

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021022.D
 Acq On : 02 Dec 2021 04:16
 Operator : SY/VA
 Sample : M4881-10
 Misc : 4.99g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 07:30:46 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	58224	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	19454	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2193	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	19527	28.913	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 115.640%	
7) Chloroethane-d5	2.885	69	15373	35.294	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 141.160%	
11) 1,1-Dichloroethene-d2	4.013	63	22977	17.584	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 70.320%	
21) 2-Butanone-d5	7.074	46	14663	86.984	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 173.960%#	
24) Chloroform-d	7.647	84	46396	31.625	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 126.520%	
26) 1,2-Dichloroethane-d4	8.311	65	22284	29.925	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 119.720%	
32) Benzene-d6	8.275	84	73633	71.814	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 287.240%#	
36) 1,2-Dichloropropane-d6	9.274	67	23204	79.474	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 317.880%#	
41) Toluene-d8	10.323	98	37129	36.484	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 145.920%#	
43) trans-1,3-Dichloroprop...	10.573	79	3251	23.557	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 94.240%	
47) 2-Hexanone-d5	10.921	63	6330	130.720	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 261.440%#	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	11256	50.325	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 201.320%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	2594	33.188	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 132.760%#	
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	1815	12.059	ug/L	97
16) Methylene chloride	4.916	84	6351	7.821	ug/L	83
22) 2-Butanone	7.141	43	906	4.431	ug/L	# 52
27) 1,2-Dichloroethane	8.397	62	4237	4.914	ug/L	99
29) Cyclohexane	7.958	56	785	1.810	ug/L	# 75
33) Benzene	8.323	78	993	0.902	ug/L	100
34) Trichloroethene	8.842	95	1669	5.417	ug/L	# 5
35) Methylcyclohexane	9.335	83	2214	4.359	ug/L	# 85
37) 1,2-Dichloropropane	9.268	63	2959	11.543	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	351	0.829	ug/L	85
40) 4-Methyl-2-pentanone	10.207	43	492	3.225	ug/L	# 78
42) Toluene	10.390	91	5789	4.672	ug/L	89
46) Tetrachloroethene	10.860	164	218	0.771	ug/L	77
48) 2-Hexanone	10.927	43	986	9.329	ug/L	# 45
49) Dibromochloromethane	10.853	129	233	0.848	ug/L	# 10
52) Ethylbenzene	11.731	91	1160	0.845	ug/L	89
53) m,p-Xylene	11.835	106	1848	3.297	ug/L	80
54) o-Xylene	12.158	106	651	1.209	ug/L	72
61) 1,2,3-Trichloropropane	12.932	75	121	3.762	ug/L	# 40

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Quant Time: Dec 02 07:30:46 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

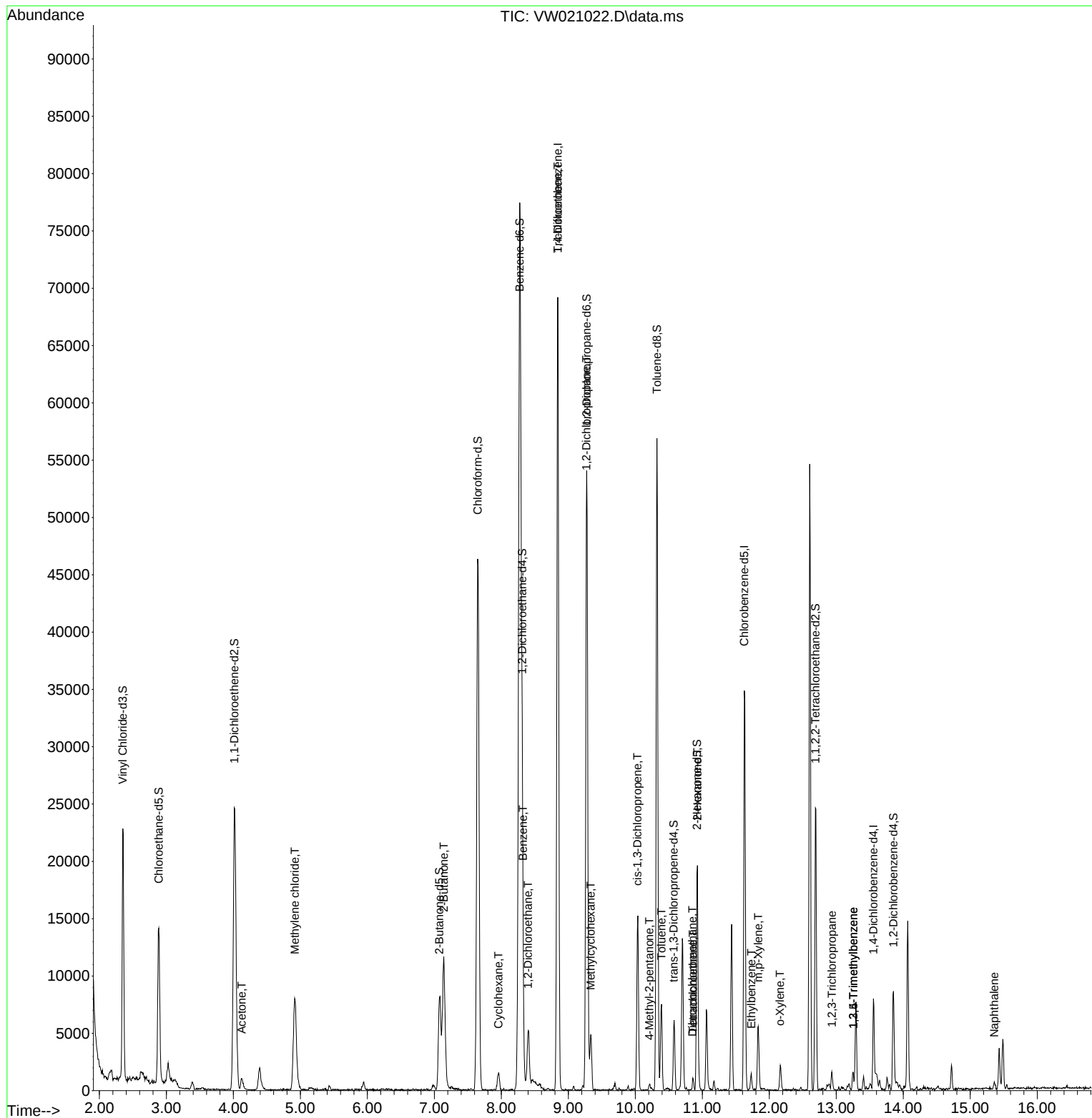
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	13.256	105	1205	4.782	ug/L	92
63) 1,2,4-Trimethylbenzene	13.256	105	1205	4.847	ug/L	87
71) Naphthalene	15.359	128	708	4.788	ug/L #	69

