

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021106.D
 Acq On : 04 Dec 2021 08:51
 Operator : SY/VA
 Sample : M4885-01
 Misc : 5.06g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 00:47:58 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	8.842	114	31538	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	10360	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	1607	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	29941	68.139	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 272.560%#	
7) Chloroethane-d5	2.885	69	20131	68.438	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 273.760%#	
11) 1,1-Dichloroethene-d2	4.019	63	26636	37.945	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 151.760%#	
21) 2-Butanone-d5	7.086	46	7379	73.623	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 147.240%#	
24) Chloroform-d	7.653	84	38195	48.359	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 193.440%#	
26) 1,2-Dichloroethane-d4	8.311	65	17945	41.530	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 166.120%#	
32) Benzene-d6	8.275	84	64707	122.154	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 488.600%#	
36) 1,2-Dichloropropane-d6	9.274	67	18710	127.100	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 508.400%#	
41) Toluene-d8	10.323	98	30496	56.146	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 224.600%#	
43) trans-1,3-Dichloroprop...	10.579	79	2236	33.452	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 133.800%	
47) 2-Hexanone-d5	10.927	63	3411	121.110	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 242.220%#	
56) 1,1,2,2-Tetrachloroeth...	12.694	84	7561	55.519	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 222.080%#	
66) 1,2-Dichlorobenzene-d4	13.859	152	2276	39.529	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 158.120%#	
Target Compounds						
					Qvalue	
13) Acetone	4.147	43	1187	13.001	ug/L	88
22) 2-Butanone	7.153	43	3816	30.203	ug/L	# 52
27) 1,2-Dichloroethane	8.403	62	529	1.042	ug/L	# 77
29) Cyclohexane	7.964	56	1592	6.966	ug/L	89
33) Benzene	8.329	78	2037	3.458	ug/L	100
34) Trichloroethene	9.098	95	2893832	17804.593	ug/L	92
35) Methylcyclohexane	9.341	83	3263	11.927	ug/L	87
37) 1,2-Dichloropropane	9.274	63	2566	19.271	ug/L	# 88
39) cis-1,3-Dichloropropene	10.043	75	376	1.746	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	477	5.258	ug/L	# 84
42) Toluene	10.390	91	5034	7.481	ug/L	90
46) Tetrachloroethene	10.859	164	184790	1241.615	ug/L	91
48) 2-Hexanone	10.951	43	1533	23.427	ug/L	# 49
49) Dibromochloromethane	10.866	129	154365	1106.362	ug/L	# 10
52) Ethylbenzene	11.731	91	689	0.910	ug/L	94
53) m,p-Xylene	11.829	106	1053	3.360	ug/L	65
54) o-Xylene	12.164	106	736	2.491	ug/L	65
60) Isopropylbenzene	12.463	105	260	1.164	ug/L	# 69
61) 1,2,3-Trichloropropane	12.847	75	272	10.104	ug/L	# 1

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 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

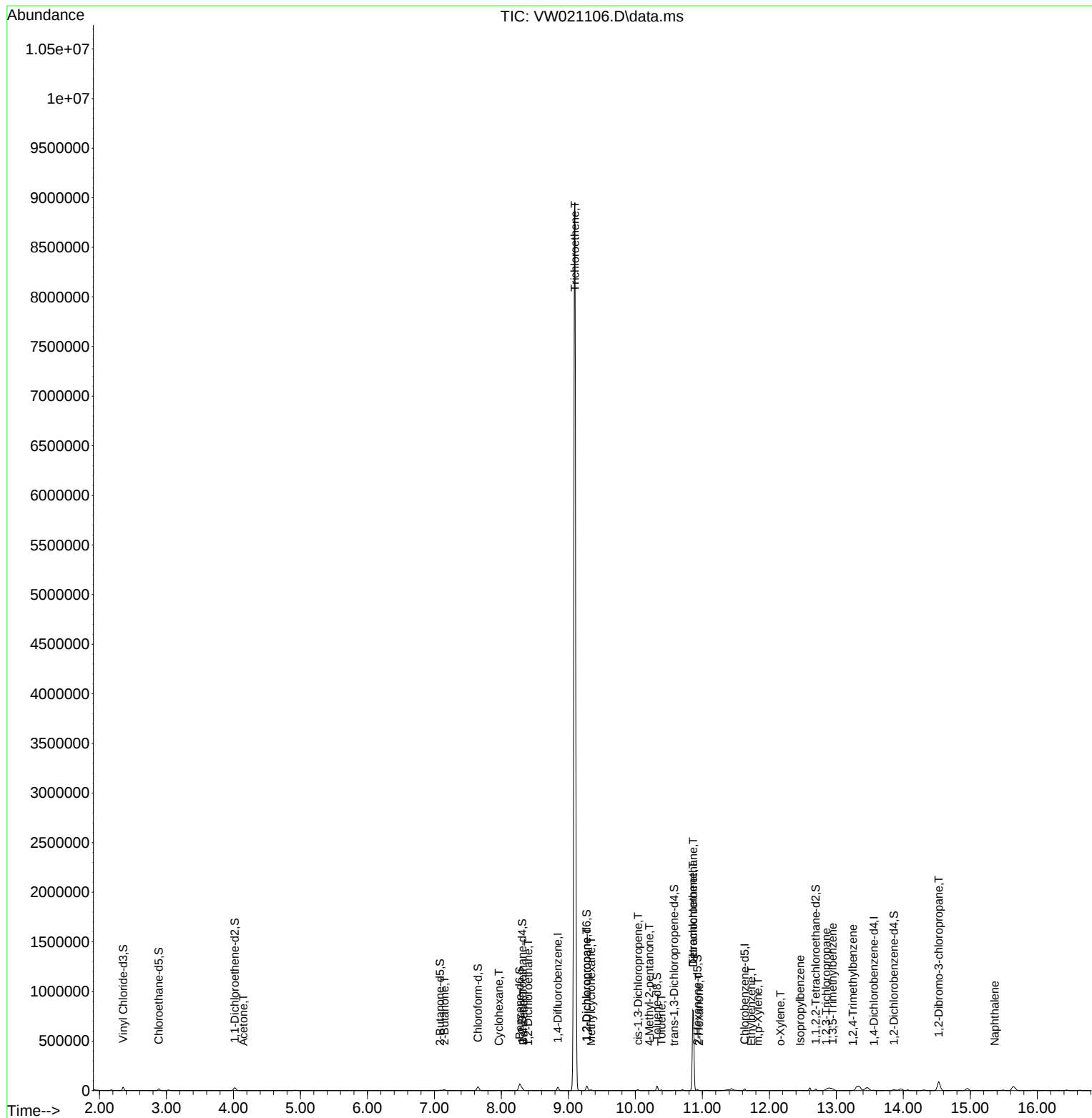
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.944	105	206	1.101	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	627	3.333	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.530	75	7064	1162.079	ug/L #	10
71) Naphthalene	15.365	128	2677	22.675	ug/L #	96

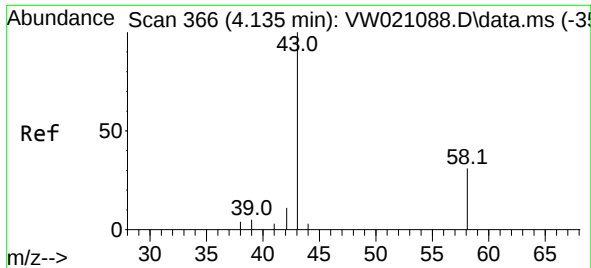
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.001 ug/L

