

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
 Data File : VW018850.D
 Acq On : 29 Apr 2021 17:06
 Operator : SY/VA
 Sample : M2177-22
 Misc : 5.18G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 02:12:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 30 02:09:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	691280	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	479706	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	161272	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	209567	23.63	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.52%
7) Chloroethane-d5	2.885	69	168179	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.92%
11) 1,1-Dichloroethene-d2	4.013	63	295351	16.77	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.08%
21) 2-Butanone-d5	7.098	46	90067	38.99	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.98%
24) Chloroform-d	7.653	84	380934	20.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.96%
26) 1,2-Dichloroethane-d4	8.500	65	67	0.01	ug/L	0.20
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
32) Benzene-d6	8.275	84	780466	28.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.16%
36) 1,2-Dichloropropane-d6	9.275	67	224199	27.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.52%
41) Toluene-d8	10.323	98	652571	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.28%
43) trans-1,3-Dichloroprop...	10.579	79	58946	16.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.52%
47) 2-Hexanone-d5	10.927	63	78355	54.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.84%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	148798	21.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.36%
66) 1,2-Dichlorobenzene-d4	13.853	152	118661	21.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.88%
Target Compounds						
					Qvalue	
13) Acetone	4.178	43	35715	20.18	ug/L	85
14) Carbon disulfide	4.379	76	63365	2.39	ug/L	97
16) Methylene chloride	4.922	84	32563	2.85	ug/L	93
22) 2-Butanone	7.196	43	11437	4.66	ug/L	92
29) Cyclohexane	7.958	56	3899	0.34	ug/L #	96
35) Methylcyclohexane	9.336	83	8148	0.60	ug/L #	42
39) cis-1,3-Dichloropropene	10.031	75	4649	0.42	ug/L	87
42) Toluene	10.390	91	17982	0.57	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	13016	2.37	ug/L #	30
52) Ethylbenzene	11.731	91	11732	0.33	ug/L	88
53) m,p-Xylene	11.841	106	5331	0.41	ug/L	79
54) o-Xylene	12.164	106	7192	0.58	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.689	83	75598	11.37	ug/L #	96
60) Isopropylbenzene	12.463	105	21810	0.95	ug/L #	44
62) 1,3,5-Trimethylbenzene	12.939	105	8689	0.45	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	24220	1.26	ug/L	99
65) 1,4-Dichlorobenzene	13.579	146	14709	1.50	ug/L #	1
67) 1,2-Dichlorobenzene	13.865	146	4092	0.47	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.389	75	2027	2.79	ug/L #	1

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Quant Title : SFAM01.0
QLast Update : Fri Apr 30 02:09:50 2021
Response via : Initial Calibration

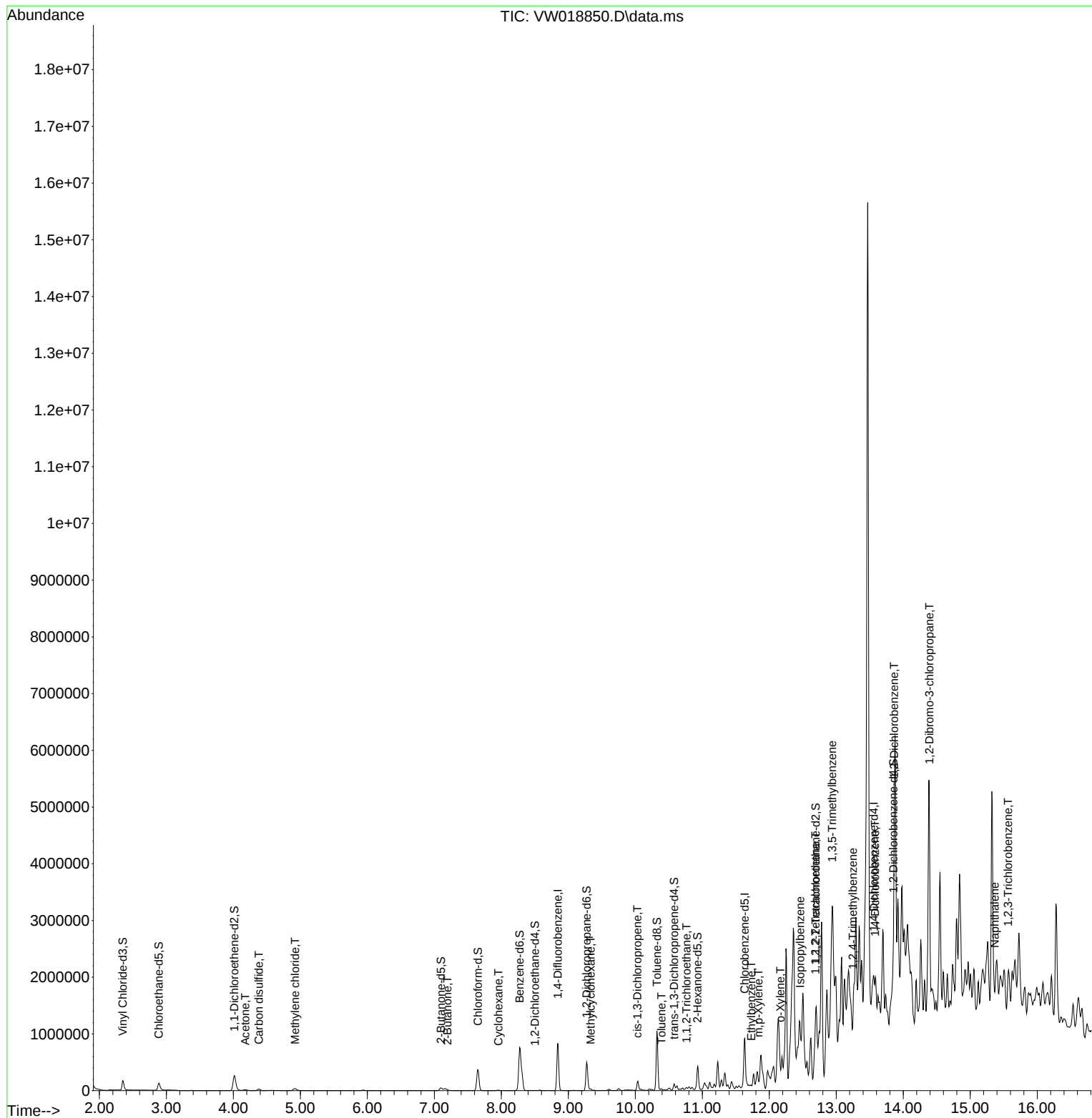
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	271478	22.13	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.566	180	8459	1.65	ug/L #	1

