

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018690.D
 Acq On : 20 Apr 2021 14:48
 Operator : SY/VA
 Sample : M2065-11
 Misc : 3.36G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG564

Quant Time: Apr 21 01:29:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Apr 21 01:26:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	46450	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	33383	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	10314	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	12320	17.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.80%
7) Chloroethane-d5	2.891	69	11414	18.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.96%
11) 1,1-Dichloroethene-d2	4.031	63	15333	12.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.04%
21) 2-Butanone-d5	7.092	46	10927	68.01	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.02%#
24) Chloroform-d	7.653	84	28522	22.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	8.311	65	16626	23.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	8.281	84	47964	24.49	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.96%
36) 1,2-Dichloropropane-d6	9.281	67	17278	29.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.12%
41) Toluene-d8	10.323	98	34274	19.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.56%
43) trans-1,3-Dichloroprop...	10.579	79	3239	12.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	51.56%
47) 2-Hexanone-d5	10.927	63	7656	74.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.20%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	14473	29.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.44%
66) 1,2-Dichlorobenzene-d4	13.853	152	7421	20.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.92%
Target Compounds						
13) Acetone	4.129	43	7307	62.65	ug/L	90
14) Carbon disulfide	4.391	76	3155	1.74	ug/L #	93
16) Methylene chloride	4.922	84	2674	3.51	ug/L	98
22) 2-Butanone	7.183	43	849	4.79	ug/L	87
29) Cyclohexane	7.952	56	277	0.34	ug/L #	1
31) Carbon tetrachloride	8.244	117	196	0.30	ug/L #	2
33) Benzene	8.336	78	925	0.44	ug/L	100
35) Methylcyclohexane	9.335	83	5388	5.74	ug/L	95
40) 4-Methyl-2-pentanone	10.219	43	770	2.36	ug/L #	89
42) Toluene	10.384	91	958	0.43	ug/L	99
52) Ethylbenzene	11.841	91	830	0.33	ug/L	92
54) o-Xylene	12.164	106	854	0.98	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.585	83	398	0.81	ug/L	82
60) Isopropylbenzene	12.463	105	954	0.63	ug/L #	86
62) 1,3,5-Trimethylbenzene	12.951	105	2235	1.78	ug/L	97
63) 1,2,4-Trimethylbenzene	13.255	105	2239	1.79	ug/L	90
71) Naphthalene	15.365	128	988	1.26	ug/L #	75
72) 1,2,3-Trichlorobenzene	15.572	180	450	1.36	ug/L #	38

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Apr 21 01:26:40 2021
Response via : Initial Calibration

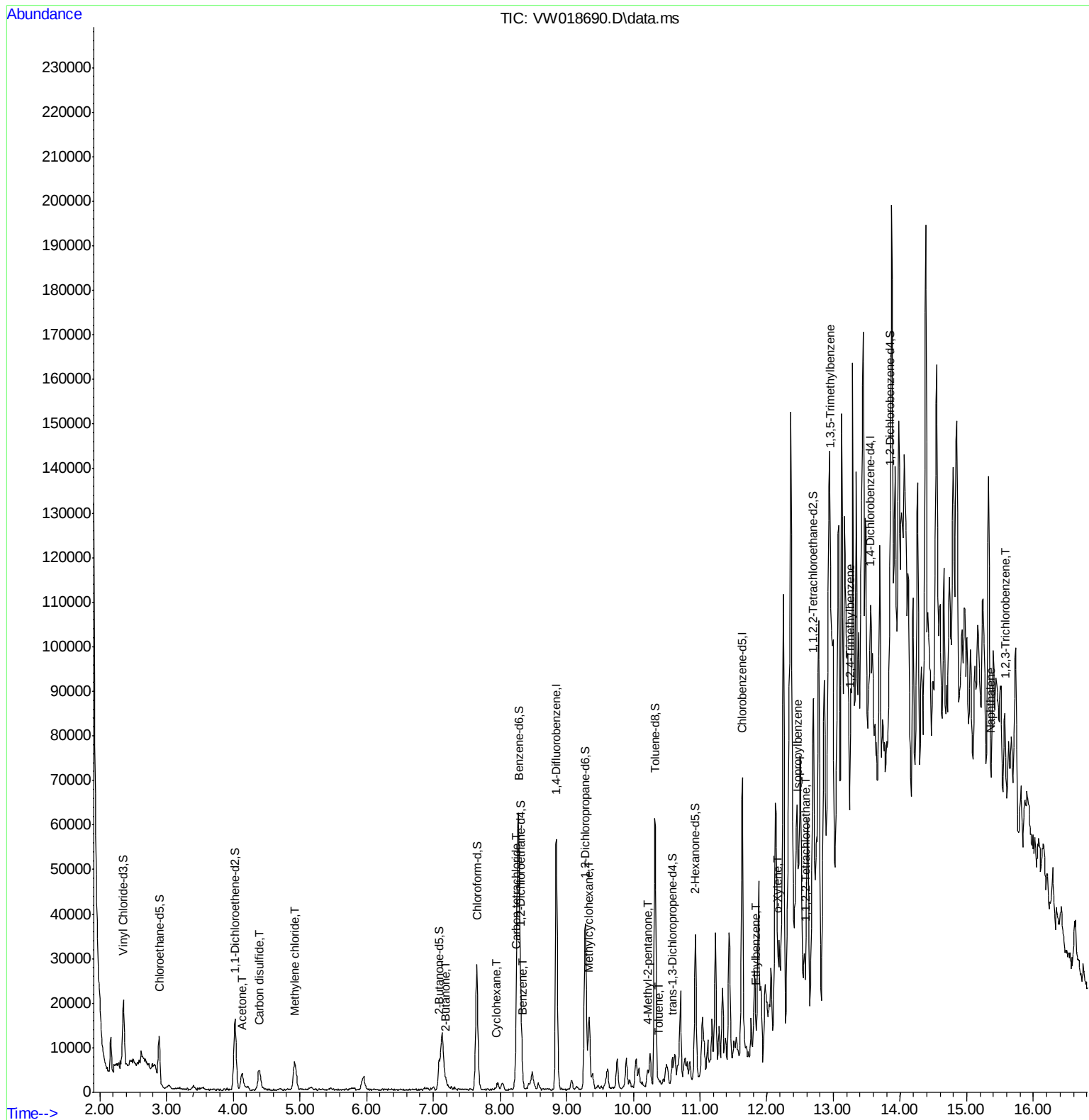
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

