

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111121\
 Data File : VW020846.D
 Acq On : 11 Nov 2021 10:30
 Operator : SY/VA
 Sample : M4615-02
 Misc : 5.97g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 12 06:16:20 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	8.841	114	223391	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	188913	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	114903	25.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	51326	24.437	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.760%
7) Chloroethane-d5	2.879	69	29098	24.330	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.320%
11) 1,1-Dichloroethene-d2	4.013	63	62025	14.069	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.280%
21) 2-Butanone-d5	7.080	46	21574	30.929	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.860%
24) Chloroform-d	7.647	84	98713	19.887	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.560%
26) 1,2-Dichloroethane-d4	8.305	65	49202	18.620	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.480%
32) Benzene-d6	8.275	84	198007	23.199	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	9.274	67	74819	28.313	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.240%
41) Toluene-d8	10.323	98	211727	25.498	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	10.579	79	26264	20.038	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.160%
47) 2-Hexanone-d5	10.920	63	18716	35.004	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	140.000%#
56) 1,1,2,2-Tetrachloroeth...	12.694	84	54918	25.076	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.320%
66) 1,2-Dichlorobenzene-d4	13.560	152	114903	31.820	ug/L	-0.29
Spiked Amount	25.000	Range	75 - 120	Recovery	=	127.280%#
Target Compounds						
					Qvalue	
13) Acetone	4.117	43	373595	575.505	ug/L	94
15) Methyl Acetate	4.684	43	120804	105.000	ug/L #	74
18) Methyl tert-butyl Ether	5.427	73	18454	4.293	ug/L #	74
22) 2-Butanone	7.171	43	14413	16.709	ug/L	93
29) Cyclohexane	7.951	56	2315	0.470	ug/L #	86
35) Methylcyclohexane	9.335	83	58551	11.141	ug/L #	1
37) 1,2-Dichloropropane	9.274	63	6569	2.452	ug/L #	1
39) cis-1,3-Dichloropropene	10.036	75	2139	0.491	ug/L #	76
42) Toluene	10.384	91	235341	19.344	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	98258	49.427	ug/L #	19
48) 2-Hexanone	10.933	43	112101	87.692	ug/L #	29
52) Ethylbenzene	11.731	91	449524	32.977	ug/L	99
53) m,p-Xylene	11.835	106	747784	136.919	ug/L	87
54) o-Xylene	12.164	106	398131	76.956	ug/L	98
55) Styrene	12.164	104	19948	2.268	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.743	83	25805	11.076	ug/L #	54
60) Isopropylbenzene	12.463	105	312815	19.752	ug/L	96
62) 1,3,5-Trimethylbenzene	12.951	105	1453276	106.789	ug/L	94
63) 1,2,4-Trimethylbenzene	13.255	105	6357755	470.289	ug/L	94

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

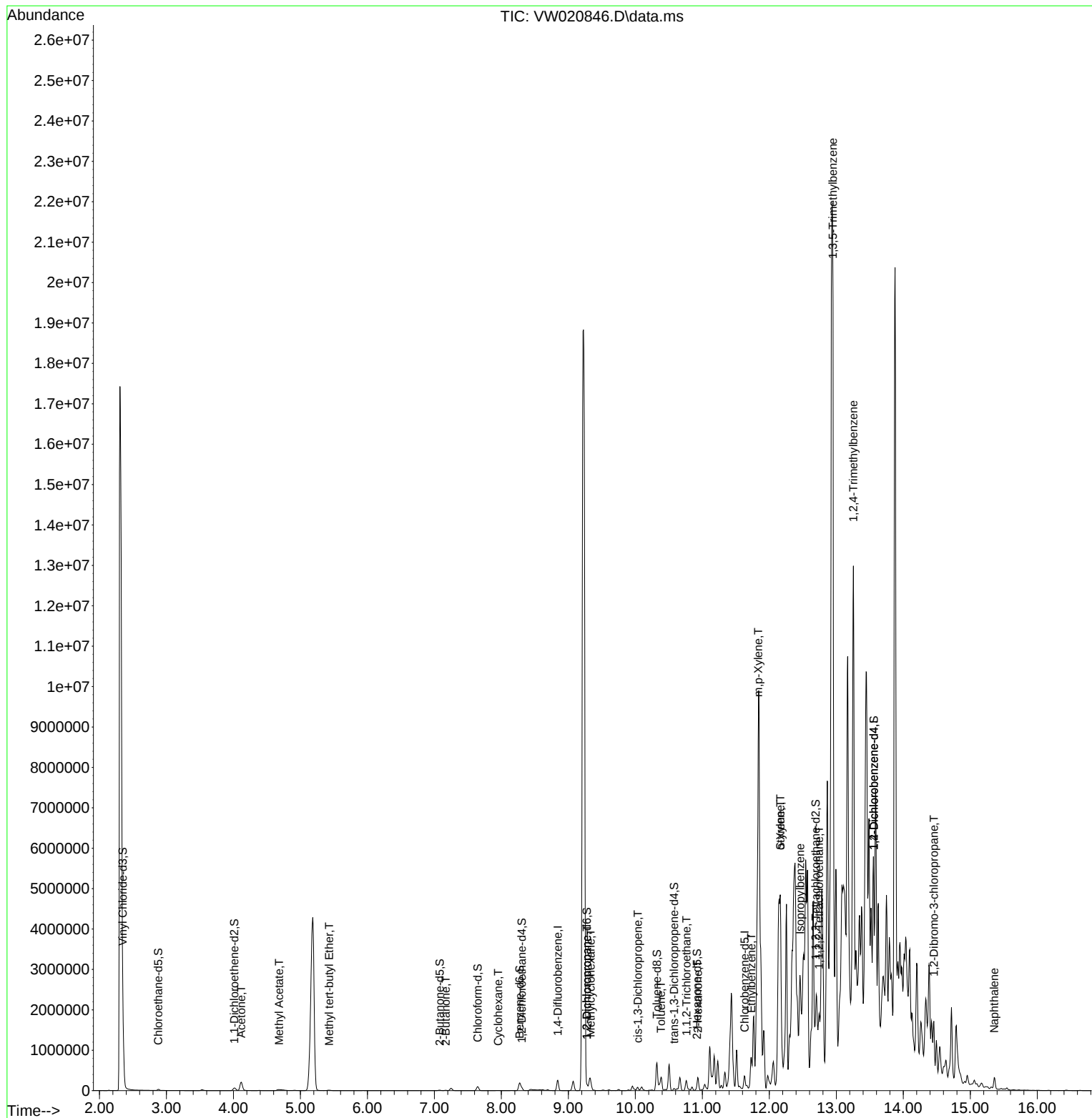
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.456	75	6456	13.909	ug/L	# 12
71) Naphthalene	15.359	128	253783	30.901	ug/L	99