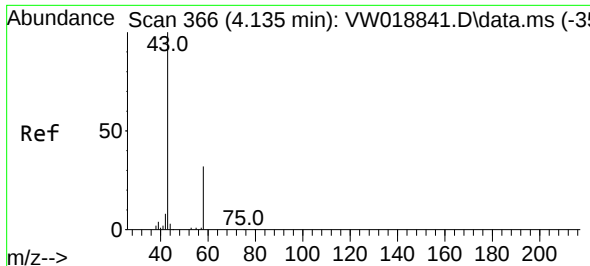
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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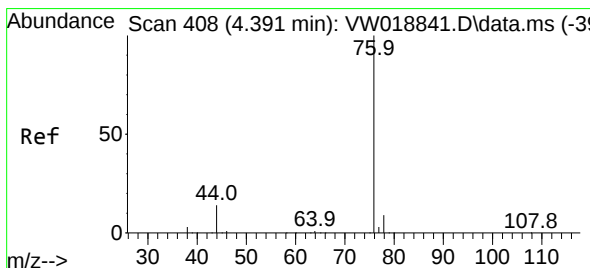
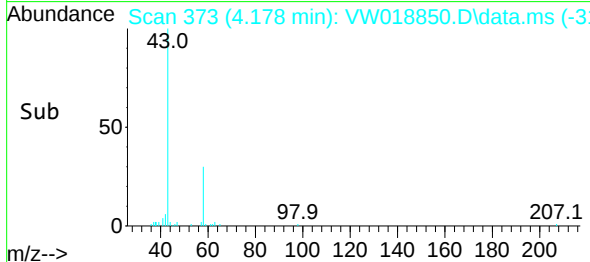
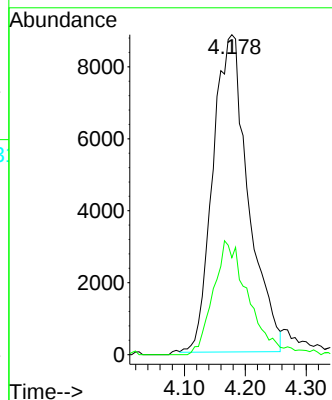
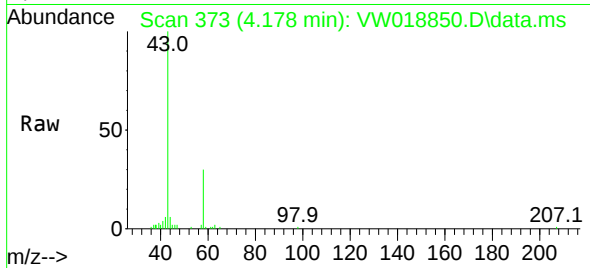




#13
Acetone
Concen: 20.18 ug/L
RT: 4.178 min Scan# 373
Delta R.T. 0.043 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

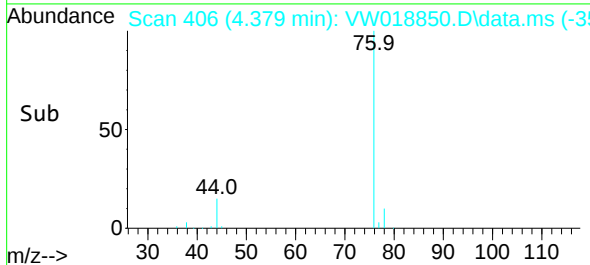
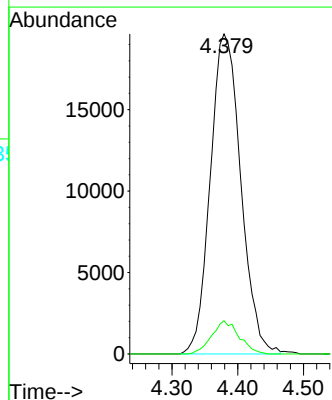
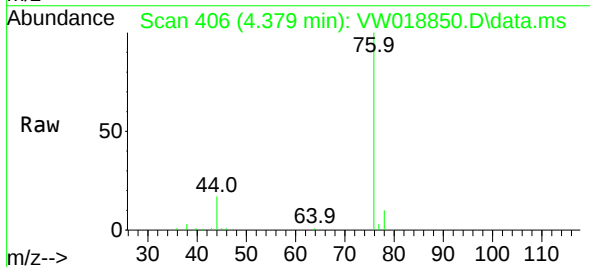
Instrument :
MSVOA_W
ClientSampled :

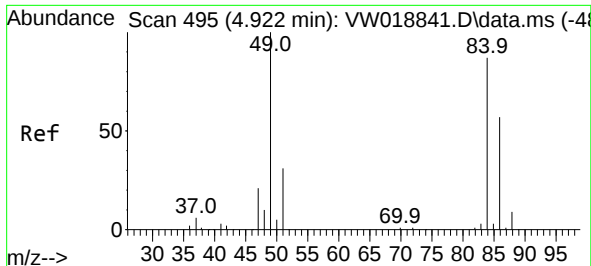
Tgt Ion: 43 Resp: 35715
Ion Ratio Lower Upper
43 100
58 19.2 0.0 53.8



#14
Carbon disulfide
Concen: 2.39 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.012 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Tgt Ion: 76 Resp: 63365
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0

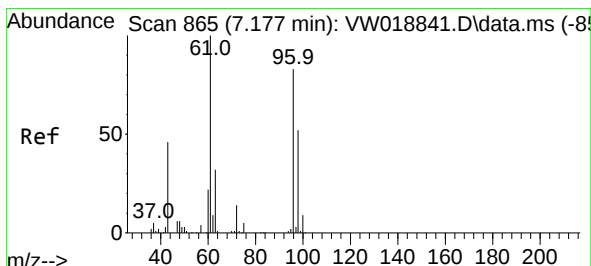
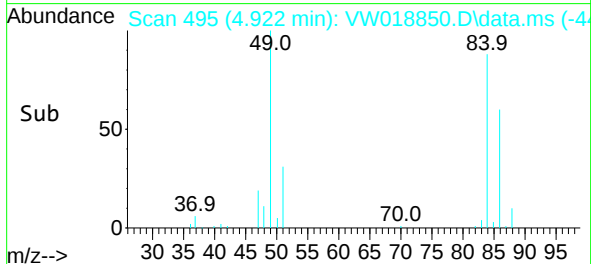
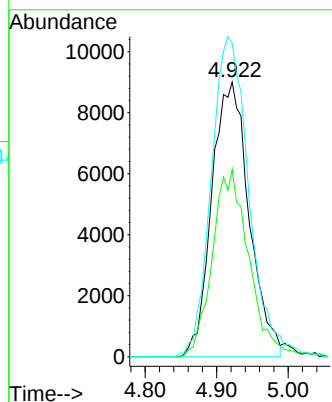
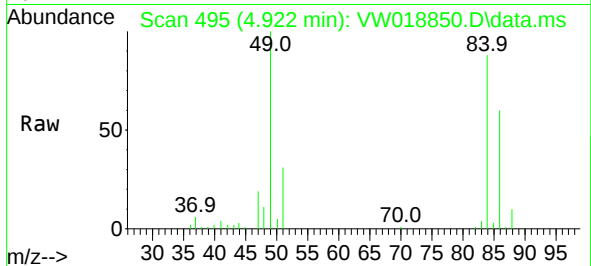




