

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042221\
 Data File : VW018733.D
 Acq On : 22 Apr 2021 13:54
 Operator : SY/VA
 Sample : M2129-06RE
 Misc : 4.38G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 23 02:02:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 23 01:53:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	502424	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	364563	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	113955	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	99386	13.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.08%
7) Chloroethane-d5	2.898	69	88467	13.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.28%
11) 1,1-Dichloroethene-d2	4.019	63	130394	9.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	39.32%#
21) 2-Butanone-d5	7.080	46	80407	46.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.52%
24) Chloroform-d	7.653	84	260618	18.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.60%
26) 1,2-Dichloroethane-d4	8.305	65	148933	19.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.84%
32) Benzene-d6	8.275	84	440065	20.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.32%
36) 1,2-Dichloropropane-d6	9.274	67	153372	23.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	10.323	98	340745	17.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	69.68%
43) trans-1,3-Dichloroprop...	10.579	79	53251	19.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.64%
47) 2-Hexanone-d5	10.927	63	65345	58.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.62%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	131590	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.80%
66) 1,2-Dichlorobenzene-d4	13.853	152	91361	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	38002	30.12	ug/L	90
14) Carbon disulfide	4.391	76	27533	1.40	ug/L	95
16) Methylene chloride	4.915	84	22708	2.76	ug/L	82
29) Cyclohexane	7.958	56	69721	7.77	ug/L	98
33) Benzene	8.323	78	223794	9.78	ug/L	100
35) Methylcyclohexane	9.335	83	9415	0.92	ug/L	97
39) cis-1,3-Dichloropropene	10.037	75	4708	0.55	ug/L #	74
42) Toluene	10.390	91	23404	0.95	ug/L	92
45) 1,1,2-Trichloroethane	10.756	97	12551	2.92	ug/L #	19
51) Chlorobenzene	11.658	112	194191	12.83	ug/L	97
52) Ethylbenzene	11.731	91	21180	0.78	ug/L	96
53) m,p-Xylene	11.841	106	56520	5.68	ug/L	93
54) o-Xylene	12.170	106	24384	2.55	ug/L	97
60) Isopropylbenzene	12.463	105	1174416	70.07	ug/L	100
62) 1,3,5-Trimethylbenzene	12.938	105	14336	1.03	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	161297	11.64	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	3700	0.52	ug/L #	69
65) 1,4-Dichlorobenzene	13.579	146	308233	42.90	ug/L	94
67) 1,2-Dichlorobenzene	13.871	146	54623	8.36	ug/L	98

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Quant Title : SFAM01.0
QLast Update : Fri Apr 23 01:53:36 2021
Response via : Initial Calibration

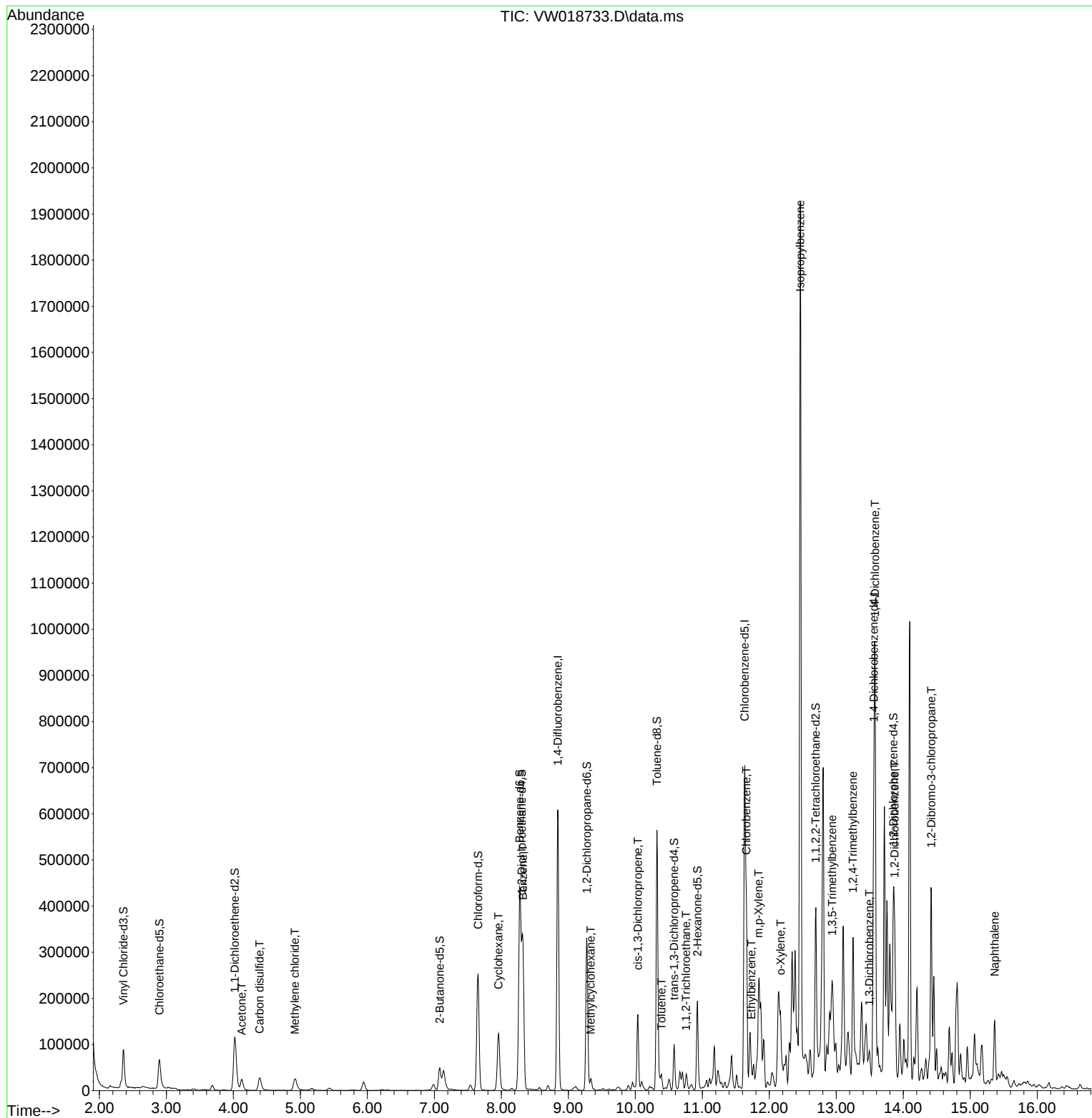
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.420	75	3271	6.05	ug/L	# 8
71) Naphthalene	15.365	128	115345	13.26	ug/L	100