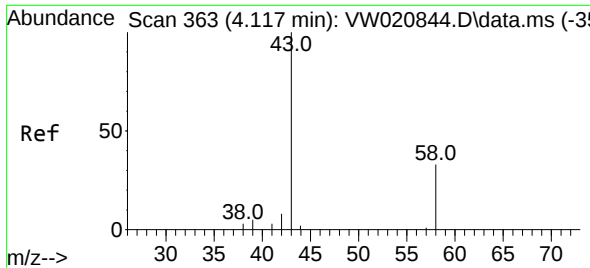
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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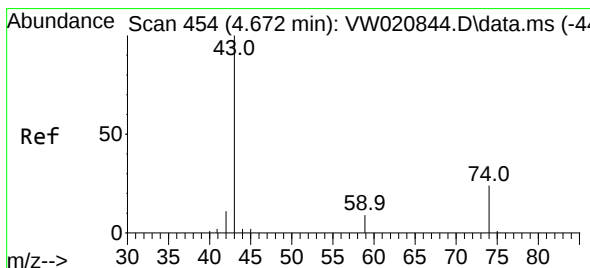
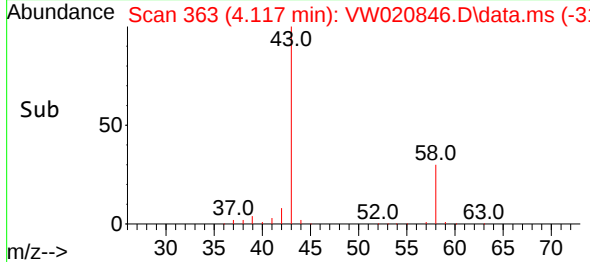
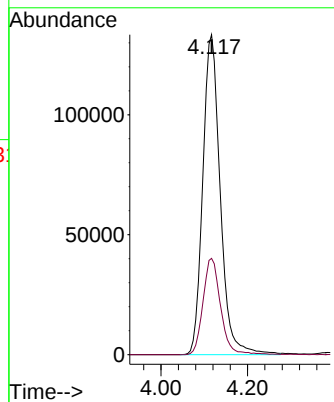
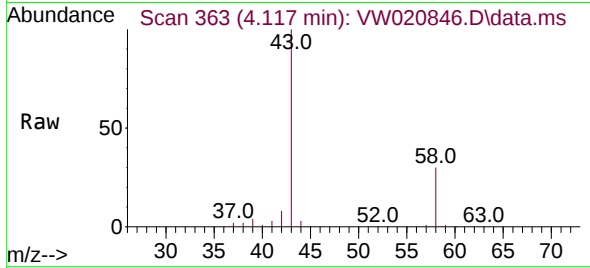




#13
Acetone
Concen: 575.505 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.000 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

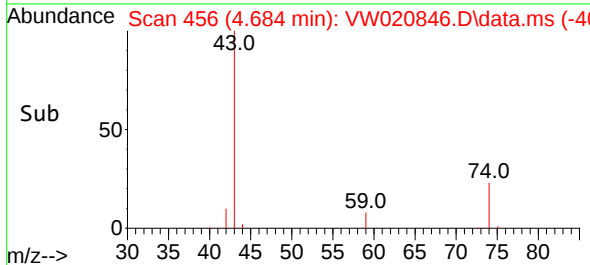
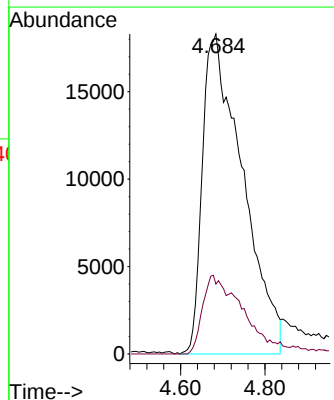
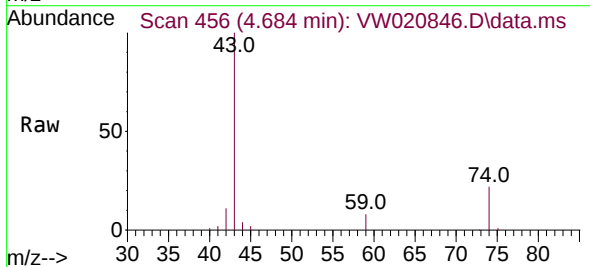
Instrument :
MSVOA_W
ClientSampleId :

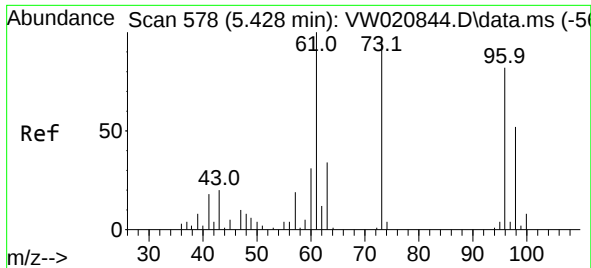
Tgt Ion: 43 Resp: 373595
Ion Ratio Lower Upper
43 100
58 29.6 0.0 52.8



#15
Methyl Acetate
Concen: 105.000 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

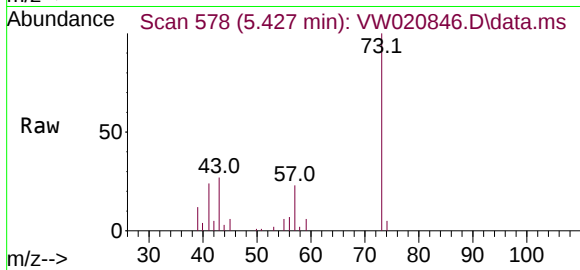
Tgt Ion: 43 Resp: 120804
Ion Ratio Lower Upper
43 100
74 8.4 16.4 24.6#



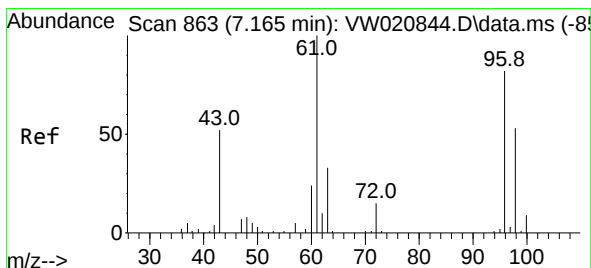
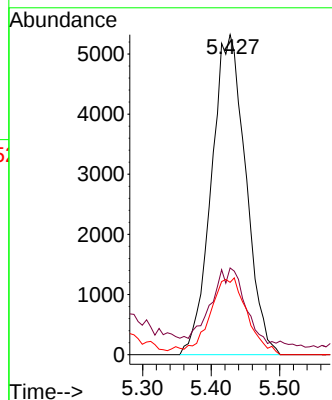
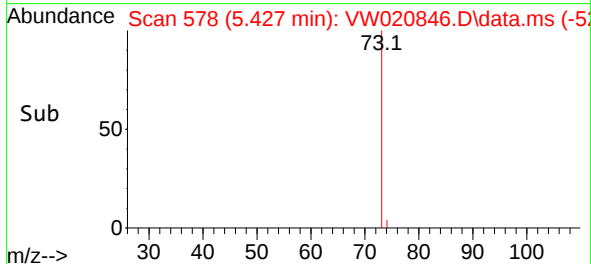


