

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017927.D
 Acq On : 18 Jan 2021 14:45
 Operator : SY/VA
 Sample : M1099-16RE
 Misc : 6.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C12

Quant Time: Jan 19 06:56:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 19 06:55:11 2021
 Response via : Initial Calibration

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

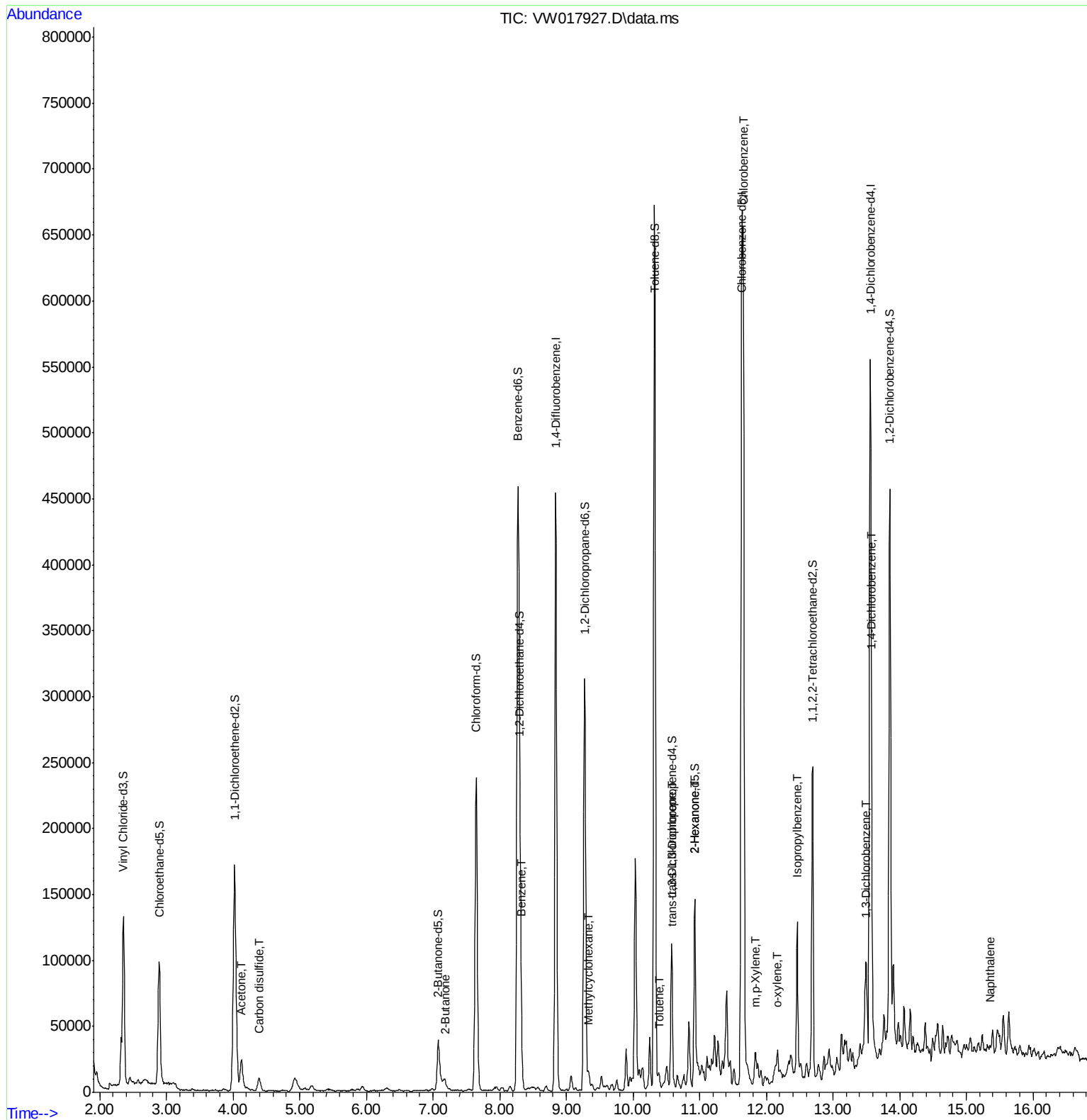
Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	375256	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	314277	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	123238	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	136468	23.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	92.68%		
7) Chloroethane-d5	2.891	69	110805	22.79	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.16%		
10) 1,1-Dichloroethene-d2	4.019	63	180265	16.94	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	67.76%		
20) 2-Butanone-d5	7.074	46	65504	45.99	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.98%		
24) Chloroform-d	7.647	84	237456	23.19	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	92.76%		
26) 1,2-Dichloroethane-d4	8.305	65	143224	24.73	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.92%		
29) Benzene-d6	8.275	84	459145	25.53	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	102.12%		
33) 1,2-Dichloropropane-d6	9.274	67	138012	26.96	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	107.84%		
37) Toluene-d8	10.323	98	421256	24.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	99.76%		
38) trans-1,3-Dichloroprop...	10.579	79	56674	24.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	96.96%		
39) 2-Hexanone-d5	10.926	63	48231	52.56	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	105.12%		
48) 1,1,2,2-Tetrachloroeth...	12.694	84	109533	24.06	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	96.24%		
61) 1,2-Dichlorobenzene-d4	13.853	152	102652	23.94	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.76%		
Target Compounds						Qvalue
13) Acetone	4.123	43	43139	43.00	ug/L	93
14) Carbon disulfide	4.391	76	21701	1.42	ug/L	95
21) 2-Butanone	7.177	43	11653	7.48	ug/L	82
34) Benzene	8.323	78	8327	0.45	ug/L	100
36) Methylcyclohexane	9.329	83	2934	0.33	ug/L #	53
44) Toluene	10.390	91	8587	0.42	ug/L	93
45) trans-1,3-Dichloropropene	10.585	75	3369	0.54	ug/L	99
49) 2-Hexanone	10.926	43	11622	5.63	ug/L #	44
52) Chlorobenzene	11.658	112	309686	23.39	ug/L	96
54) m,p-Xylene	11.835	106	6872	0.77	ug/L	89
55) o-xylene	12.164	106	2846	0.34	ug/L	94
57) Isopropylbenzene	12.463	105	70889	3.07	ug/L	99
63) 1,3-Dichlorobenzene	13.499	146	24088	3.12	ug/L	92
64) 1,4-Dichlorobenzene	13.578	146	82330	10.62	ug/L	99
69) Naphthalene	15.365	128	3116	0.32	ug/L #	81