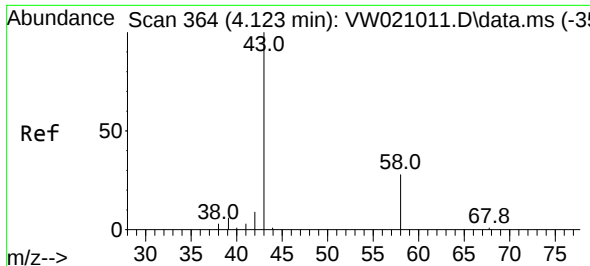
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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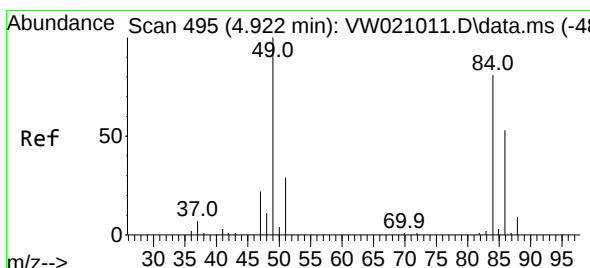
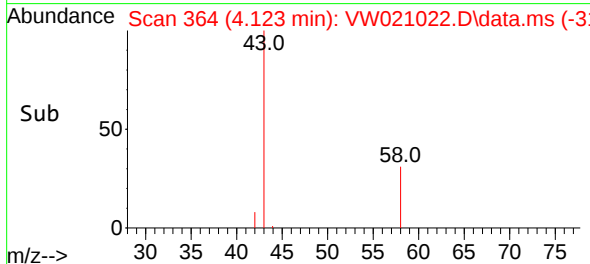
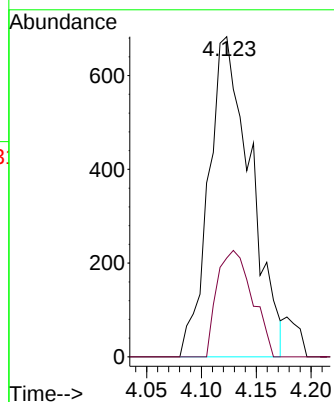
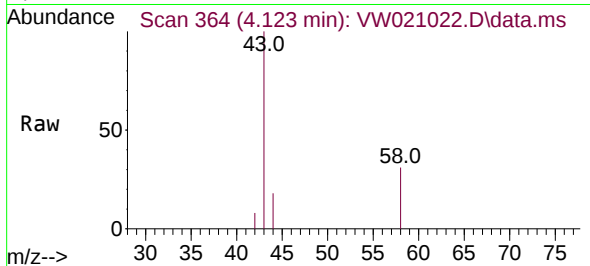




#13
Acetone
Concen: 12.059 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.000 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

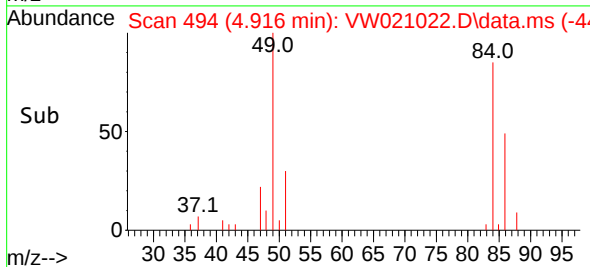
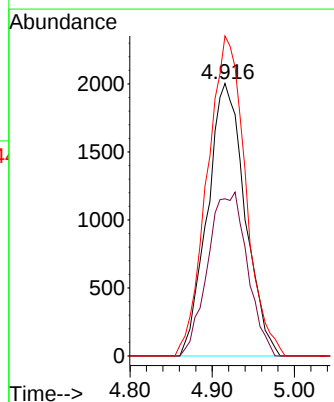
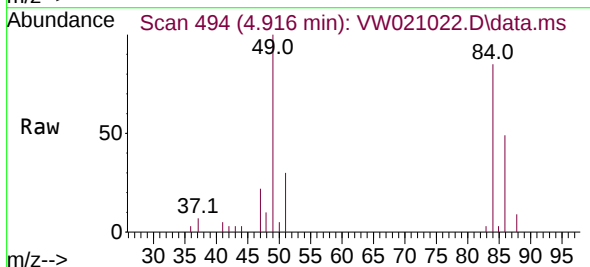
Instrument :
MSVOA_W
ClientSampleId :

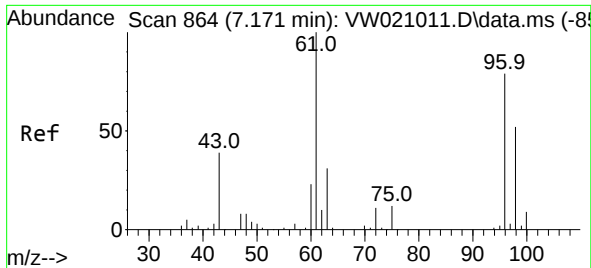
Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 27.9 0.0 52.8



#16
Methylene chloride
Concen: 7.821 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

Tgt Ion: 84 Resp: 6351
Ion Ratio Lower Upper
84 100
86 57.7 45.5 84.5
49 117.5 100.5 186.7

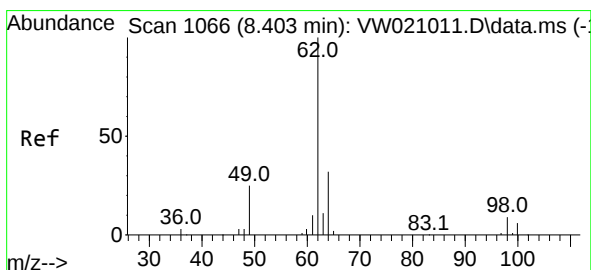
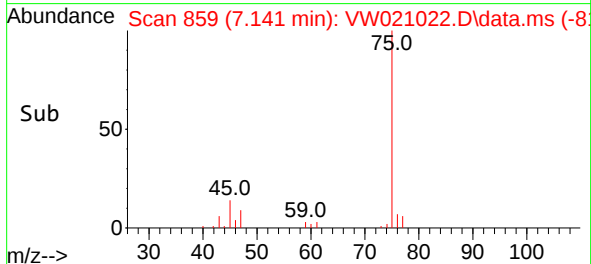
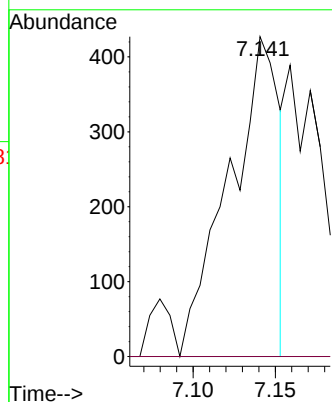
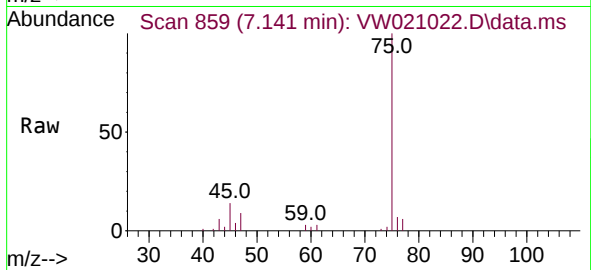