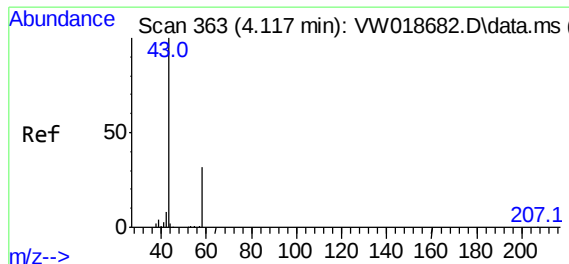
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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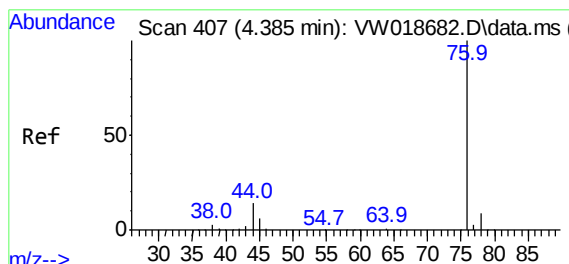
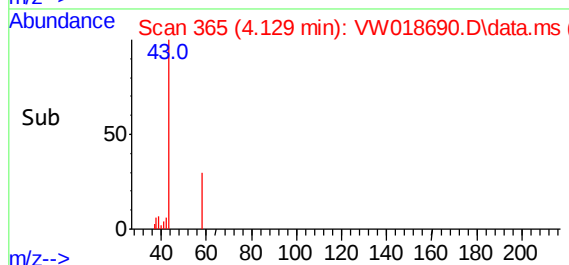
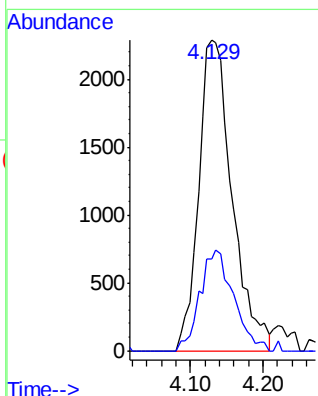
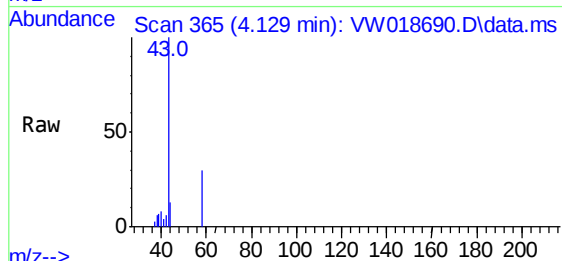




#13
Acetone
Concen: 62.65 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

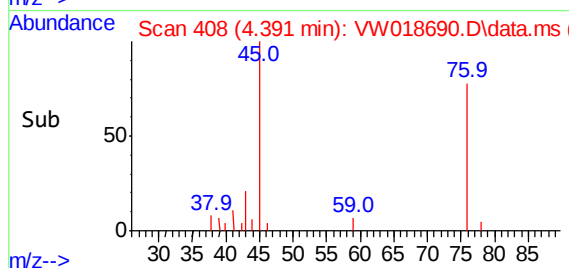
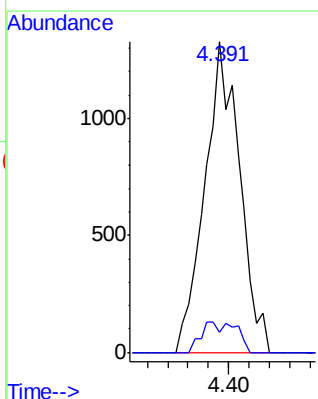
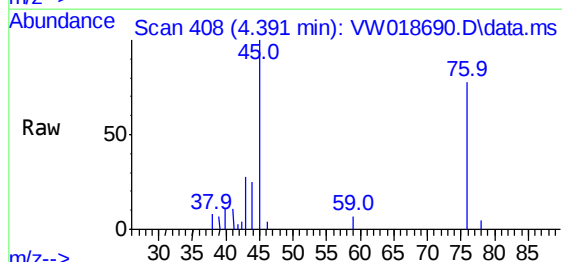
Instrument :
MSVOA_W
ClientSampled :
BG564

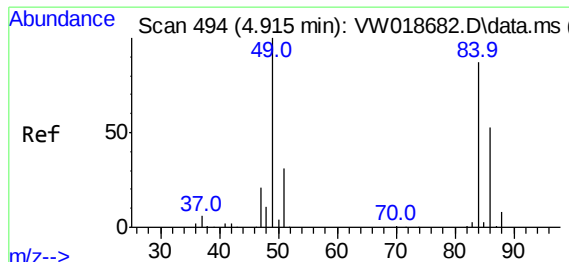
Tgt Ion: 43 Resp: 7307
Ion Ratio Lower Upper
43 100
58 31.9 0.0 53.8



#14
Carbon disulfide
Concen: 1.74 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion: 76 Resp: 3155
Ion Ratio Lower Upper
76 100
78 6.6 7.4 11.0#