RT: 4.147 min Scan# 3

Delta R.T. 0.012 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

Instrument :

MSVOA_W

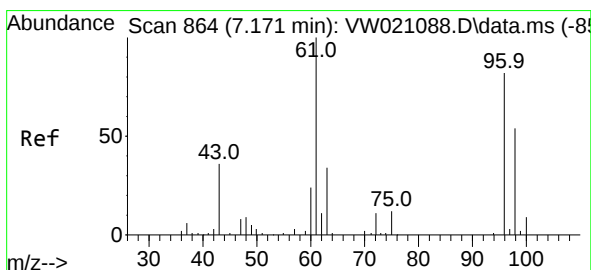
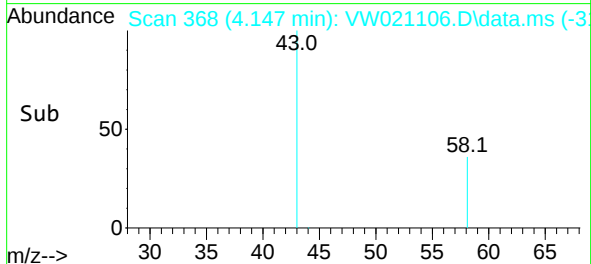
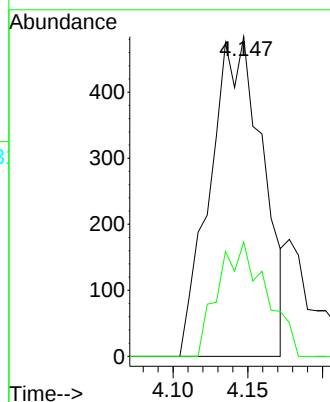
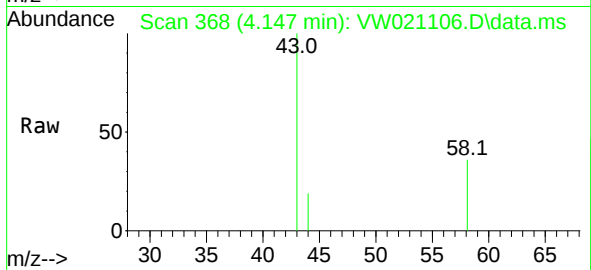
ClientSampleId :

Tgt Ion: 43 Resp: 1187

Ion Ratio Lower Upper

43 100

58 32.4 0.0 52.8



#22

2-Butanone

Concen: 30.203 ug/L

RT: 7.153 min Scan# 861

Delta R.T. -0.018 min

Lab File: VW021106.D

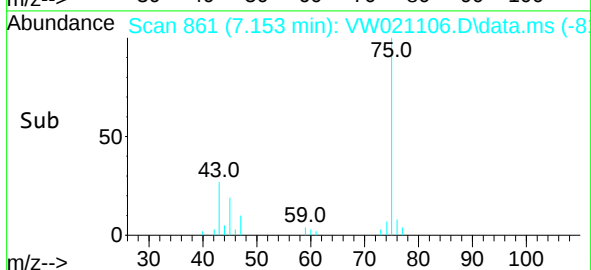
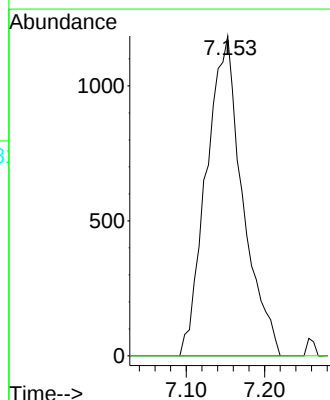
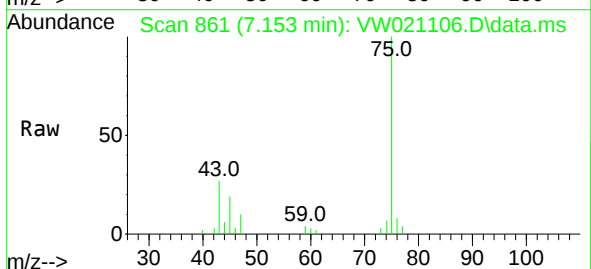
Acq: 04 Dec 2021 08:51

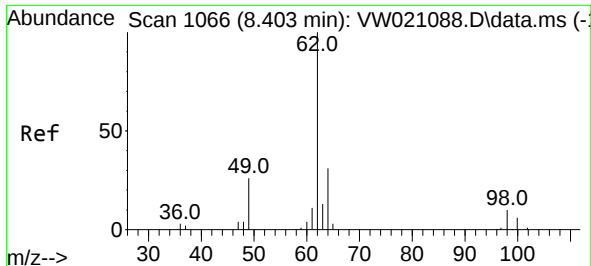
Tgt Ion: 43 Resp: 3816

Ion Ratio Lower Upper

43 100

72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 1.042 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

Instrument :

MSVOA_W

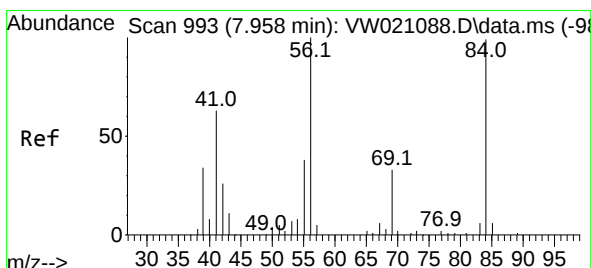
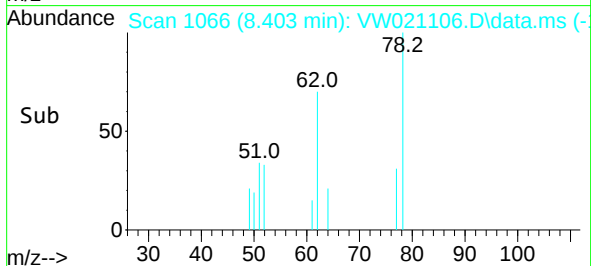
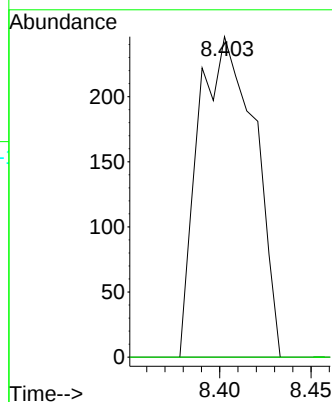
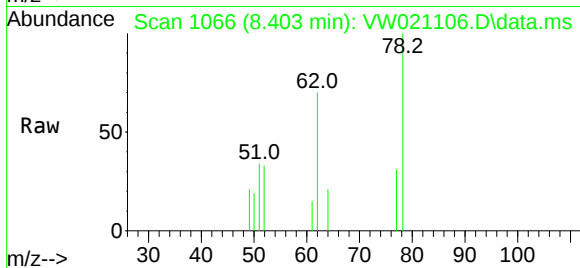
ClientSampleId :

