L	# 74

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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 03 00:23:33 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

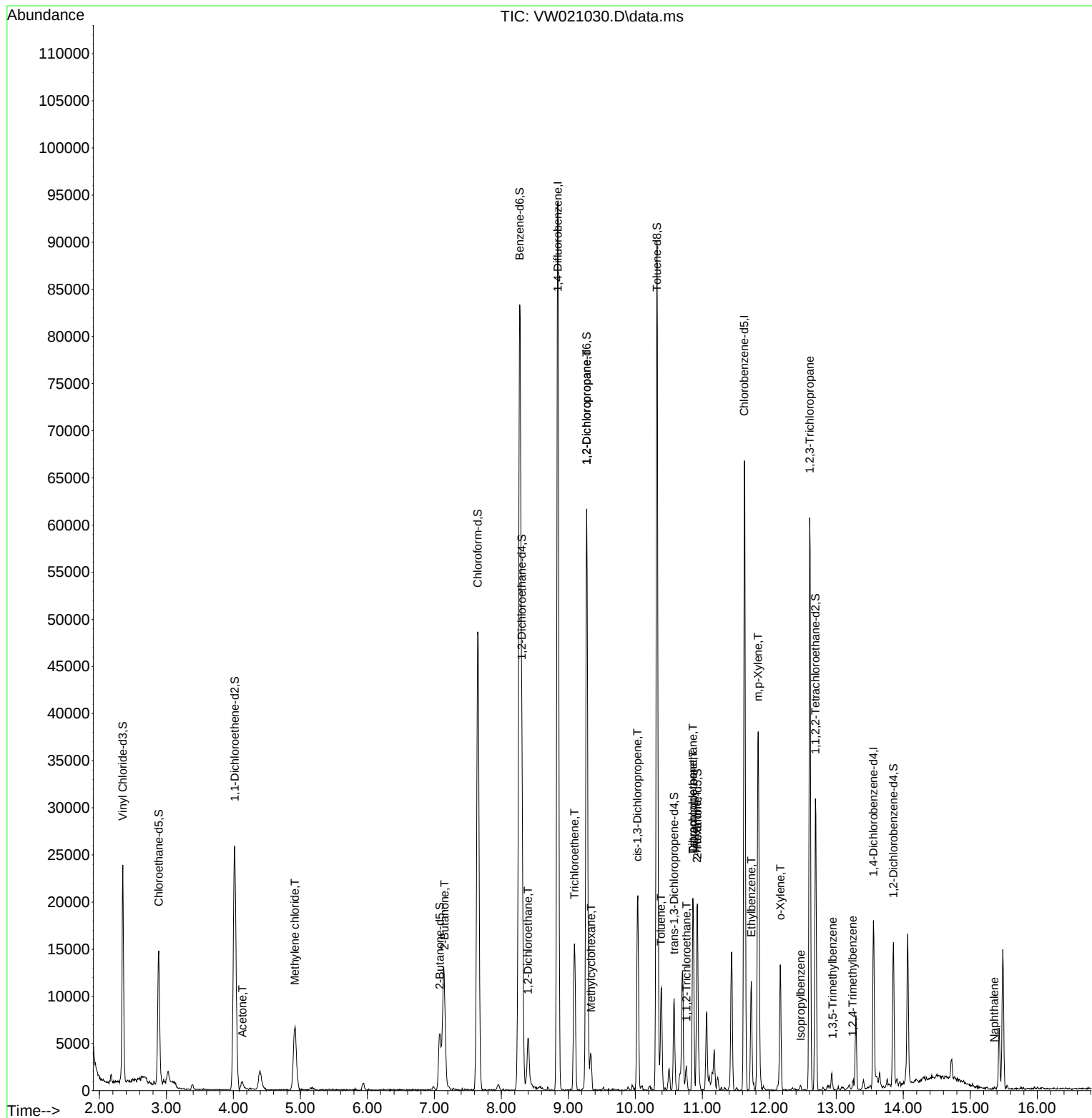
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.243	105	938	1.727	ug/L #	82
71) Naphthalene	15.359	128	242	0.749	ug/L #	69

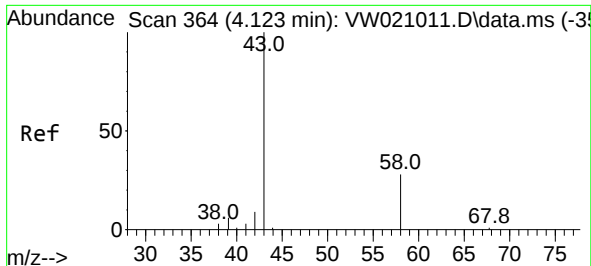
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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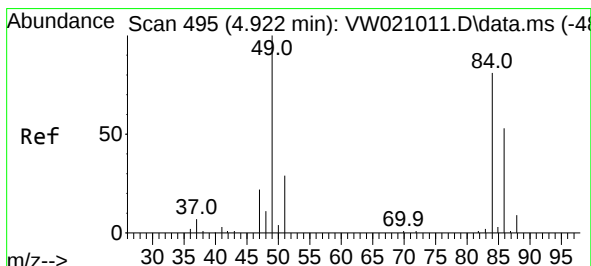
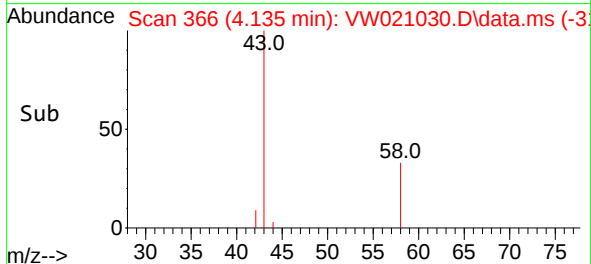
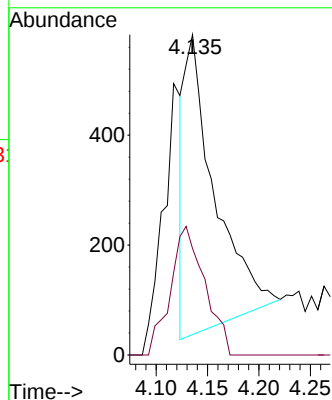
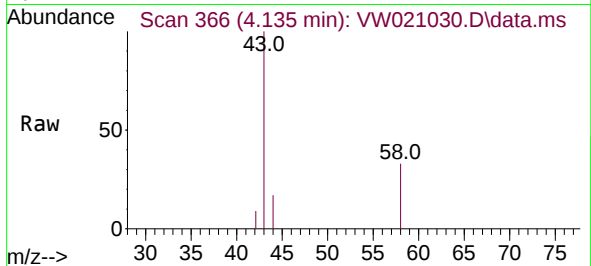




