

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111121\
 Data File : VW020848.D
 Acq On : 11 Nov 2021 11:33
 Operator : SY/VA
 Sample : M4615-02RE
 Misc : 3.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 12 06:16:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 12 06:15:35 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	191940	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	158059	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.670	152	24713	25.000	ug/L	0.12
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	50182	27.807	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 111.240%	
7) Chloroethane-d5	2.879	69	29139	28.357	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 113.440%	
11) 1,1-Dichloroethene-d2	4.013	63	61603	16.263	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 65.040%	
21) 2-Butanone-d5	7.074	46	21438	35.770	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 71.540%	
24) Chloroform-d	7.647	84	99801	23.401	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 93.600%	
26) 1,2-Dichloroethane-d4	8.305	65	50313	22.161	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 88.640%	
32) Benzene-d6	8.275	84	198012	27.728	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 110.920%	
36) 1,2-Dichloropropane-d6	9.274	67	64196	29.035	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 116.160%	
41) Toluene-d8	10.323	98	212311	30.559	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 122.240%	
43) trans-1,3-Dichloroprop...	10.579	79	25827	23.551	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 94.200%	
47) 2-Hexanone-d5	10.921	63	18087	40.431	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 161.720%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	54240	29.601	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 118.400%	
66) 1,2-Dichlorobenzene-d4	13.859	152	79580	102.467	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 409.880%#	
Target Compounds						Qvalue
13) Acetone	4.117	43	139086	249.363	ug/L	92
15) Methyl Acetate	4.678	43	89115	90.149	ug/L	94
18) Methyl tert-butyl Ether	5.422	73	9946	2.693	ug/L #	87
22) 2-Butanone	7.171	43	4497	6.068	ug/L	93
29) Cyclohexane	7.952	56	2994	0.726	ug/L #	28
35) Methylcyclohexane	9.335	83	67900	15.442	ug/L #	58
37) 1,2-Dichloropropane	9.274	63	9368	4.180	ug/L #	1
39) cis-1,3-Dichloropropene	10.030	75	2306	0.632	ug/L #	70
42) Toluene	10.390	91	230903	22.684	ug/L	95
45) 1,1,2-Trichloroethane	10.762	97	118929	71.504	ug/L #	19
48) 2-Hexanone	10.933	43	149338	139.626	ug/L #	29
52) Ethylbenzene	11.731	91	480749	42.153	ug/L	96
53) m,p-Xylene	11.835	106	795878	174.172	ug/L	91
54) o-Xylene	12.164	106	438933	101.404	ug/L	98
55) Styrene	12.164	104	23254	3.160	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.682	83	98242	50.397	ug/L #	51
60) Isopropylbenzene	12.463	105	382479	112.289	ug/L	95
62) 1,3,5-Trimethylbenzene	12.951	105	1234018	421.604	ug/L	94
63) 1,2,4-Trimethylbenzene	13.255	105	7260928	2497.231	ug/L	92

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Quant Title : SFAM01.0
QLast Update : Fri Nov 12 06:15:35 2021
Response via : Initial Calibration

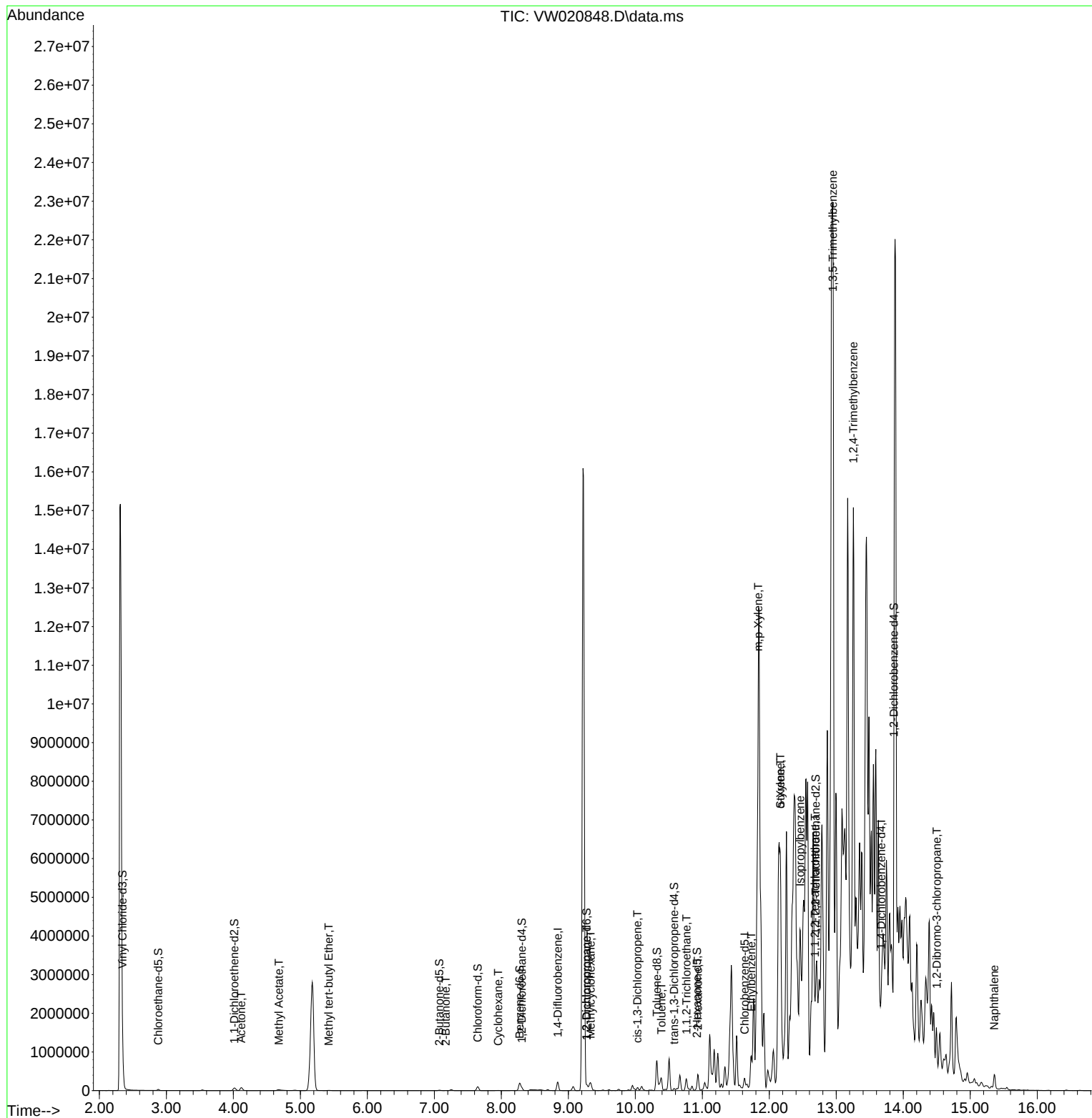
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.499	75	1369	13.713	ug/L	# 38
71) Naphthalene	15.359	128	340108	192.547	ug/L	99