Tgt Ion: 62 Resp: 529

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#29

Cyclohexane

Concen: 6.966 ug/L

RT: 7.964 min Scan# 994

Delta R.T. 0.006 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

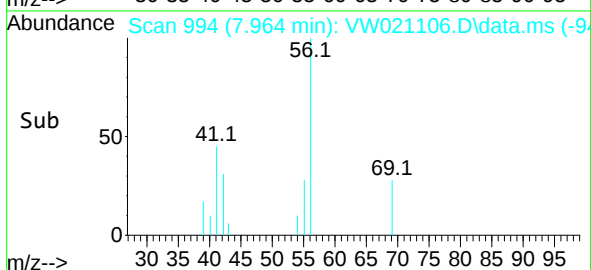
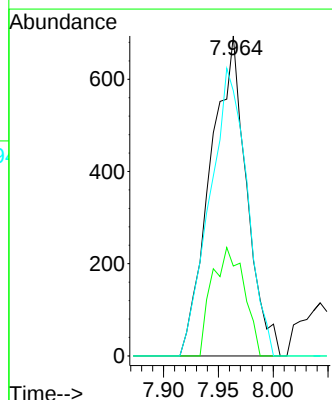
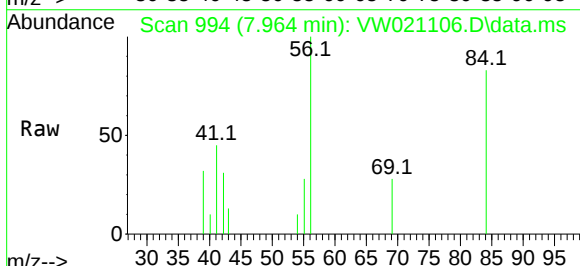
Tgt Ion: 56 Resp: 1592

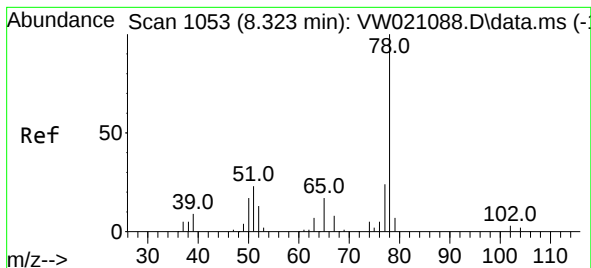
Ion Ratio Lower Upper

56 100

69 30.0 23.5 35.3

84 92.6 63.4 95.2





#33

Benzene

Concen: 3.458 ug/L

RT: 8.329 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VW021106.D

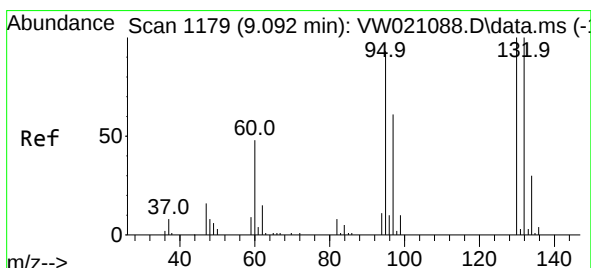
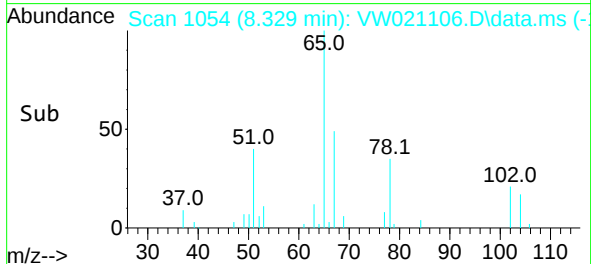
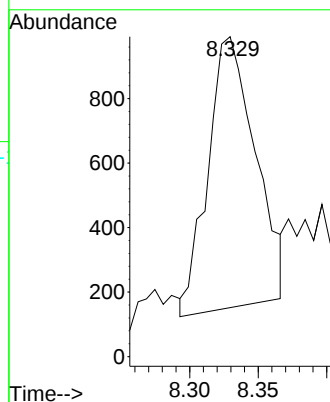
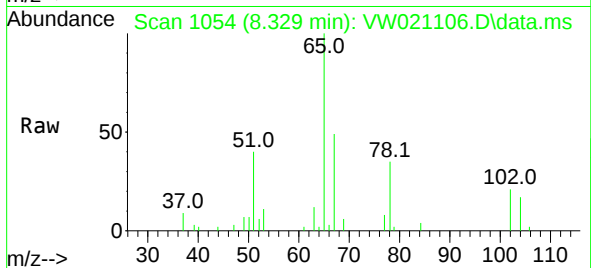
Acq: 04 Dec 2021 08:51

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 2037



#34

Trichloroethene

Concen: 17804.593 ug/L

RT: 9.098 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

Tgt Ion: 95 Resp: 2893832

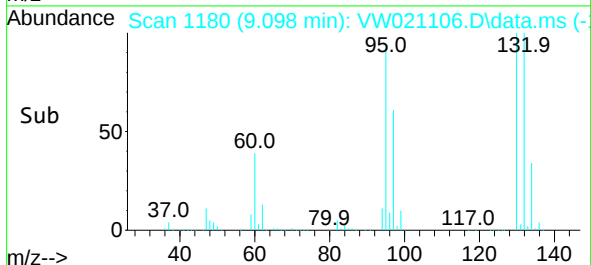
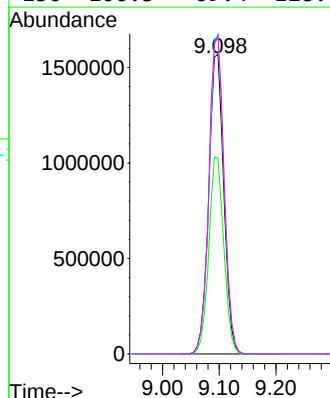
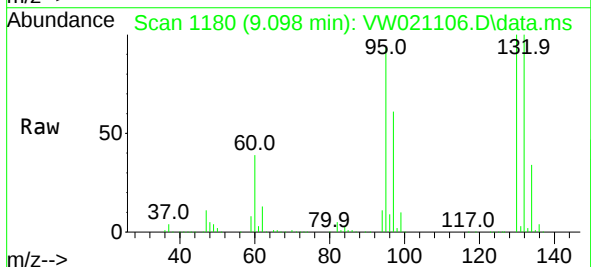
Ion Ratio Lower Upper