#13
Acetone
Concen: 5.328 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

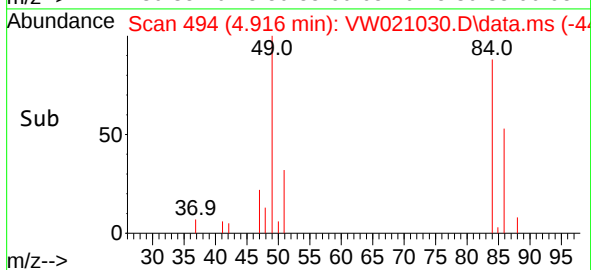
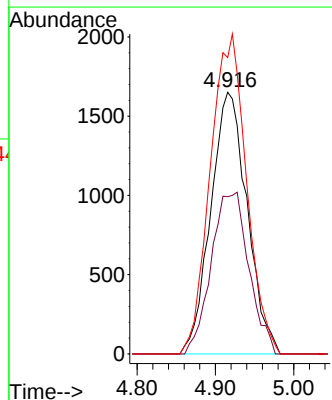
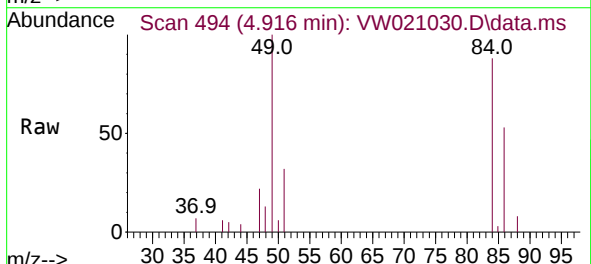
Instrument :
MSVOA_W
ClientSampleId :

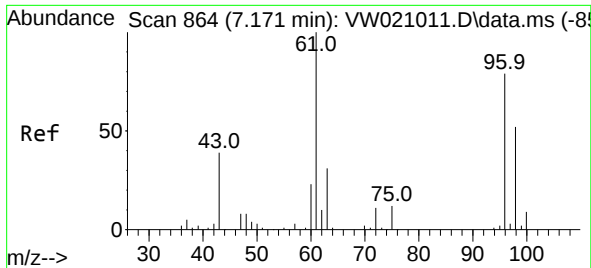
Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 49.0 0.0 52.8



#16
Methylene chloride
Concen: 4.736 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Tgt Ion: 84 Resp: 5338
Ion Ratio Lower Upper
84 100
86 60.1 45.5 84.5
49 113.3 100.5 186.7

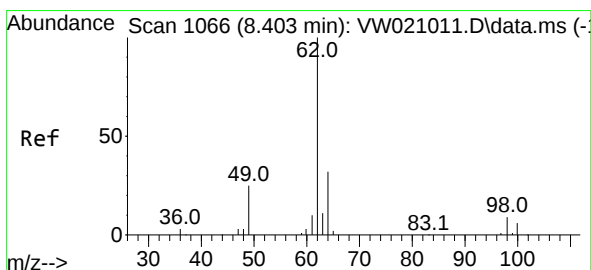
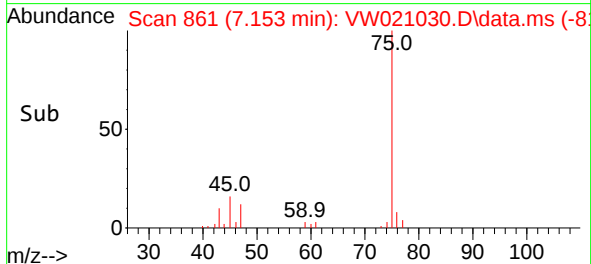
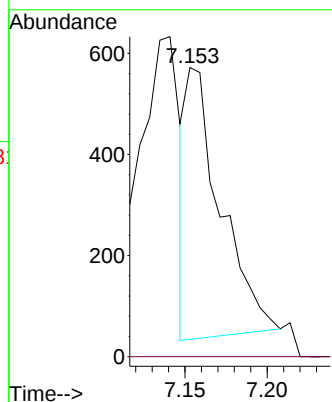
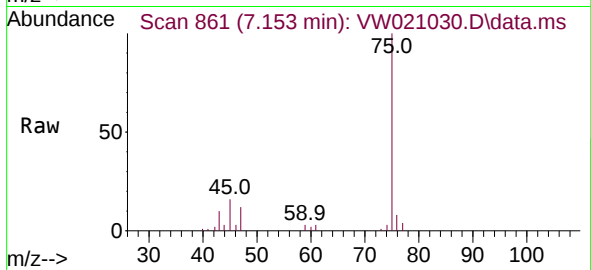




#22
2-Butanone
Concen: 2.755 ug/L
RT: 7.153 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

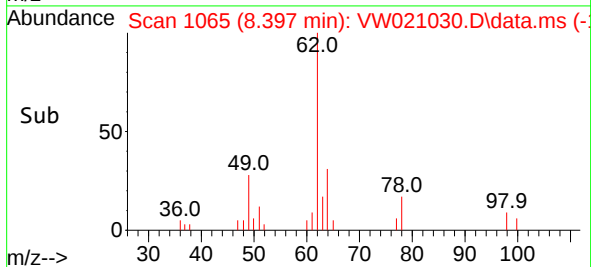
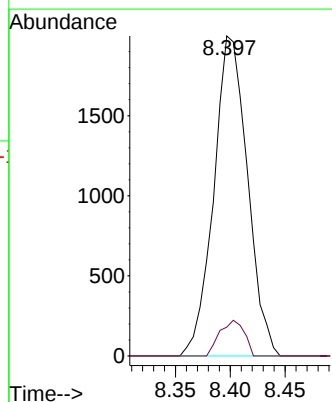
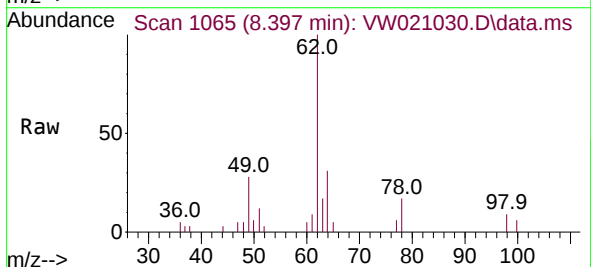
Instrument :
MSVOA_W
ClientSampleId :