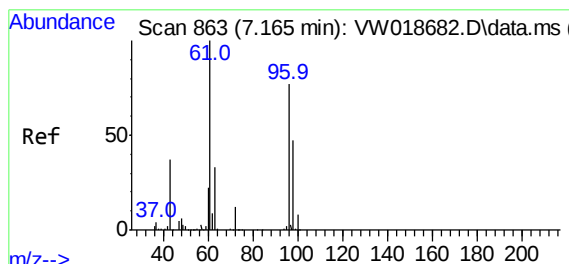
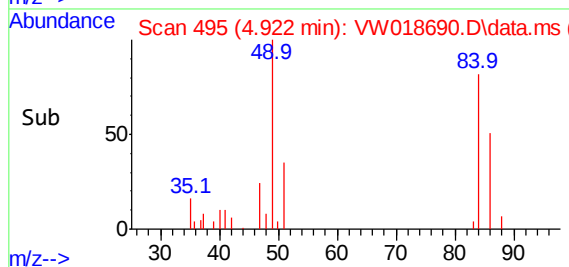
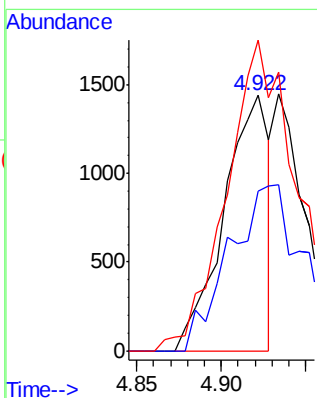
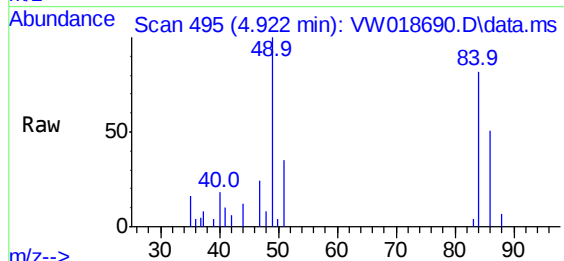


#16
Methylene chloride
Concen: 3.51 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Instrument :
MSVOA_W
ClientSampled :
BG564

Tgt Ion: 84 Resp: 2674

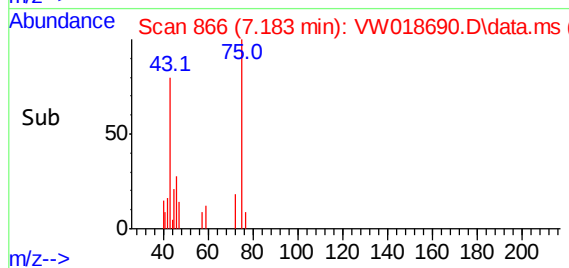
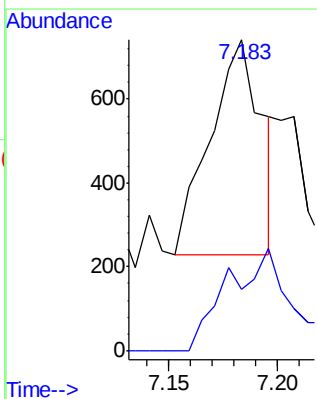
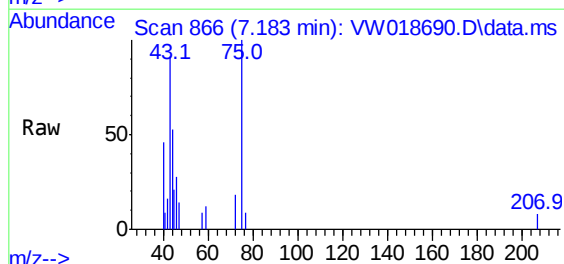
Ion	Ratio	Lower	Upper
84	100		
86	62.6	45.3	84.1
49	121.7	86.6	160.8

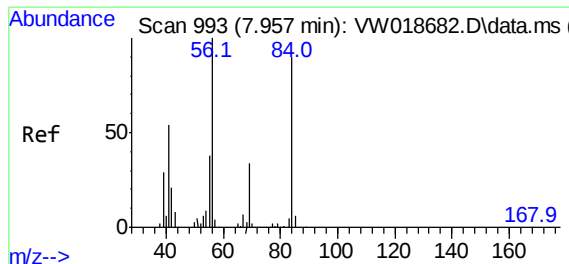


#22
2-Butanone
Concen: 4.79 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.019 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion: 43 Resp: 849

Ion	Ratio	Lower	Upper
43	100		
72	22.6	14.9	44.7

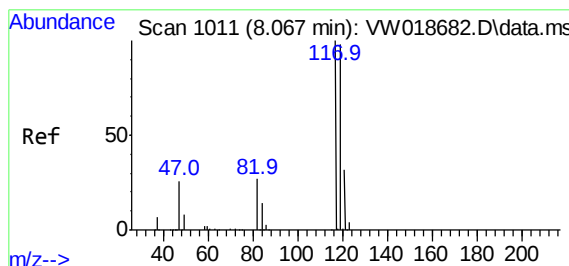
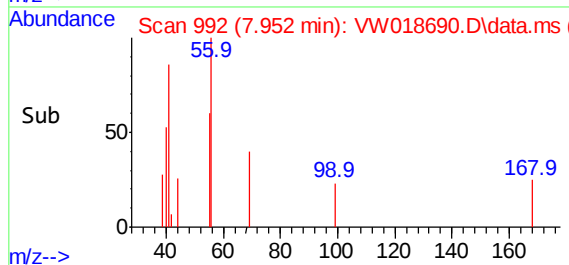
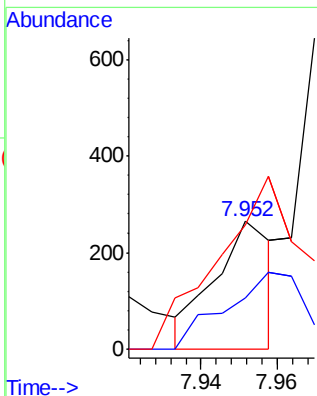
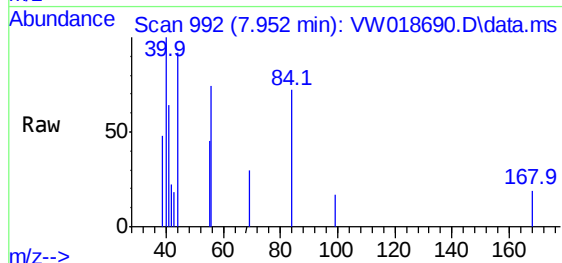