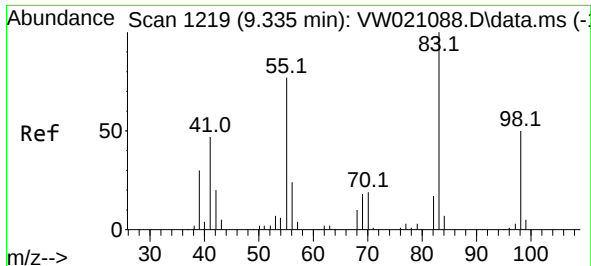
95 100

97 65.3 47.0 87.2

132 106.8 65.5 121.6

130 106.3 69.4 128.8

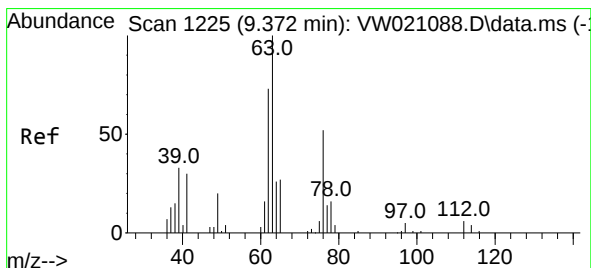
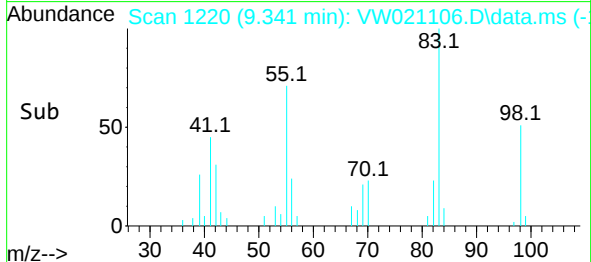
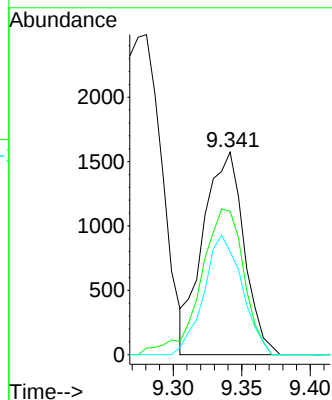
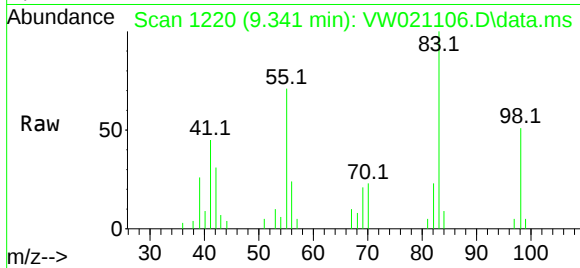




#35
Methylcyclohexane
Concen: 11.927 ug/L
RT: 9.341 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

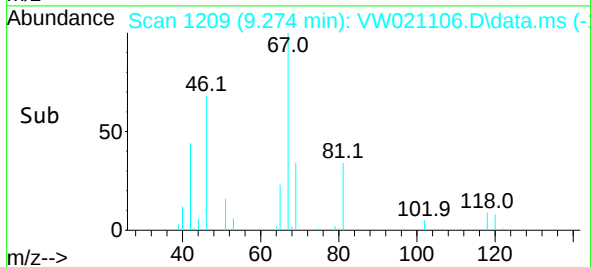
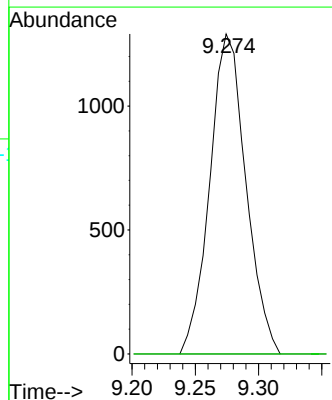
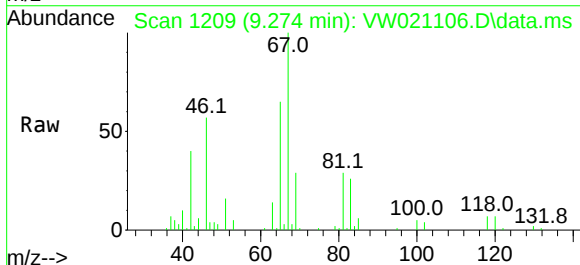
Instrument :
MSVOA_W
ClientSampleId :

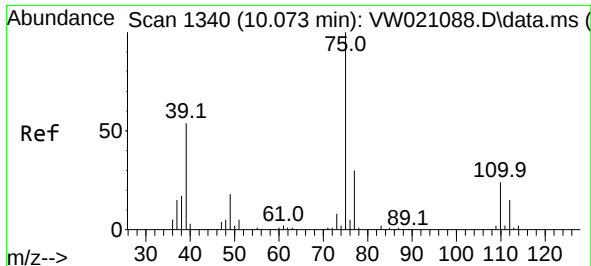
Tgt Ion: 83 Resp: 3263
Ion Ratio Lower Upper
83 100
55 75.7 70.8 106.2
98 55.0 37.7 56.5



#37
1,2-Dichloropropane
Concen: 19.271 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.098 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

Tgt Ion: 63 Resp: 2566
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.746 ug/L

RT: 10.043 min Scan# 11

Delta R.T. -0.031 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

Instrument :

MSVOA_W

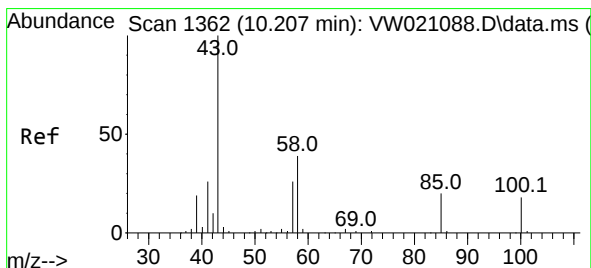
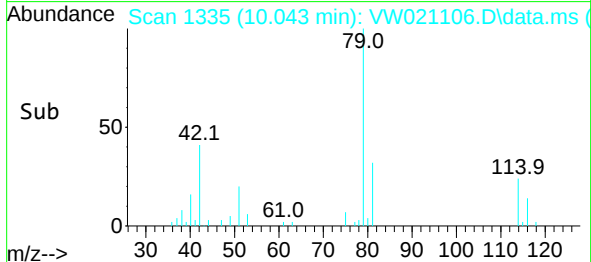
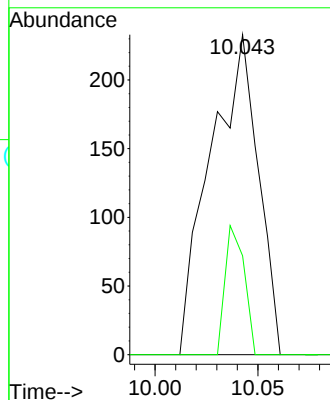
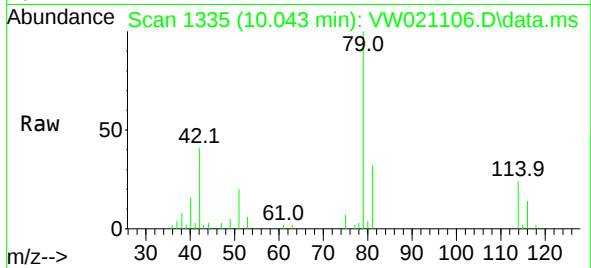
ClientSampleId :

Tgt Ion: 75 Resp: 376

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 5.258 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

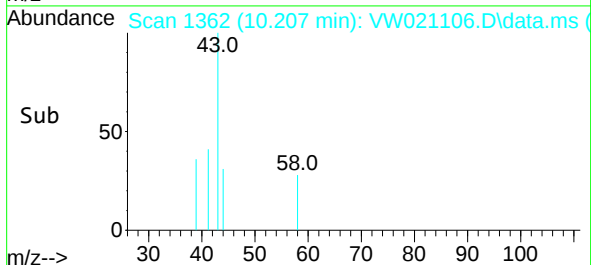
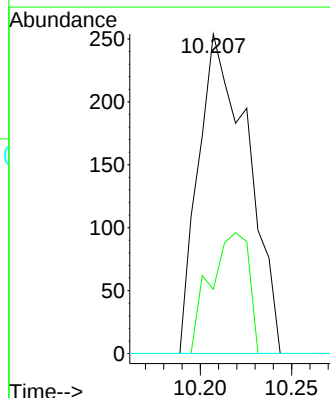
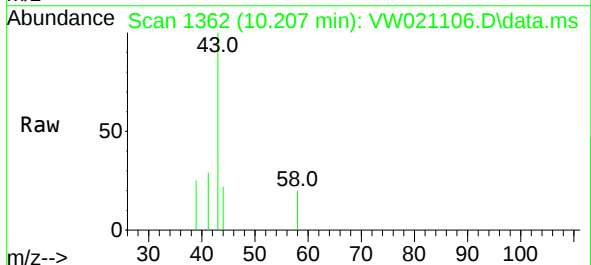
Tgt Ion: 43 Resp: 477