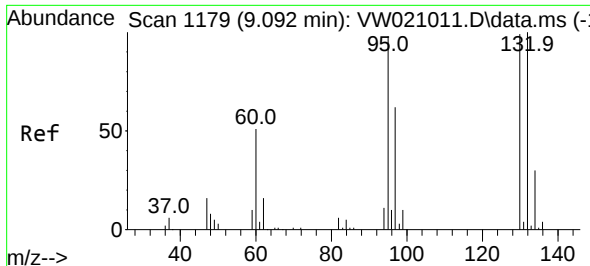
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 3.572 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

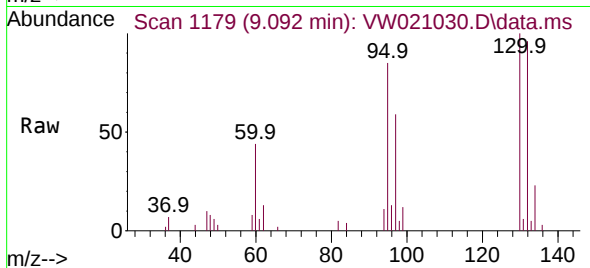
Tgt Ion: 62 Resp: 4275
Ion Ratio Lower Upper
62 100
98 9.0 6.5 9.7





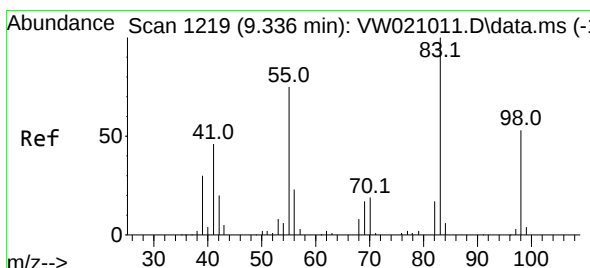
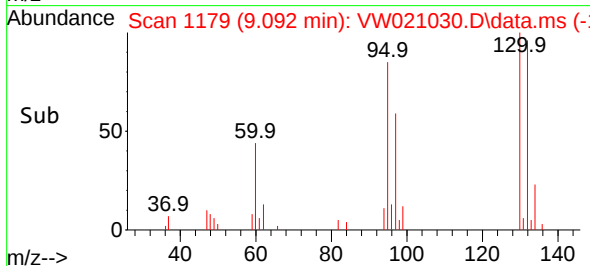
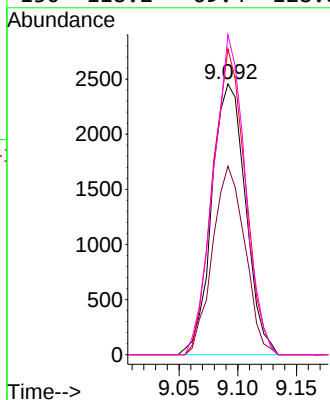
#34
Trichloroethene
Concen: 8.478 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 4910

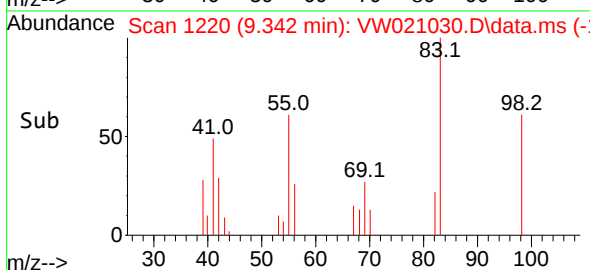
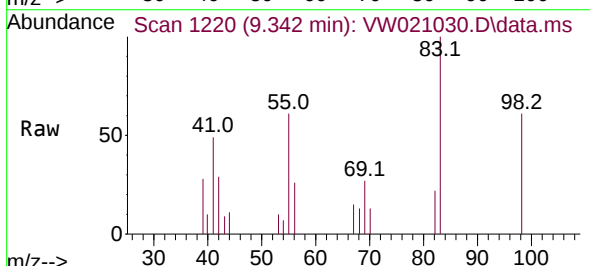
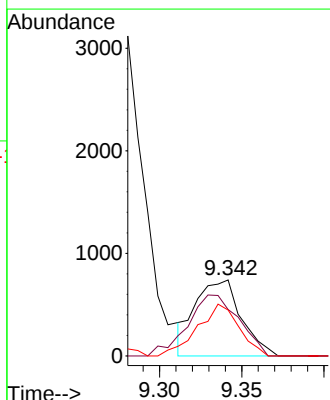
Ion	Ratio	Lower	Upper
95	100		
97	69.6	47.0	87.2
132	112.9	65.5	121.6
130	118.2	69.4	128.8

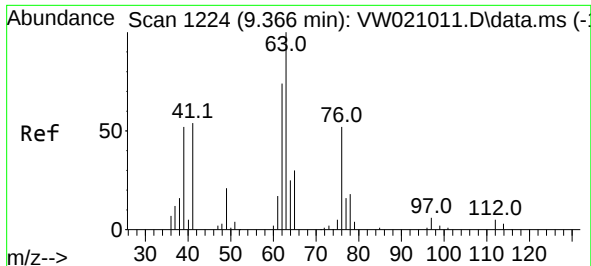


#35
Methylcyclohexane
Concen: 1.504 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Tgt Ion: 83 Resp: 1436

Ion	Ratio	Lower	Upper
83	100		
55	89.7	70.8	106.2
98	61.5	37.7	56.5





#37

1,2-Dichloropropane

Concen: 6.842 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.091 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Instrument :