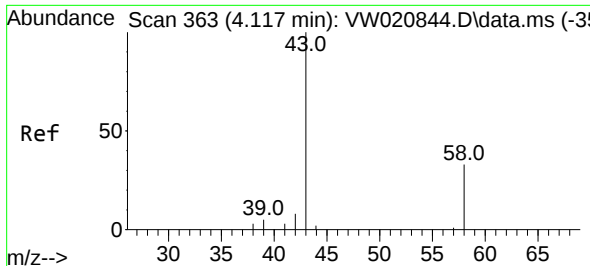
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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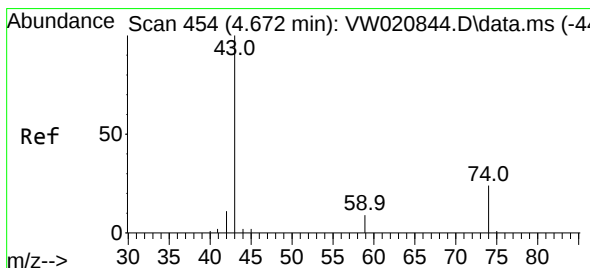
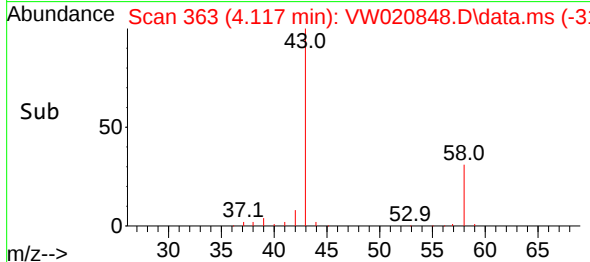
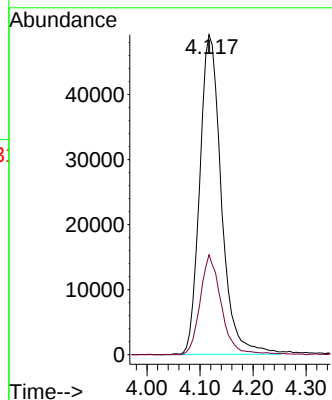
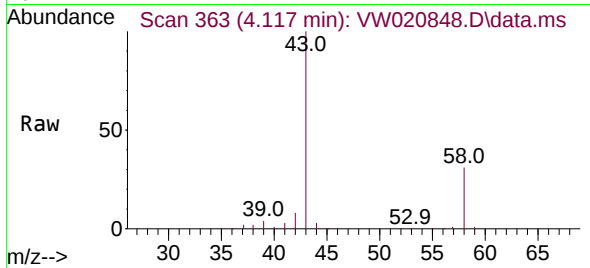




#13
Acetone
Concen: 249.363 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.000 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

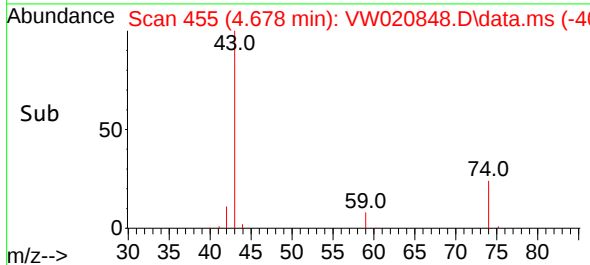
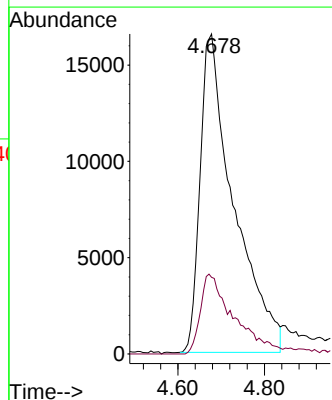
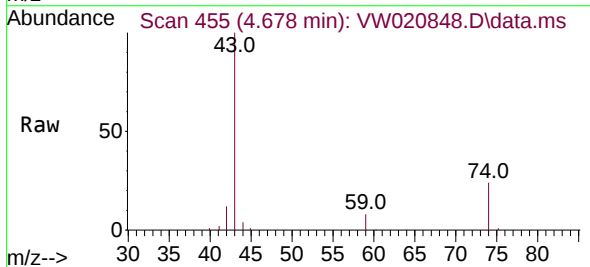
Instrument :
MSVOA_W
ClientSampleId :

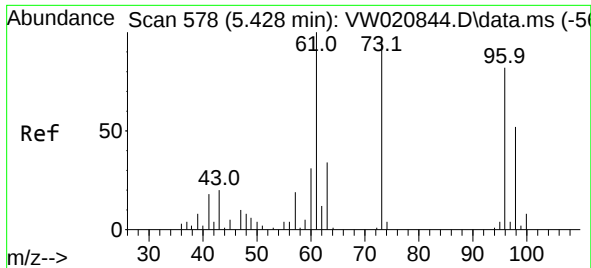
Tgt Ion: 43 Resp: 139086
Ion Ratio Lower Upper
43 100
58 30.3 0.0 52.8



#15
Methyl Acetate
Concen: 90.149 ug/L
RT: 4.678 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

Tgt Ion: 43 Resp: 89115
Ion Ratio Lower Upper
43 100
74 17.8 16.4 24.6

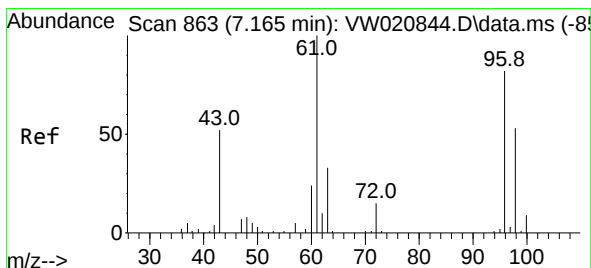
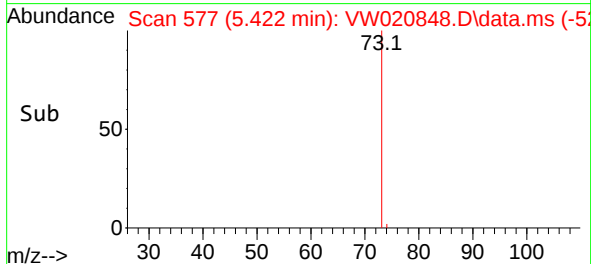
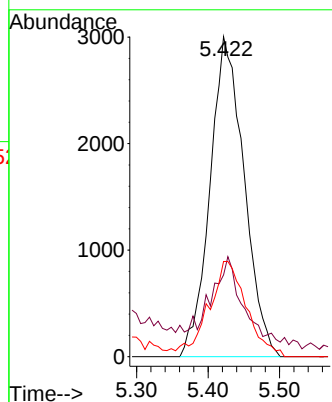
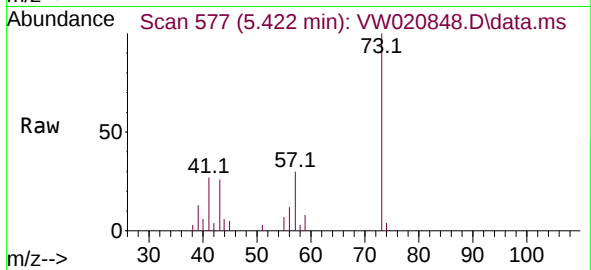