#22
2-Butanone
Concen: 4.431 ug/L
RT: 7.141 min Scan# 81
Delta R.T. -0.031 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

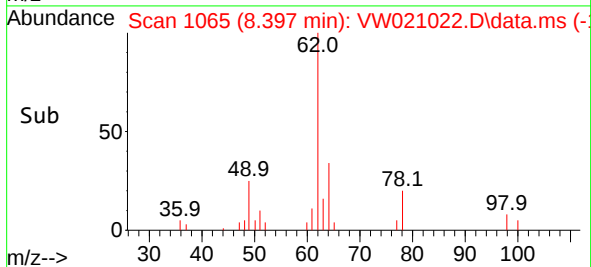
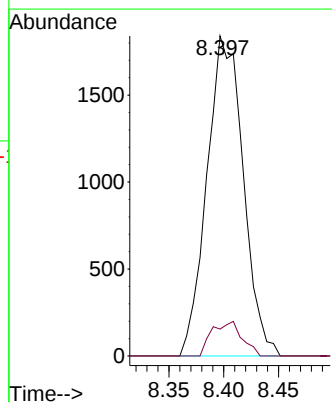
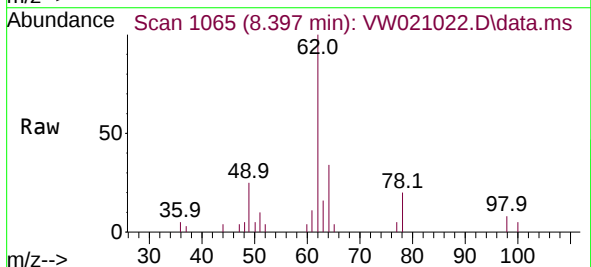
Instrument :
MSVOA_W
ClientSampleId :

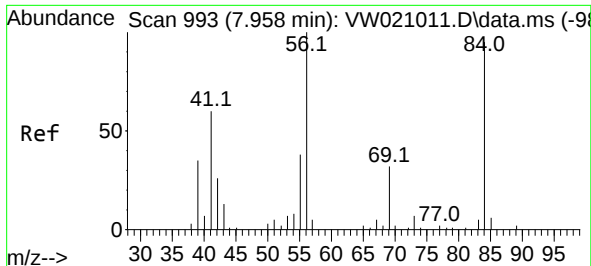
Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 4.914 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

Tgt Ion: 62 Resp: 4237
Ion Ratio Lower Upper
62 100
98 8.4 6.5 9.7





#29

Cyclohexane

Concen: 1.810 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

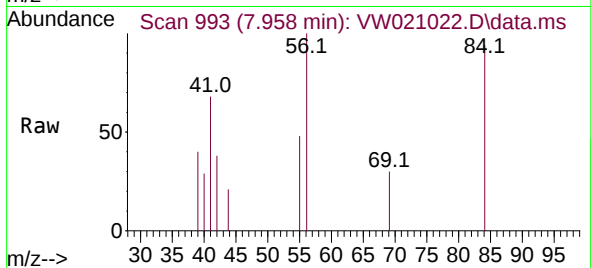
Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

ClientSampleId :



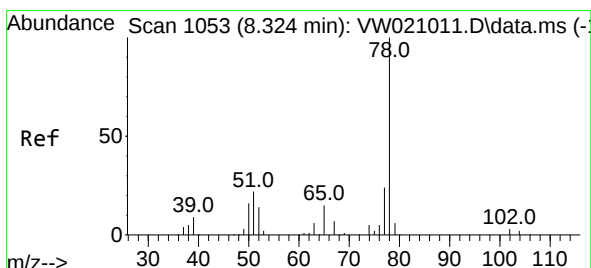
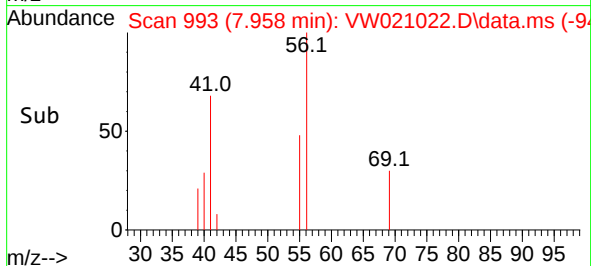
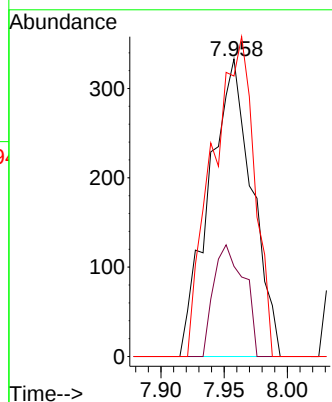
Tgt Ion: 56 Resp: 785

Ion Ratio Lower Upper

56 100

69 22.8 23.5 35.3#

84 105.9 63.4 95.2#



#33

Benzene

Concen: 0.902 ug/L

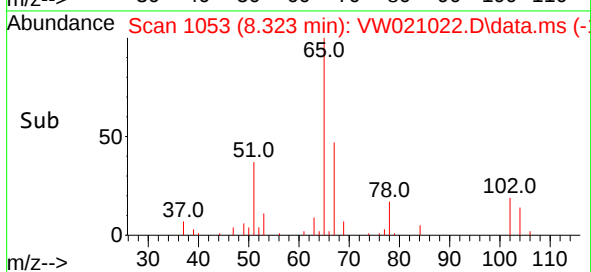
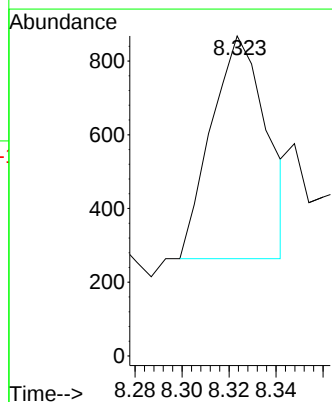
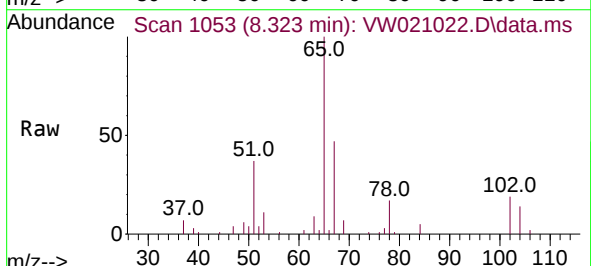
RT: 8.323 min Scan# 1053

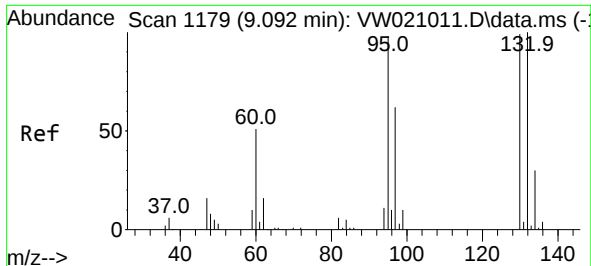
Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Tgt Ion: 78 Resp: 993