MSVOA_W

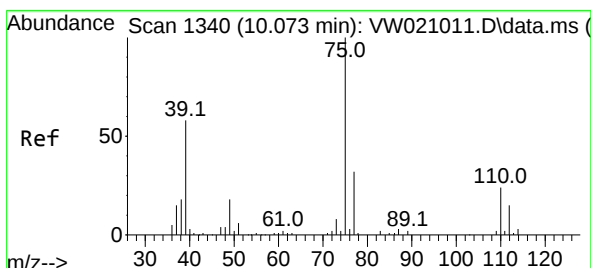
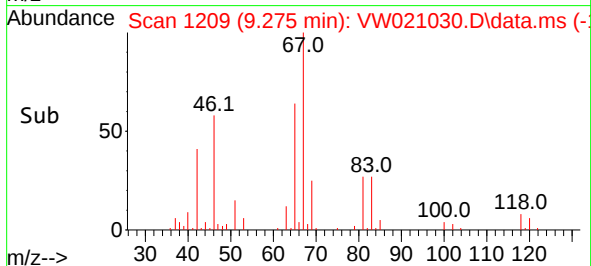
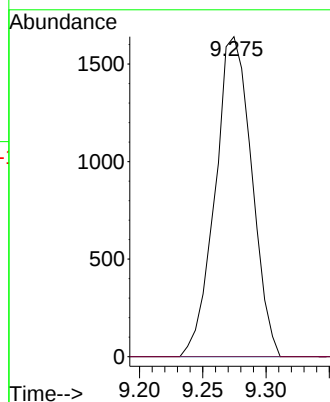
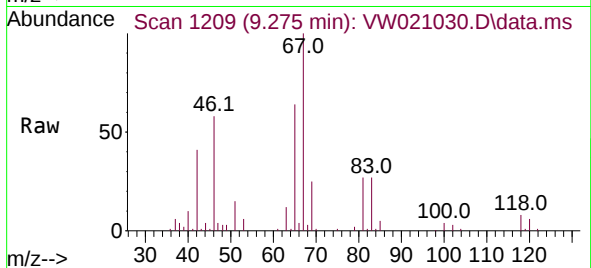
ClientSampleId :

Tgt Ion: 63 Resp: 3297

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.818 ug/L

RT: 10.031 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021030.D

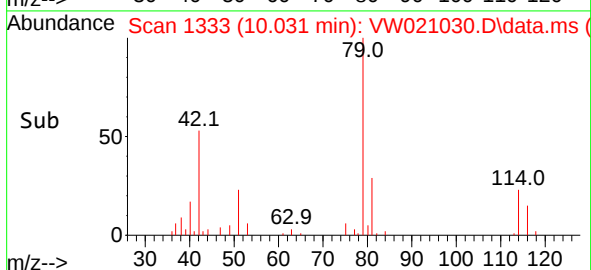
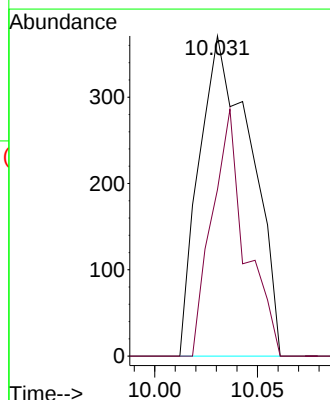
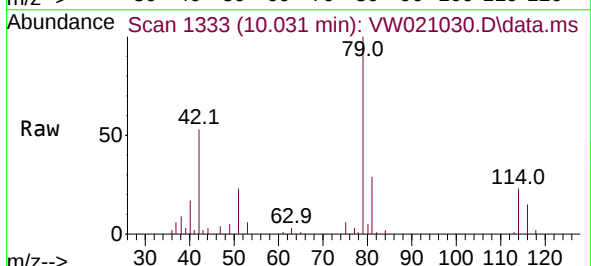
Acq: 02 Dec 2021 07:29

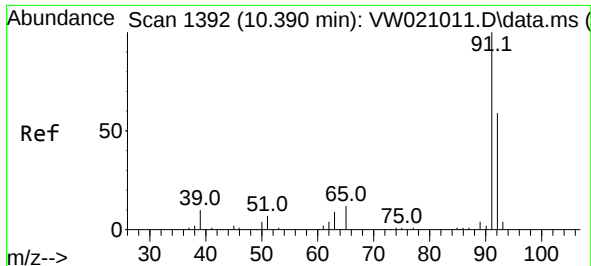
Tgt Ion: 75 Resp: 651

Ion Ratio Lower Upper

75 100

77 52.0 21.8 40.6#

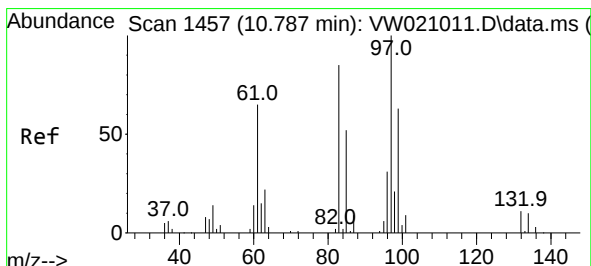
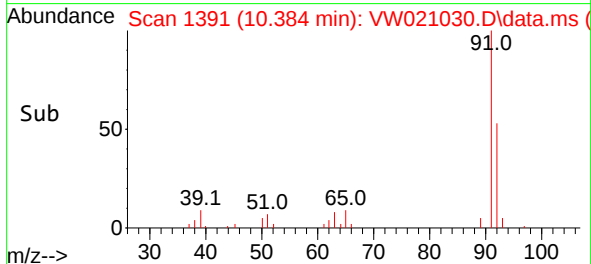
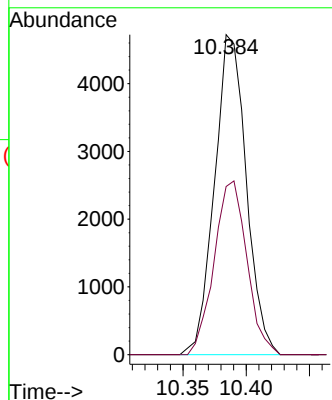
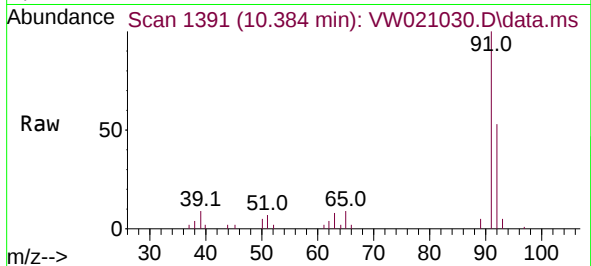