#29
Cyclohexane
Concen: 0.34 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

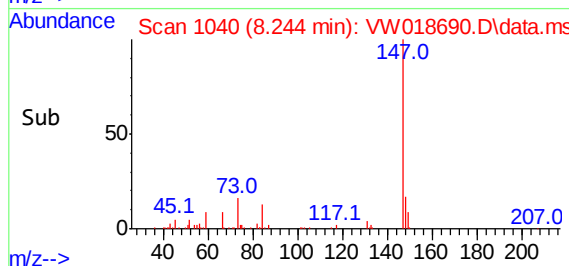
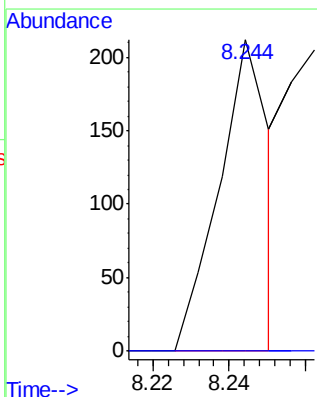
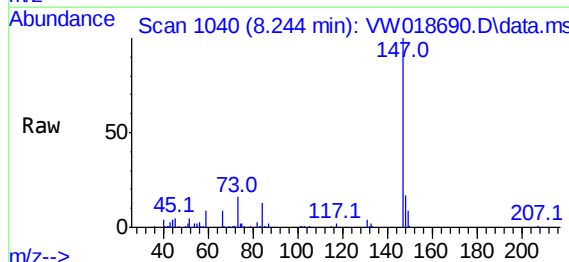
Instrument :
MSVOA_W
ClientSampled :
BG564

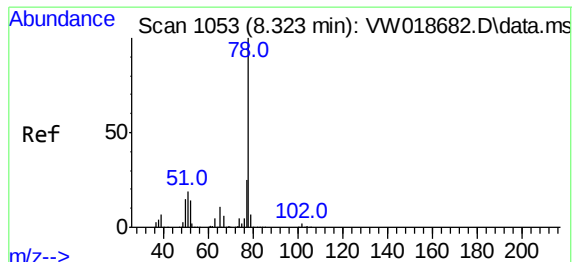
Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
69 89.2 24.5 36.7#
84 191.3 75.0 112.4#



#31
Carbon tetrachloride
Concen: 0.30 ug/L
RT: 8.244 min Scan# 1040
Delta R.T. 0.177 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion: 117 Resp: 196
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#

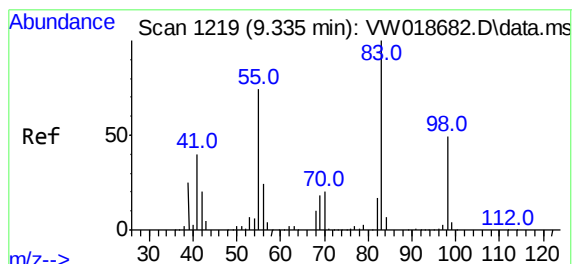
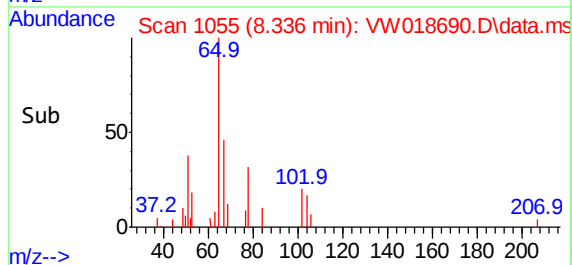
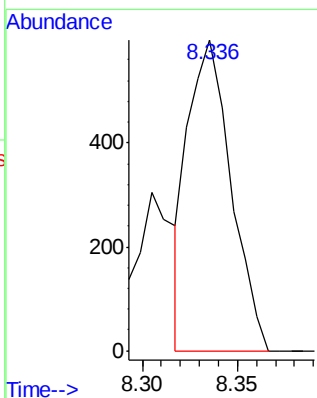
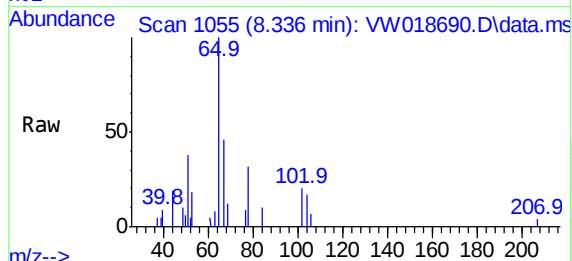




#33
Benzene
Concen: 0.44 ug/L
RT: 8.336 min Scan# 1055
Delta R.T. 0.013 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Instrument :
MSVOA_W
ClientSampled :
BG564