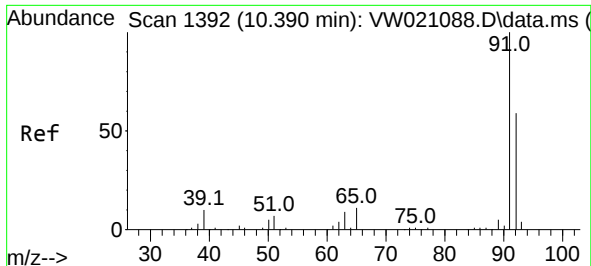
Ion Ratio Lower Upper

43 100

58 29.6 28.8 43.2

100 0.0 10.0 15.0#

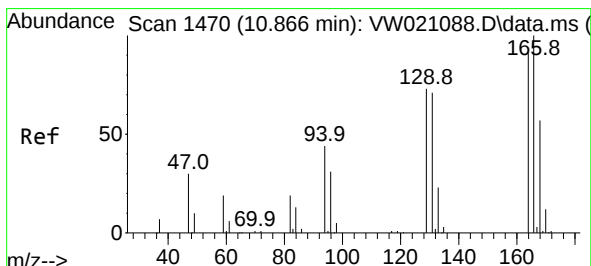
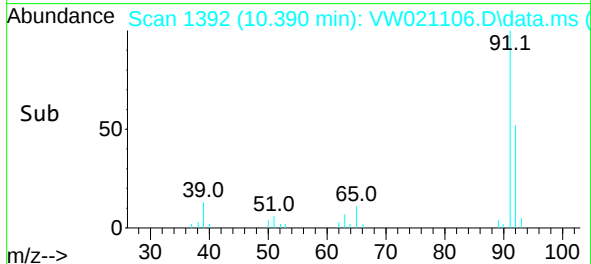
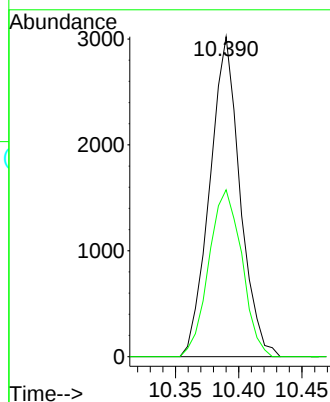
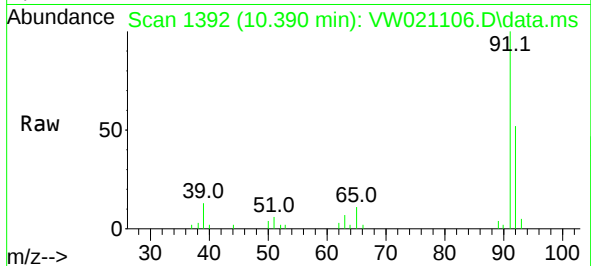




#42
Toluene
Concen: 7.481 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

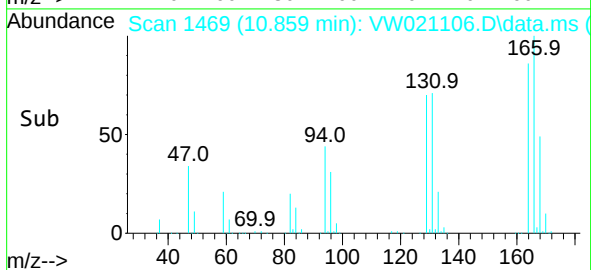
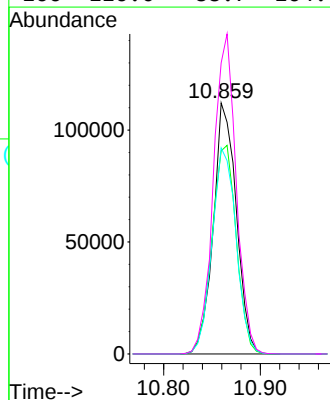
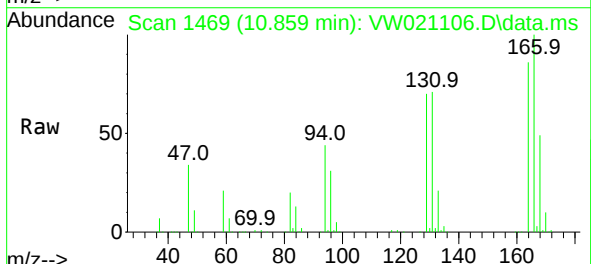
Instrument :
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ClientSampleId :

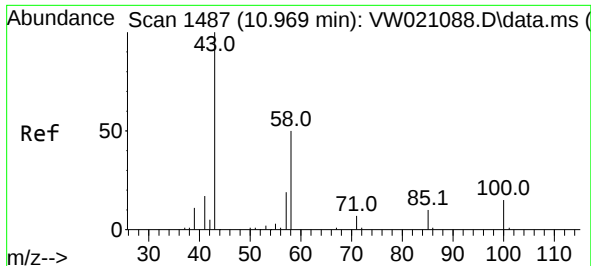
Tgt Ion: 91 Resp: 5034
Ion Ratio Lower Upper
91 100
92 52.2 41.7 77.5



#46
Tetrachloroethene
Concen: 1241.615 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

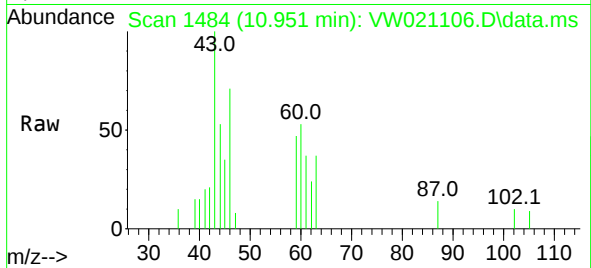
Tgt Ion:164 Resp: 184790
Ion Ratio Lower Upper
164 100
129 80.9 65.5 121.7
131 82.1 59.7 110.9
166 116.0 88.7 164.7



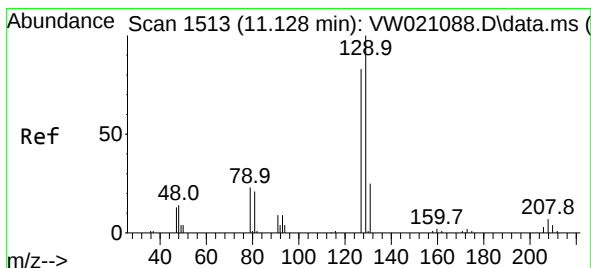
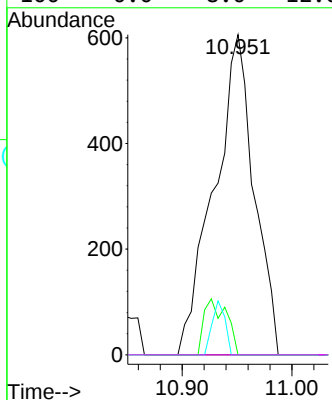
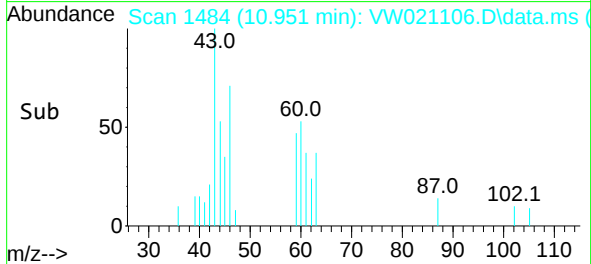