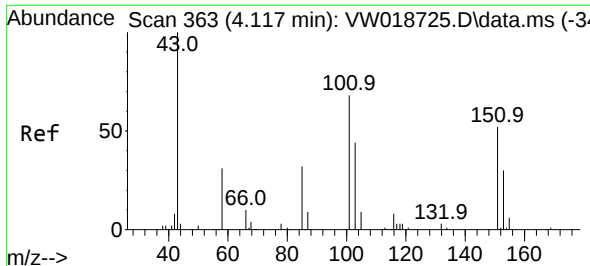
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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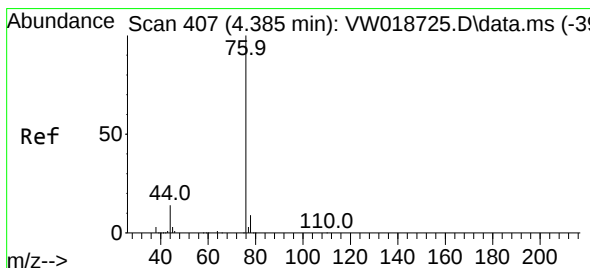
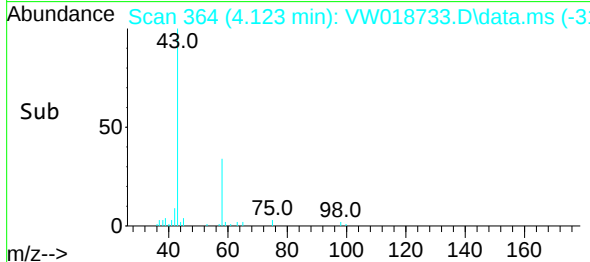
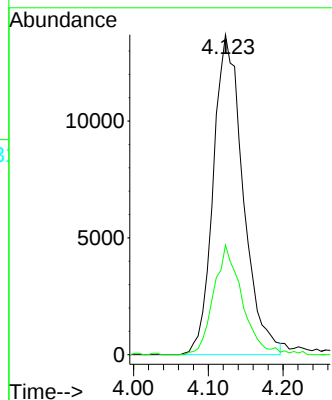
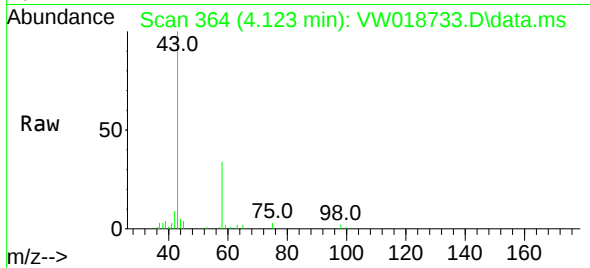




#13
Acetone
Concen: 30.12 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

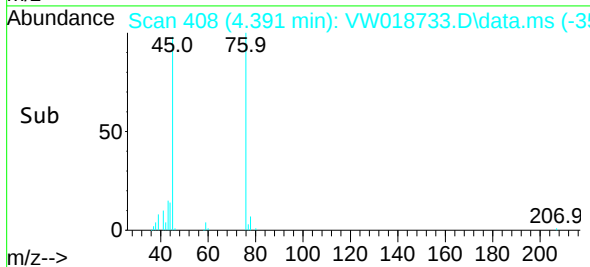
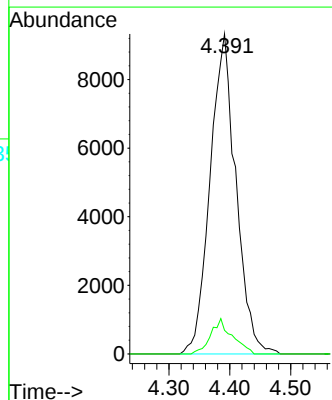
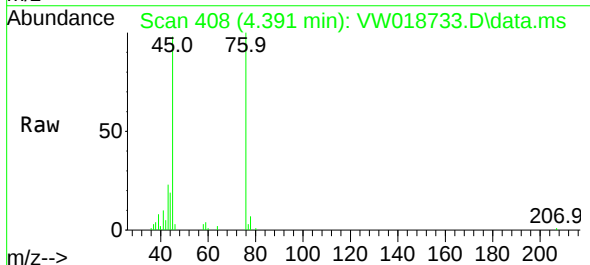
Instrument :
MSVOA_W
ClientSampled :

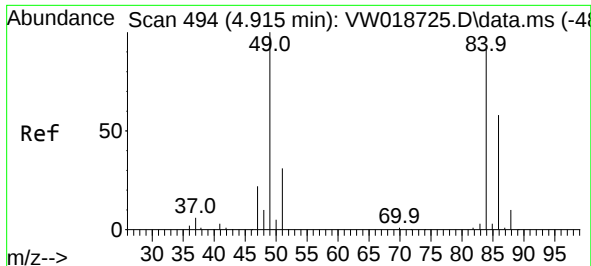
Tgt Ion: 43 Resp: 38002
Ion Ratio Lower Upper
43 100
58 31.9 0.0 53.8



#14
Carbon disulfide
Concen: 1.40 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

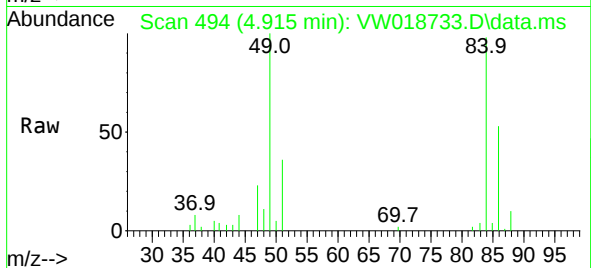
Tgt Ion: 76 Resp: 27533
Ion Ratio Lower Upper
76 100
78 7.4 7.4 11.0



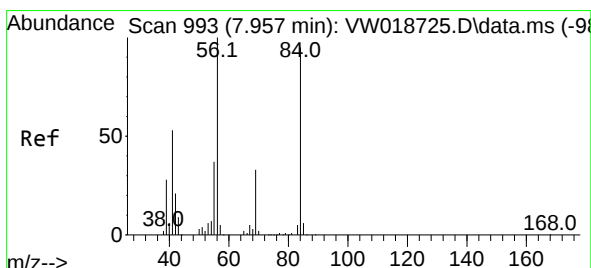
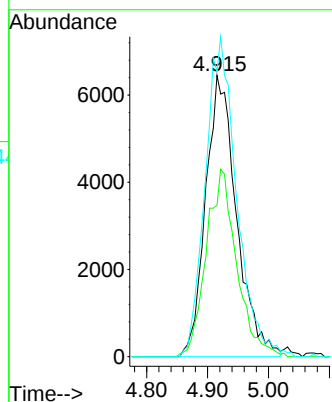
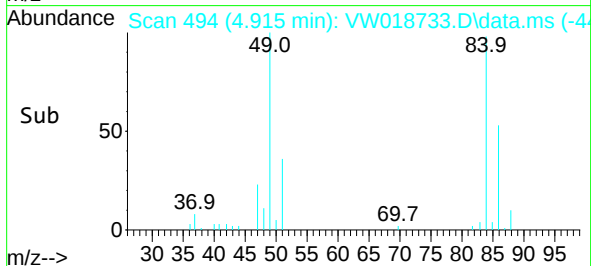