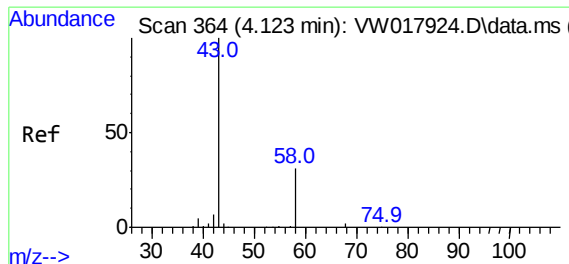
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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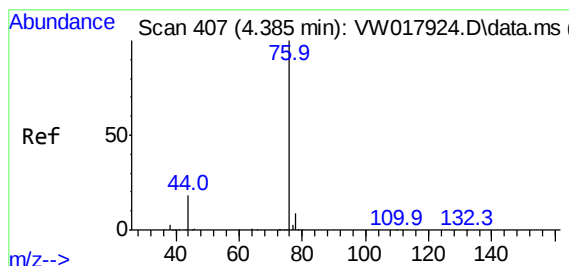
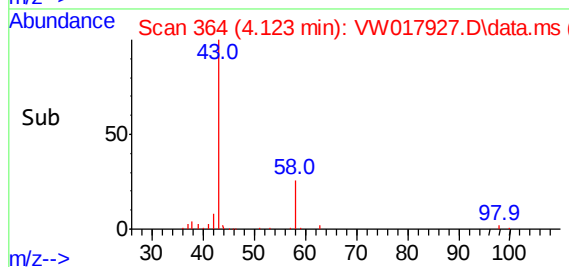
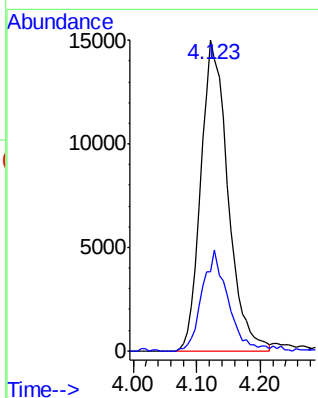
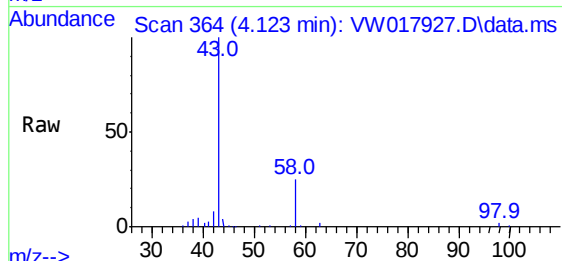