#48
2-Hexanone
Concen: 23.427 ug/L
RT: 10.951 min Scan# 1487
Delta R.T. -0.018 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

Instrument :
MSVOA_W
ClientSampleId :

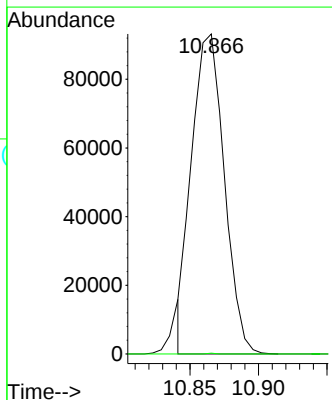
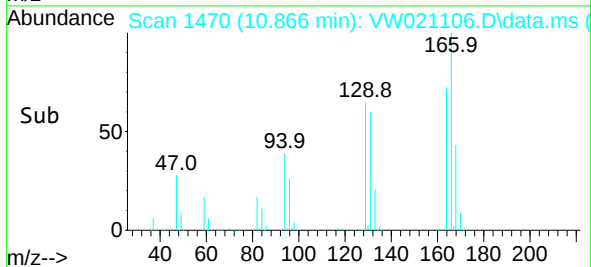
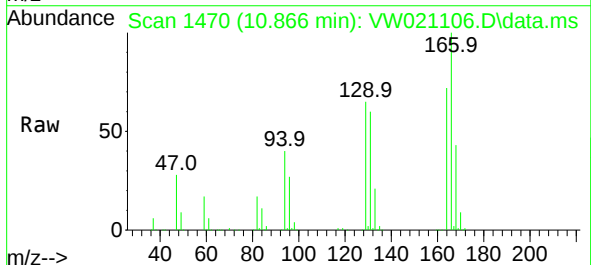


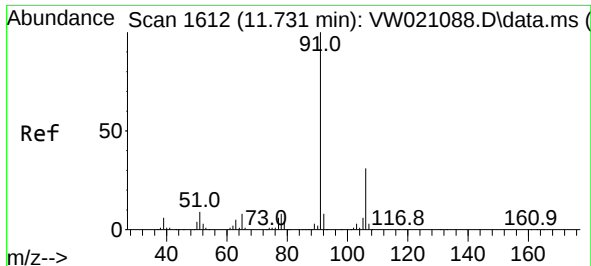
Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
58 6.2 40.2 60.2#
57 5.4 14.3 21.5#
100 0.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 1106.362 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.262 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

Tgt Ion:129 Resp: 154365
Ion Ratio Lower Upper
129 100
127 0.3 55.7 103.5#





#52

Ethylbenzene

Concen: 0.910 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

Instrument :

MSVOA_W

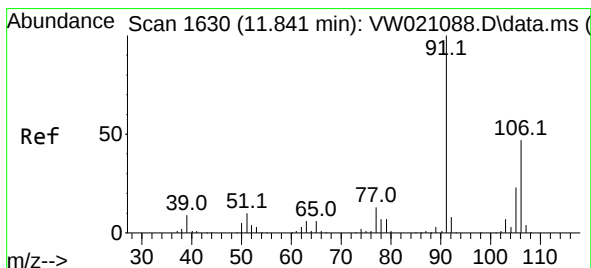
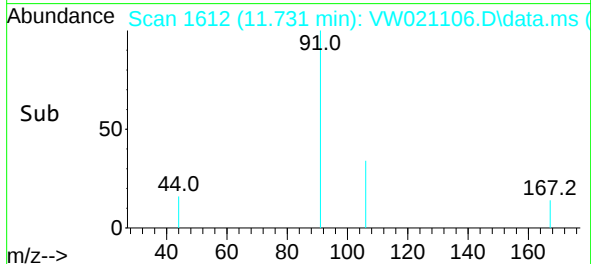
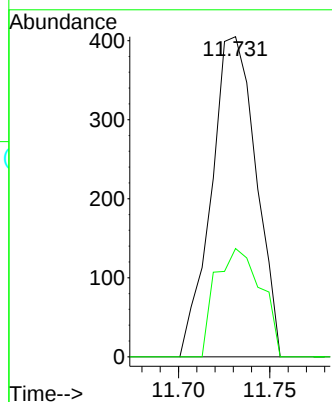
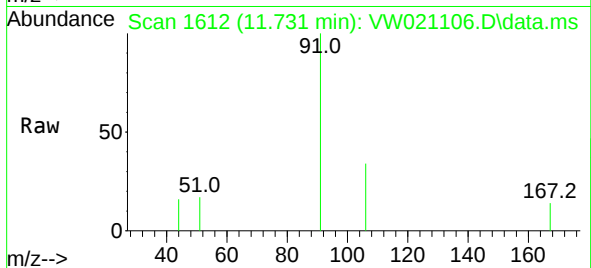
ClientSampleId :

Tgt Ion: 91 Resp: 689

Ion Ratio Lower Upper

91 100

106 33.8 21.5 39.9



#53

m,p-Xylene

Concen: 3.360 ug/L

RT: 11.829 min Scan# 1628

Delta R.T. -0.012 min

Lab File: VW021106.D

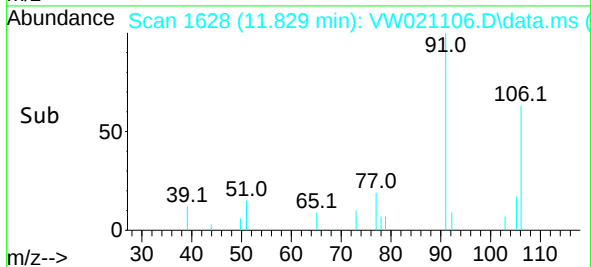
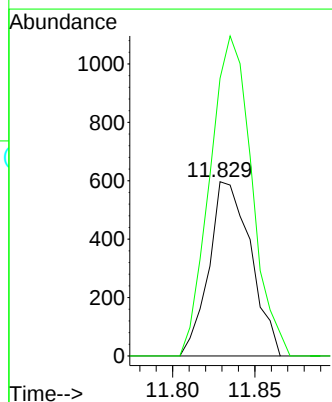
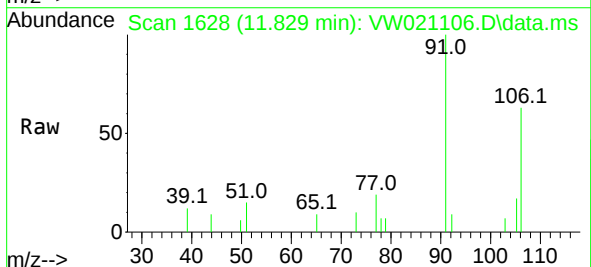
Acq: 04 Dec 2021 08:51