#16
Methylene chloride
Concen: 2.76 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

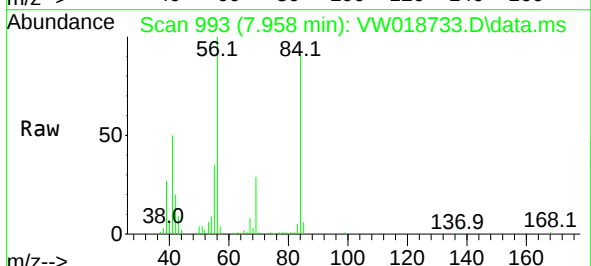
Instrument :
MSVOA_W
ClientSampled :



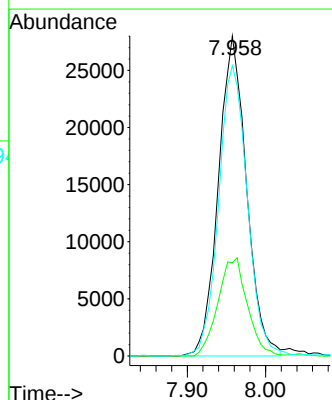
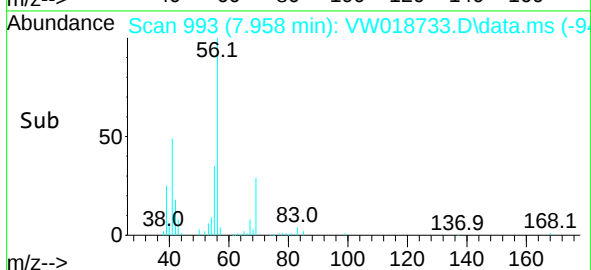
Tgt Ion: 84 Resp: 22708
Ion Ratio Lower Upper
84 100
86 53.9 45.3 84.1
49 101.5 86.6 160.8

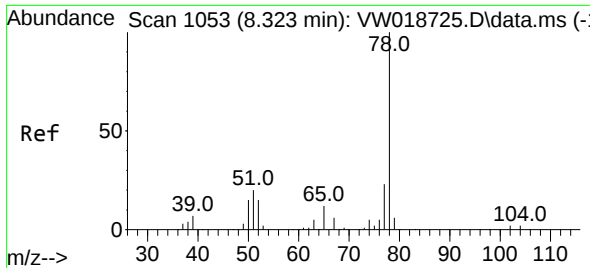


#29
Cyclohexane
Concen: 7.77 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54



Tgt Ion: 56 Resp: 69721
Ion Ratio Lower Upper
56 100
69 32.0 24.5 36.7
84 92.1 75.0 112.4

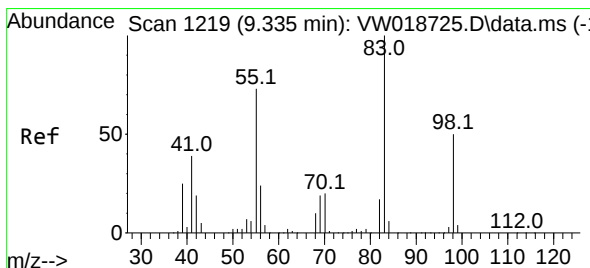
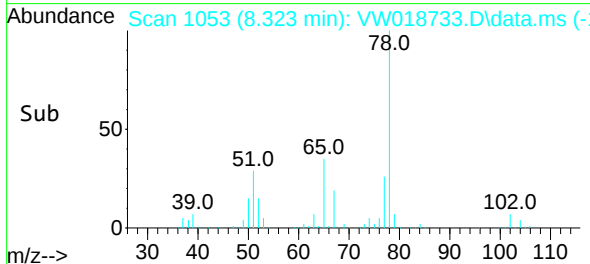
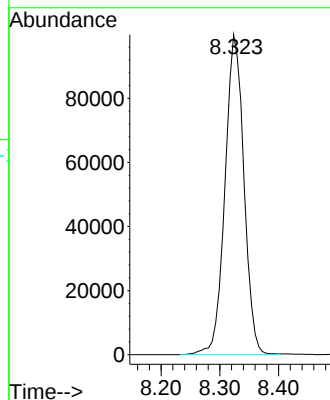
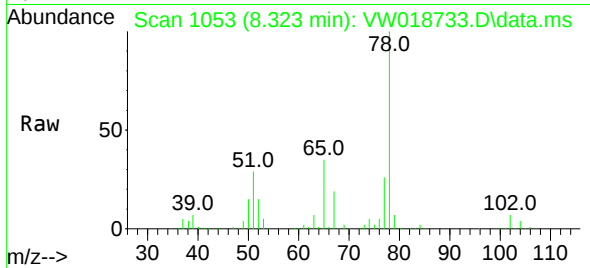




#33
Benzene
Concen: 9.78 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

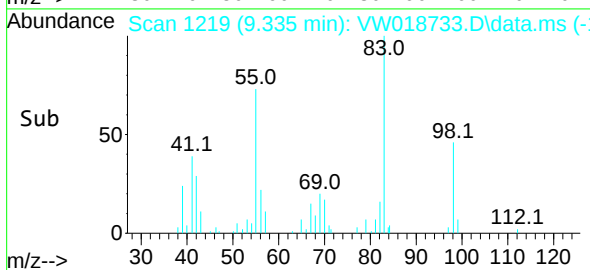
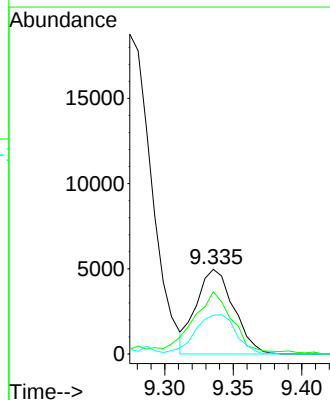
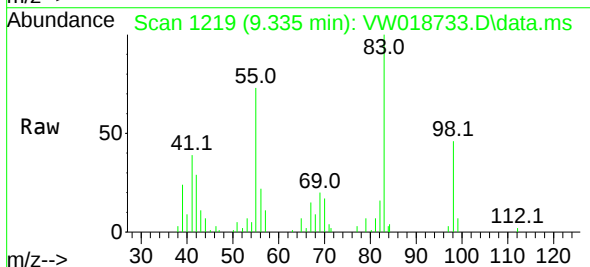
Instrument :
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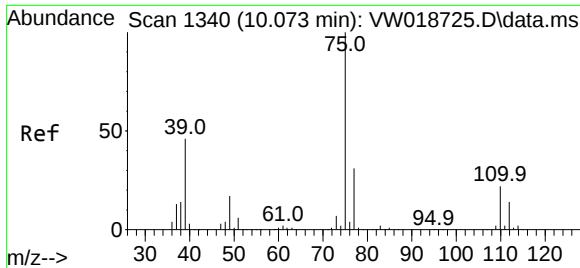
Tgt Ion: 78 Resp: 223794