#16
Methylene chloride
Concen: 2.85 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

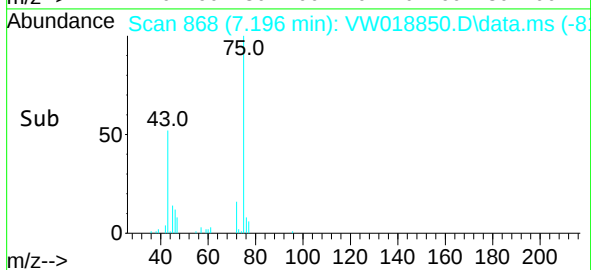
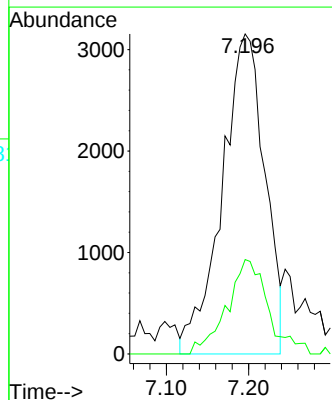
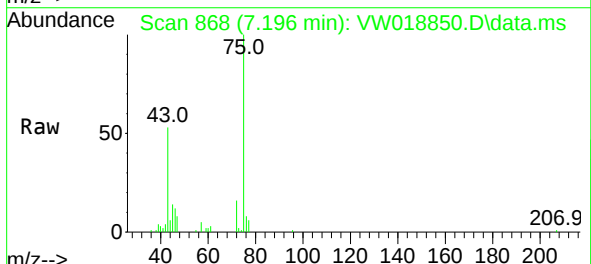
Instrument :
MSVOA_W
ClientSampled :

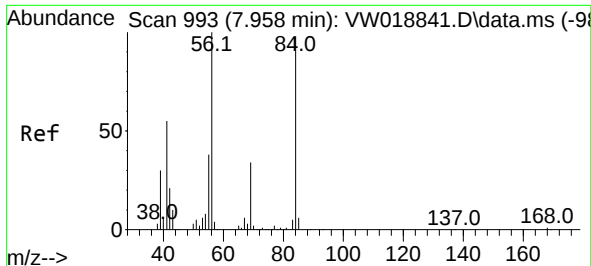
Tgt Ion: 84 Resp: 32563
Ion Ratio Lower Upper
84 100
86 68.1 45.3 84.1
49 114.2 86.6 160.8



#22
2-Butanone
Concen: 4.66 ug/L
RT: 7.196 min Scan# 868
Delta R.T. 0.018 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Tgt Ion: 43 Resp: 11437
Ion Ratio Lower Upper
43 100
72 25.6 14.9 44.7

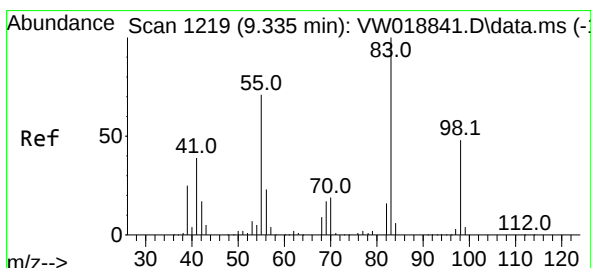
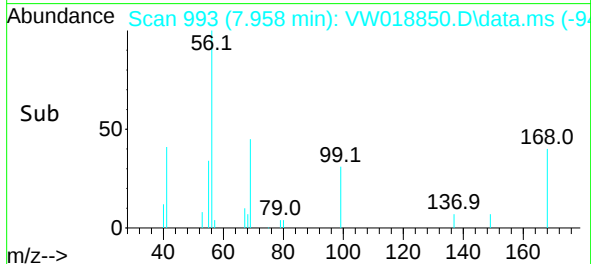
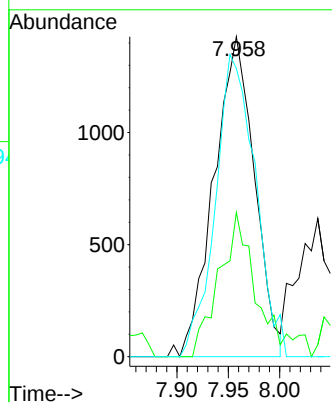
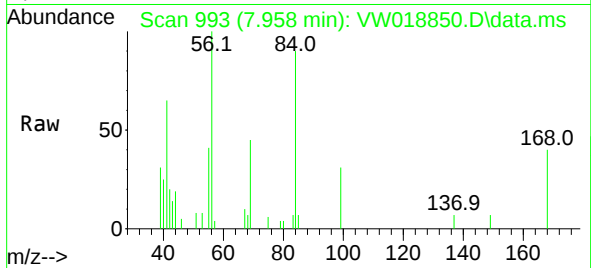




#29
Cyclohexane
Concen: 0.34 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

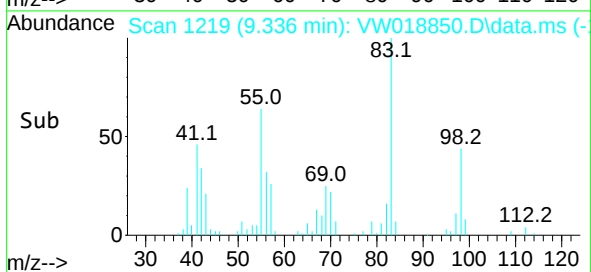
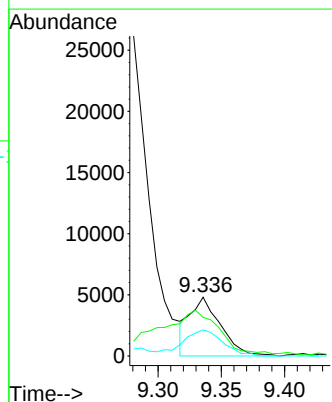
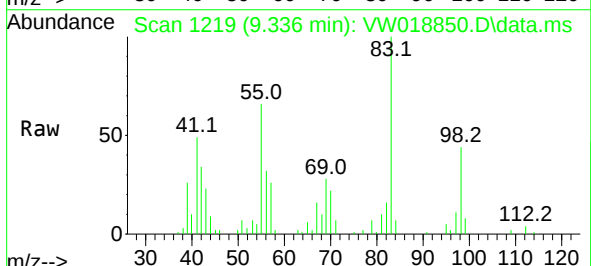
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MSVOA_W
ClientSampleId :