#18
Methyl tert-butyl Ether
Concen: 4.293 ug/L
RT: 5.427 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

Instrument :
MSVOA_W
ClientSampleId :

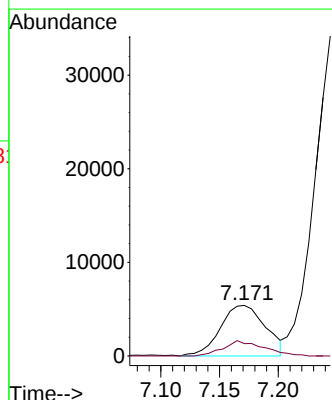
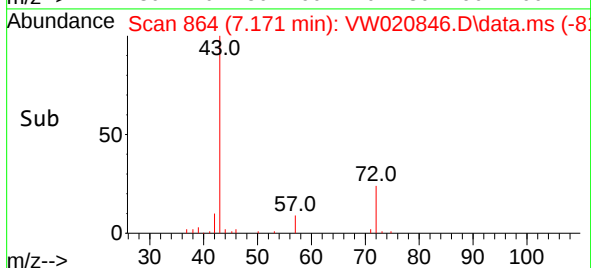
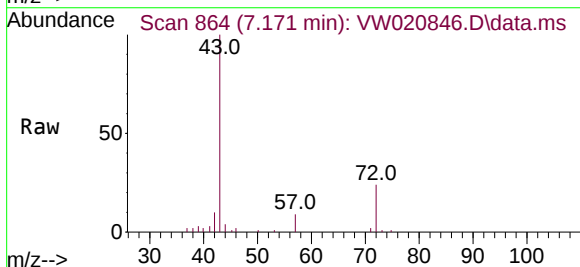


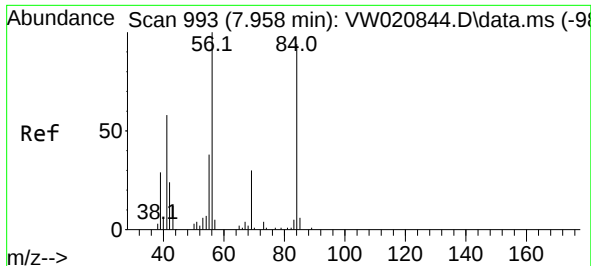
Tgt Ion: 73 Resp: 18454
Ion Ratio Lower Upper
73 100
43 11.4 19.5 29.3#
57 11.6 19.3 28.9#



#22
2-Butanone
Concen: 16.709 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

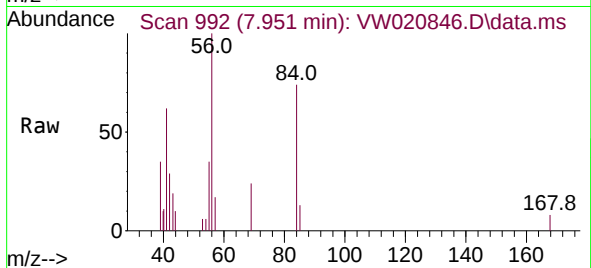
Tgt Ion: 43 Resp: 14413
Ion Ratio Lower Upper
43 100
72 27.1 11.8 35.4



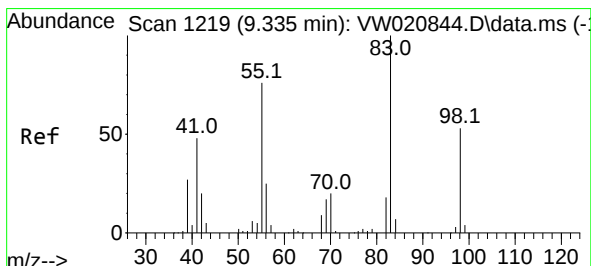
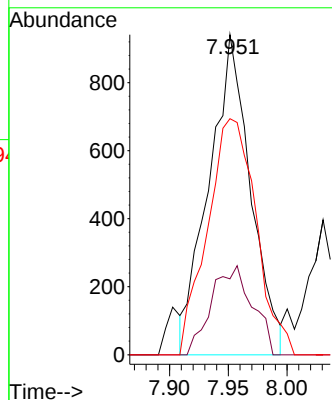
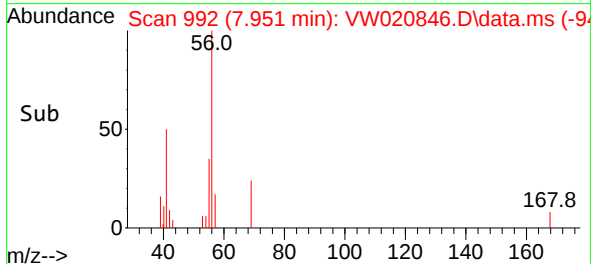


#29
Cyclohexane
Concen: 0.470 ug/L
RT: 7.951 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

Instrument :
MSVOA_W
ClientSampleId :

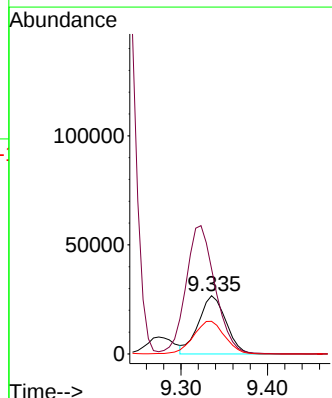
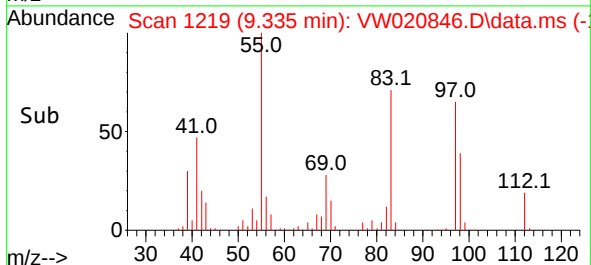
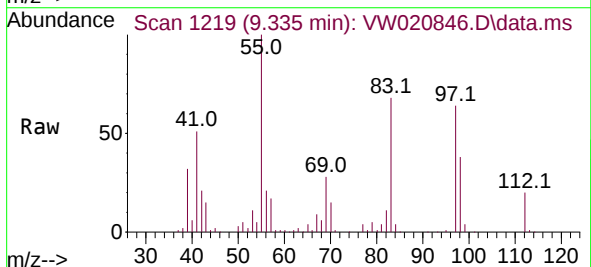