#34

Trichloroethene

Concen: 5.417 ug/L

RT: 8.842 min Scan# 1179

Delta R.T. -0.250 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 1669

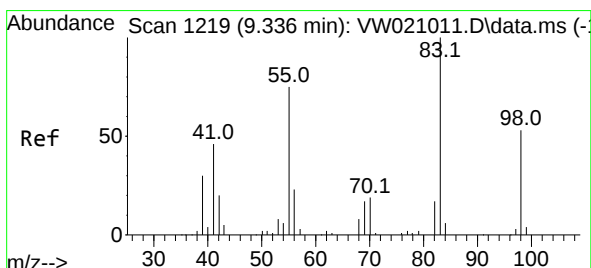
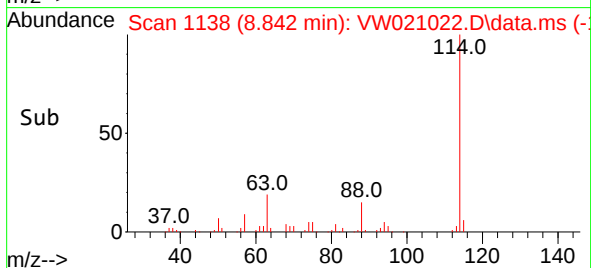
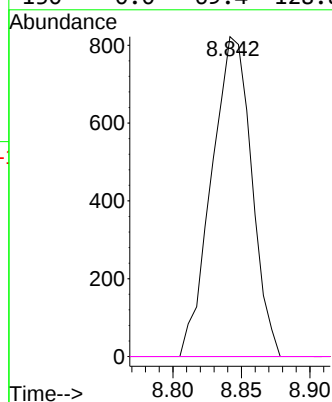
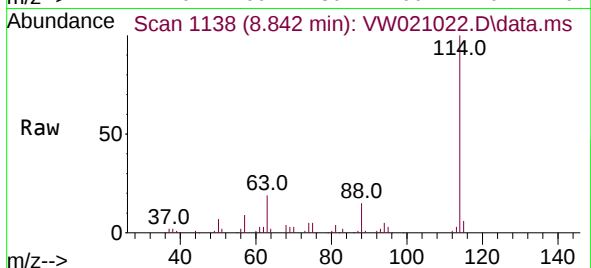
Ion Ratio Lower Upper

95 100

97 0.0 47.0 87.2#

132 0.0 65.5 121.6#

130 0.0 69.4 128.8#



#35

Methylcyclohexane

Concen: 4.359 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

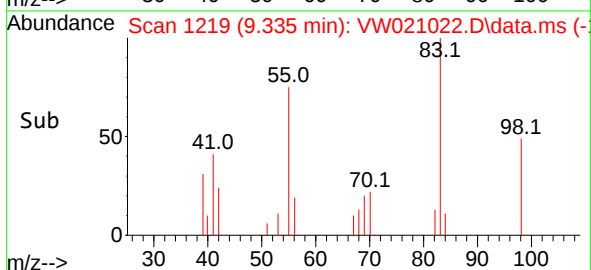
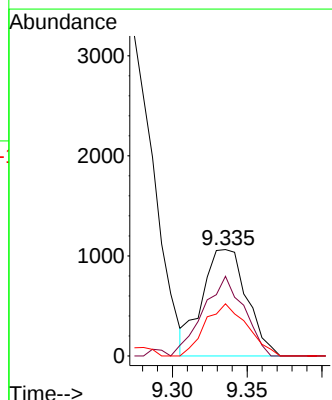
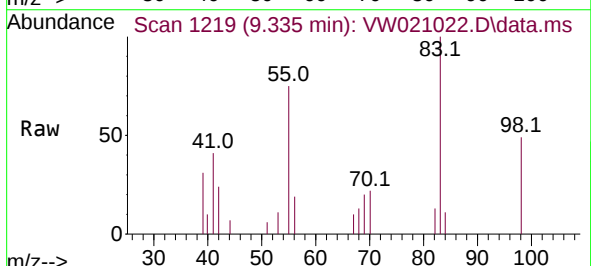
Tgt Ion: 83 Resp: 2214

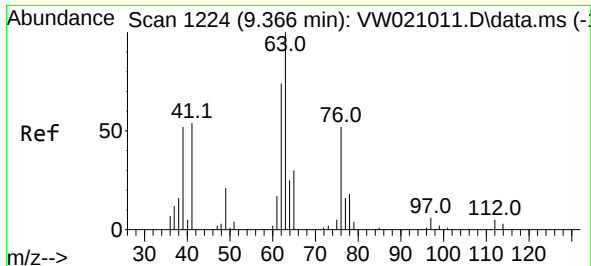
Ion Ratio Lower Upper

83 100

55 68.0 70.8 106.2#

98 45.8 37.7 56.5





#37

1,2-Dichloropropane

Concen: 11.543 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

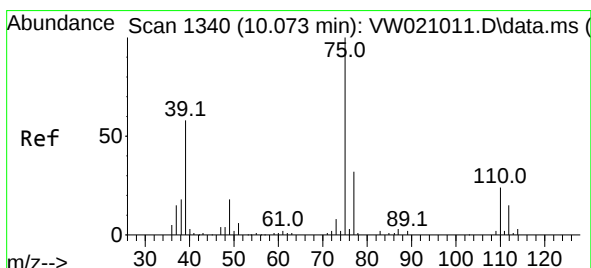
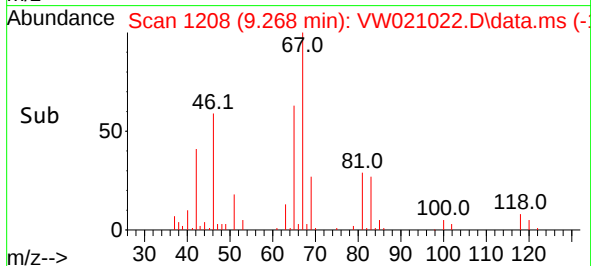
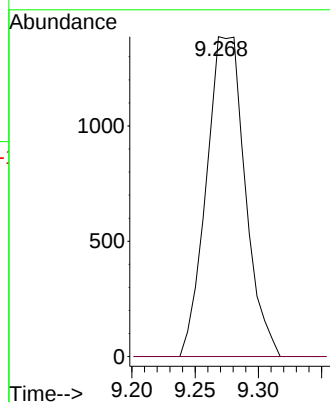
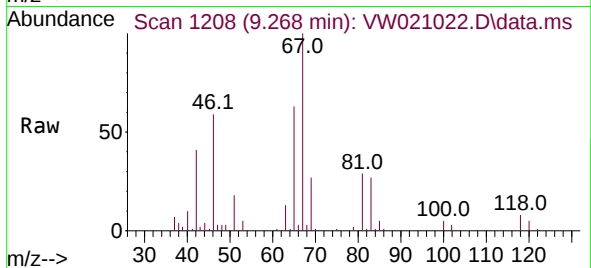
ClientSampleId :

Tgt Ion: 63 Resp: 2959

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.829 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021022.D