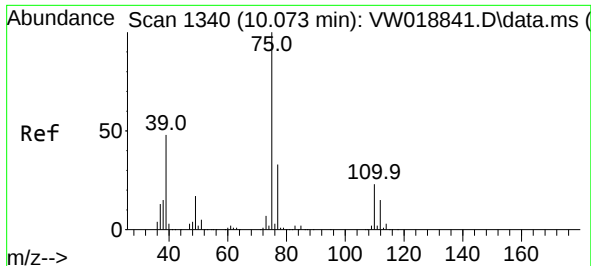
Tgt Ion: 56 Resp: 3899
Ion Ratio Lower Upper
56 100
69 22.8 24.5 36.7#
84 93.3 75.0 112.4



#35
Methylcyclohexane
Concen: 0.60 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Tgt Ion: 83 Resp: 8148
Ion Ratio Lower Upper
83 100
55 150.0 58.9 88.3#
98 57.3 40.1 60.1

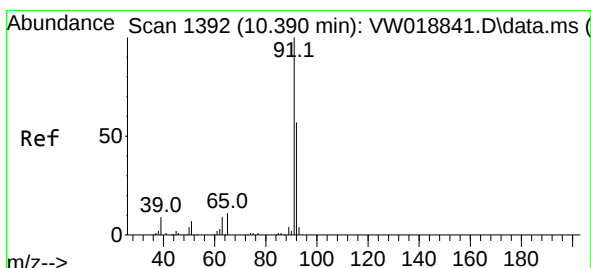
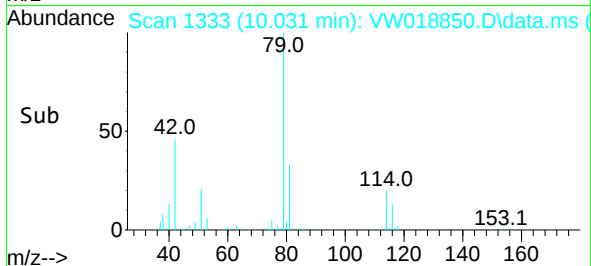
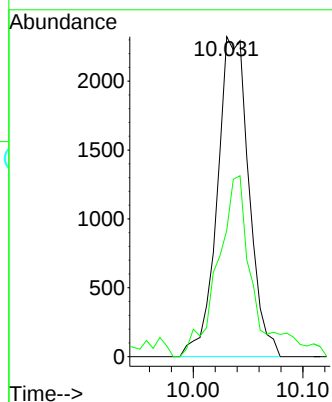
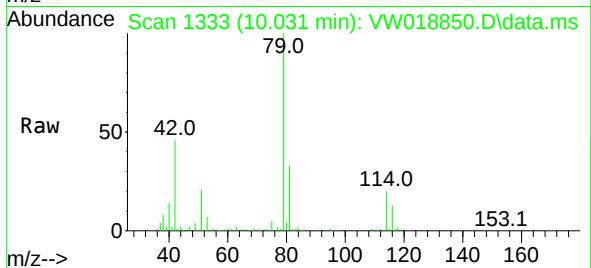




#39
cis-1,3-Dichloropropene
Concen: 0.42 ug/L
RT: 10.031 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

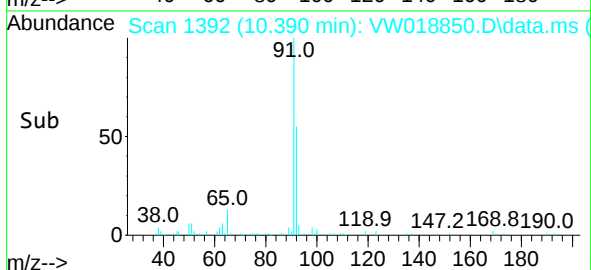
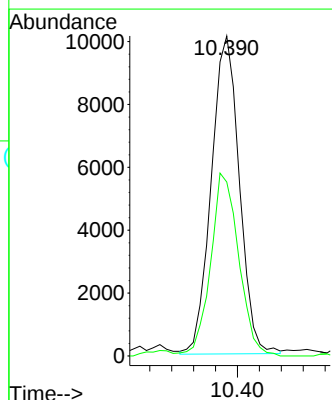
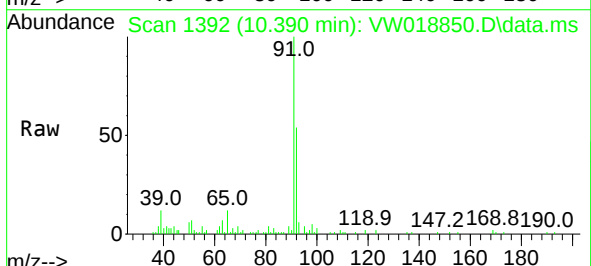
Instrument :
MSVOA_W
ClientSampled :

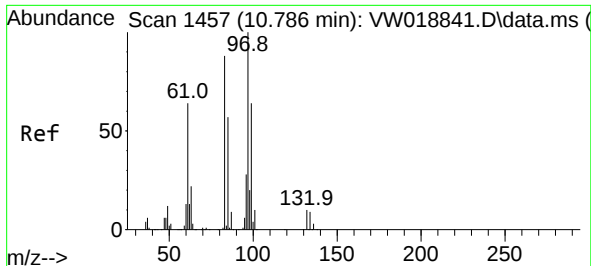
Tgt Ion: 75 Resp: 4649
Ion Ratio Lower Upper
75 100
77 39.5 22.6 42.0



#42
Toluene
Concen: 0.57 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

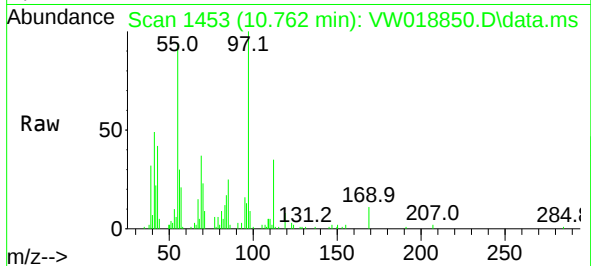
Tgt Ion: 91 Resp: 17982
Ion Ratio Lower Upper
91 100
92 54.4 39.5 73.3



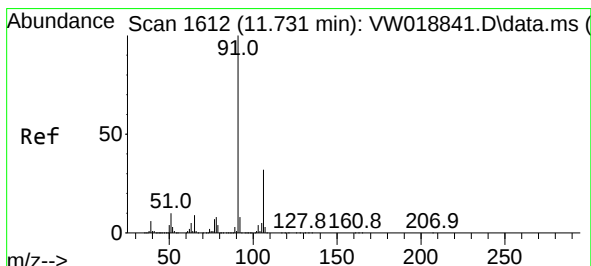
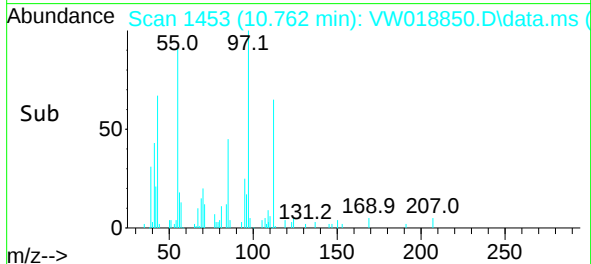
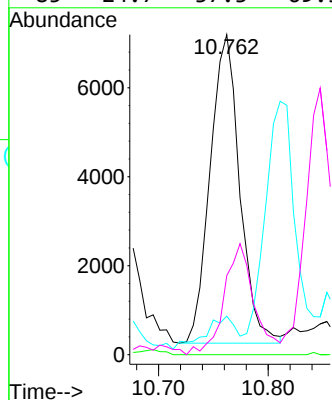