#42
Toluene
Concen: 3.538 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

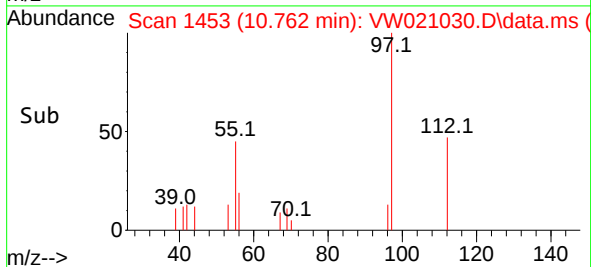
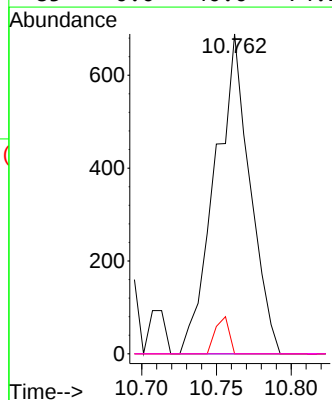
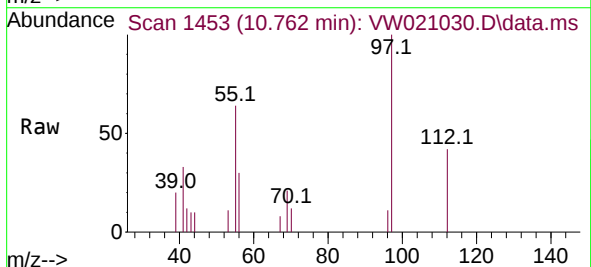
Instrument :
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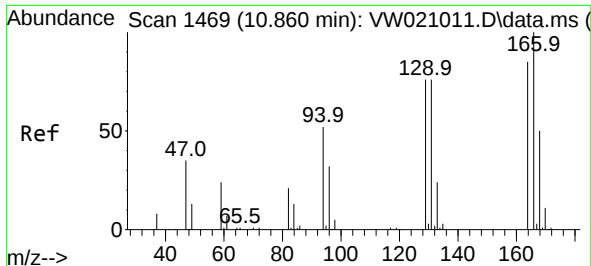
Tgt Ion: 91 Resp: 8240
Ion Ratio Lower Upper
91 100
92 52.6 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 2.978 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

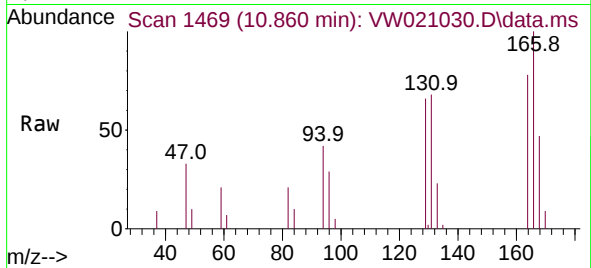
Tgt Ion: 97 Resp: 1116
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 0.0 62.6 116.3#
85 0.0 40.0 74.2#



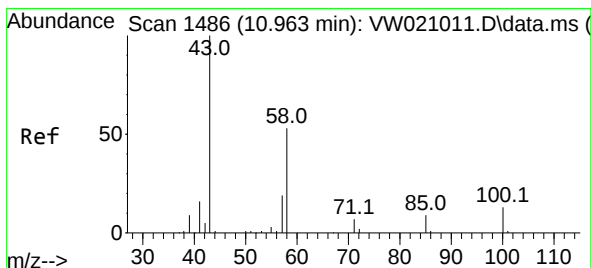
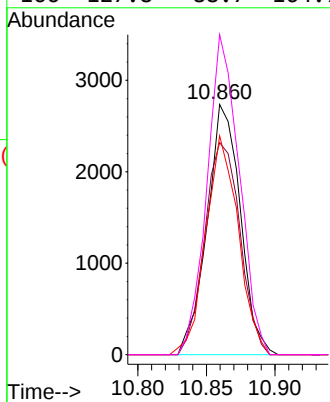
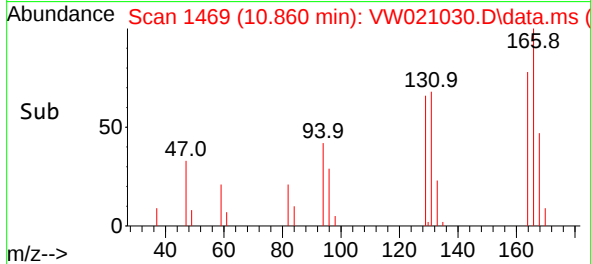


#46
Tetrachloroethene
Concen: 8.673 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

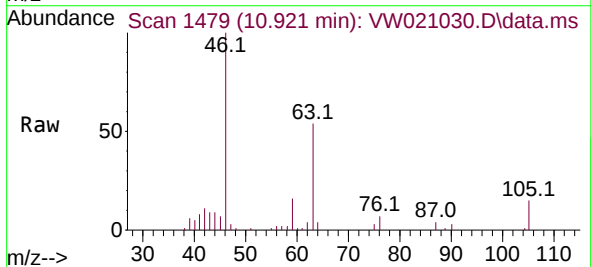
Instrument :
MSVOA_W
ClientSampled :



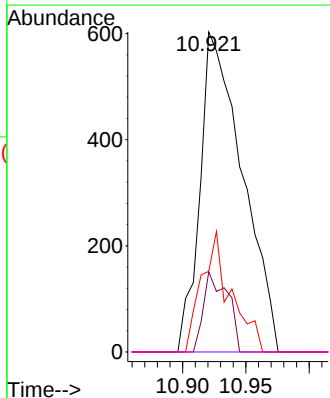
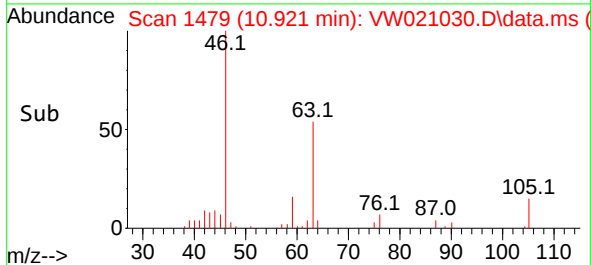
Tgt Ion:164 Resp: 4612
Ion Ratio Lower Upper
164 100
129 84.7 65.5 121.7
131 87.5 59.7 110.9
166 127.8 88.7 164.7

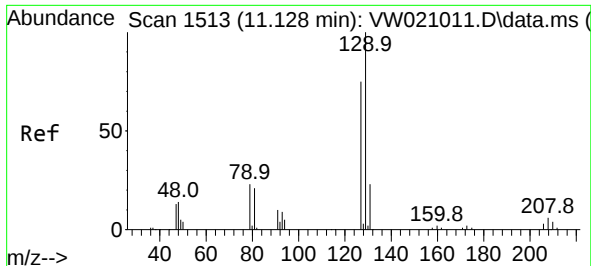


#48
2-Hexanone
Concen: 7.097 ug/L
RT: 10.921 min Scan# 1479
Delta R.T. -0.043 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29



Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
58 8.4 40.2 60.2#
57 18.1 14.3 21.5
100 0.0 8.0 12.0#