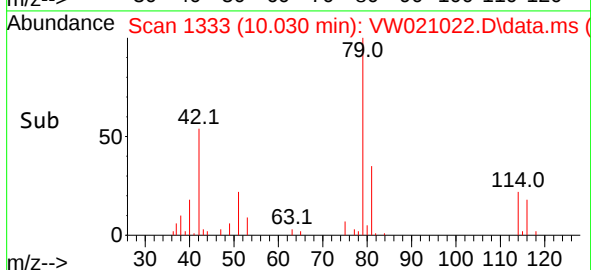
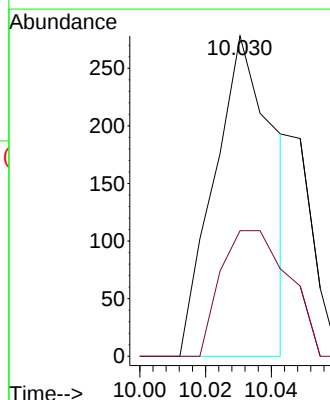
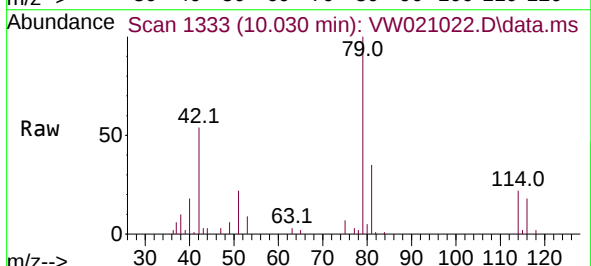
Acq: 02 Dec 2021 04:16

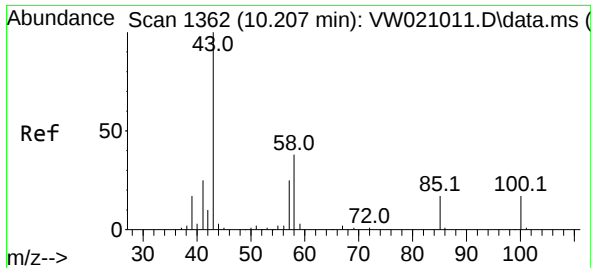
Tgt Ion: 75 Resp: 351

Ion Ratio Lower Upper

75 100

77 39.2 21.8 40.6

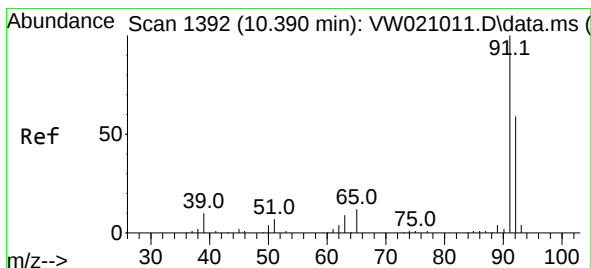
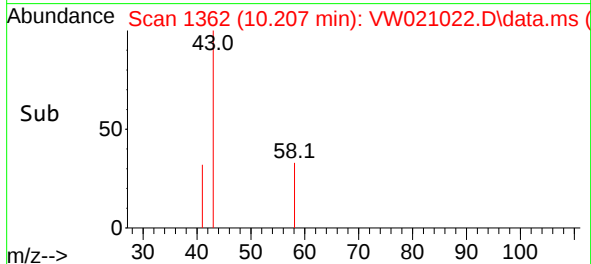
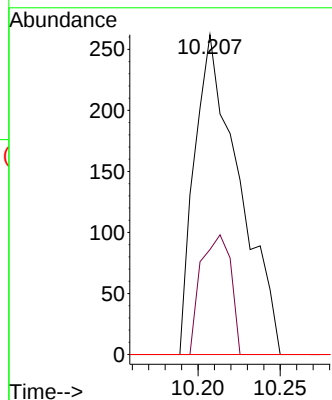
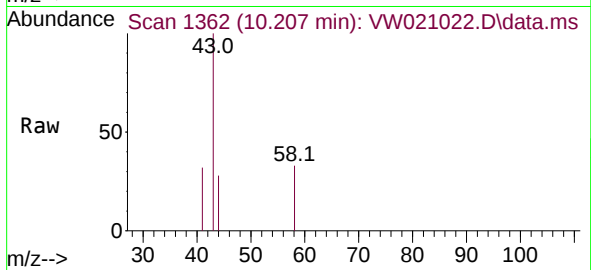




#40
4-Methyl-2-pentanone
Concen: 3.225 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

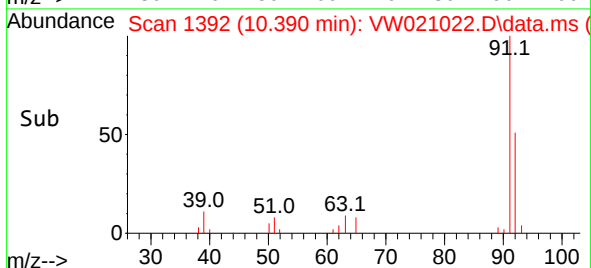
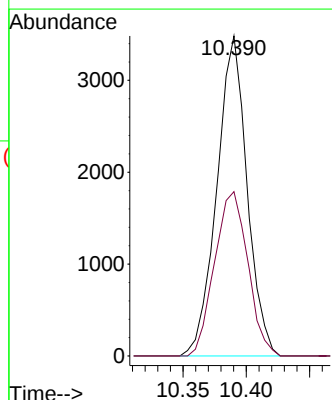
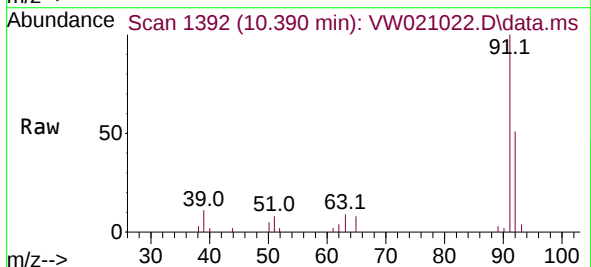
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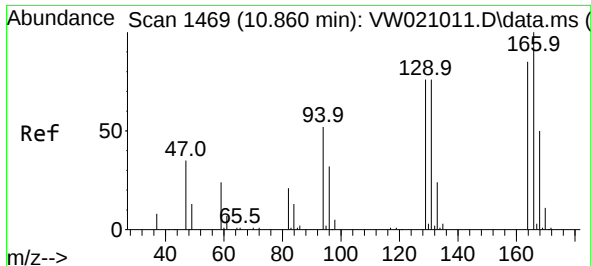
Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
58 25.2 28.8 43.2#
100 0.0 10.0 15.0#



#42
Toluene
Concen: 4.672 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
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Acq: 02 Dec 2021 04:16