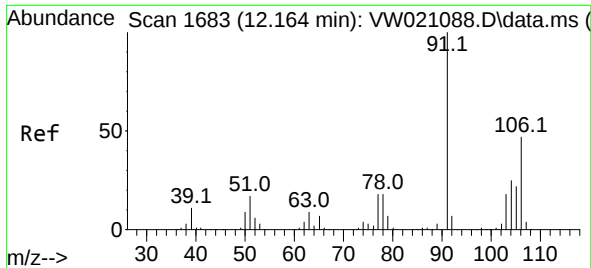
Tgt Ion: 106 Resp: 1053

Ion Ratio Lower Upper

106 100

91 159.3 149.9 278.3

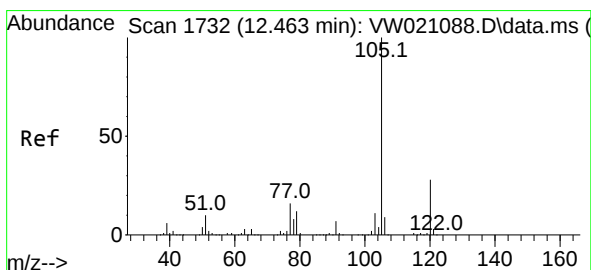
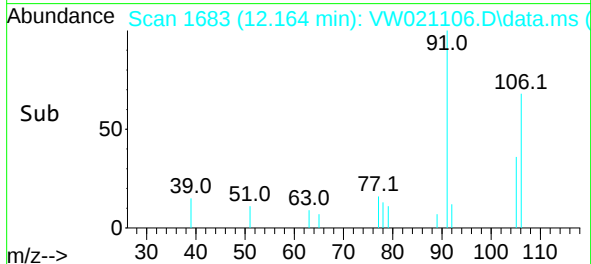
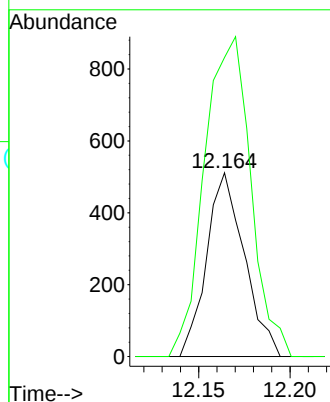
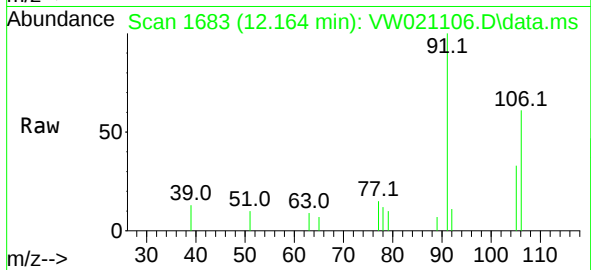




#54
o-Xylene
Concen: 2.491 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

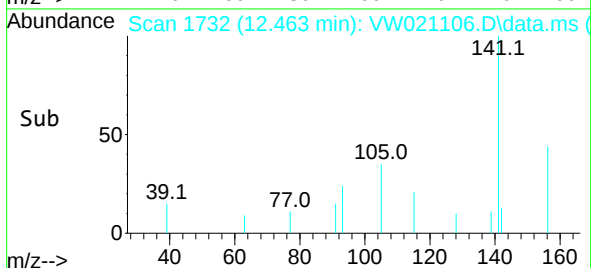
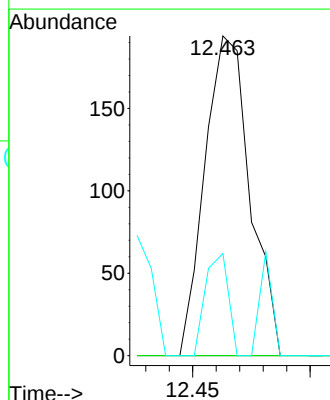
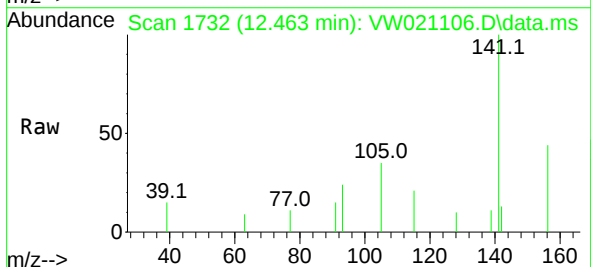
Instrument :
MSVOA_W
ClientSampleId :

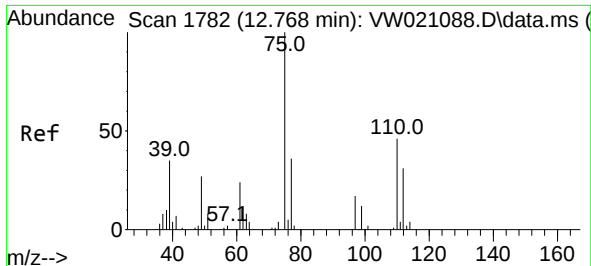
Tgt Ion:106 Resp: 736
Ion Ratio Lower Upper
106 100
91 162.8 153.6 285.3



#60
Isopropylbenzene
Concen: 1.164 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021106.D
Acq: 04 Dec 2021 08:51

Tgt Ion:105 Resp: 260
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 16.2 13.8 20.8





#61

1,2,3-Trichloropropane

Concen: 10.104 ug/L

RT: 12.847 min Scan# 1795

Delta R.T. 0.079 min

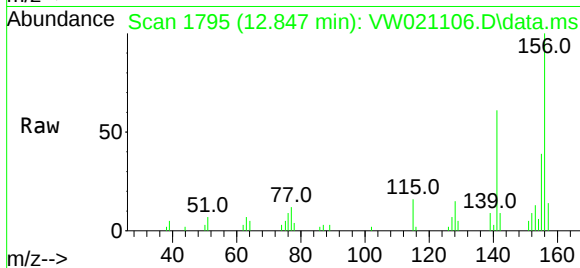
Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

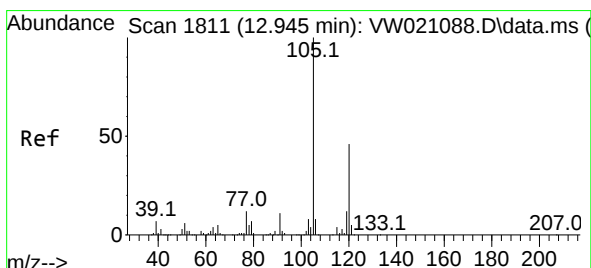
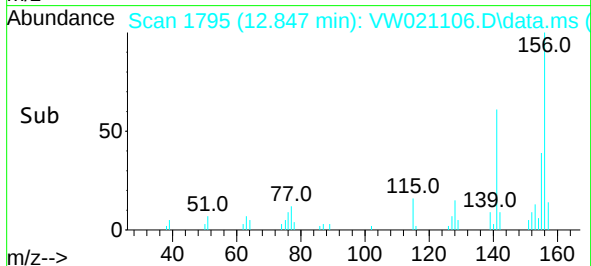
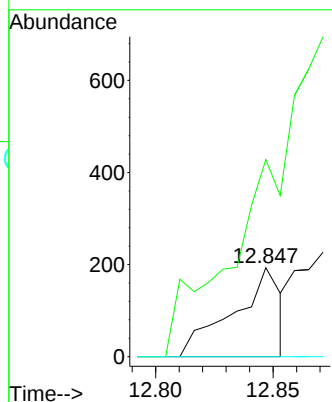
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 75	Resp:	272
Ion Ratio	Lower	Upper
75	100	
77	127.2	25.8 38.8#
110	0.0	29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 1.101 ug/L