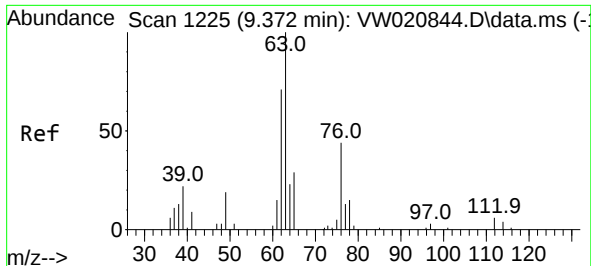
Tgt Ion: 56 Resp: 2315
Ion Ratio Lower Upper
56 100
69 13.0 23.5 35.3#
84 86.1 63.4 95.2



#35
Methylcyclohexane
Concen: 11.141 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

Tgt Ion: 83 Resp: 58551
Ion Ratio Lower Upper
83 100
55 234.2 70.8 106.2#
98 64.4 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 2.452 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW020846.D

Acq: 11 Nov 2021 10:30

Instrument :

MSVOA_W

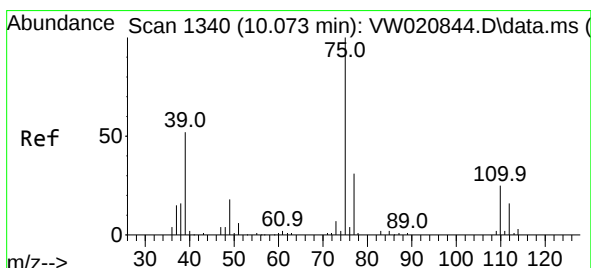
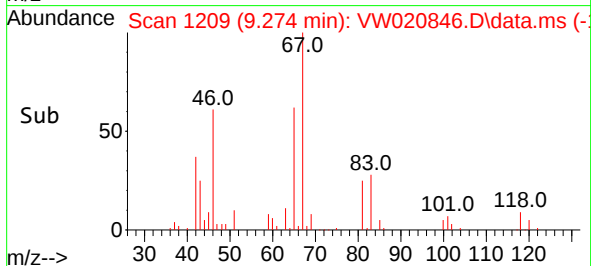
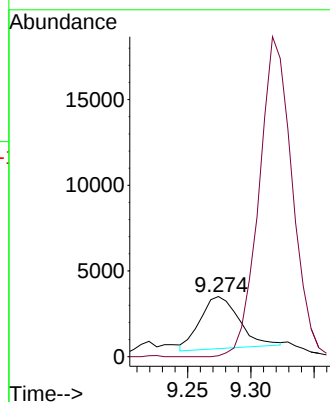
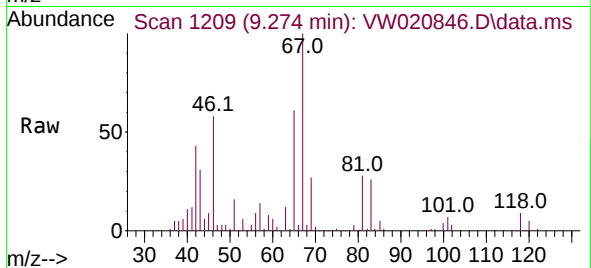
ClientSampleId :

Tgt Ion: 63 Resp: 6569

Ion Ratio Lower Upper

63 100

112 516.6 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.491 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW020846.D

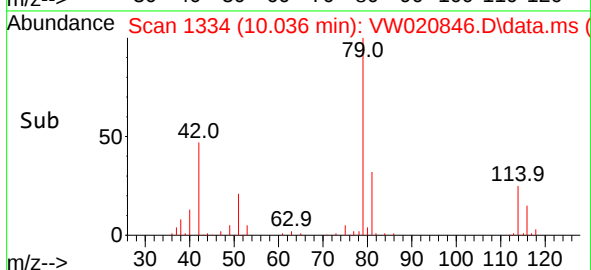
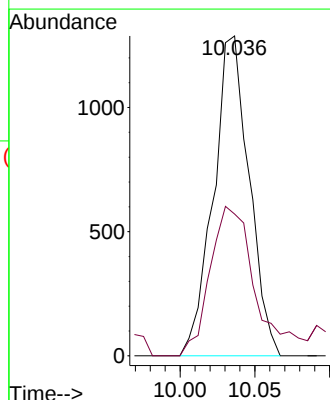
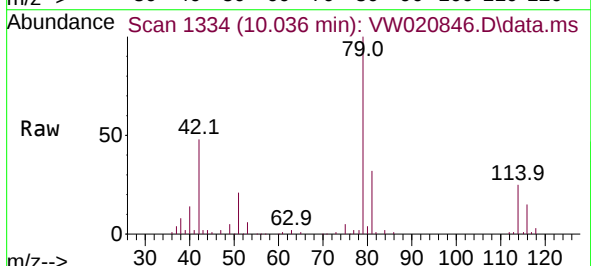
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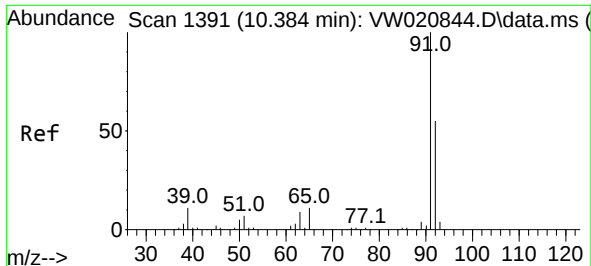
Tgt Ion: 75 Resp: 2139

Ion Ratio Lower Upper

75 100

77 44.3 21.8 40.6#





#42

Toluene

Concen: 19.344 ug/L

RT: 10.384 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW020846.D

Acq: 11 Nov 2021 10:30

Instrument :

MSVOA_W

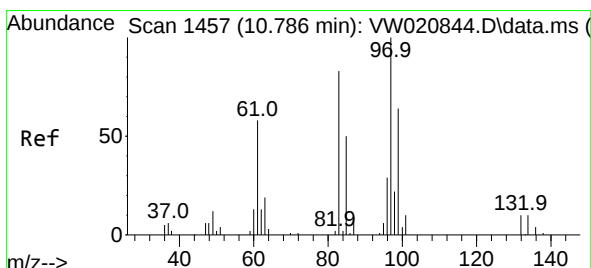
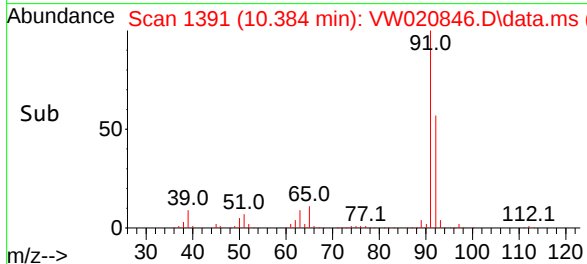
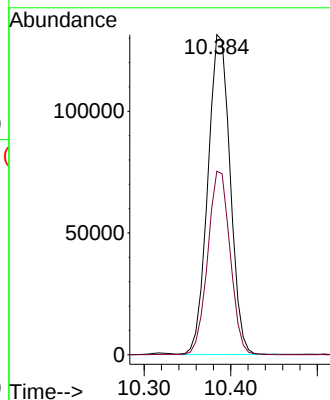
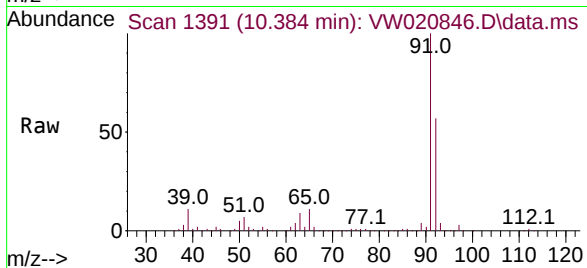
ClientSampleId :