#49

Dibromochloromethane

Concen: 7.610 ug/L

RT: 10.860 min Scan# 14

Delta R.T. -0.268 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Instrument :

MSVOA_W

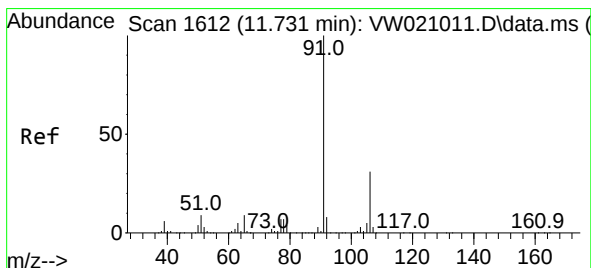
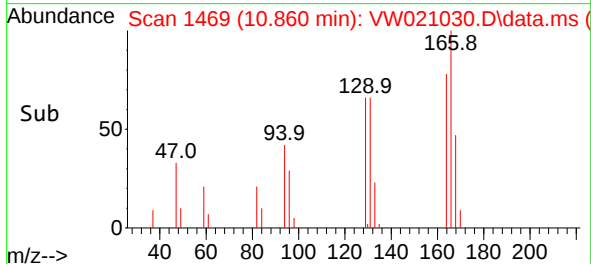
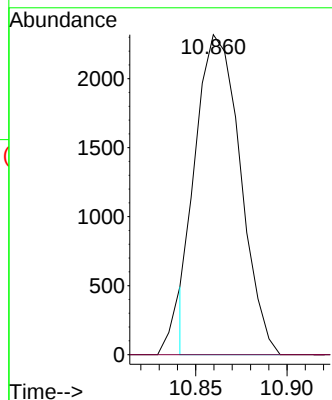
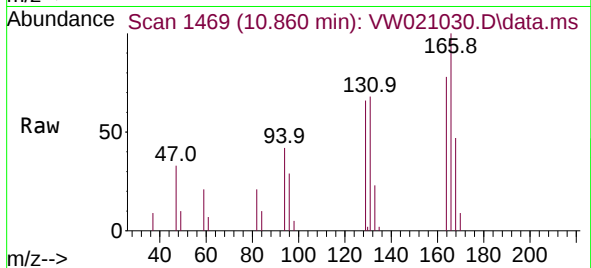
ClientSampleId :

Tgt Ion:129 Resp: 3932

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 3.035 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW021030.D

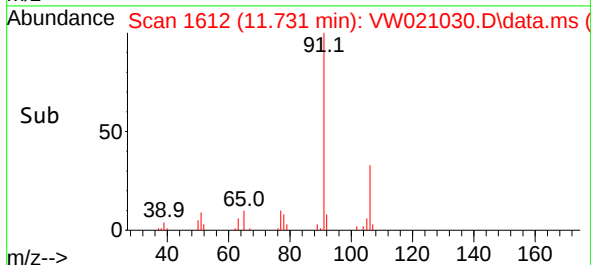
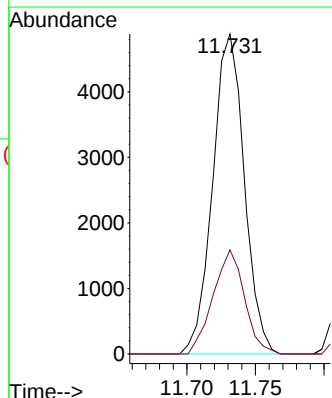
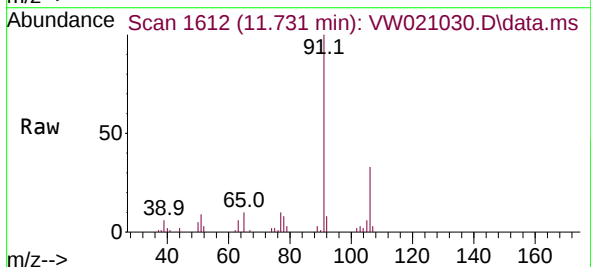
Acq: 02 Dec 2021 07:29

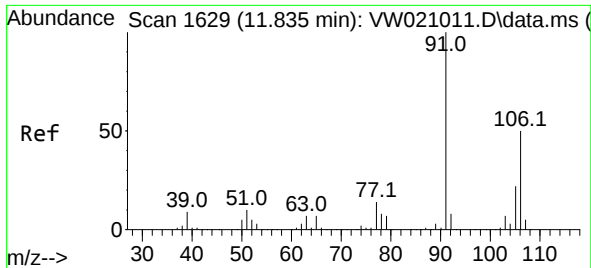
Tgt Ion: 91 Resp: 7833

Ion Ratio Lower Upper

91 100

106 32.5 21.5 39.9

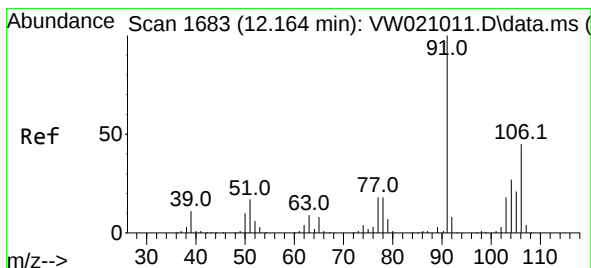
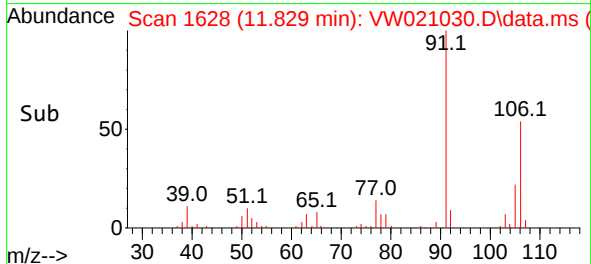
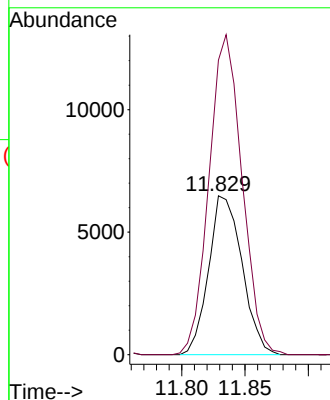
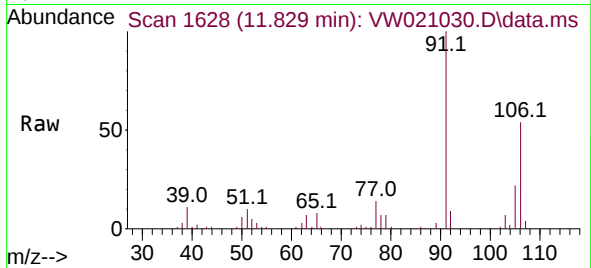