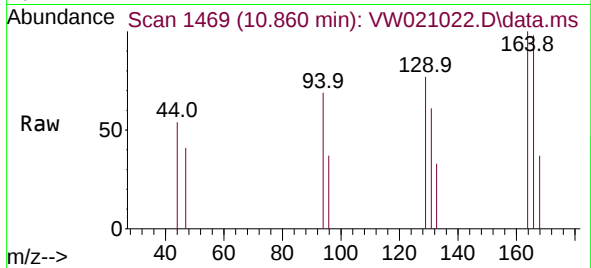
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Ion Ratio Lower Upper
91 100
92 51.4 41.7 77.5





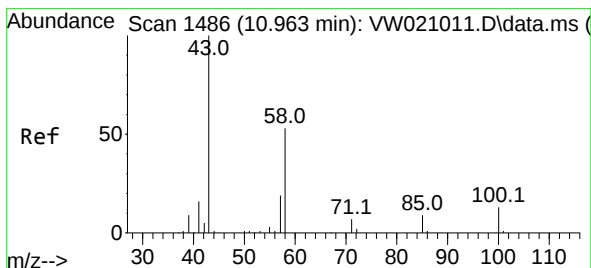
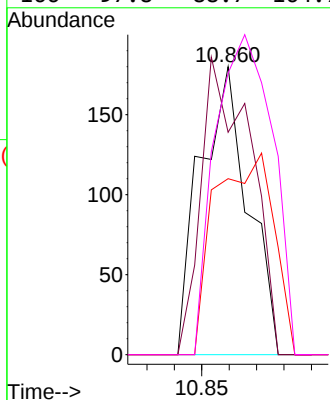
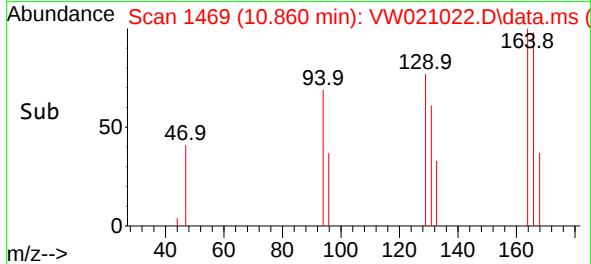
#46
Tetrachloroethene
Concen: 0.771 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

Instrument :
MSVOA_W
ClientSampleId :

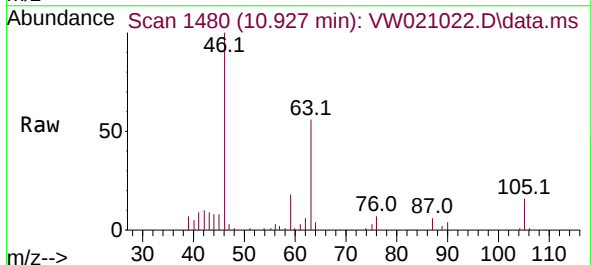


Tgt Ion:164 Resp: 218

Ion	Ratio	Lower	Upper
164	100		
129	77.2	65.5	121.7
131	61.1	59.7	110.9
166	97.8	88.7	164.7

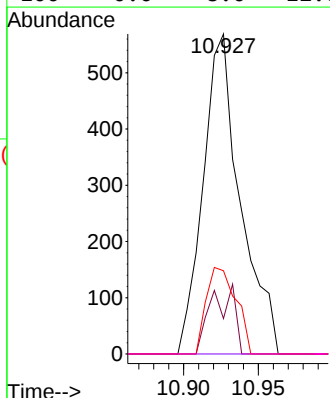
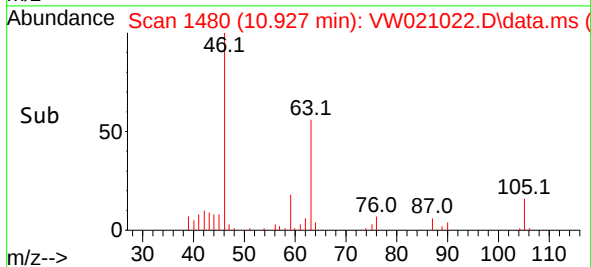


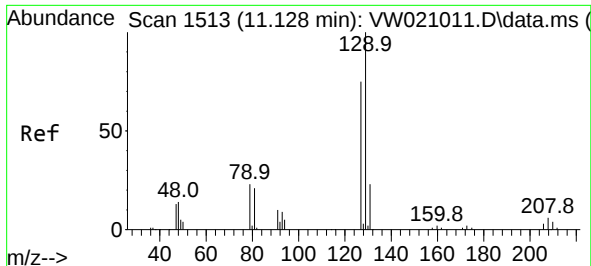
#48
2-Hexanone
Concen: 9.329 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.037 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16



Tgt Ion: 43 Resp: 986

Ion	Ratio	Lower	Upper
43	100		
58	4.6	40.2	60.2#
57	0.0	14.3	21.5#
100	0.0	8.0	12.0#





#49

Dibromochloromethane

Concen: 0.848 ug/L

RT: 10.853 min Scan# 1468

Delta R.T. -0.274 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

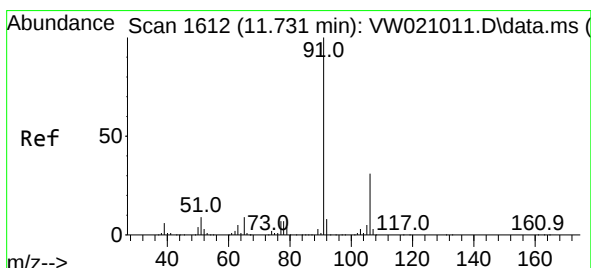
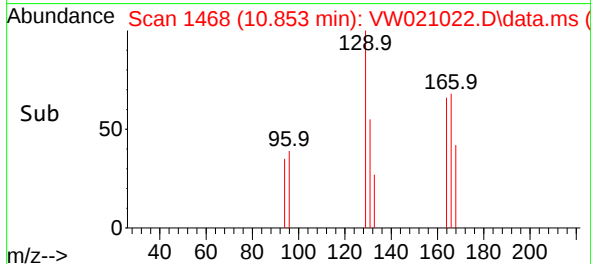
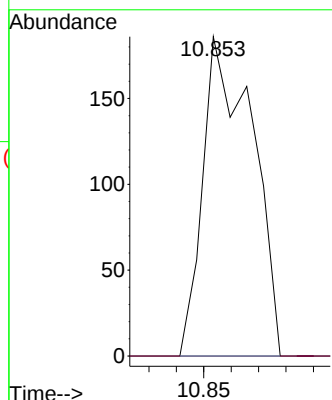
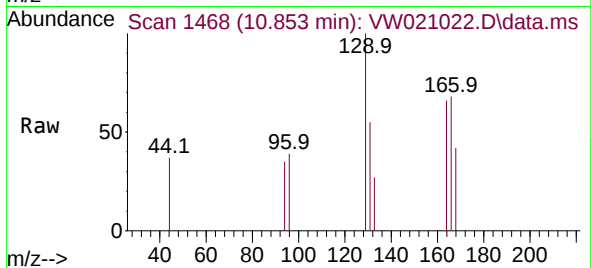
ClientSampleId :

Tgt Ion:129 Resp: 233

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 0.845 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW021022.D