#18
Methyl tert-butyl Ether
Concen: 2.693 ug/L
RT: 5.422 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

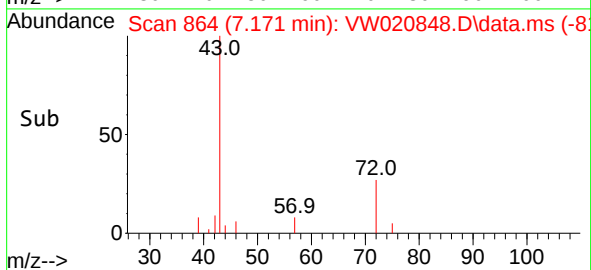
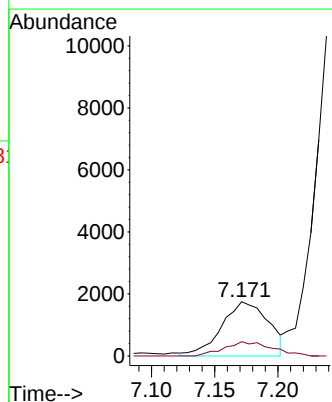
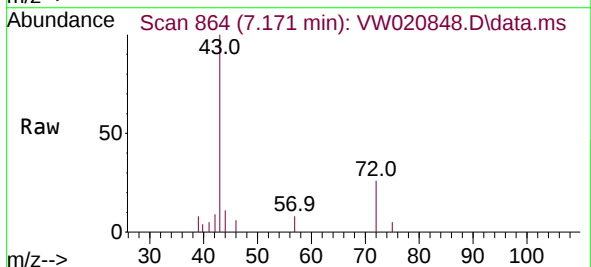
Instrument :
MSVOA_W
ClientSampleId :

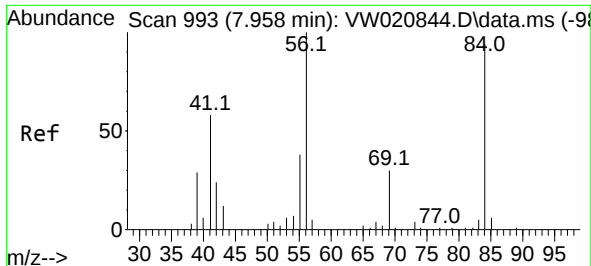
Tgt Ion: 73 Resp: 9946
Ion Ratio Lower Upper
73 100
43 19.0 19.5 29.3#
57 31.8 19.3 28.9#



#22
2-Butanone
Concen: 6.068 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

Tgt Ion: 43 Resp: 4497
Ion Ratio Lower Upper
43 100
72 26.8 11.8 35.4





#29

Cyclohexane

Concen: 0.726 ug/L

RT: 7.952 min Scan# 992

Delta R.T. -0.006 min

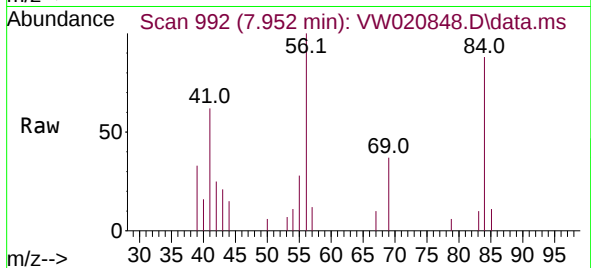
Lab File: VW020848.D

Acq: 11 Nov 2021 11:33

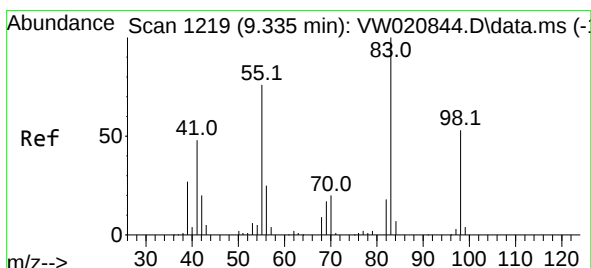
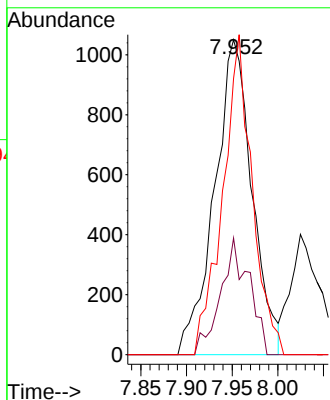
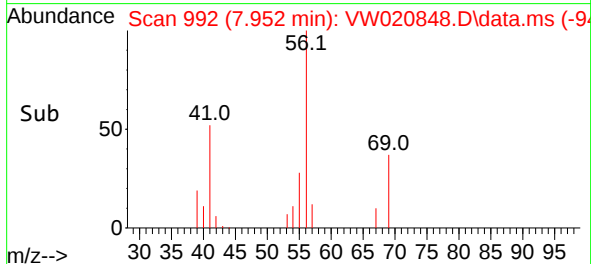
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	2994
Ion	Ratio	Lower	Upper
56	100		
69	16.8	23.5	35.3#
84	0.0	63.4	95.2#



#35

Methylcyclohexane

Concen: 15.442 ug/L

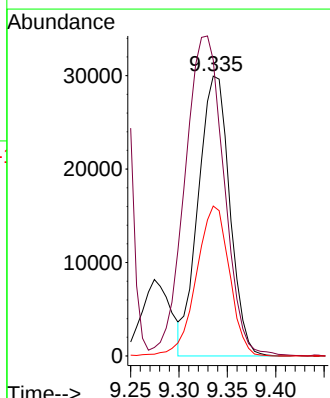
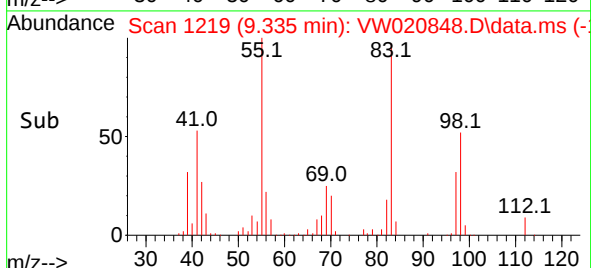
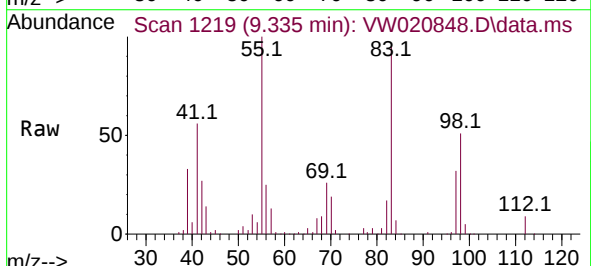
RT: 9.335 min Scan# 1219