#45
1,1,2-Trichloroethane
Concen: 2.37 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Instrument :
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ClientSampleId :

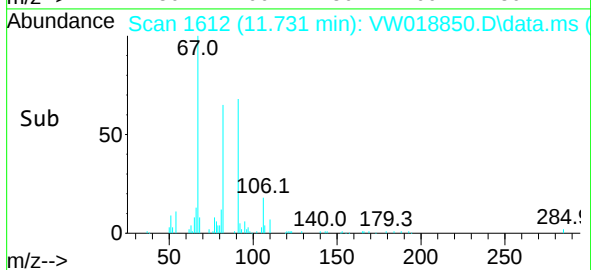
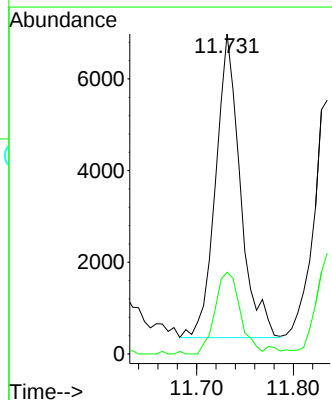
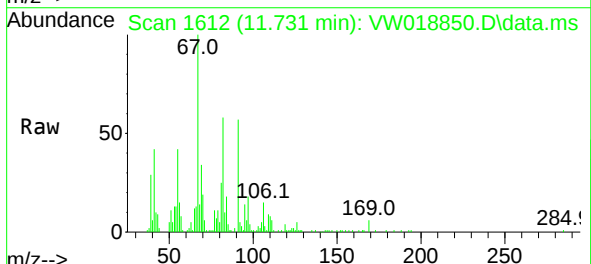


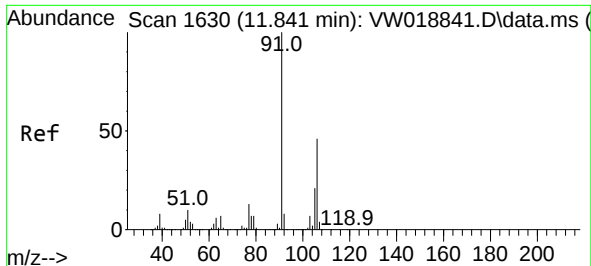
Tgt Ion:	97	Resp:	13016
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.1	83.7#
83	12.0	58.1	107.9#
85	24.7	37.3	69.3#



#52
Ethylbenzene
Concen: 0.33 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Tgt Ion:	91	Resp:	11732
Ion	Ratio	Lower	Upper
91	100		
106	25.6	22.5	41.7

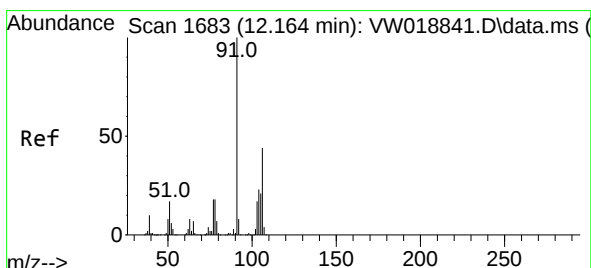
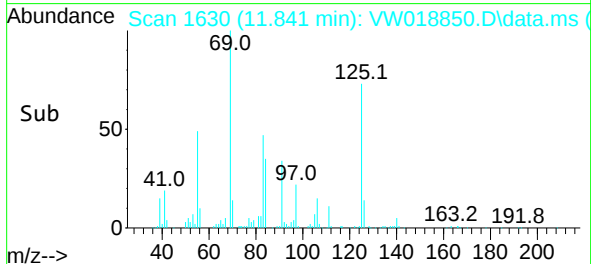
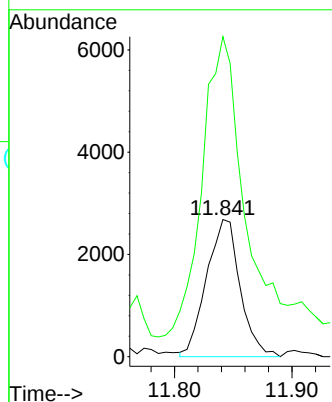
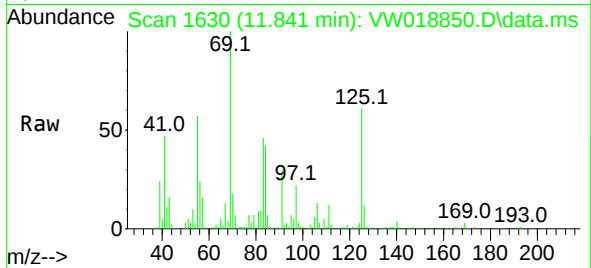




#53
m,p-Xylene
Concen: 0.41 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

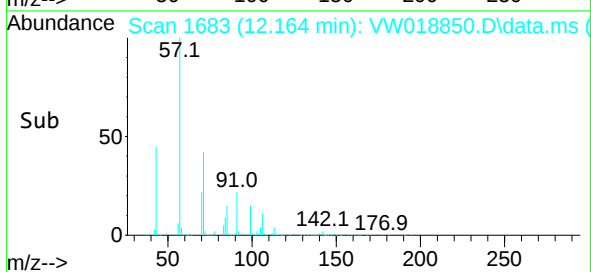
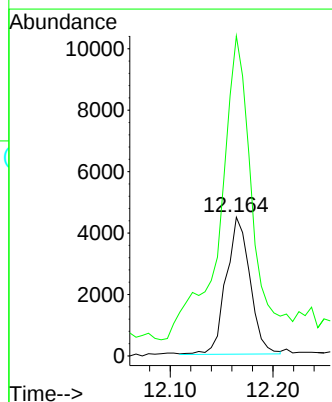
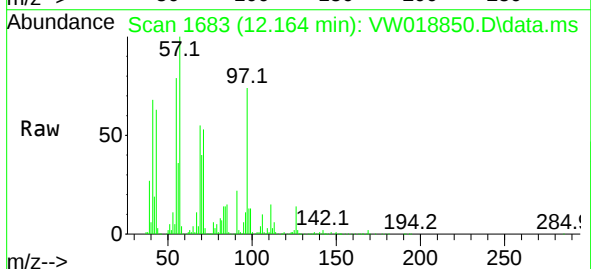
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ClientSampleId :