Tgt Ion: 91 Resp: 235341

Ion Ratio Lower Upper

91 100

92 57.3 41.7 77.5



#45

1,1,2-Trichloroethane

Concen: 49.427 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW020846.D

Acq: 11 Nov 2021 10:30

Tgt Ion: 97 Resp: 98258

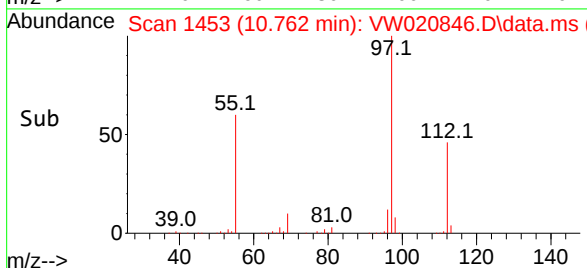
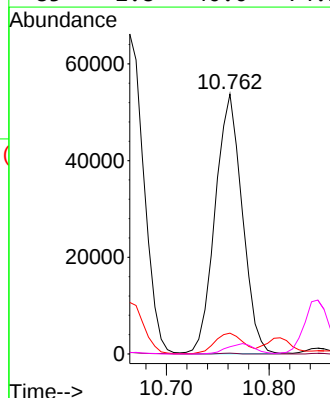
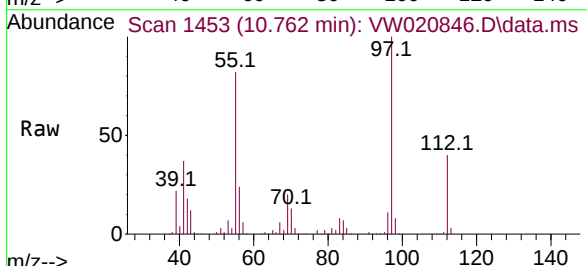
Ion Ratio Lower Upper

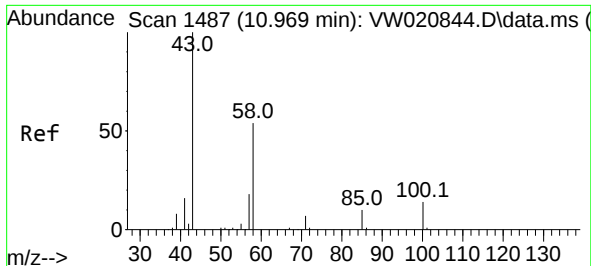
97 100

99 0.3 43.0 79.8#

83 8.0 62.6 116.3#

85 2.8 40.0 74.2#

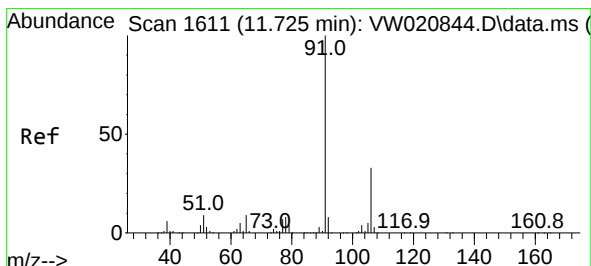
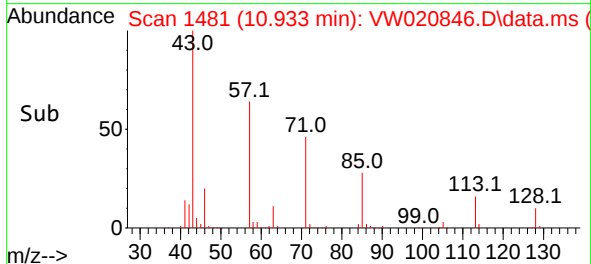
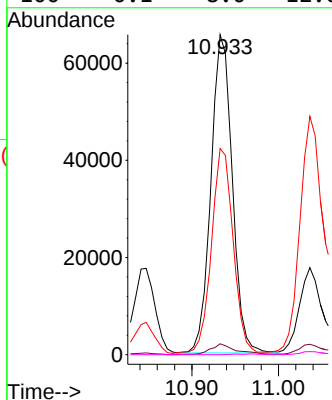
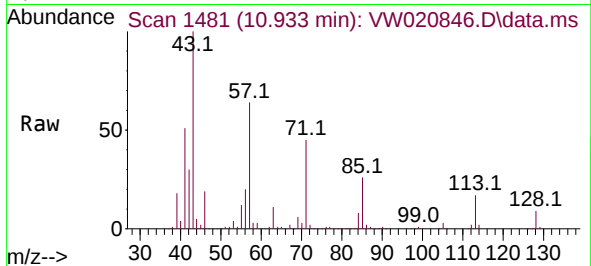




#48
2-Hexanone
Concen: 87.692 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

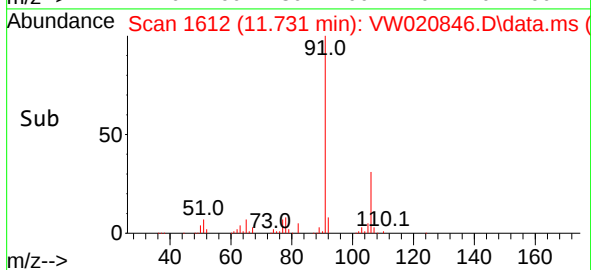
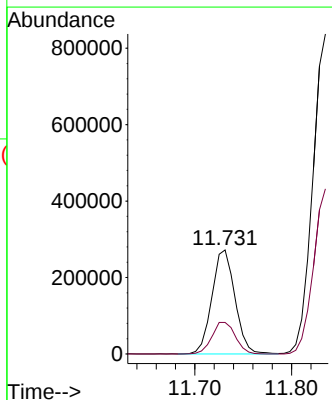
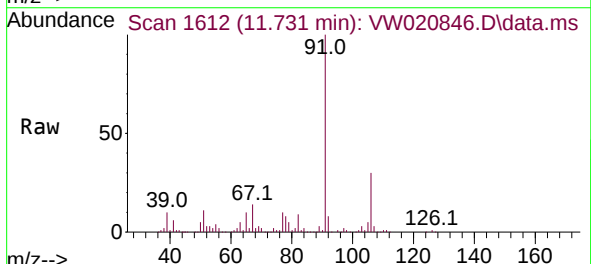
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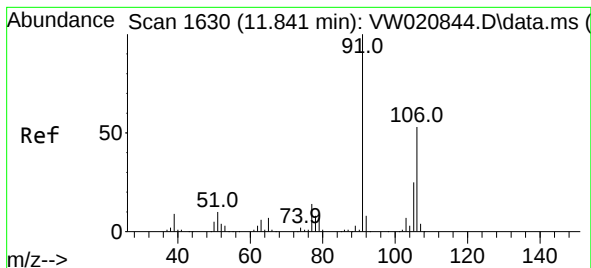
Tgt Ion: 43 Resp: 112101
Ion Ratio Lower Upper
43 100
58 4.0 40.2 60.2#
57 65.2 14.3 21.5#
100 0.1 8.0 12.0#