#35
Methylcyclohexane
Concen: 0.92 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

Tgt Ion: 83 Resp: 9415
Ion Ratio Lower Upper
83 100
55 77.8 58.9 88.3
98 50.5 40.1 60.1

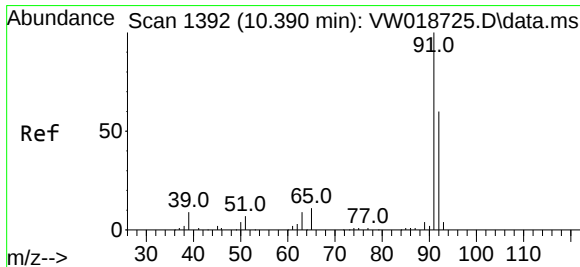
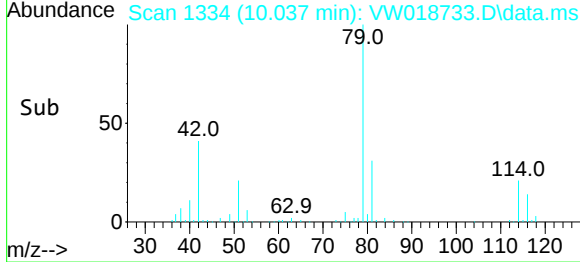
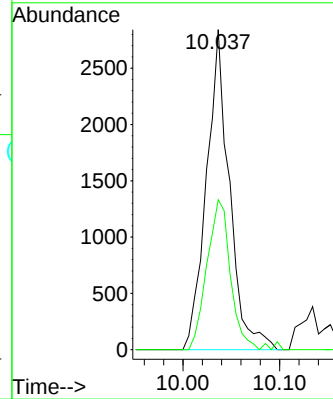
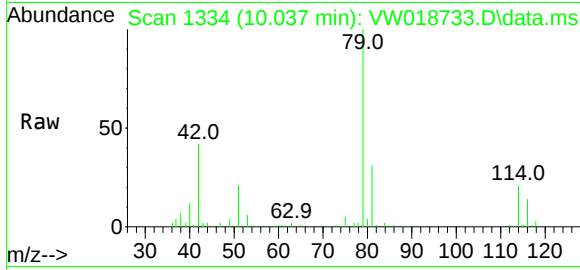




#39
 cis-1,3-Dichloropropene
 Concen: 0.55 ug/L
 RT: 10.037 min Scan# 1334
 Delta R.T. -0.036 min
 Lab File: VW018733.D
 Acq: 22 Apr 2021 13:54

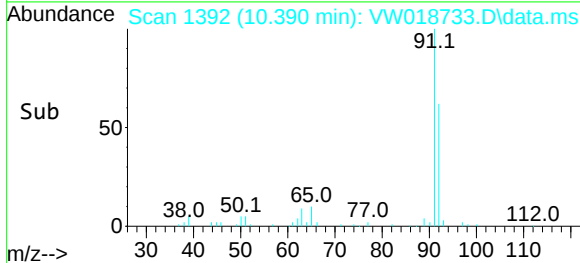
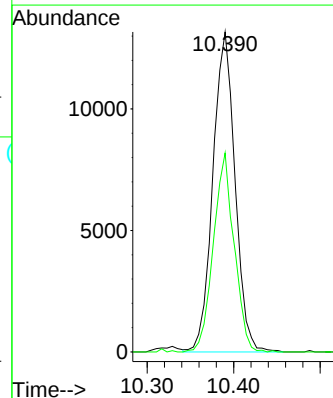
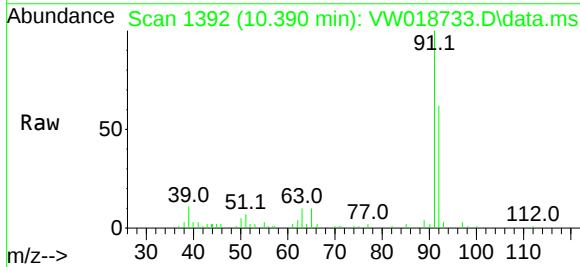
Instrument :
 MSVOA_W
 ClientSampled :

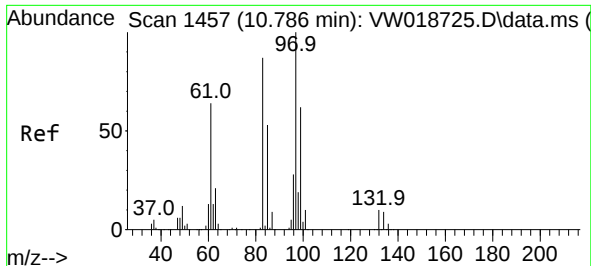
Tgt Ion: 75 Resp: 4708
 Ion Ratio Lower Upper
 75 100
 77 46.9 22.6 42.0#



#42
 Toluene
 Concen: 0.95 ug/L
 RT: 10.390 min Scan# 1392
 Delta R.T. 0.000 min
 Lab File: VW018733.D
 Acq: 22 Apr 2021 13:54

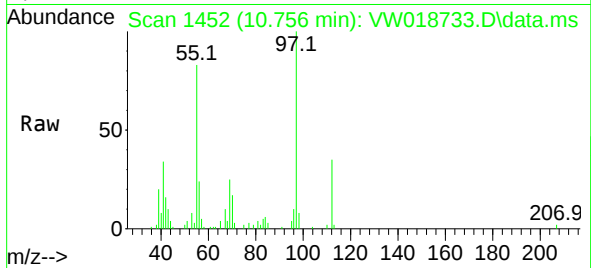
Tgt Ion: 91 Resp: 23404
 Ion Ratio Lower Upper
 91 100
 92 62.2 39.5 73.3