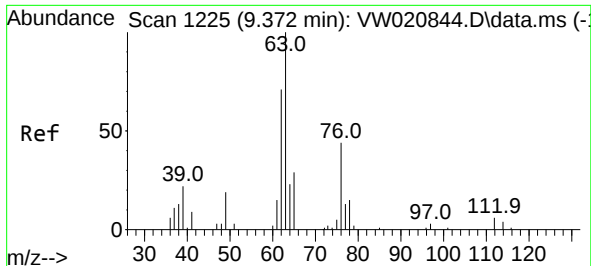
Delta R.T. 0.000 min

Lab File: VW020848.D

Acq: 11 Nov 2021 11:33

Tgt Ion:	83	Resp:	67900
Ion	Ratio	Lower	Upper
83	100		
55	141.5	70.8	106.2#
98	56.3	37.7	56.5





#37

1,2-Dichloropropane

Concen: 4.180 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW020848.D

Acq: 11 Nov 2021 11:33

Instrument :

MSVOA_W

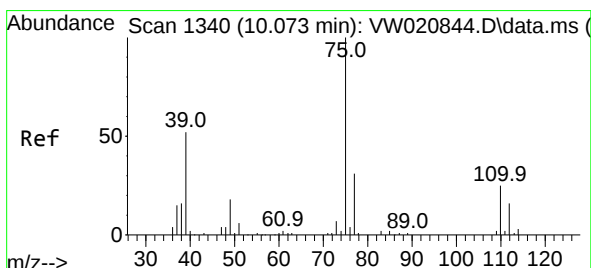
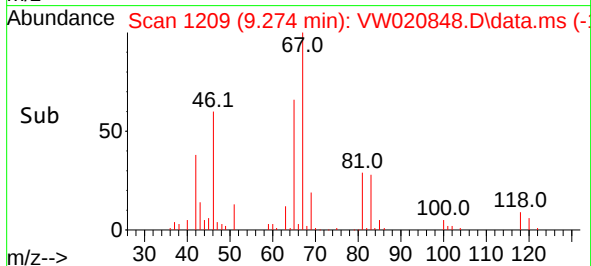
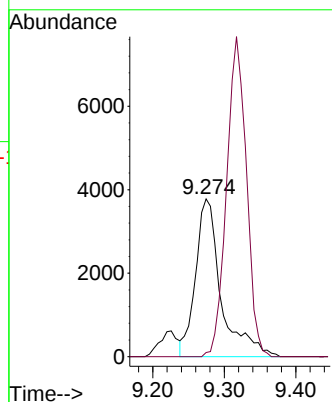
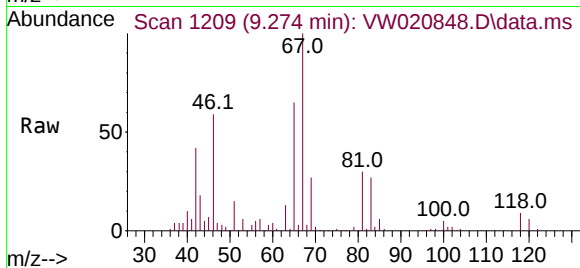
ClientSampleId :

Tgt Ion: 63 Resp: 9368

Ion Ratio Lower Upper

63 100

112 157.6 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.632 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW020848.D

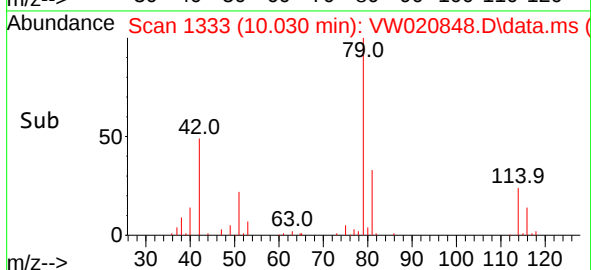
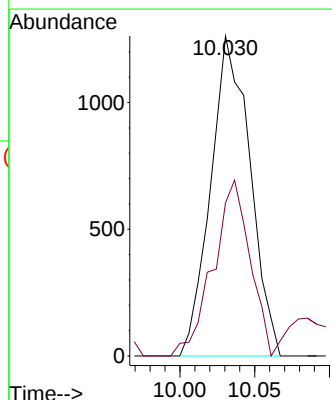
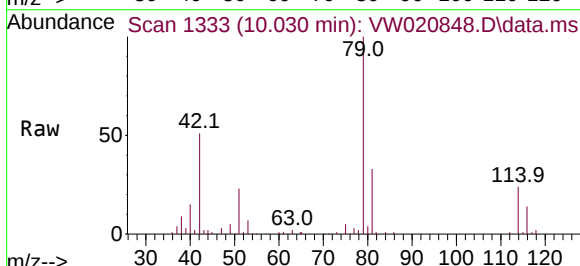
Acq: 11 Nov 2021 11:33

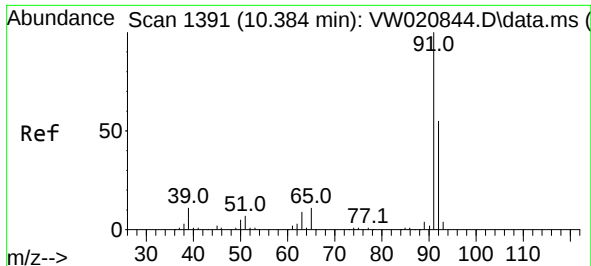
Tgt Ion: 75 Resp: 2306

Ion Ratio Lower Upper

75 100

77 47.8 21.8 40.6#

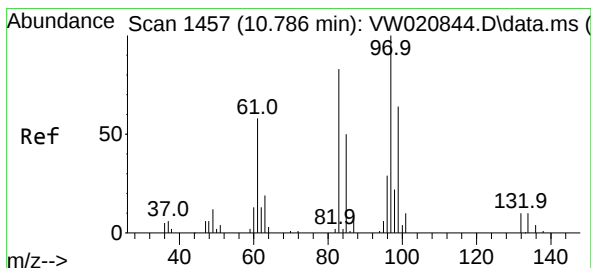
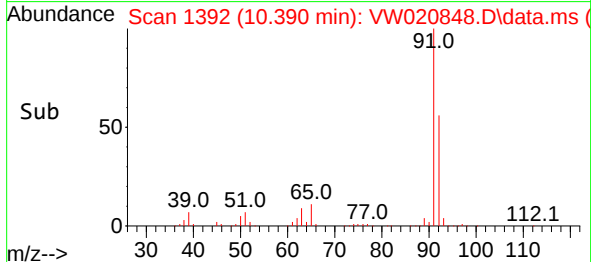
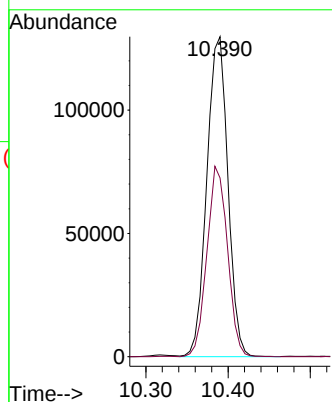
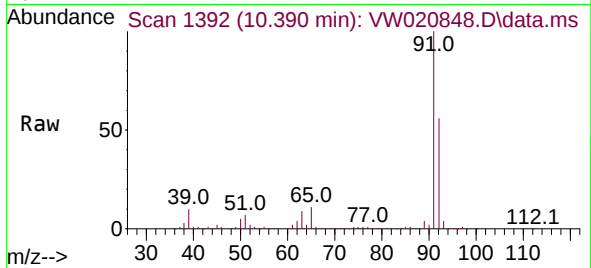