#52
Ethylbenzene
Concen: 32.977 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

Tgt Ion: 91 Resp: 449524
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9





#53

m,p-Xylene

Concen: 136.919 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW020846.D

Acq: 11 Nov 2021 10:30

Instrument :

MSVOA_W

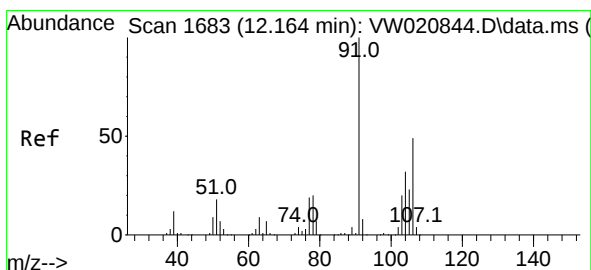
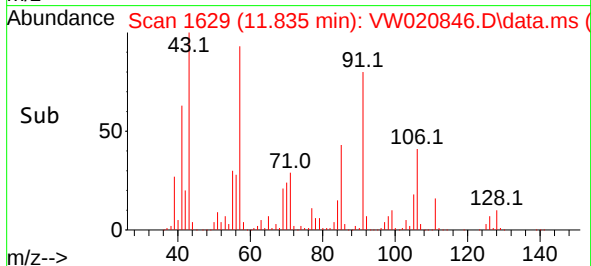
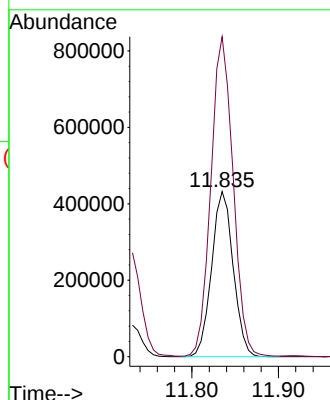
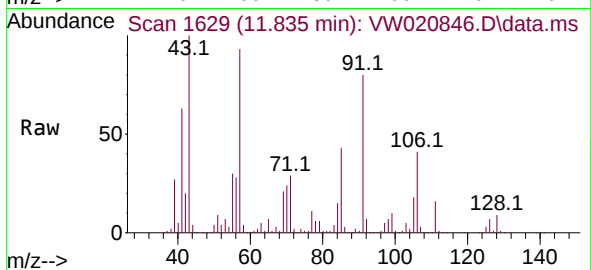
ClientSampleId :

Tgt Ion:106 Resp: 747784

Ion Ratio Lower Upper

106 100

91 193.8 149.9 278.3



#54

o-Xylene

Concen: 76.956 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VW020846.D

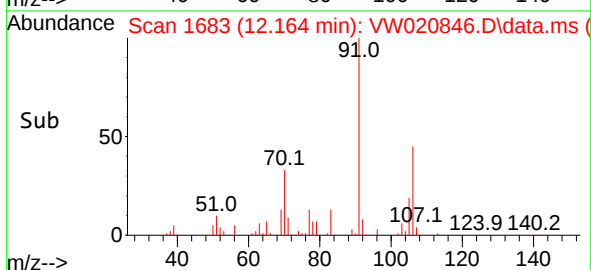
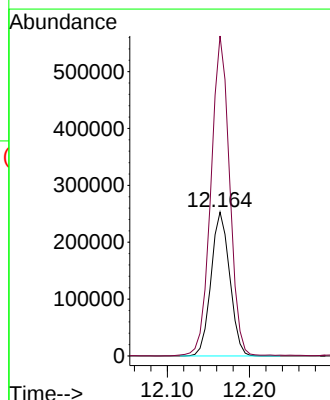
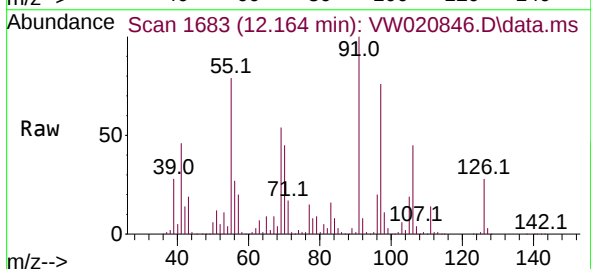
Acq: 11 Nov 2021 10:30

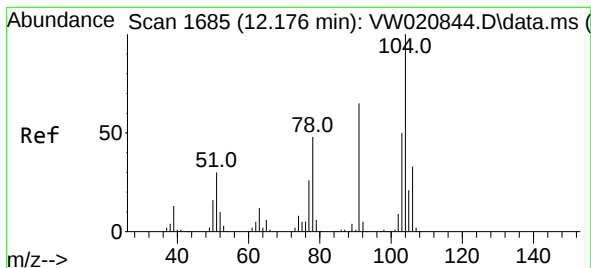
Tgt Ion:106 Resp: 398131

Ion Ratio Lower Upper

106 100

91 222.5 153.6 285.3





#55

Styrene

Concen: 2.268 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.012 min

Lab File: VW020846.D

Acq: 11 Nov 2021 10:30

Instrument :

MSVOA_W

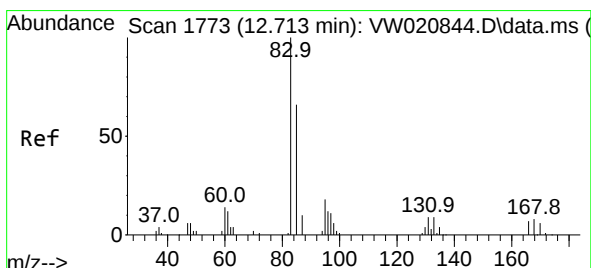
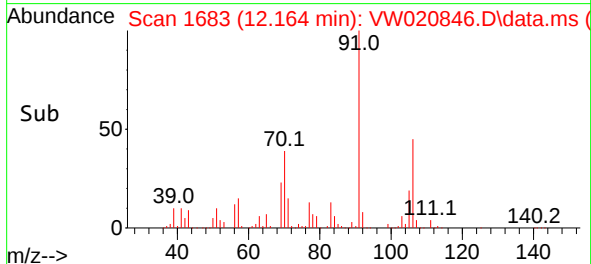
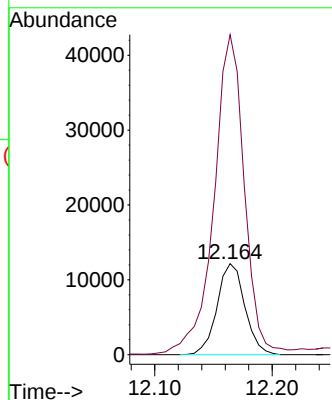
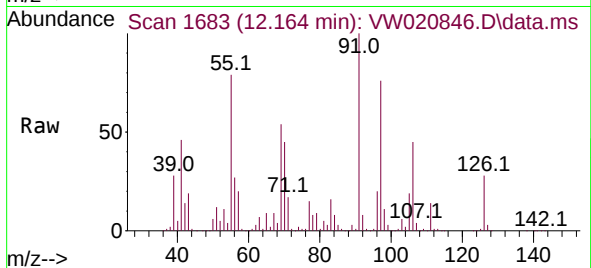
ClientSampleId :