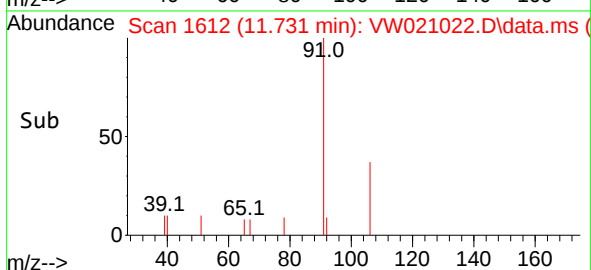
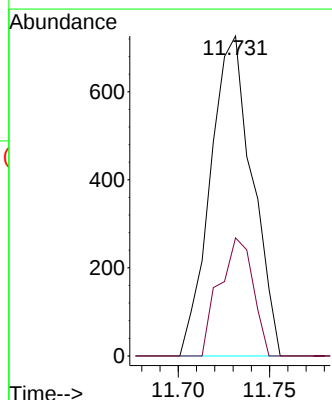
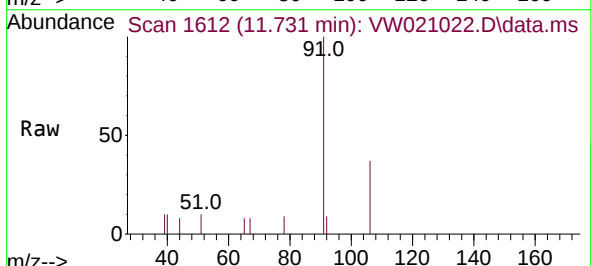
Acq: 02 Dec 2021 04:16

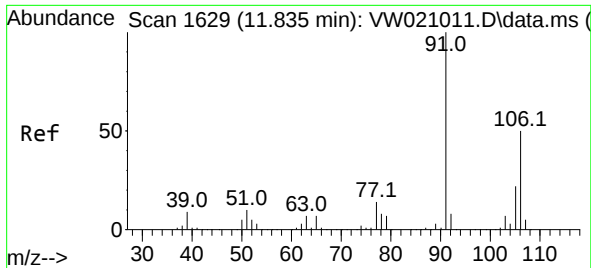
Tgt Ion: 91 Resp: 1160

Ion Ratio Lower Upper

91 100

106 36.9 21.5 39.9

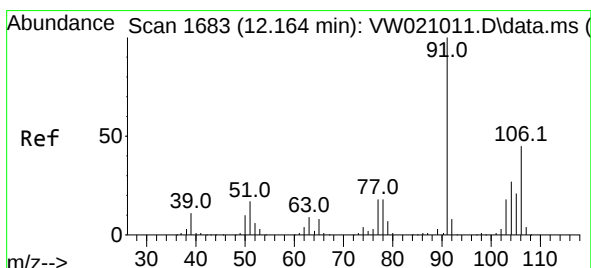
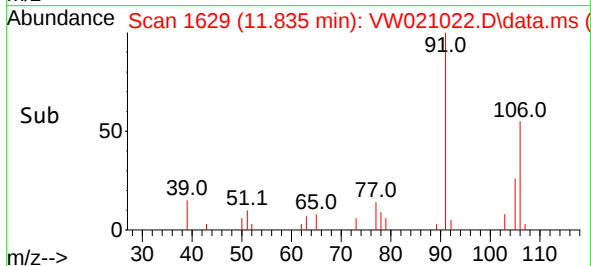
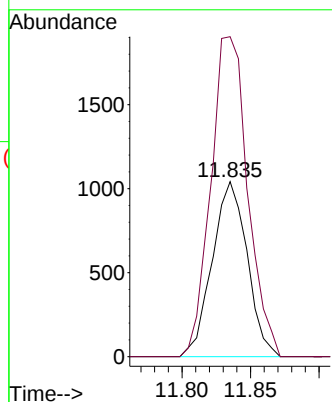
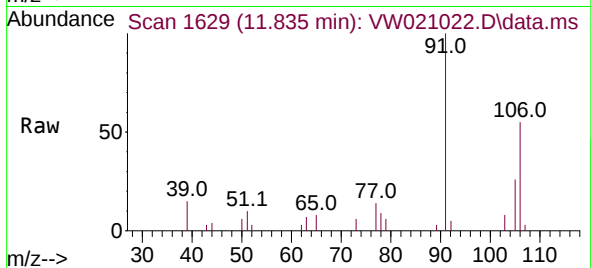




#53
m,p-Xylene
Concen: 3.297 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

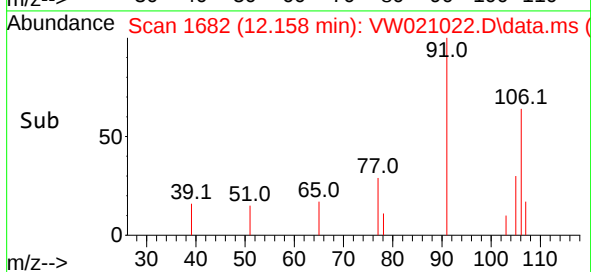
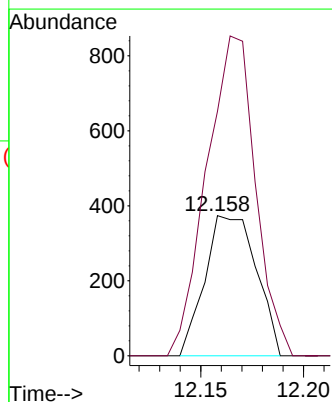
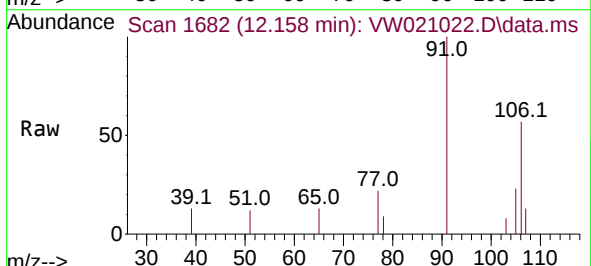
Instrument :
MSVOA_W
ClientSampleId :

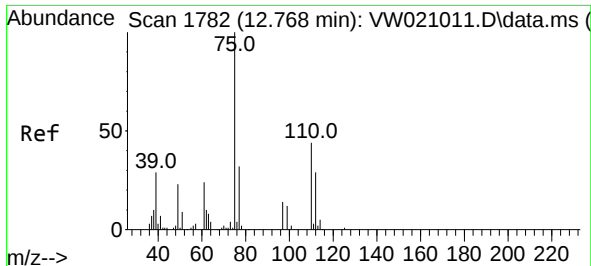
Tgt Ion:106 Resp: 1848
Ion Ratio Lower Upper
106 100
91 182.8 149.9 278.3



#54
o-Xylene
Concen: 1.209 ug/L
RT: 12.158 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