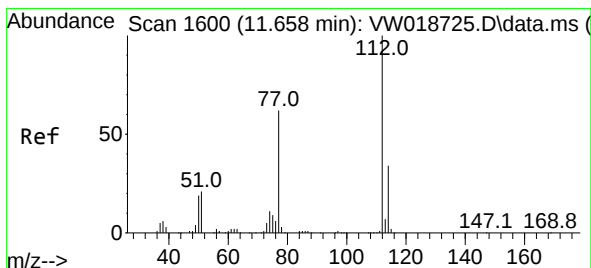
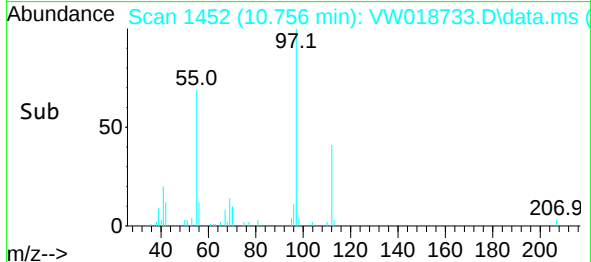
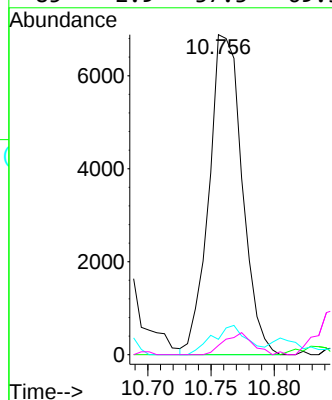


#45
1,1,2-Trichloroethane
Concen: 2.92 ug/L
RT: 10.756 min Scan# 1452
Delta R.T. -0.030 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

Instrument :
MSVOA_W
ClientSampled :

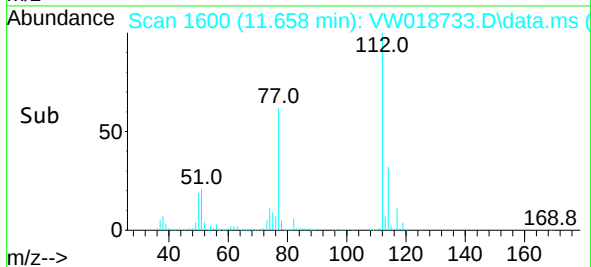
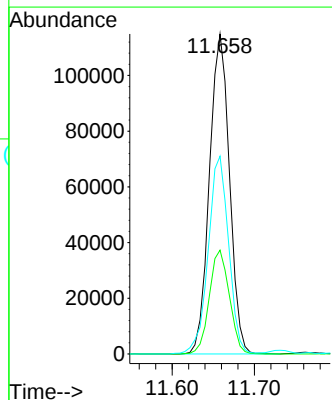
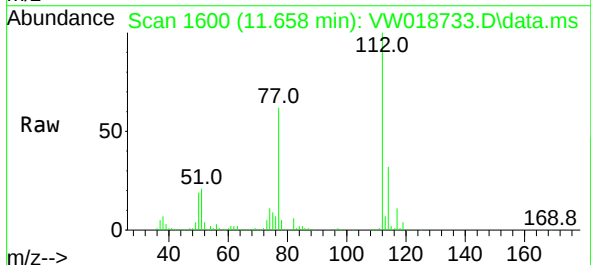


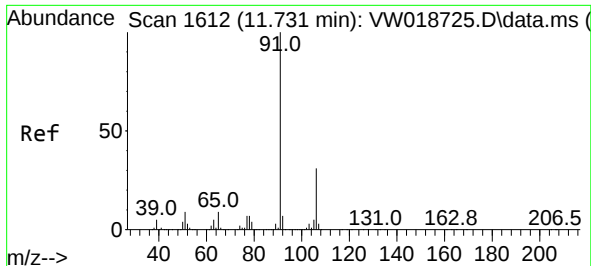
Tgt Ion:	97	Resp:	12551
Ion Ratio	100	Lower	Upper
97	100		
99	0.0	45.1	83.7#
83	4.8	58.1	107.9#
85	2.9	37.3	69.3#



#51
Chlorobenzene
Concen: 12.83 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
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Tgt Ion:	112	Resp:	194191
Ion Ratio	100	Lower	Upper
112	100		
114	32.4	23.4	43.6
77	61.8	47.6	71.4

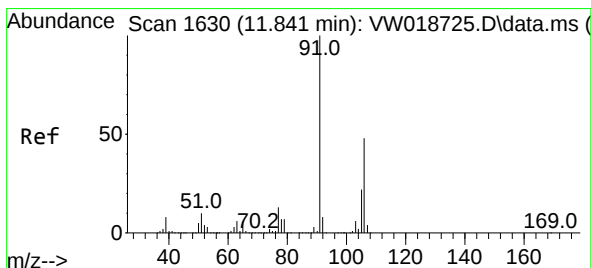
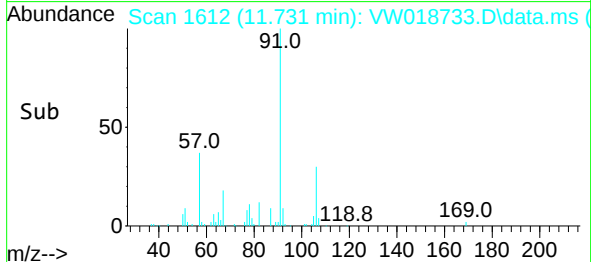
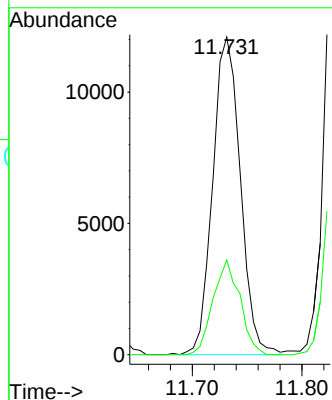
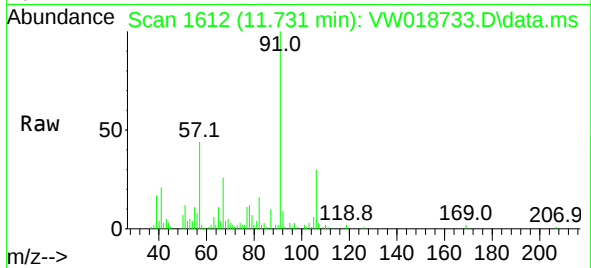




#52
Ethylbenzene
Concen: 0.78 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

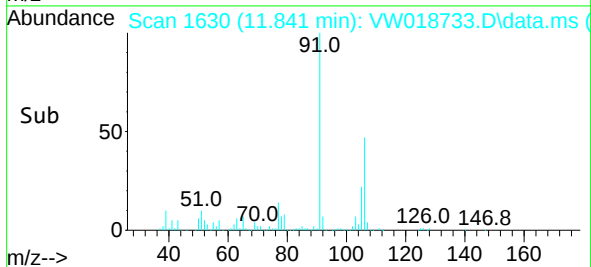
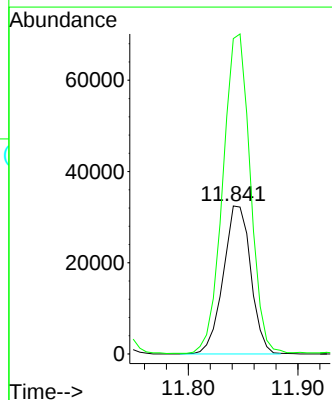
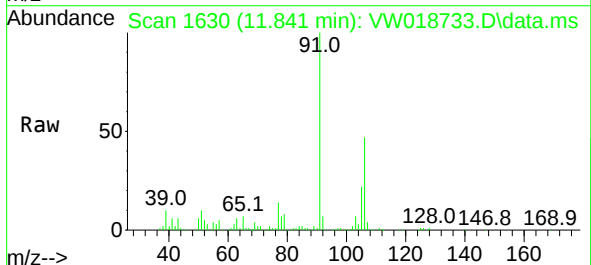
Instrument :
MSVOA_W
ClientSampled :