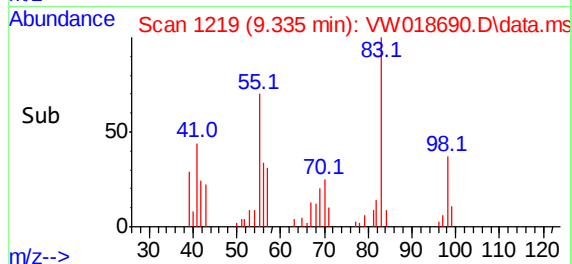
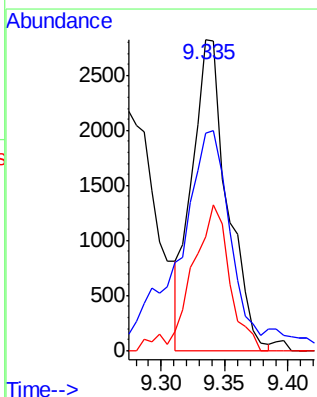
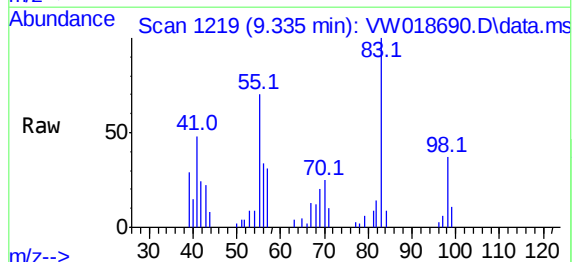
Tgt Ion: 78 Resp: 925

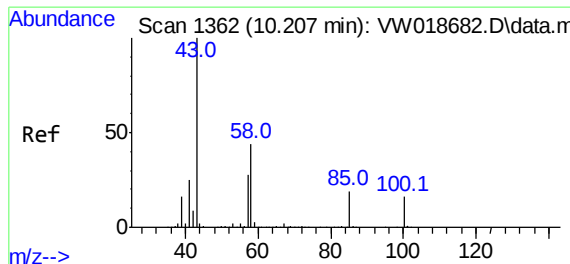


#35
Methylcyclohexane
Concen: 5.74 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion: 83 Resp: 5388

Ion	Ratio	Lower	Upper
83	100		
55	77.5	58.9	88.3
98	46.9	40.1	60.1

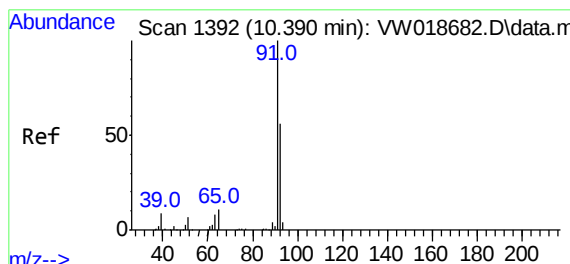
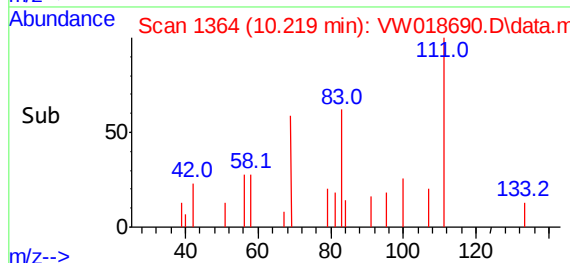
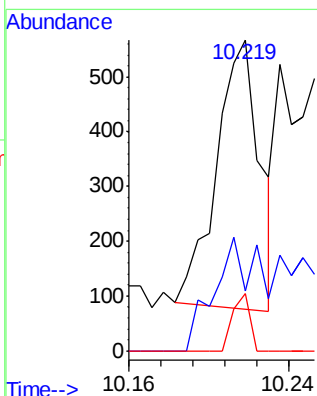
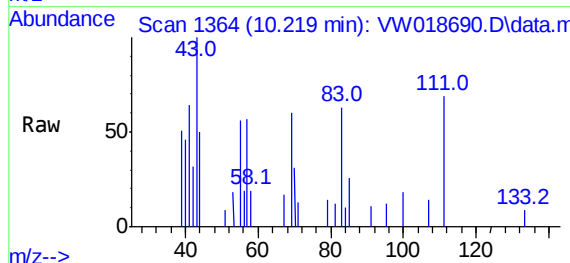




#40
4-Methyl-2-pentanone
Concen: 2.36 ug/L
RT: 10.219 min Scan# 1364
Delta R.T. 0.013 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

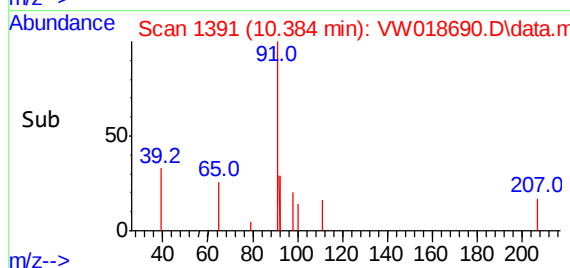
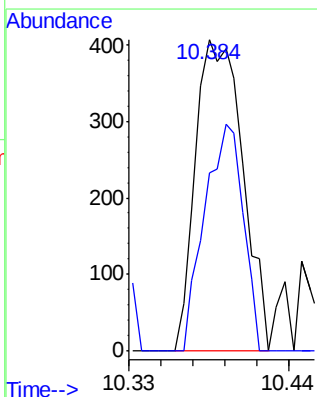
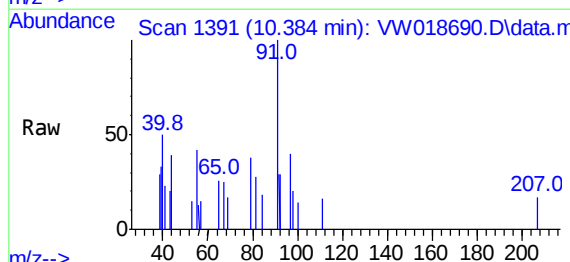
Instrument :
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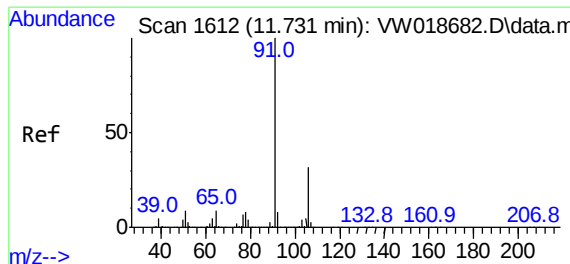
Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 43.5 31.0 46.4
100 8.6 13.0 19.6#