#13
Acetone
Concen: 43.00 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

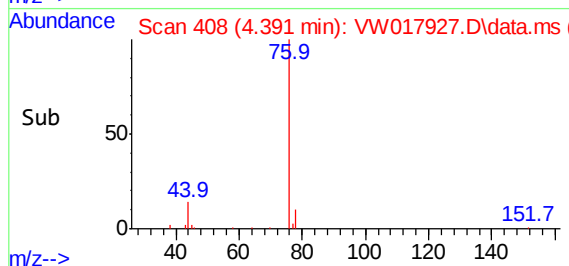
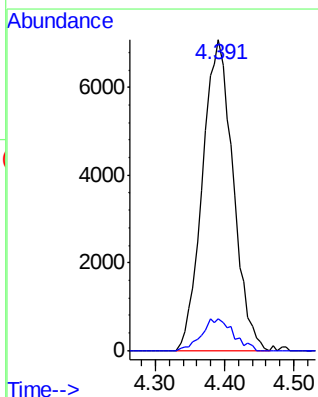
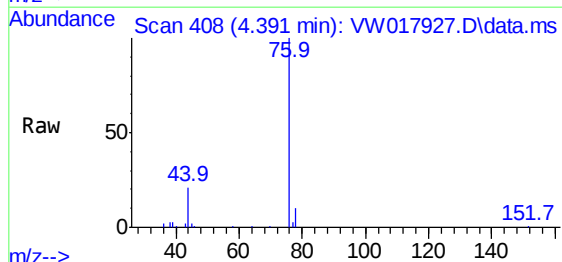
Instrument :
MSVOA_W
ClientSampled :
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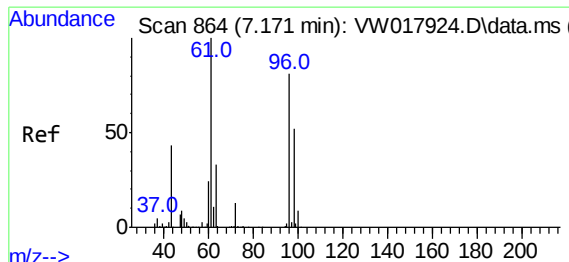
Tgt Ion: 43 Resp: 43139
Ion Ratio Lower Upper
43 100
58 30.3 0.0 68.4



#14
Carbon disulfide
Concen: 1.42 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Tgt Ion: 76 Resp: 21701
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.4