#53
m,p-Xylene
Concen: 11.323 ug/L
RT: 11.829 min Scan# 1628
Delta R.T. -0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

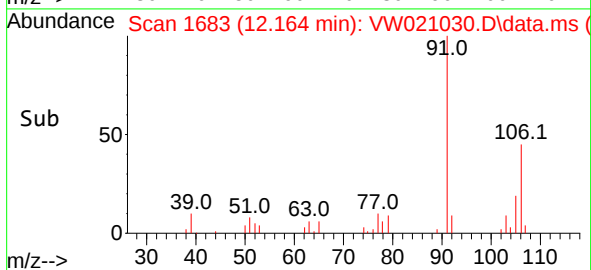
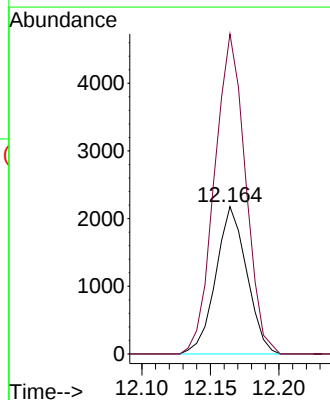
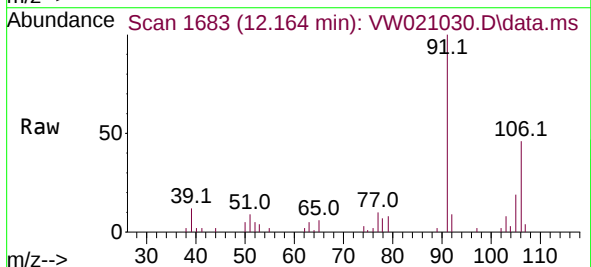
Instrument :
MSVOA_W
ClientSampleId :

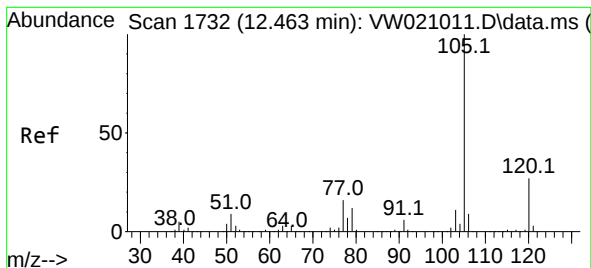
Tgt Ion:106 Resp: 11930
Ion Ratio Lower Upper
106 100
91 185.4 149.9 278.3



#54
o-Xylene
Concen: 3.384 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Tgt Ion:106 Resp: 3424
Ion Ratio Lower Upper
106 100
91 217.2 153.6 285.3





#60

Isopropylbenzene

Concen: 0.553 ug/L

RT: 12.469 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021030.D

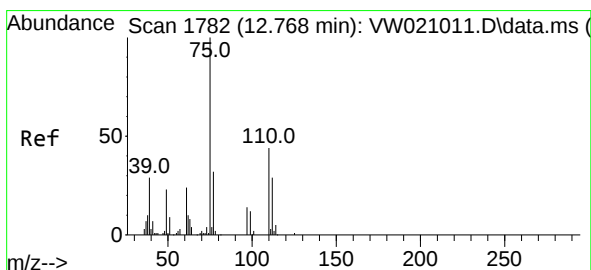
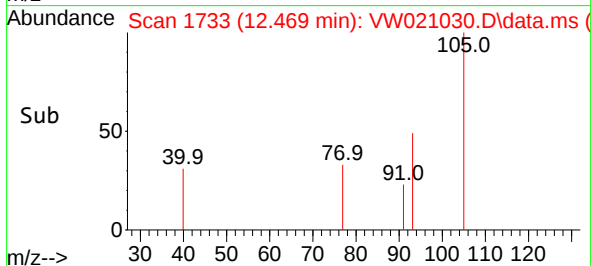
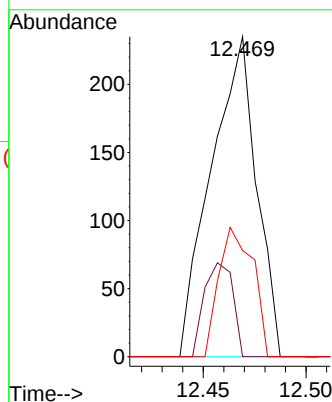
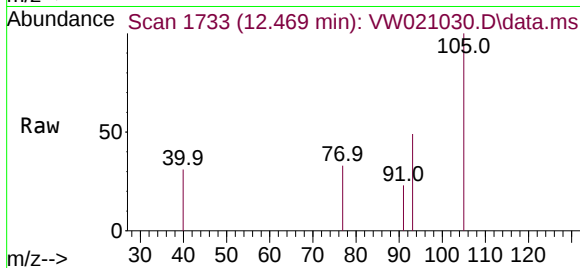
Acq: 02 Dec 2021 07:29

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	105	Resp:	361
Ion	Ratio	Lower	Upper
105	100		
120	18.6	20.1	30.1#
77	30.5	13.8	20.8#



#61

1,2,3-Trichloropropane

Concen: 7.583 ug/L

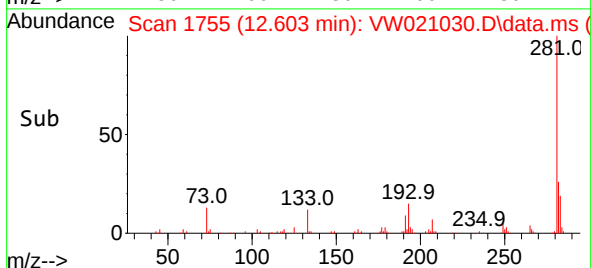
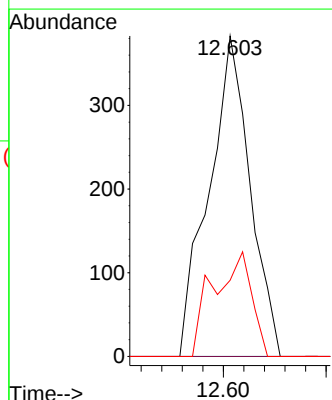
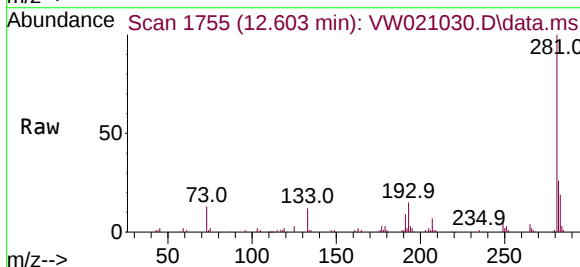
RT: 12.603 min Scan# 1755