#42
Toluene
Concen: 0.43 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion: 91 Resp: 958
Ion Ratio Lower Upper
91 100
92 57.0 39.5 73.3





#52

Ethylbenzene

Concen: 0.33 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. 0.110 min

Lab File: VW018690.D

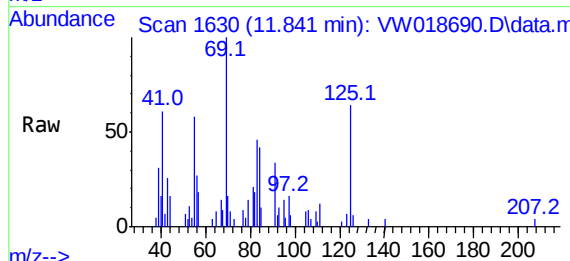
Acq: 20 Apr 2021 14:48

Tgt Ion: 91 Resp: 830

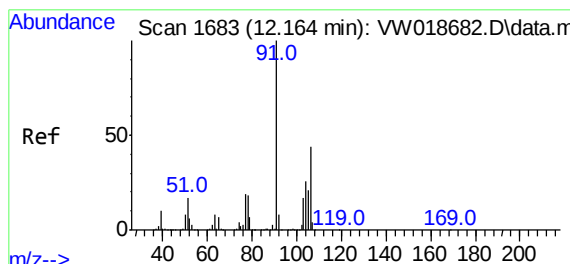
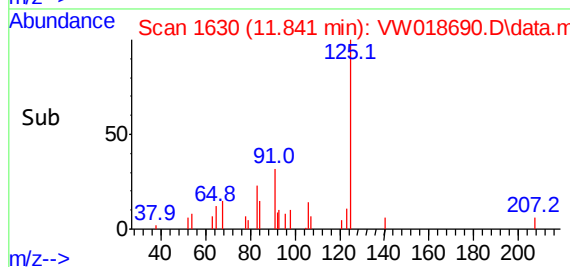
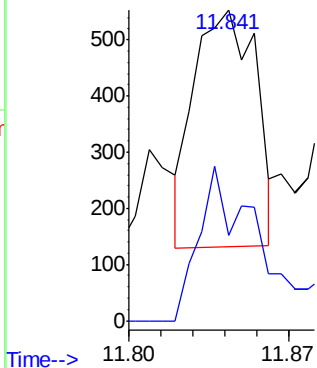
Ion Ratio Lower Upper

91 100

106 27.5 22.5 41.7



Abundance



#54

o-Xylene

Concen: 0.98 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VW018690.D

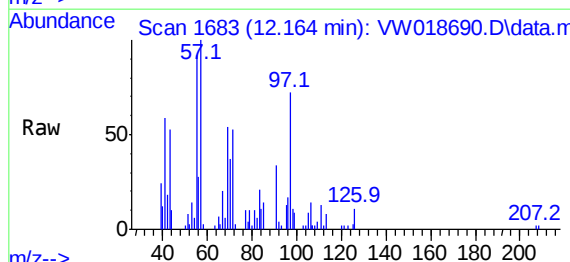
Acq: 20 Apr 2021 14:48

Tgt Ion: 106 Resp: 854

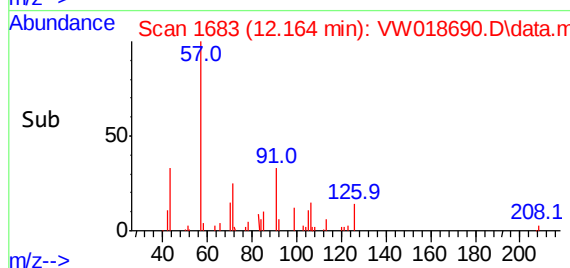
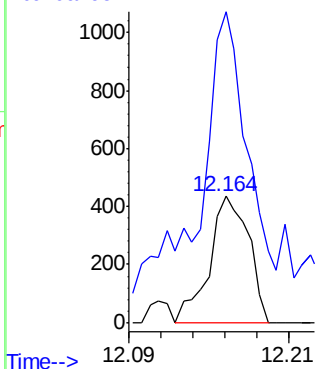
Ion Ratio Lower Upper