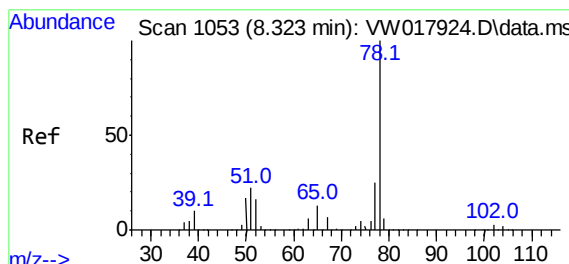
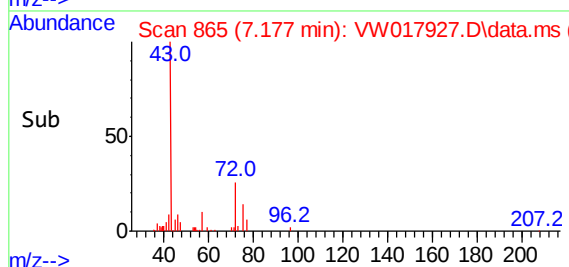
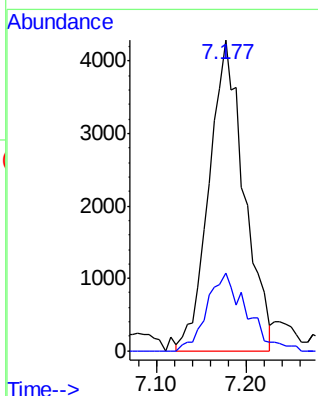
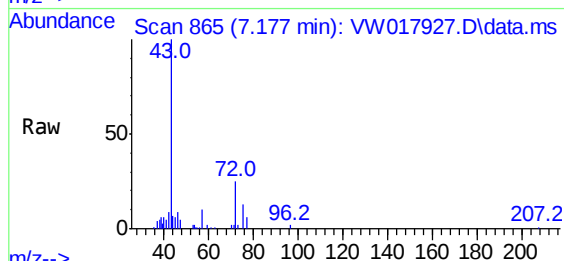




#21
2-Butanone
Concen: 7.48 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

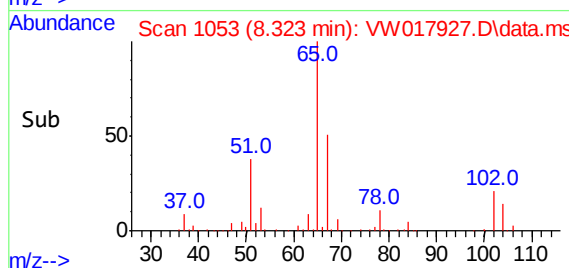
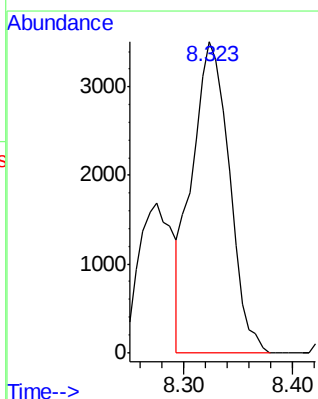
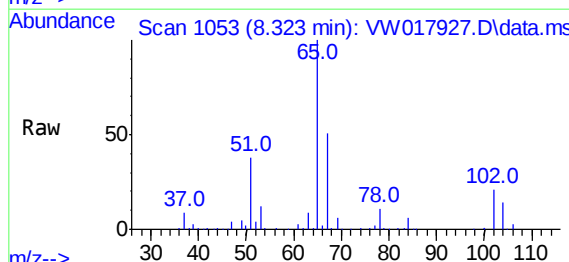
Instrument :
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ClientSampled :
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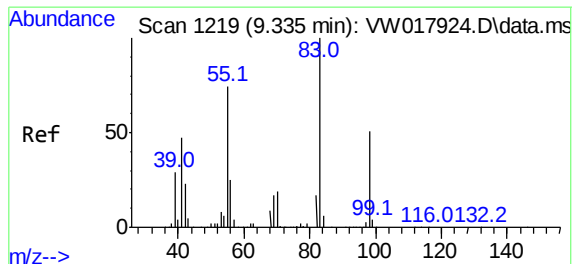
Tgt Ion: 43 Resp: 11653
Ion Ratio Lower Upper
43 100
72 19.4 14.4 43.2