#42
Toluene
Concen: 22.684 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

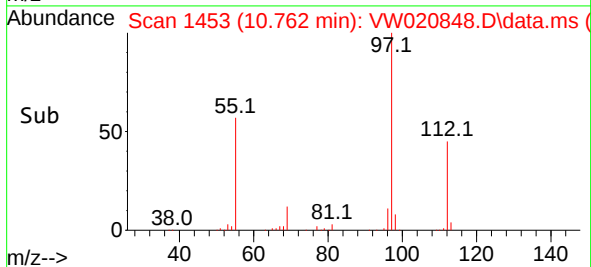
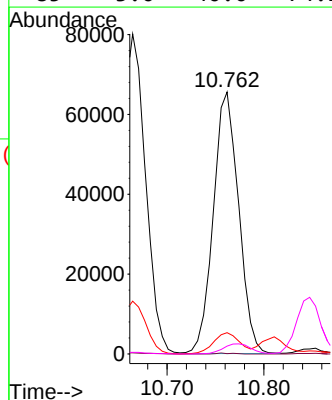
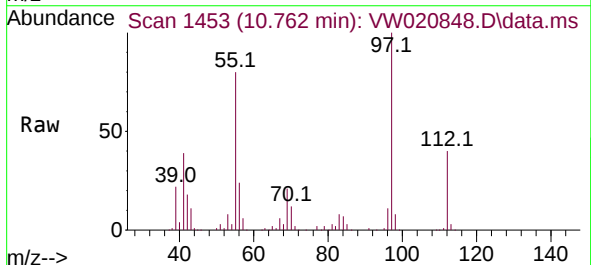
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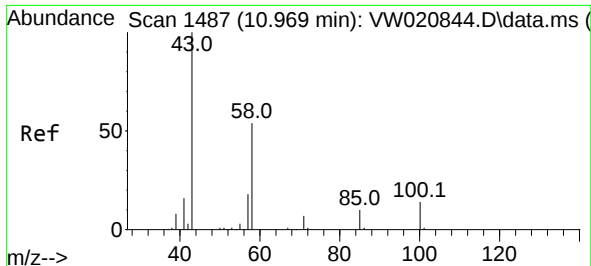
Tgt Ion: 91 Resp: 230903
Ion Ratio Lower Upper
91 100
92 55.9 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 71.504 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

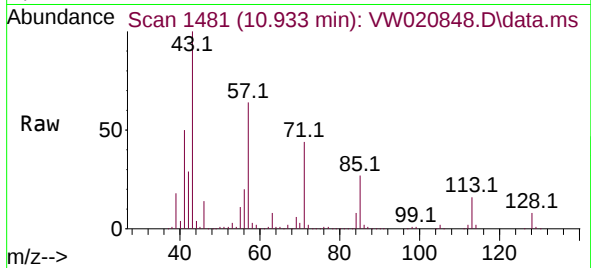
Tgt Ion: 97 Resp: 118929
Ion Ratio Lower Upper
97 100
99 0.2 43.0 79.8#
83 8.1 62.6 116.3#
85 3.0 40.0 74.2#



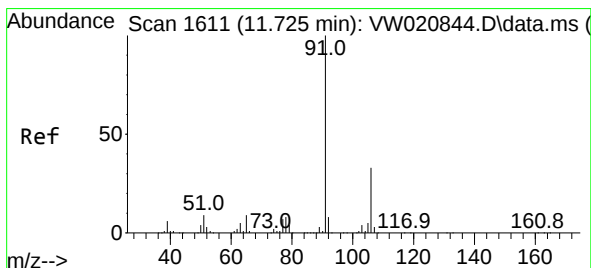
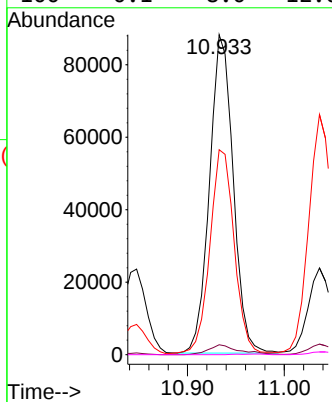
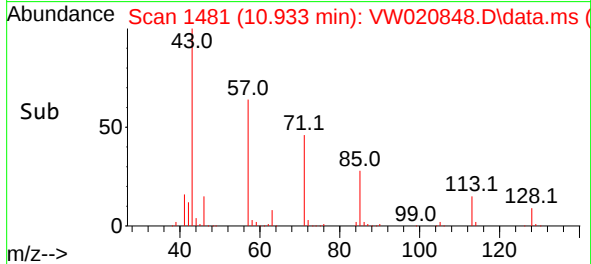


#48
2-Hexanone
Concen: 139.626 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

Instrument :
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ClientSampleId :

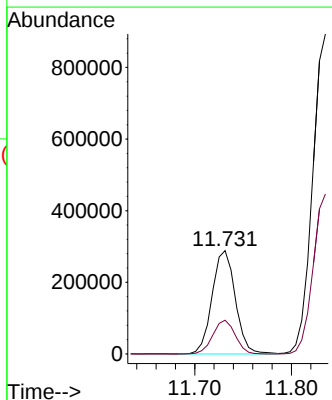
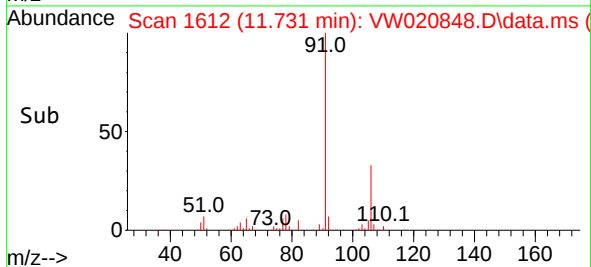
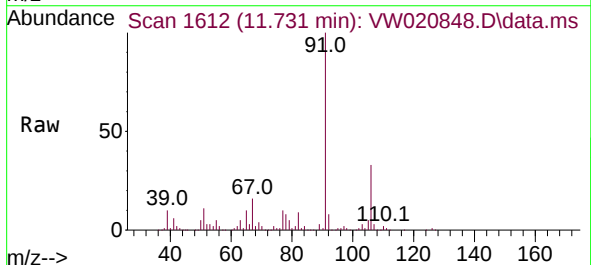