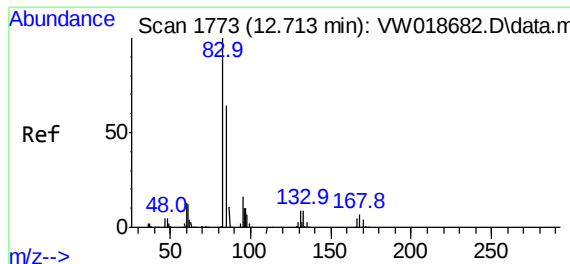
106 100

91 220.1 150.0 278.6



Abundance

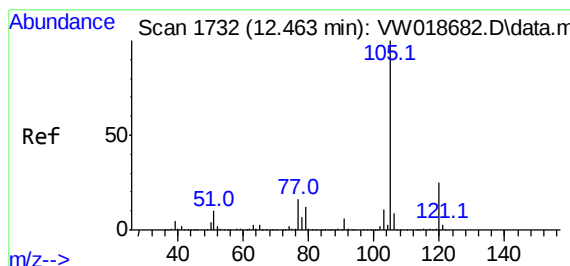
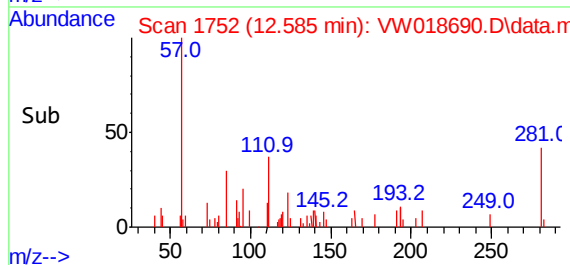
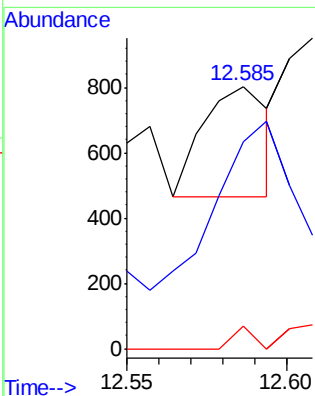
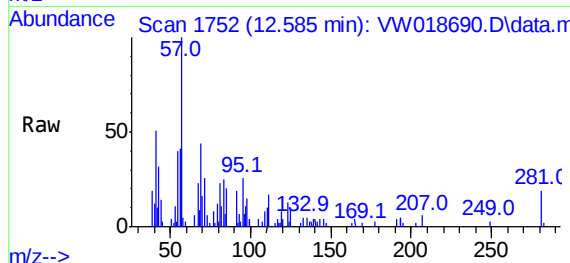




#57
1,1,2,2-Tetrachloroethane
Concen: 0.81 ug/L
RT: 12.585 min Scan# 1752
Delta R.T. -0.128 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

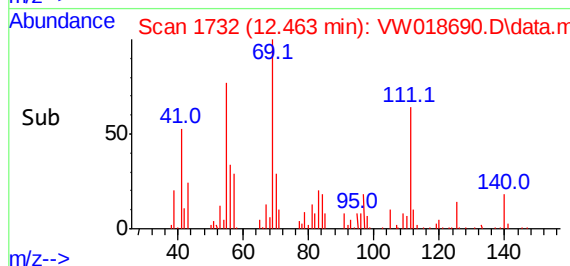
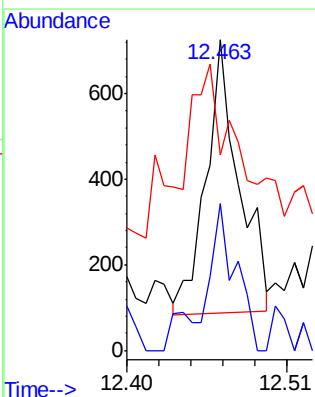
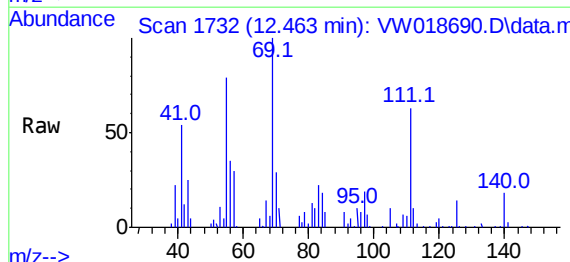
Instrument :
MSVOA_W
ClientSampled :
BG564

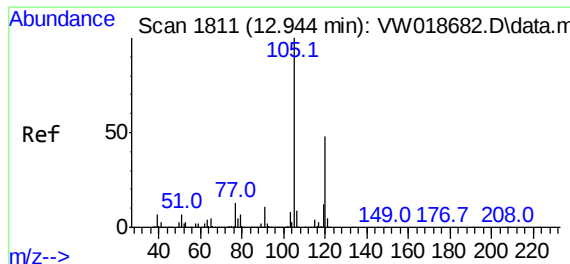
Tgt Ion:	83	Resp:	398
Ion	Ratio	Lower	Upper
83	100		
85	79.0	44.4	82.4
131	8.5	8.2	12.4



#60
Isopropylbenzene
Concen: 0.63 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion:	105	Resp:	954
Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.1	31.7
77	31.2	13.2	19.8

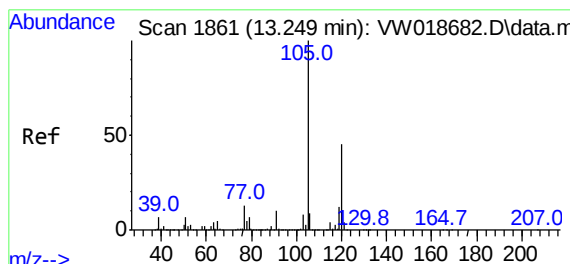
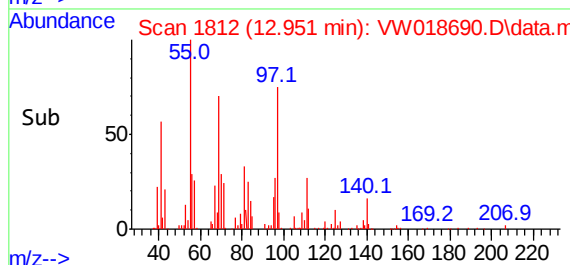
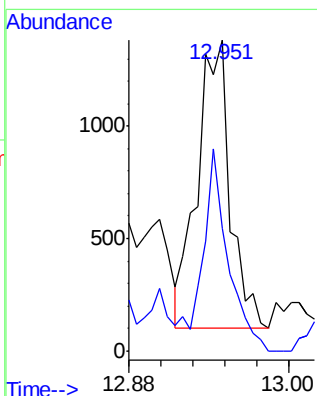
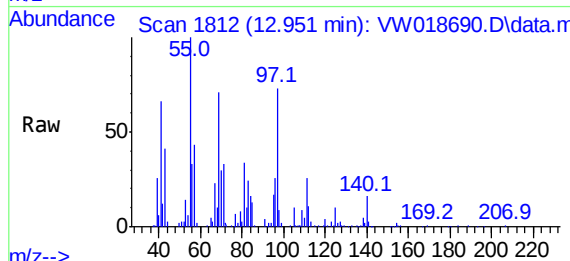