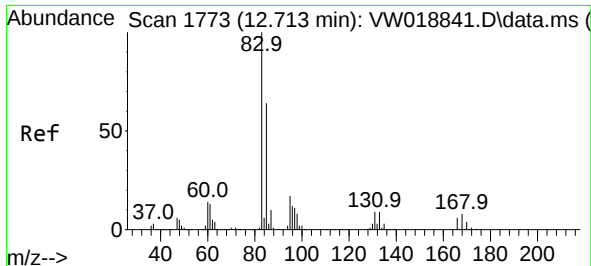
Tgt Ion:106 Resp: 5331
Ion Ratio Lower Upper
106 100
91 233.5 141.3 262.3



#54
o-Xylene
Concen: 0.58 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Tgt Ion:106 Resp: 7192
Ion Ratio Lower Upper
106 100
91 230.8 150.0 278.6

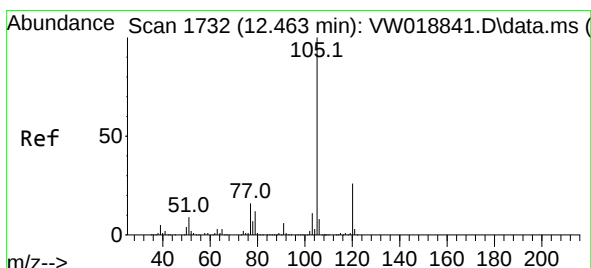
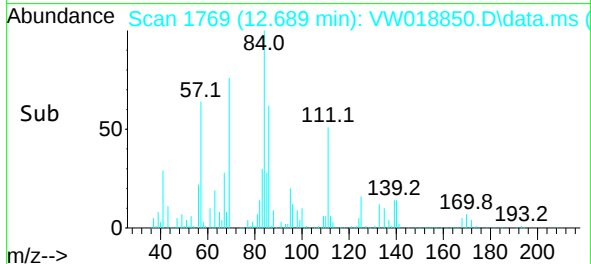
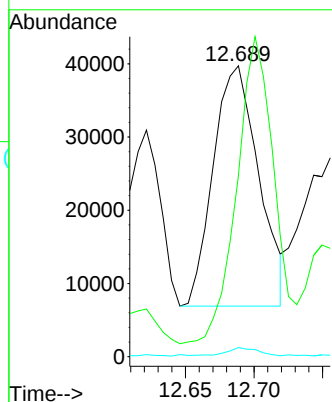
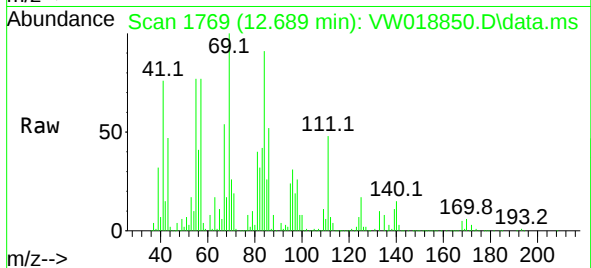




#57
1,1,2,2-Tetrachloroethane
Concen: 11.37 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

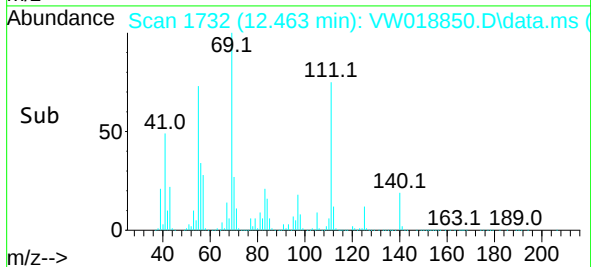
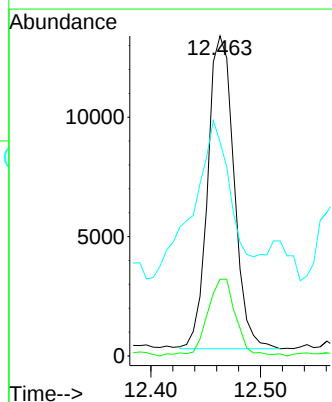
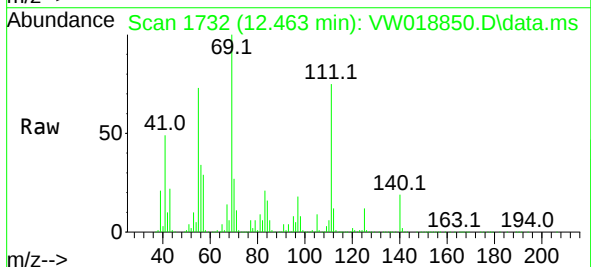
Instrument :
MSVOA_W
ClientSampleId :

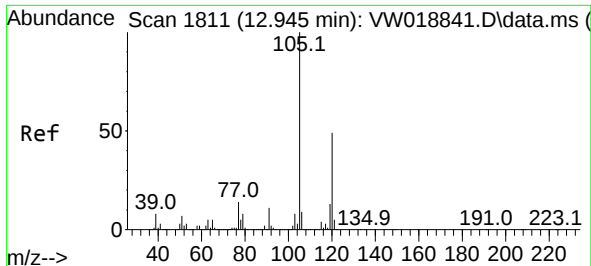
Tgt Ion: 83 Resp: 75598
Ion Ratio Lower Upper
83 100
85 62.3 44.4 82.4
131 3.1 8.2 12.4#



#60
Isopropylbenzene
Concen: 0.95 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Tgt Ion:105 Resp: 21810
Ion Ratio Lower Upper
105 100
120 24.6 21.1 31.7
77 76.6 13.2 19.8#

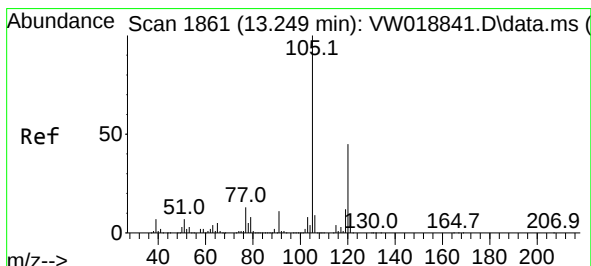
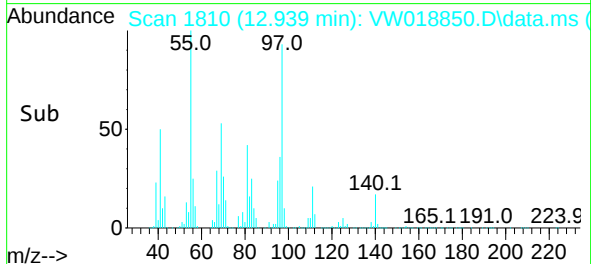
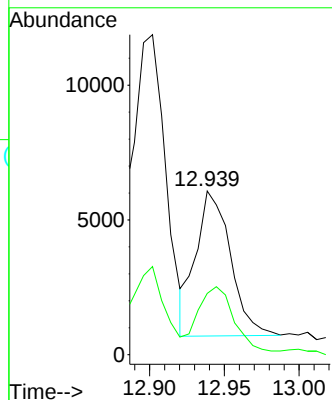
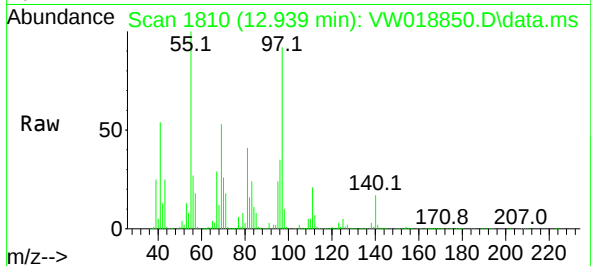