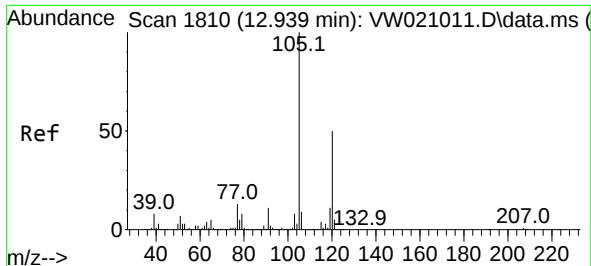
Delta R.T. -0.165 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Tgt Ion:	75	Resp:	533
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.8	38.8#
110	18.6	29.0	43.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.607 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021030.D

Acq: 02 Dec 2021 07:29

Instrument :

MSVOA_W

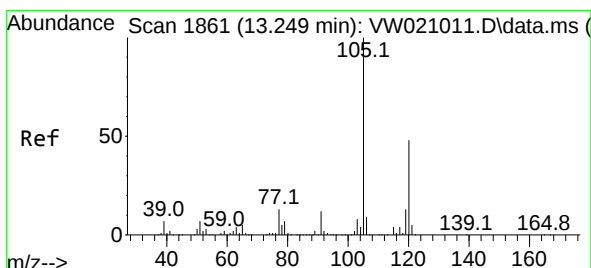
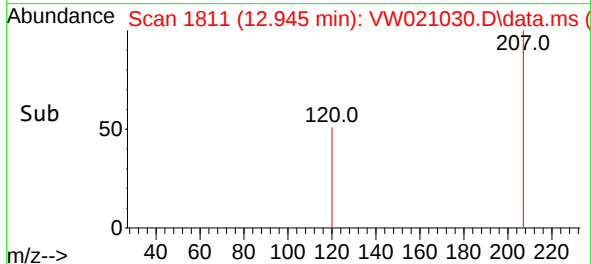
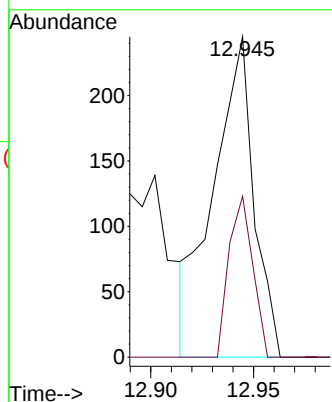
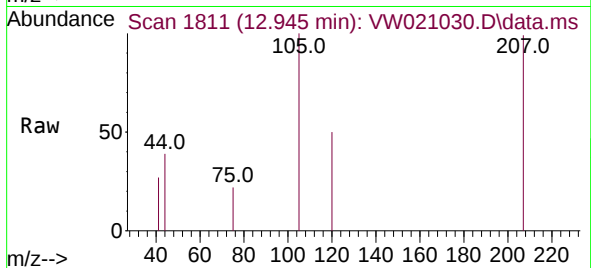
ClientSampleId :

Tgt Ion:105 Resp: 334

Ion Ratio Lower Upper

105 100

120 29.6 37.4 56.2#



#63

1,2,4-Trimethylbenzene

Concen: 1.727 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW021030.D

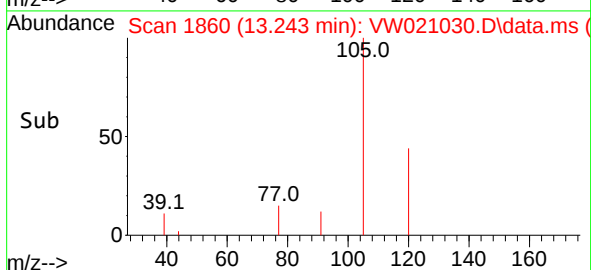
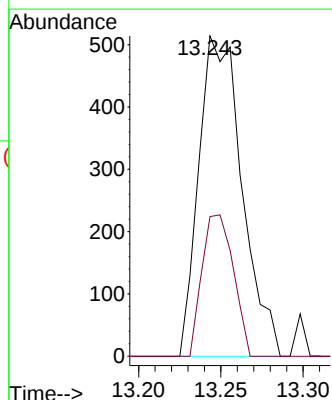
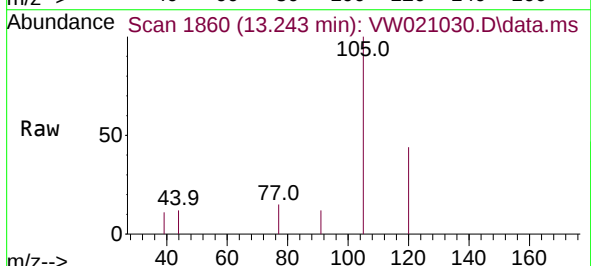
Acq: 02 Dec 2021 07:29

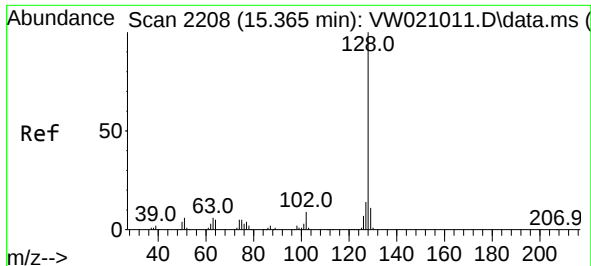
Tgt Ion:105 Resp: 938

Ion Ratio Lower Upper

105 100

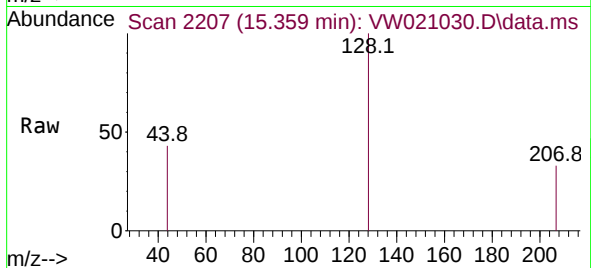
120 32.0 35.0 52.6#





#71
Naphthalene
Concen: 0.749 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW021030.D
Acq: 02 Dec 2021 07:29

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 242
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