#62
1,3,5-Trimethylbenzene
Concen: 1.78 ug/L
RT: 12.951 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

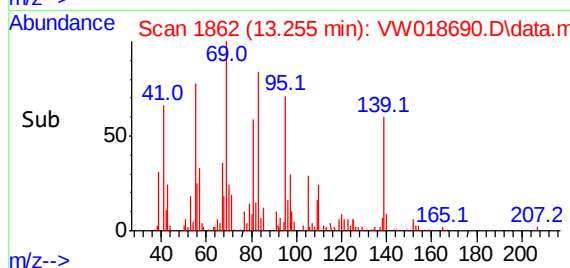
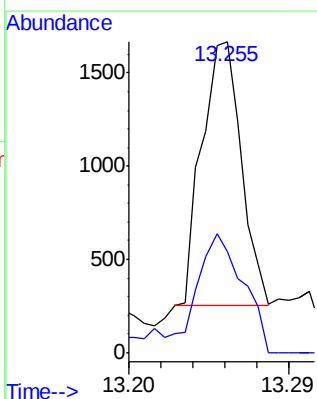
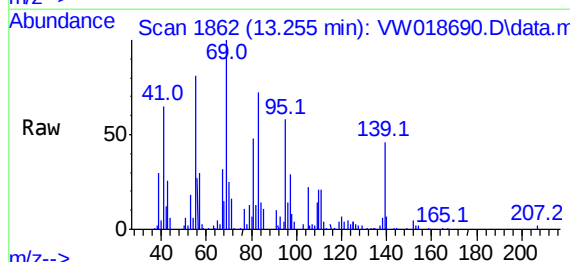
Instrument :
MSVOA_W
ClientSampleID :
BG564

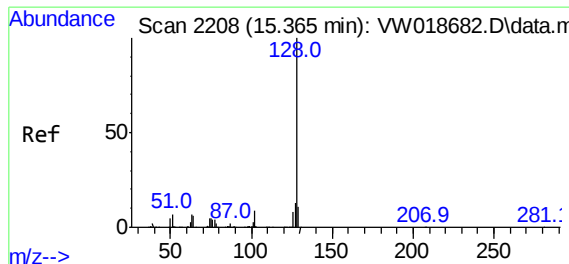
Tgt Ion:105 Resp: 2235
Ion Ratio Lower Upper
105 100
120 50.6 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 1.79 ug/L
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion:105 Resp: 2239
Ion Ratio Lower Upper
105 100
120 51.2 35.6 53.4

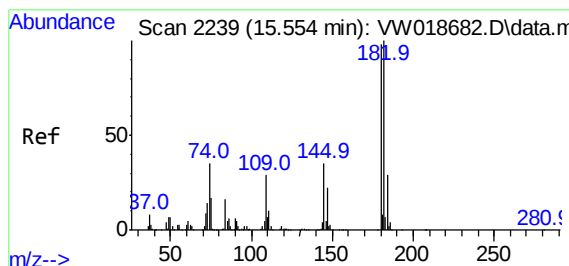
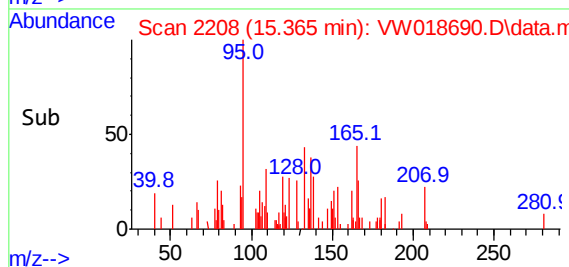
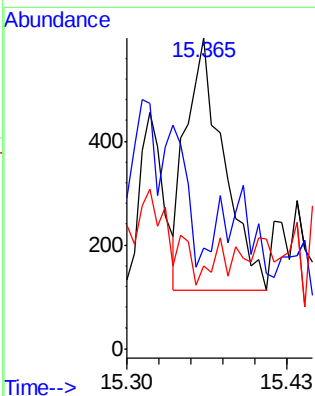
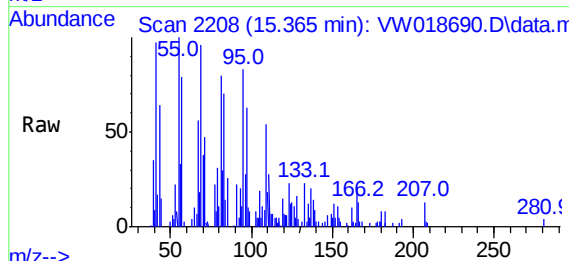




#71
Naphthalene
Concen: 1.26 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Instrument :
MSVOA_W
ClientSampled :
BG564

Tgt Ion:128 Resp: 988
Ion Ratio Lower Upper
128 100
127 21.7 10.6 15.8#
129 0.0 9.0 13.6#



#72
1,2,3-Trichlorobenzene
Concen: 1.36 ug/L
RT: 15.572 min Scan# 2242
Delta R.T. 0.019 min
Lab File: VW018690.D
Acq: 20 Apr 2021 14:48

Tgt Ion:180 Resp: 450
Ion Ratio Lower Upper
180 100
182 35.6 76.7 115.1#
145 0.0 28.9 43.3#