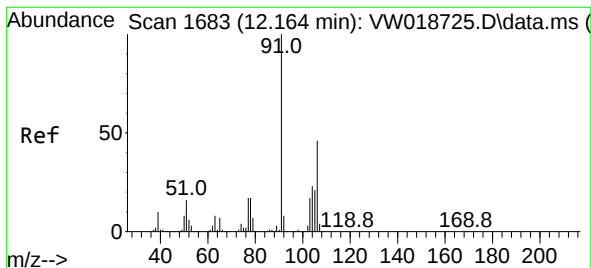
Tgt Ion: 91 Resp: 21180
Ion Ratio Lower Upper
91 100
106 29.8 22.5 41.7



#53
m,p-Xylene
Concen: 5.68 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
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Acq: 22 Apr 2021 13:54

Tgt Ion:106 Resp: 56520
Ion Ratio Lower Upper
106 100
91 213.0 141.3 262.3





#54

o-Xylene

Concen: 2.55 ug/L

RT: 12.170 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VW018733.D

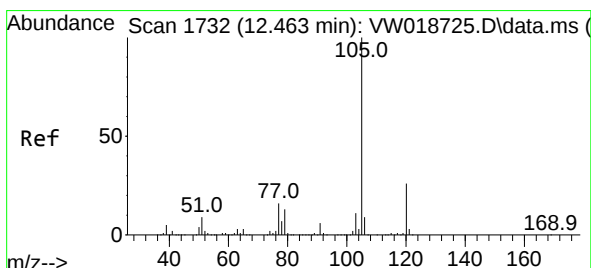
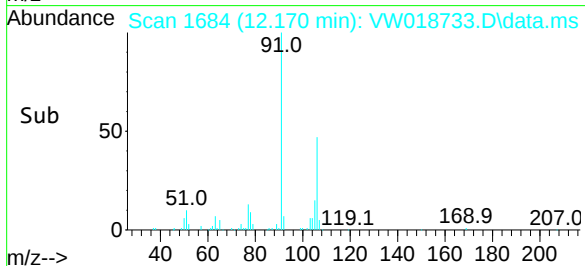
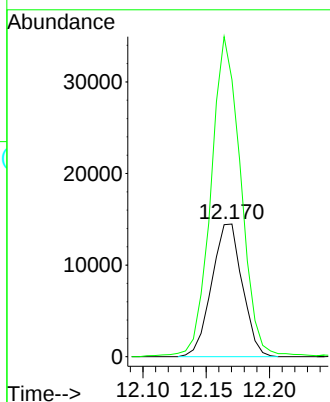
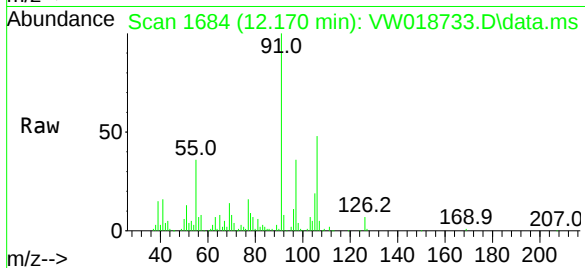
Acq: 22 Apr 2021 13:54

Tgt Ion:106 Resp: 24384

Ion Ratio Lower Upper

106 100

91 208.9 150.0 278.6



#60

Isopropylbenzene

Concen: 70.07 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW018733.D

Acq: 22 Apr 2021 13:54

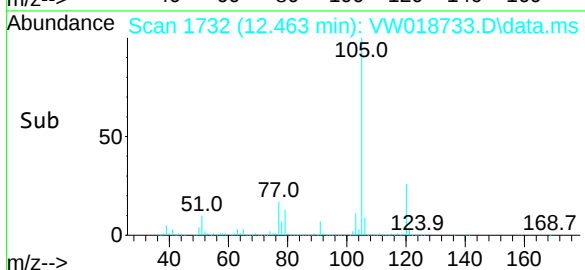
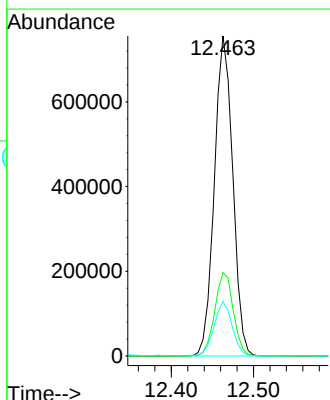
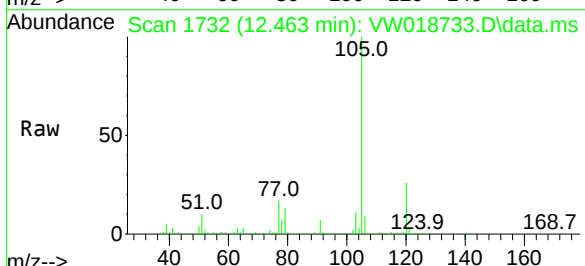
Tgt Ion:105 Resp: 1174416

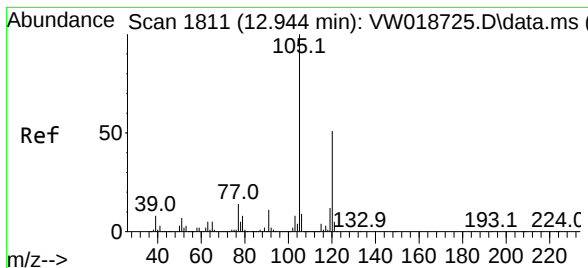
Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