#62
1,3,5-Trimethylbenzene
Concen: 0.45 ug/L
RT: 12.939 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

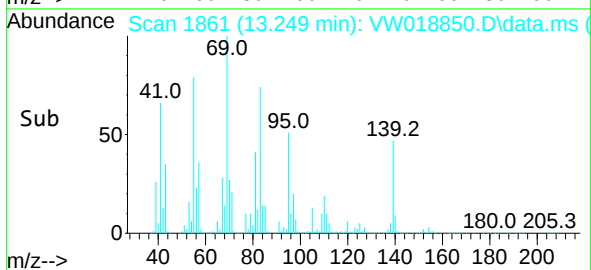
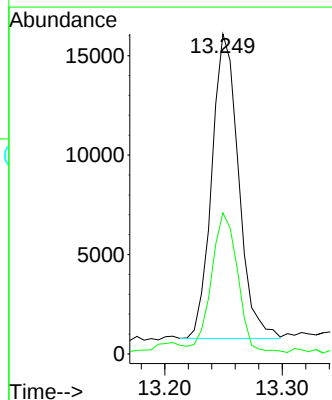
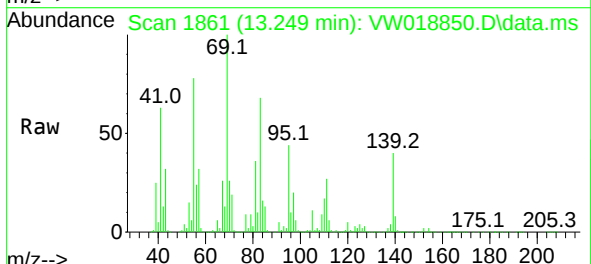
Instrument :
MSVOA_W
ClientSampled :

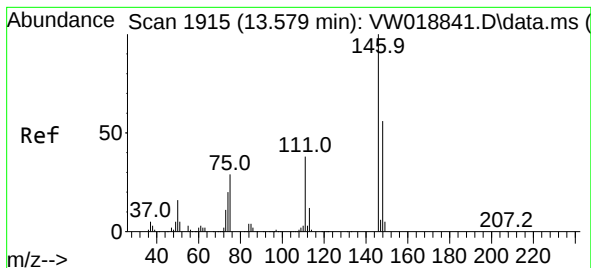
Tgt Ion:105 Resp: 8689
Ion Ratio Lower Upper
105 100
120 45.1 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 1.26 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

Tgt Ion:105 Resp: 24220
Ion Ratio Lower Upper
105 100
120 45.1 35.6 53.4

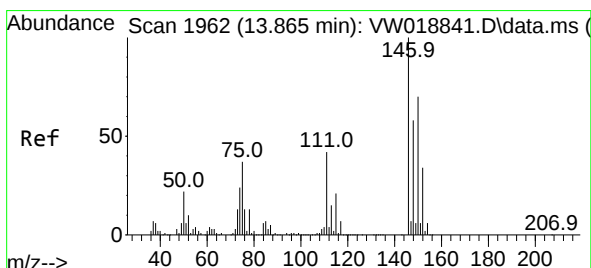
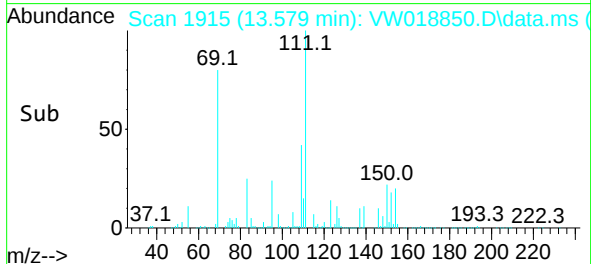
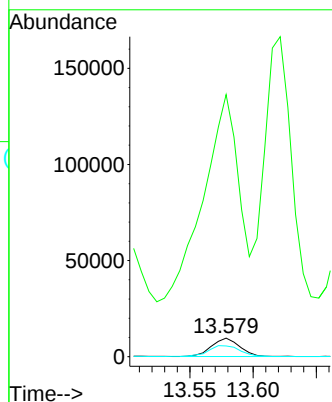
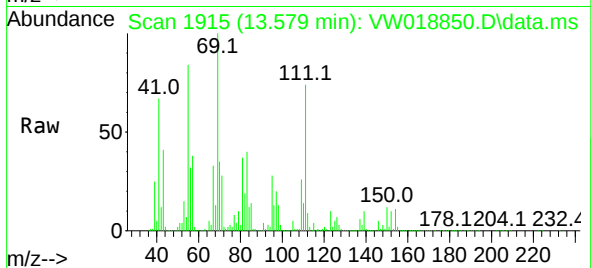




#65
1,4-Dichlorobenzene
Concen: 1.50 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

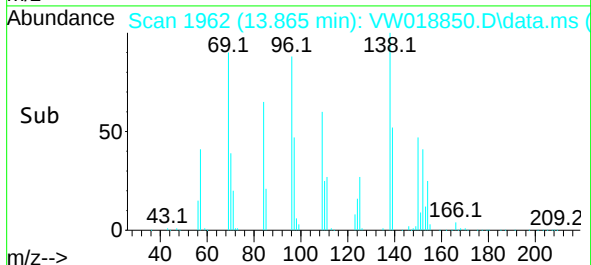
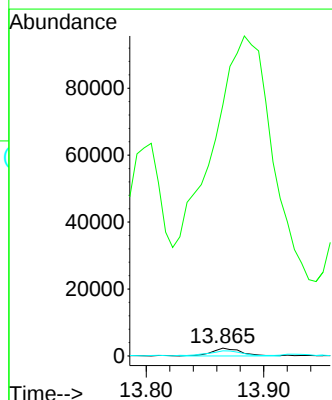
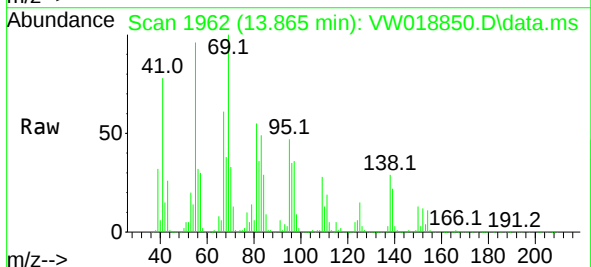
Instrument :
MSVOA_W
ClientSampled :