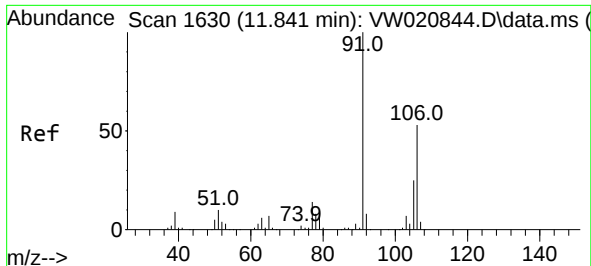
Tgt Ion: 43 Resp: 149338
Ion Ratio Lower Upper
43 100
58 4.0 40.2 60.2#
57 65.9 14.3 21.5#
100 0.1 8.0 12.0#



#52
Ethylbenzene
Concen: 42.153 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

Tgt Ion: 91 Resp: 480749
Ion Ratio Lower Upper
91 100
106 32.7 21.5 39.9

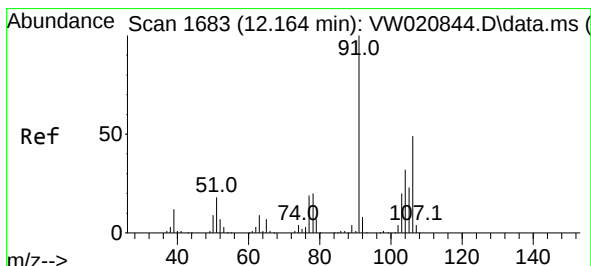
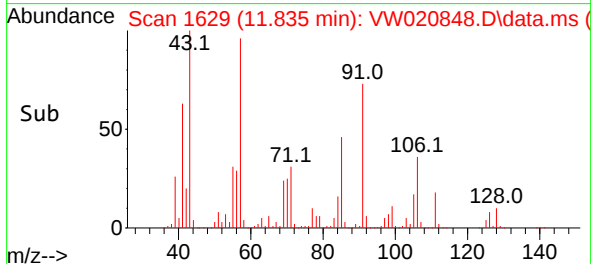
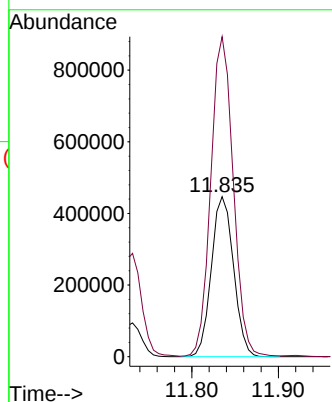
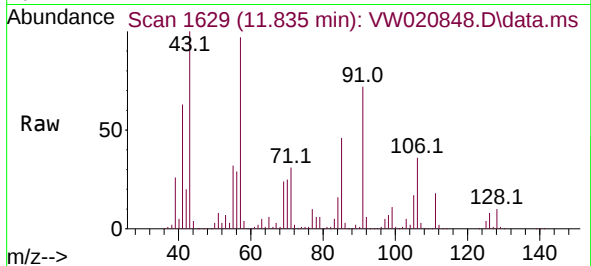




#53
m,p-Xylene
Concen: 174.172 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

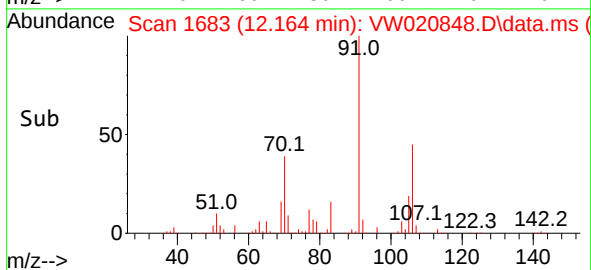
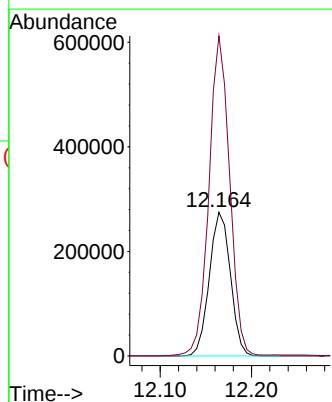
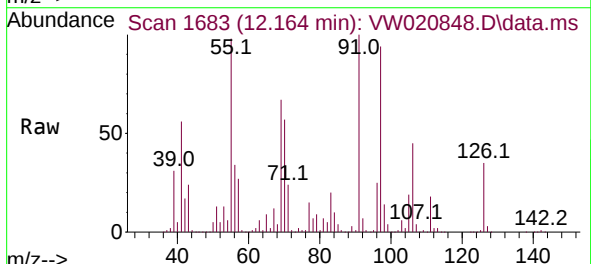
Instrument :
MSVOA_W
ClientSampleId :

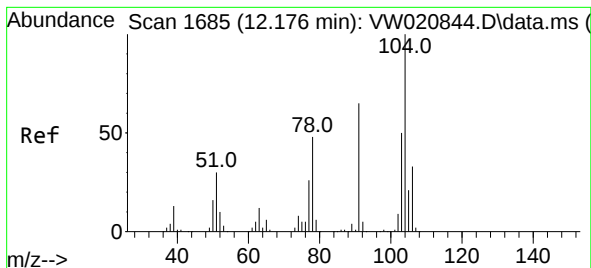
Tgt Ion:106 Resp: 795878
Ion Ratio Lower Upper
106 100
91 199.9 149.9 278.3



#54
o-Xylene
Concen: 101.404 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

Tgt Ion:106 Resp: 438933
Ion Ratio Lower Upper
106 100
91 222.7 153.6 285.3





#55

Styrene

Concen: 3.160 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW020848.D

Acq: 11 Nov 2021 11:33

Instrument :