77 16.7 13.2 19.8

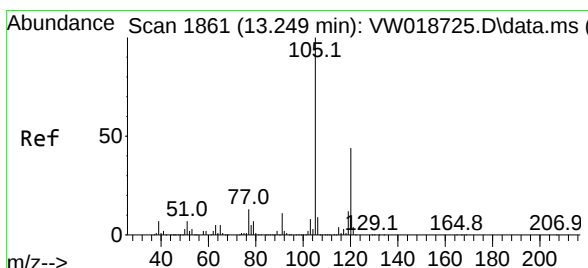
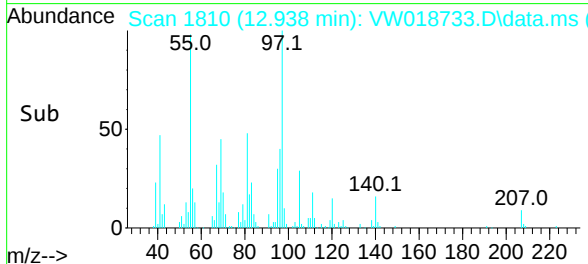
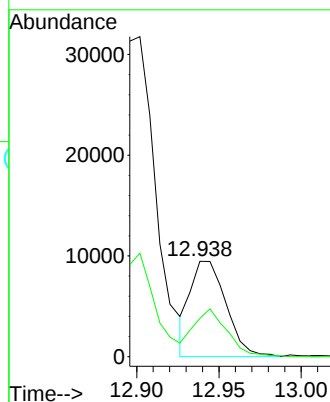
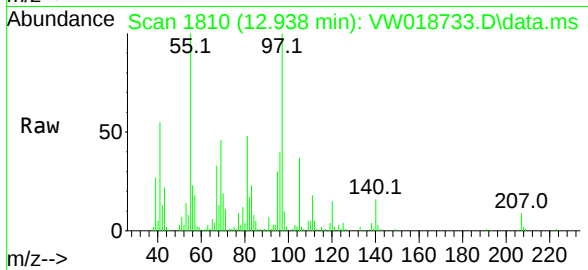




#62
1,3,5-Trimethylbenzene
Concen: 1.03 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

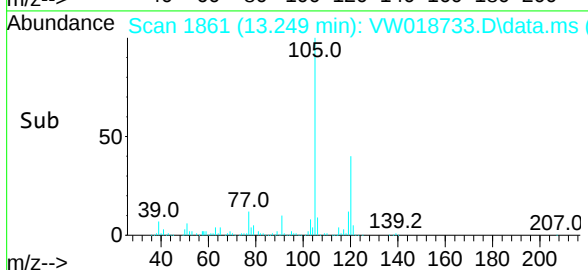
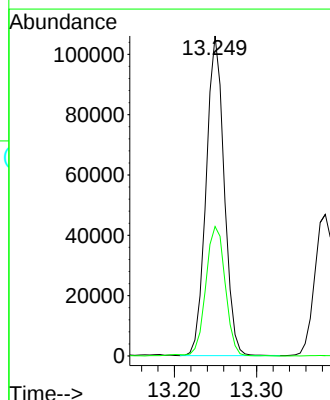
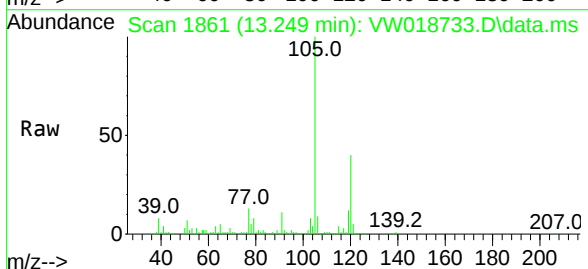
Instrument :
MSVOA_W
ClientSampled :

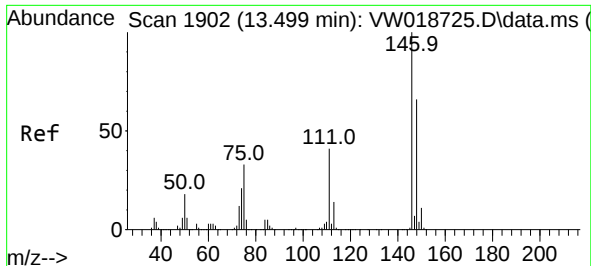
Tgt Ion:105 Resp: 14336
Ion Ratio Lower Upper
105 100
120 47.2 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 11.64 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

Tgt Ion:105 Resp: 161297
Ion Ratio Lower Upper
105 100
120 43.2 35.6 53.4

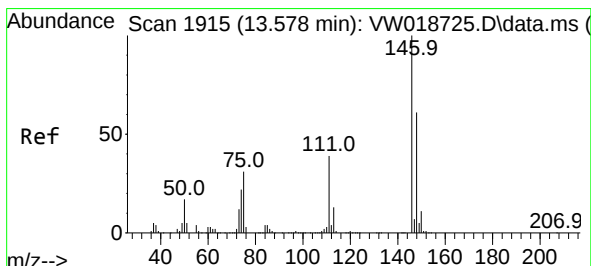
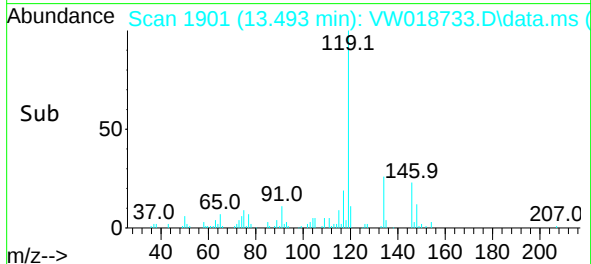
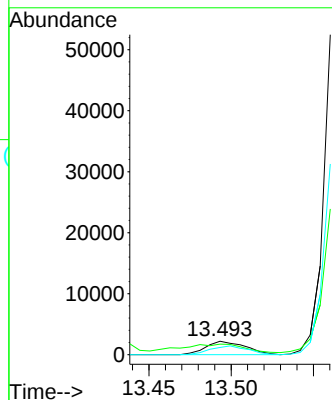
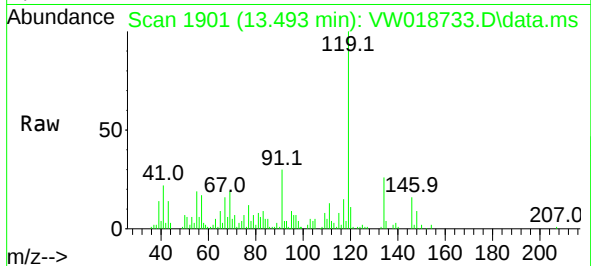




#64
1,3-Dichlorobenzene
Concen: 0.52 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

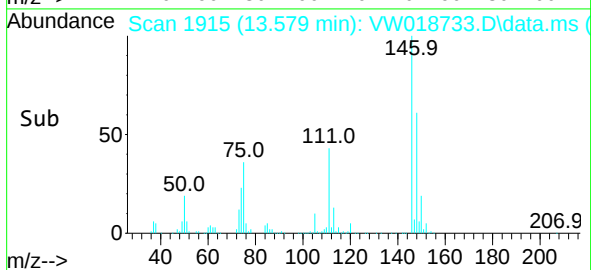
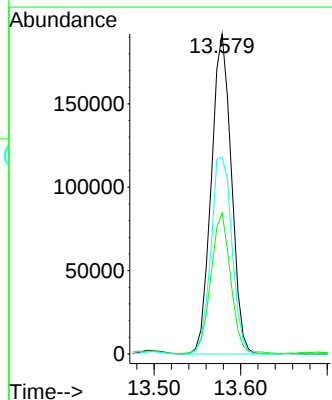
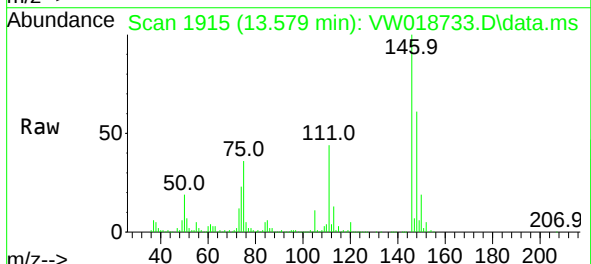
Instrument :
MSVOA_W
ClientSampled :