#34
Benzene
Concen: 0.45 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Tgt Ion: 78 Resp: 8327

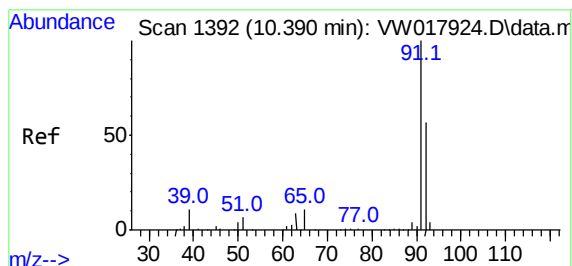
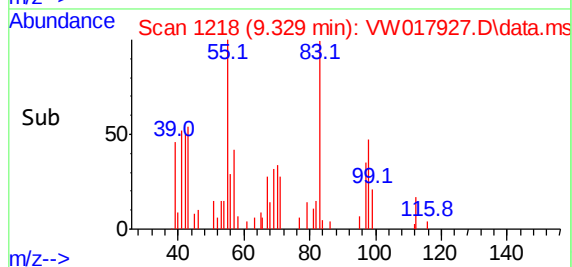
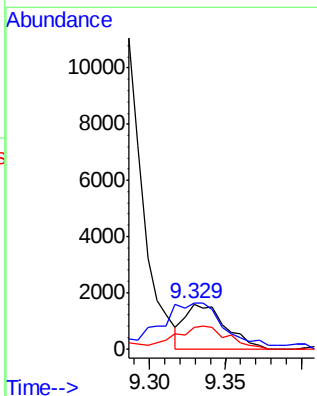
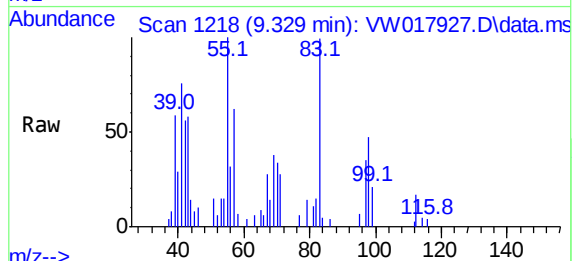




#36
Methylcyclohexane
Concen: 0.33 ug/L
RT: 9.329 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

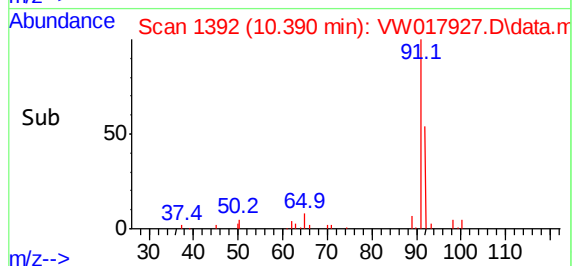
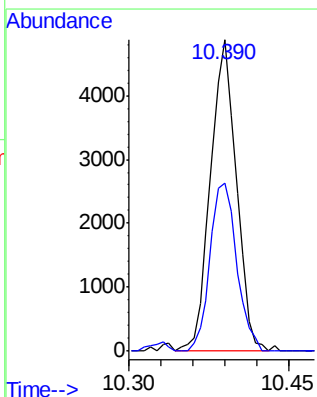
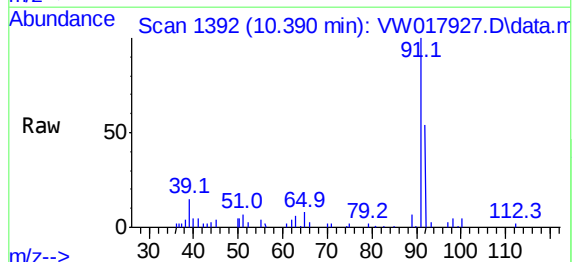
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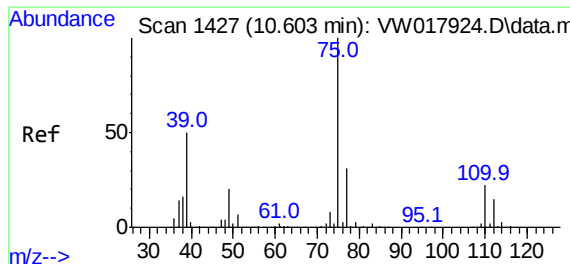
Tgt Ion: 83 Resp: 2934
Ion Ratio Lower Upper
83 100
55 17.9 59.4 89.0#
98 64.4 40.7 61.1#