MSVOA_W

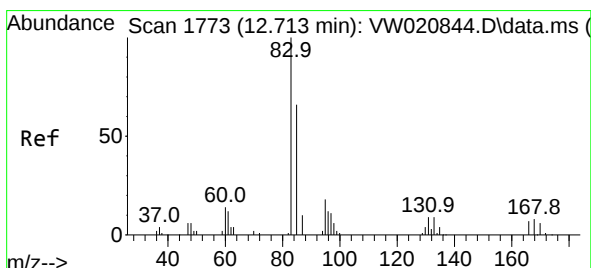
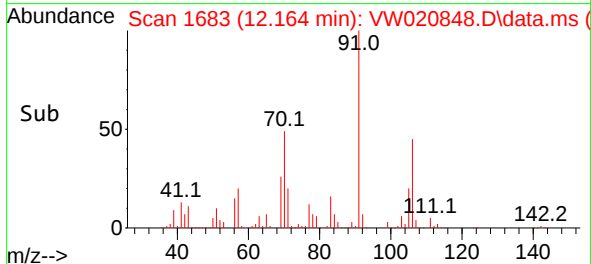
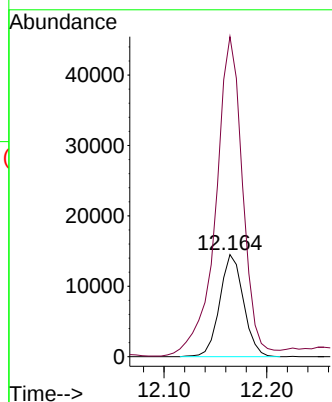
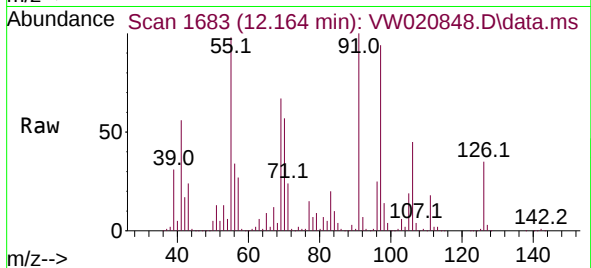
ClientSampleId :

Tgt Ion:104 Resp: 23254

Ion Ratio Lower Upper

104 100

78 313.6 34.4 64.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 50.397 ug/L

RT: 12.682 min Scan# 1768

Delta R.T. -0.030 min

Lab File: VW020848.D

Acq: 11 Nov 2021 11:33

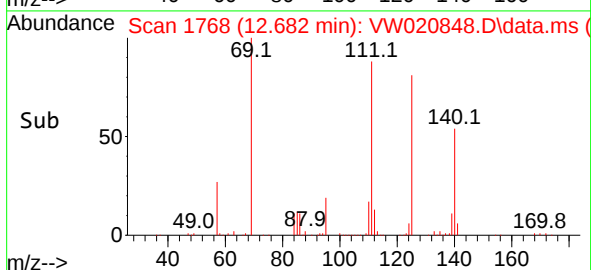
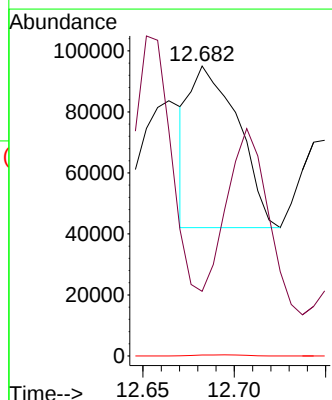
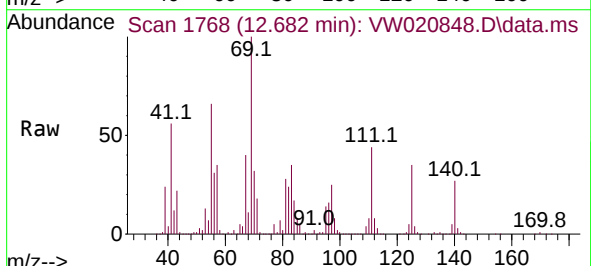
Tgt Ion: 83 Resp: 98242

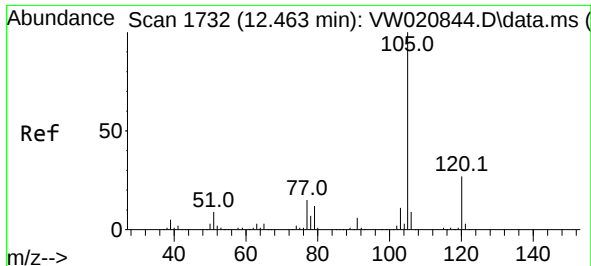
Ion Ratio Lower Upper

83 100

85 22.3 44.0 81.6#

131 0.3 6.9 10.3#

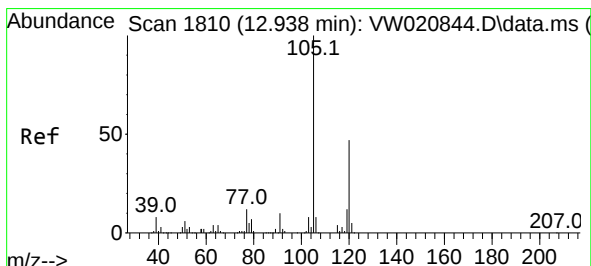
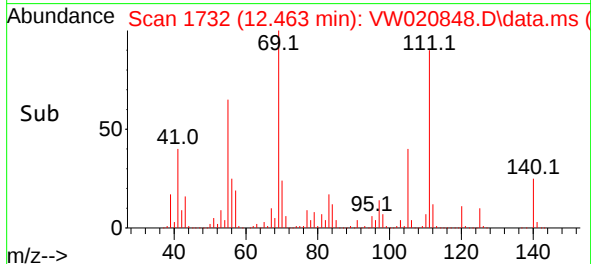
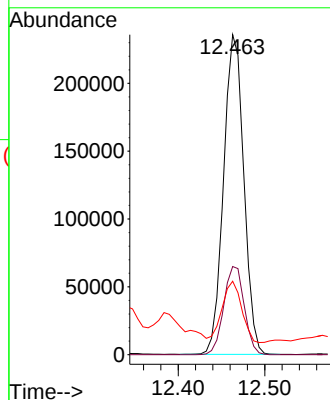
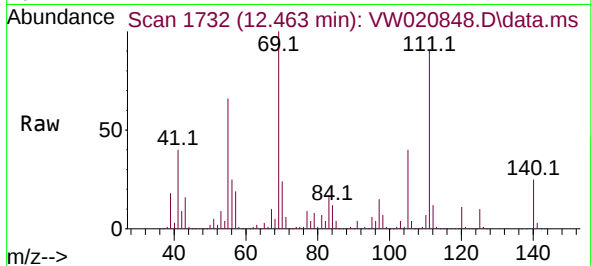




#60
Isopropylbenzene
Concen: 112.289 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

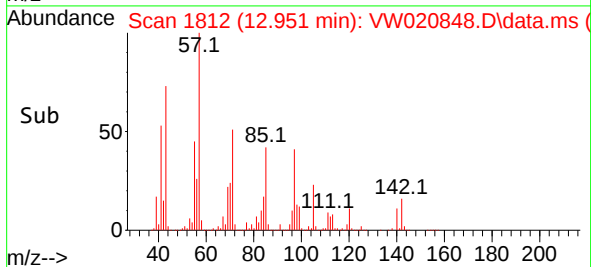
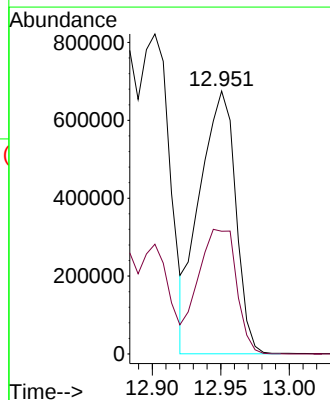
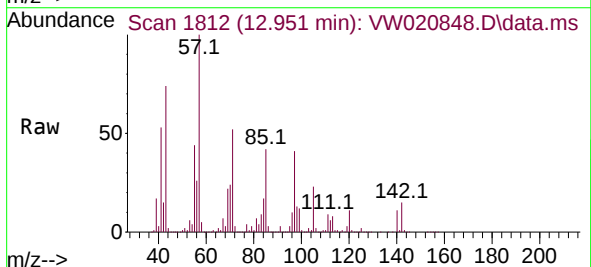
Instrument :
MSVOA_W
ClientSampleId :