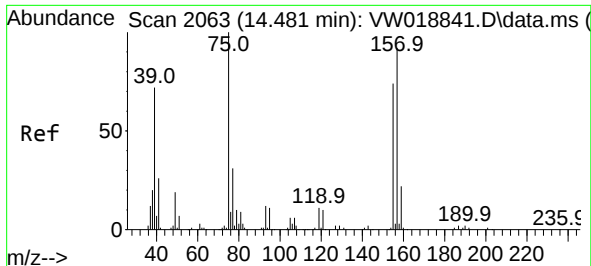
Tgt Ion:146 Resp: 14709
Ion Ratio Lower Upper
146 100
111 1408.7 28.8 53.4#
148 57.9 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 0.47 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

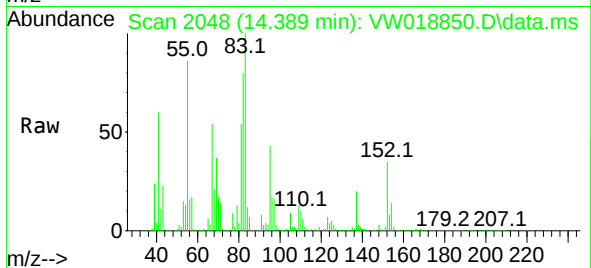
Tgt Ion:146 Resp: 4092
Ion Ratio Lower Upper
146 100
111 3192.9 33.2 49.8#
148 65.5 50.4 75.6



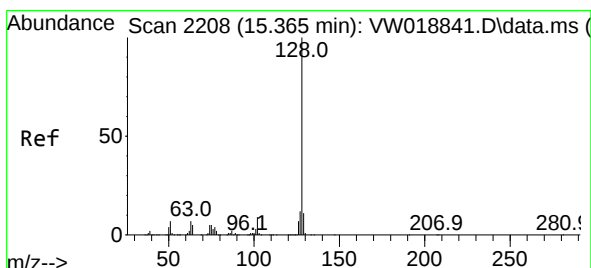
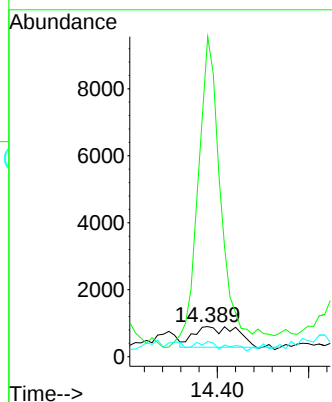
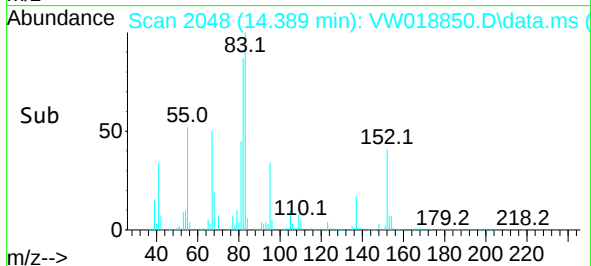


#68
1,2-Dibromo-3-chloropropane
Concen: 2.79 ug/L
RT: 14.389 min Scan# 2048
Delta R.T. -0.091 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06

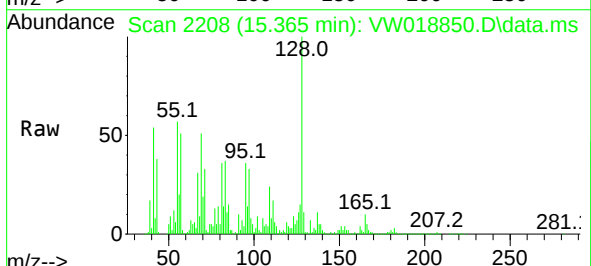
Instrument :
MSVOA_W
ClientSampled :



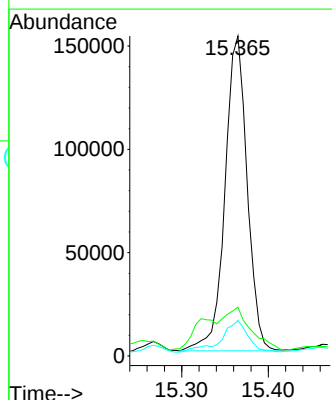
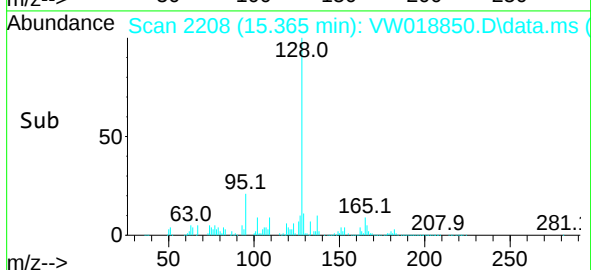
Tgt Ion: 75 Resp: 2027
Ion Ratio Lower Upper
75 100
155 1063.0 59.4 89.0#
157 50.3 72.2 108.2#

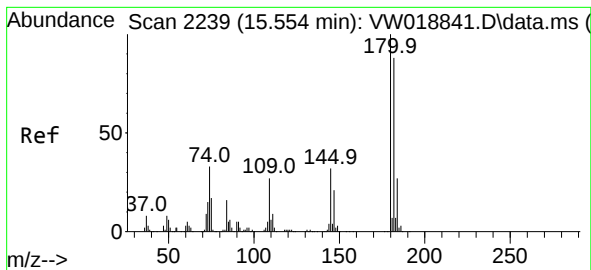


#71
Naphthalene
Concen: 22.13 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018850.D
Acq: 29 Apr 2021 17:06



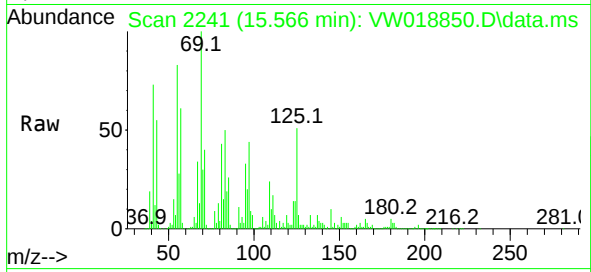
Tgt Ion: 128 Resp: 271478
Ion Ratio Lower Upper
128 100
127 16.5 10.6 15.8#
129 10.0 9.0 13.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1.65 ug/L
 RT: 15.566 min Scan# 2241
 Delta R.T. 0.012 min
 Lab File: VW018850.D
 Acq: 29 Apr 2021 17:06

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 8459
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.7 115.1
 145 453.0 28.9 43.3#