Tgt Ion:104 Resp: 19948

Ion Ratio Lower Upper

104 100

78 351.3 34.4 64.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 11.076 ug/L

RT: 12.743 min Scan# 1778

Delta R.T. 0.030 min

Lab File: VW020846.D

Acq: 11 Nov 2021 10:30

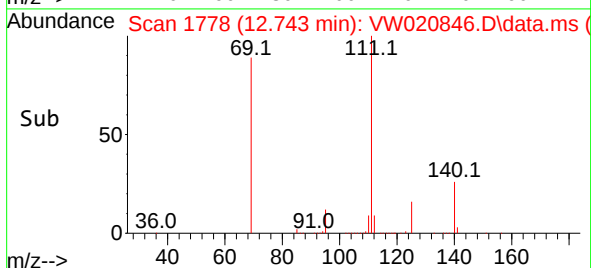
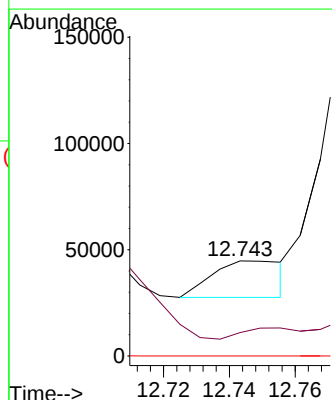
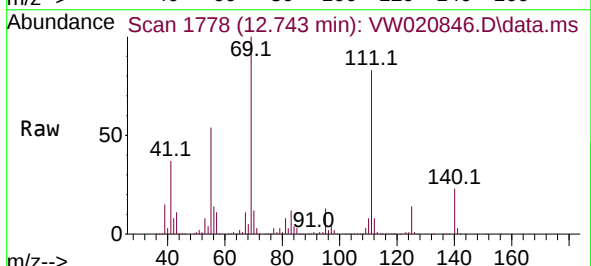
Tgt Ion: 83 Resp: 25805

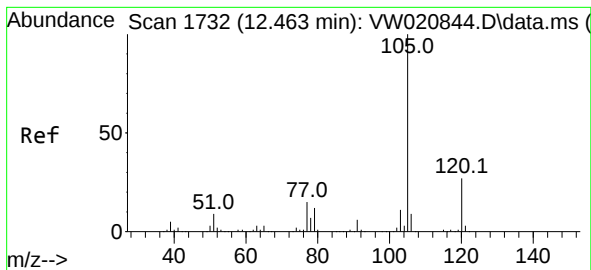
Ion Ratio Lower Upper

83 100

85 24.6 44.0 81.6#

131 0.0 6.9 10.3#

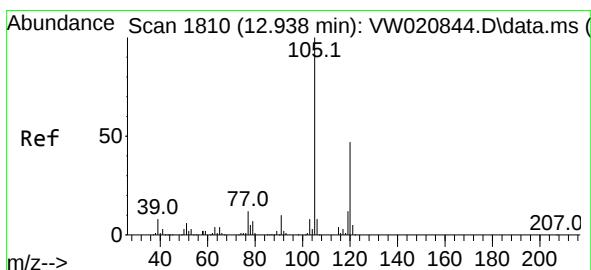
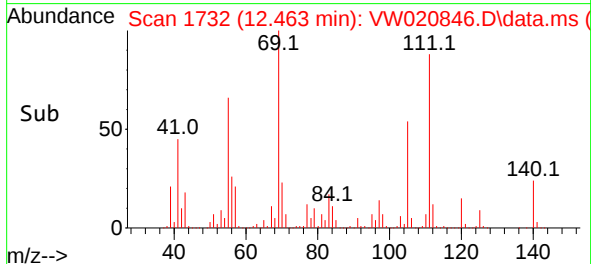
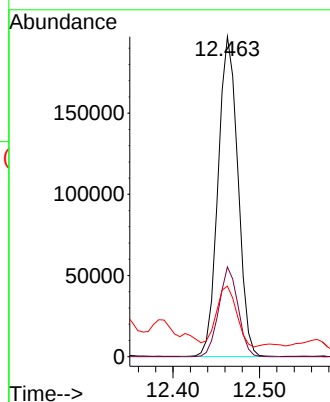
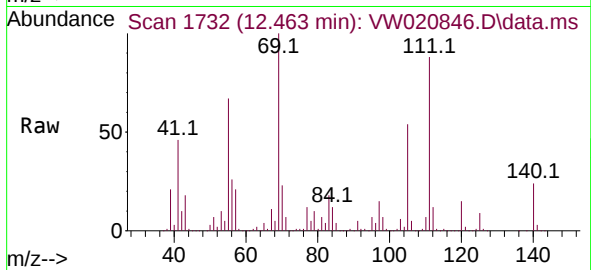




#60
Isopropylbenzene
Concen: 19.752 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

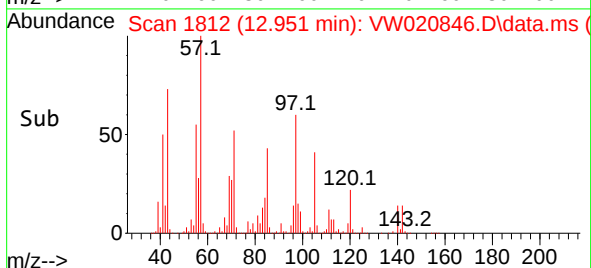
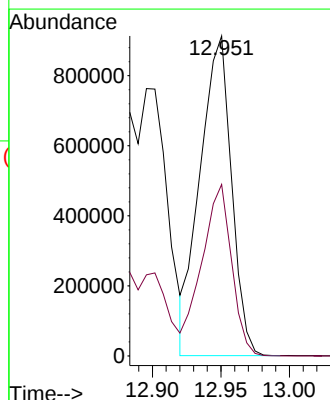
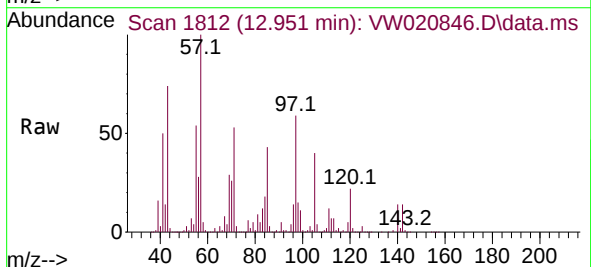
Instrument :
MSVOA_W
ClientSampleId :