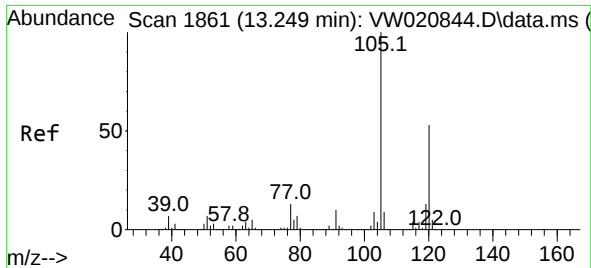
Tgt Ion:105 Resp: 382479
Ion Ratio Lower Upper
105 100
120 27.9 20.1 30.1
77 18.7 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 421.604 ug/L
RT: 12.951 min Scan# 1812
Delta R.T. 0.012 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

Tgt Ion:105 Resp: 1234018
Ion Ratio Lower Upper
105 100
120 50.6 37.4 56.2

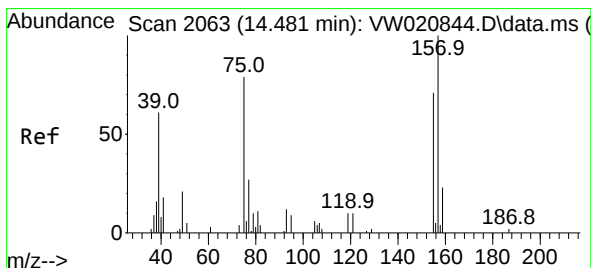
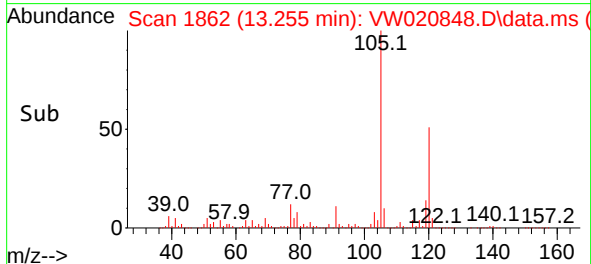
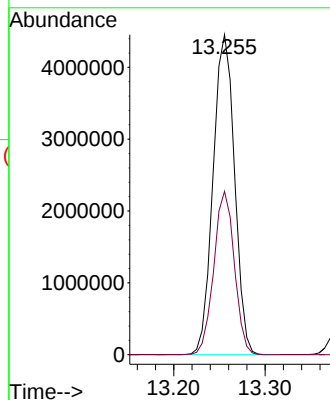
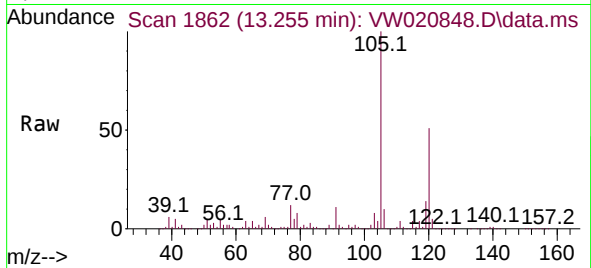




#63
1,2,4-Trimethylbenzene
Concen: 2497.231 ug/L
RT: 13.255 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

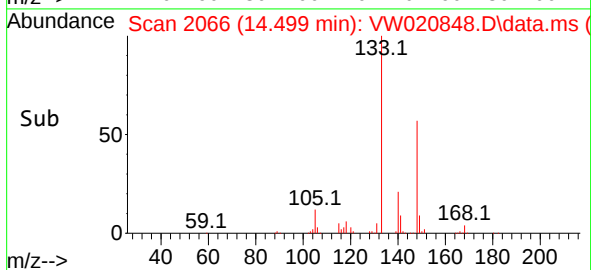
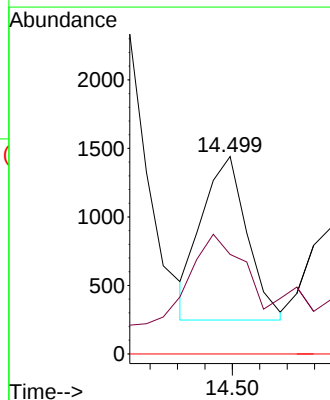
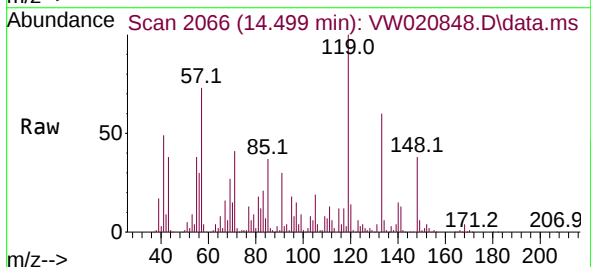
Instrument :
MSVOA_W
ClientSampleId :

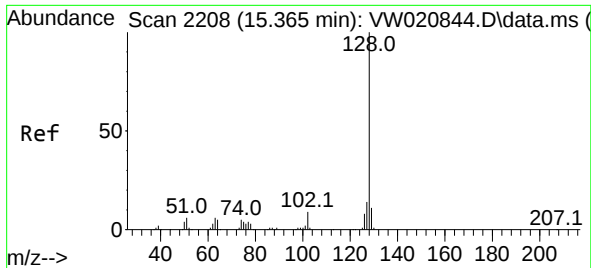
Tgt Ion:105 Resp: 7260928
Ion Ratio Lower Upper
105 100
120 48.9 35.0 52.6



#68
1,2-Dibromo-3-chloropropane
Concen: 13.713 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

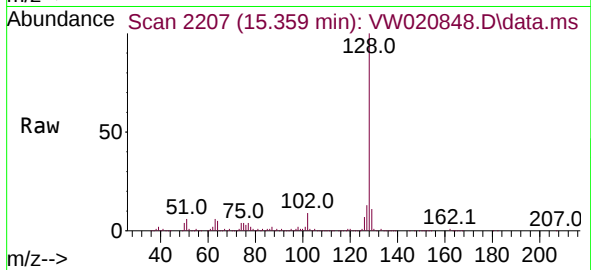
Tgt Ion: 75 Resp: 1369
Ion Ratio Lower Upper
75 100
155 50.4 54.2 81.2#
157 0.0 69.4 104.2#





#71
Naphthalene
Concen: 192.547 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW020848.D
Acq: 11 Nov 2021 11:33

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 340108
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 10.6 8.6 12.8