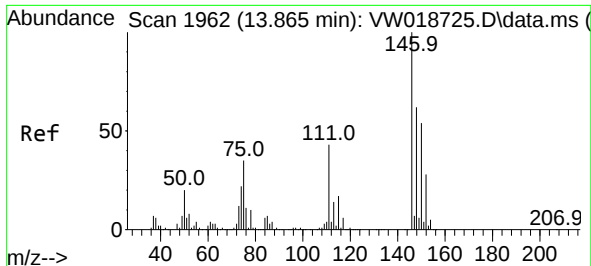
Tgt Ion:146 Resp: 3700
Ion Ratio Lower Upper
146 100
111 79.1 26.7 49.7#
148 53.8 41.1 76.3



#65
1,4-Dichlorobenzene
Concen: 42.90 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

Tgt Ion:146 Resp: 308233
Ion Ratio Lower Upper
146 100
111 44.1 28.8 53.4
148 61.5 46.8 87.0





#67

1,2-Dichlorobenzene

Concen: 8.36 ug/L

RT: 13.871 min Scan# 1963

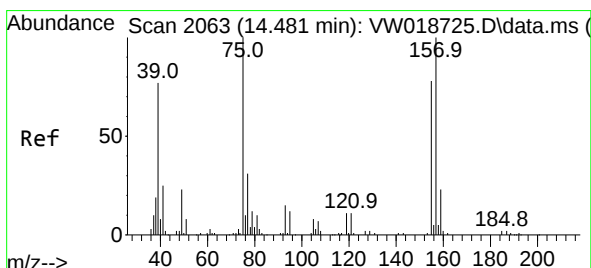
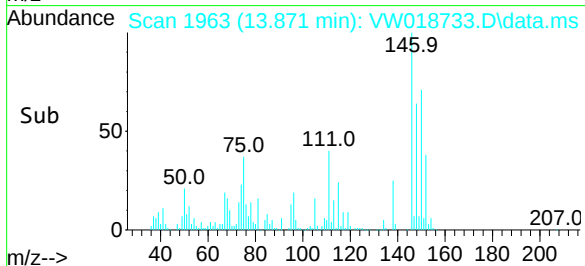
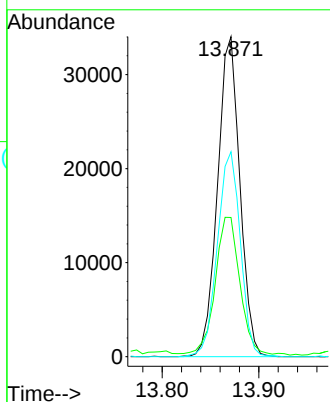
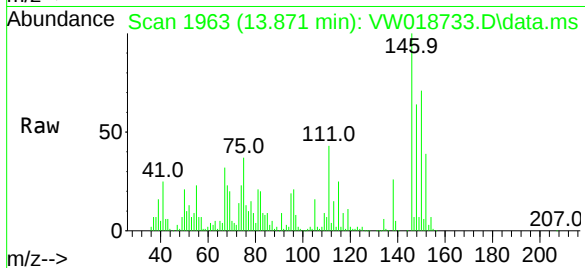
Delta R.T. 0.006 min

Lab File: VW018733.D

Acq: 22 Apr 2021 13:54

Tgt Ion:	146	Resp:	54623
Ion Ratio	Lower	Upper	
146	100		
111	43.5	33.2	49.8
148	64.1	50.4	75.6

Instrument :
MSVOA_W
ClientSampled :



#68

1,2-Dibromo-3-chloropropane

Concen: 6.05 ug/L

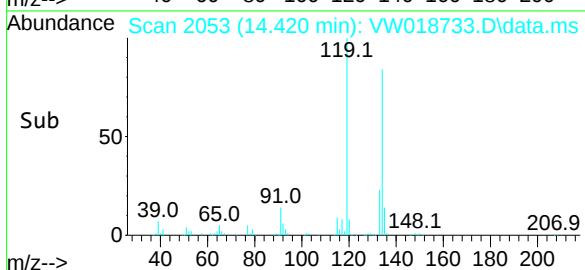
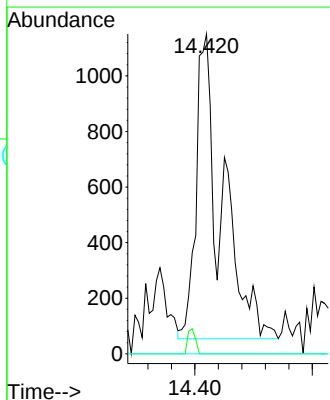
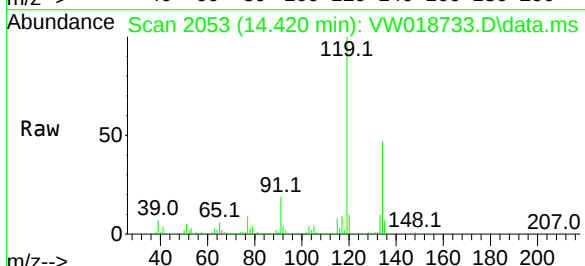
RT: 14.420 min Scan# 2053

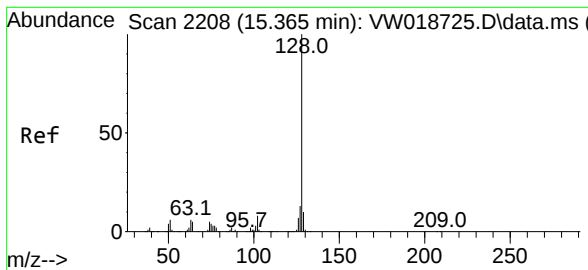
Delta R.T. -0.061 min

Lab File: VW018733.D

Acq: 22 Apr 2021 13:54

Tgt Ion:	75	Resp:	3271
Ion Ratio	Lower	Upper	
75	100		
155	0.0	59.4	89.0#
157	0.0	72.2	108.2#





#71
Naphthalene
Concen: 13.26 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018733.D
Acq: 22 Apr 2021 13:54

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 115345
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.1 9.0 13.6