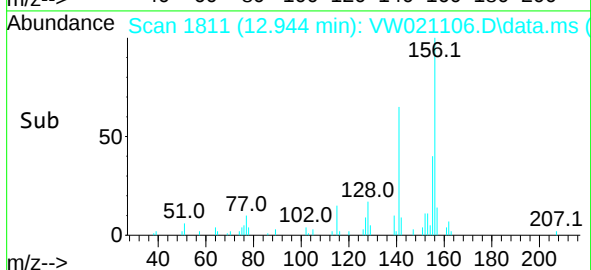
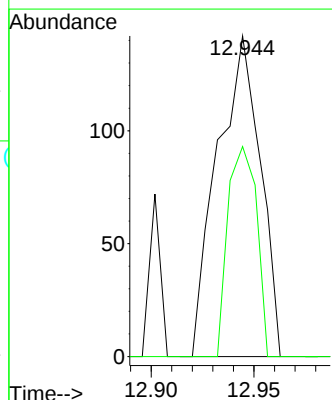
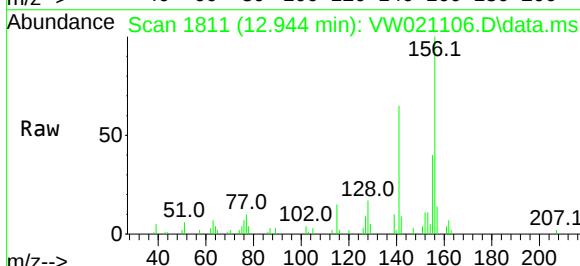
RT: 12.944 min Scan# 1811

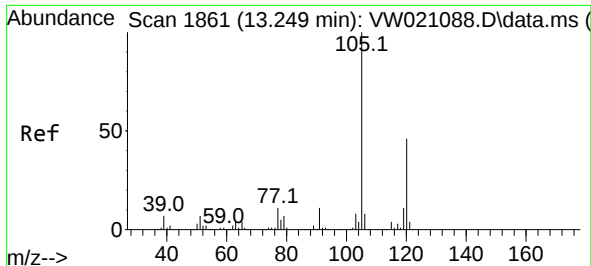
Delta R.T. -0.000 min

Lab File: VW021106.D

Acq: 04 Dec 2021 08:51

Tgt Ion: 105	Resp:	206
Ion Ratio	Lower	Upper
105	100	
120	43.7	37.4 56.2

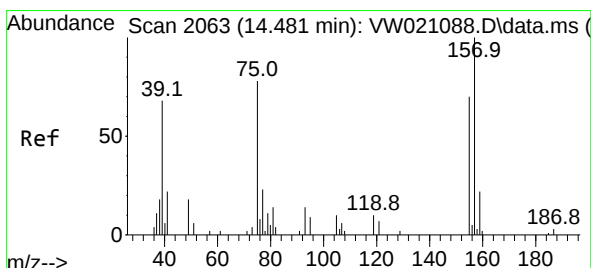
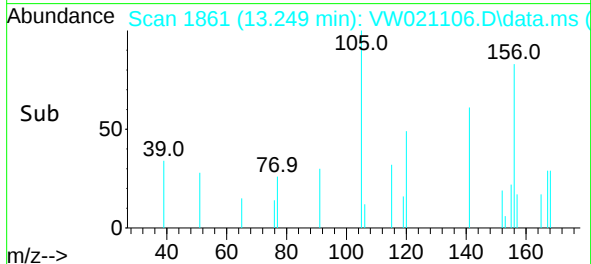
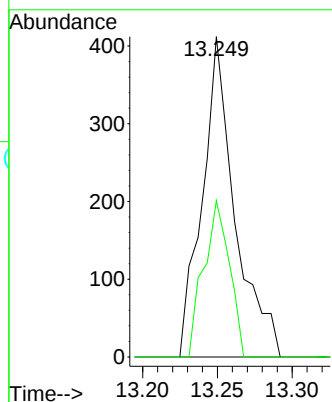
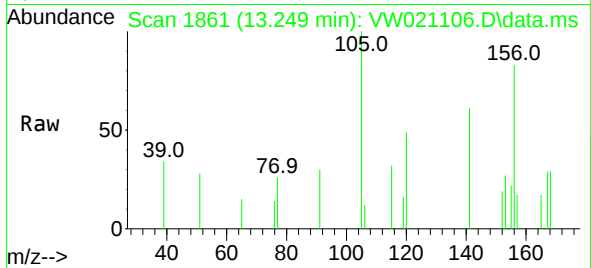




#63
 1,2,4-Trimethylbenzene
 Concen: 3.333 ug/L
 RT: 13.249 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW021106.D
 Acq: 04 Dec 2021 08:51

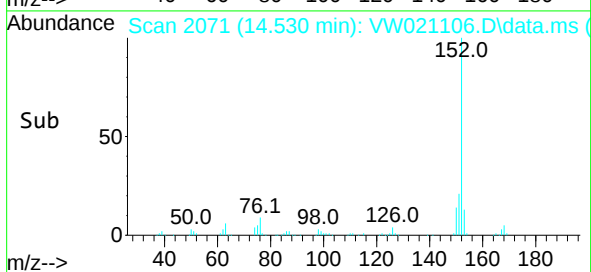
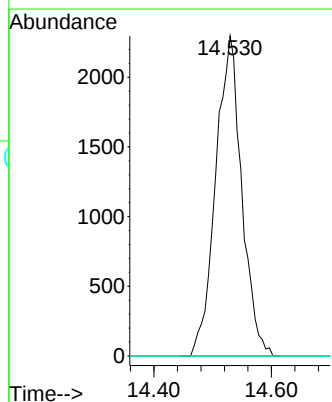
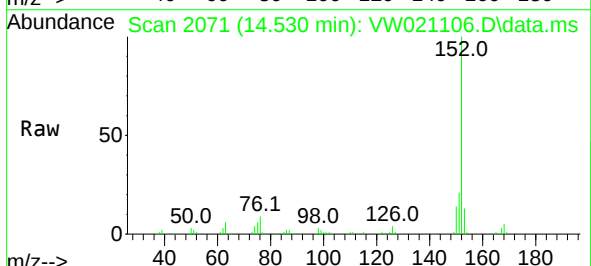
Instrument :
 MSVOA_W
 ClientSampleId :

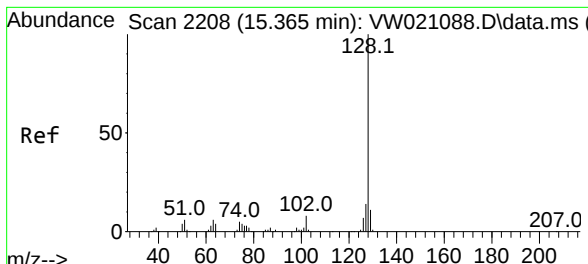
Tgt Ion:105 Resp: 627
 Ion Ratio Lower Upper
 105 100
 120 38.3 35.0 52.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1162.079 ug/L
 RT: 14.530 min Scan# 2071
 Delta R.T. 0.049 min
 Lab File: VW021106.D
 Acq: 04 Dec 2021 08:51

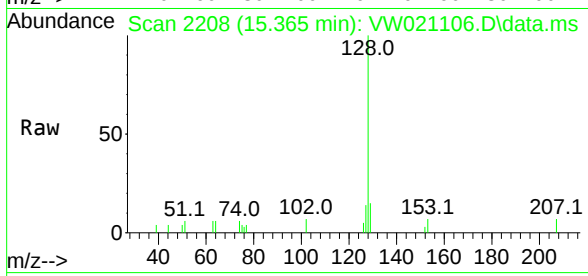
Tgt Ion: 75 Resp: 7064
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.2 81.2#
 157 0.0 69.4 104.2#





#71
 Naphthalene
 Concen: 22.675 ug/L
 RT: 15.365 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW021106.D
 Acq: 04 Dec 2021 08:51

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	128	Resp:	2677
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	13.3	8.6	12.8#