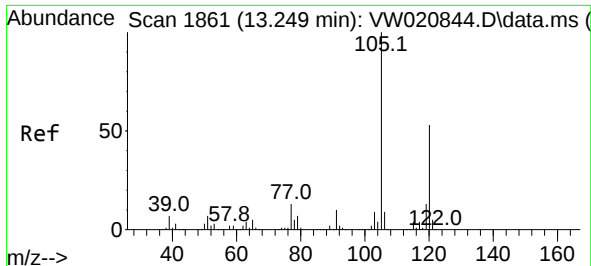
Tgt Ion:105 Resp: 312815
Ion Ratio Lower Upper
105 100
120 27.2 20.1 30.1
77 19.4 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 106.789 ug/L
RT: 12.951 min Scan# 1812
Delta R.T. 0.012 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

Tgt Ion:105 Resp: 1453276
Ion Ratio Lower Upper
105 100
120 51.1 37.4 56.2

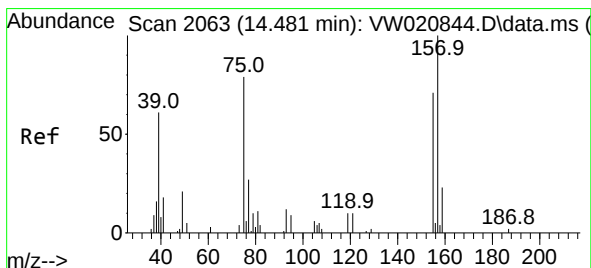
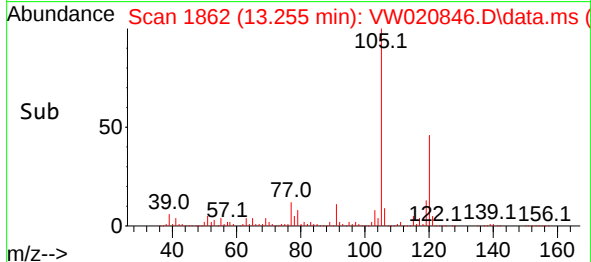
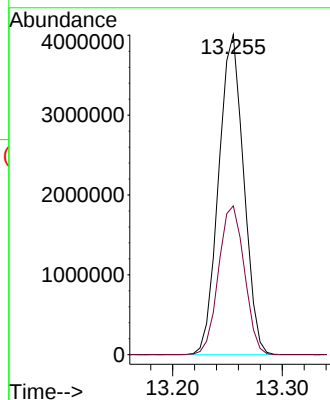
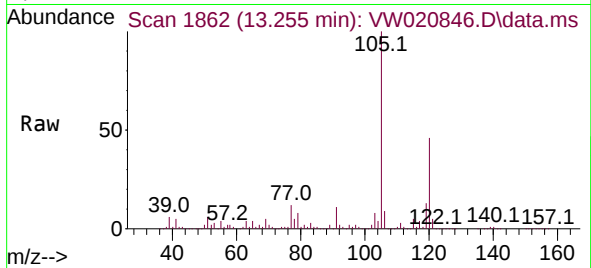




#63
1,2,4-Trimethylbenzene
Concen: 470.289 ug/L
RT: 13.255 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

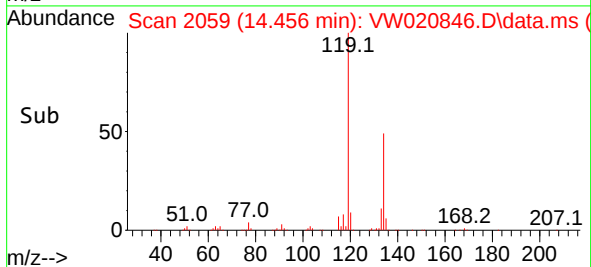
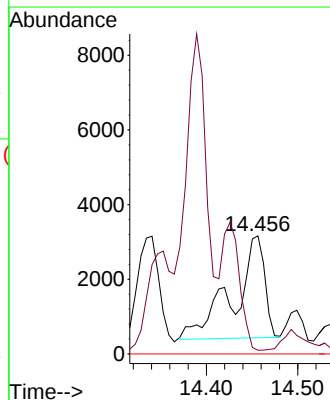
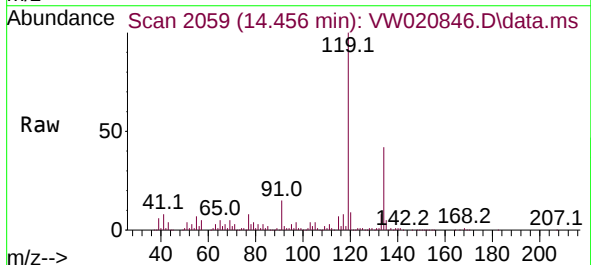
Instrument :
MSVOA_W
ClientSampleId :

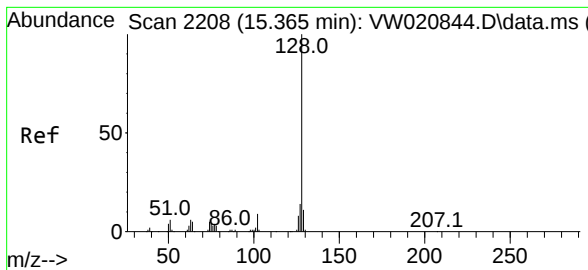
Tgt Ion:105 Resp: 6357755
Ion Ratio Lower Upper
105 100
120 47.9 35.0 52.6



#68
1,2-Dibromo-3-chloropropane
Concen: 13.909 ug/L
RT: 14.456 min Scan# 2059
Delta R.T. -0.024 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

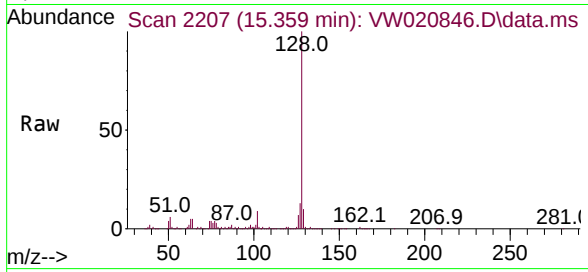
Tgt Ion: 75 Resp: 6456
Ion Ratio Lower Upper
75 100
155 3.1 54.2 81.2#
157 0.0 69.4 104.2#





#71
Naphthalene
Concen: 30.901 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW020846.D
Acq: 11 Nov 2021 10:30

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 253783
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.7 8.6 12.8