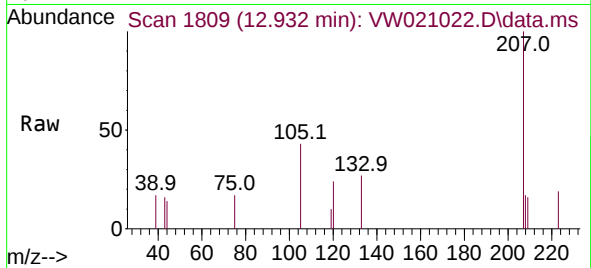
Tgt Ion:106 Resp: 651
Ion Ratio Lower Upper
106 100
91 174.3 153.6 285.3



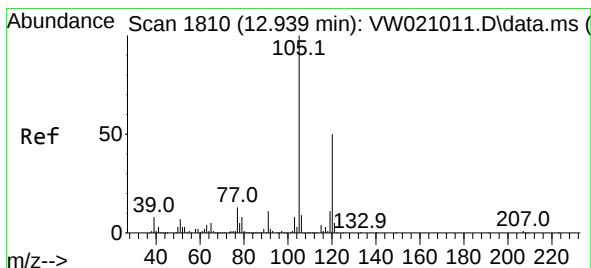
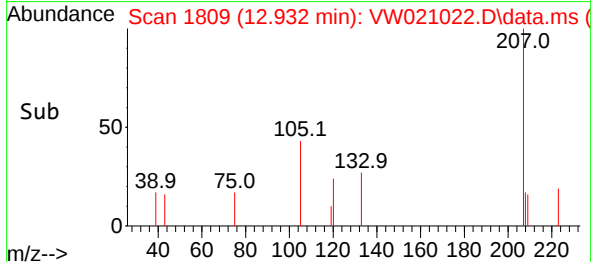
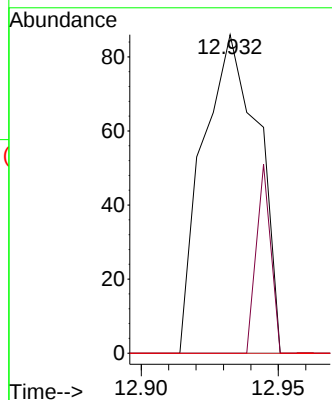


#61
1,2,3-Trichloropropane
Concen: 3.762 ug/L
RT: 12.932 min Scan# 1809
Delta R.T. 0.165 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

Instrument :
MSVOA_W
ClientSampleId :

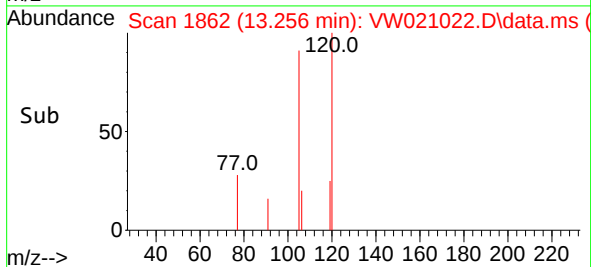
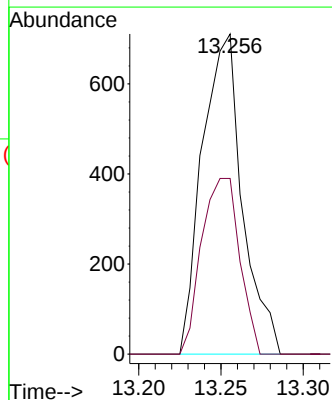
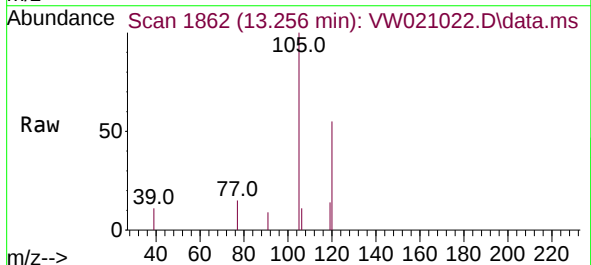


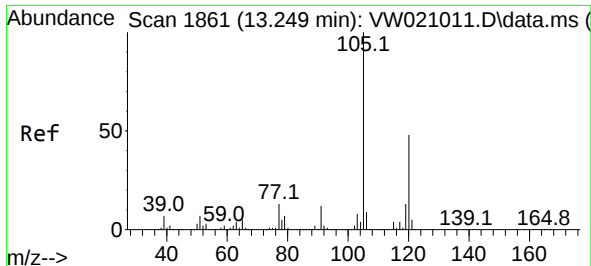
Tgt Ion: 75 Resp: 121
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 0.0 29.0 43.4#



#62
1,3,5-Trimethylbenzene
Concen: 4.782 ug/L
RT: 13.256 min Scan# 1862
Delta R.T. 0.317 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

Tgt Ion:105 Resp: 1205
Ion Ratio Lower Upper
105 100
120 52.1 37.4 56.2

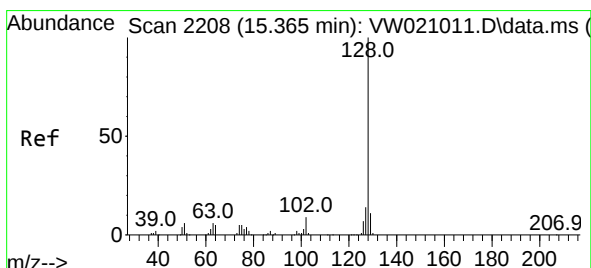
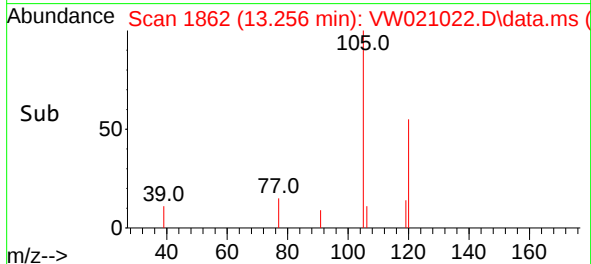
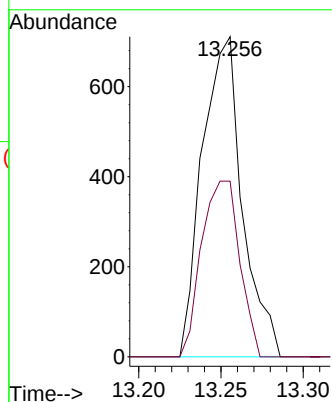
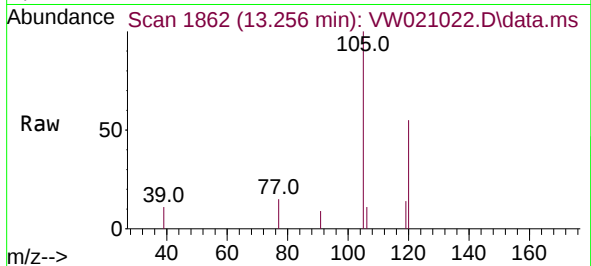




#63
1,2,4-Trimethylbenzene
Concen: 4.847 ug/L
RT: 13.256 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 1205
Ion Ratio Lower Upper
105 100
120 52.1 35.0 52.6



#71
Naphthalene
Concen: 4.788 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

Tgt Ion:128 Resp: 708
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