#44
Toluene
Concen: 0.42 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Tgt Ion: 91 Resp: 8587
Ion Ratio Lower Upper
91 100
92 53.9 41.6 77.3

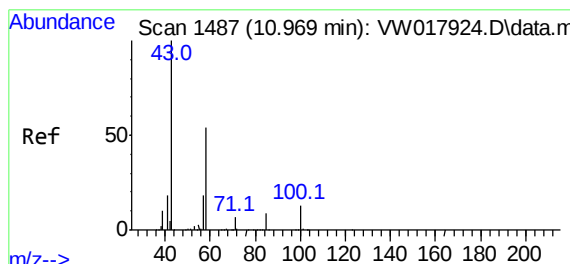
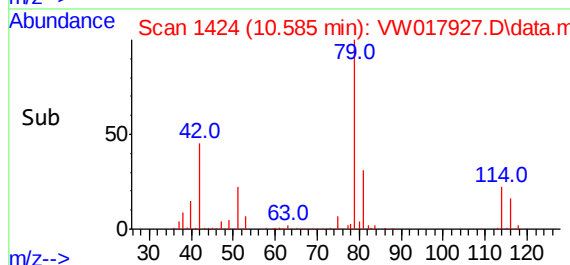
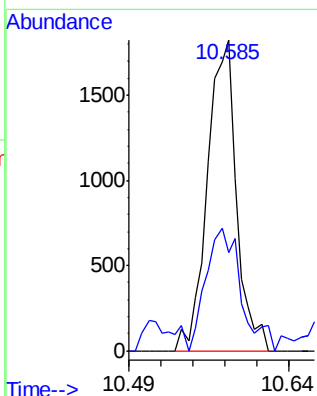
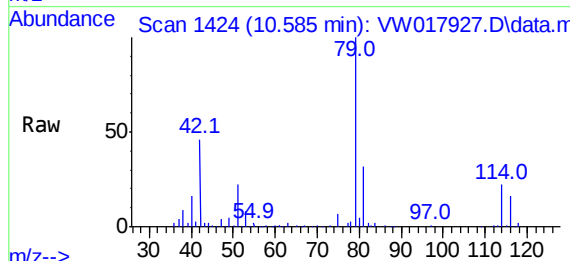




#45
trans-1,3-Dichloropropene
Concen: 0.54 ug/L
RT: 10.585 min Scan# 1424
Delta R.T. -0.018 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

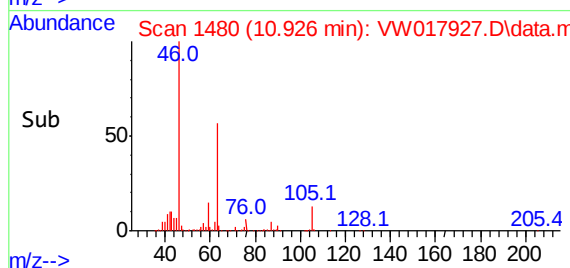
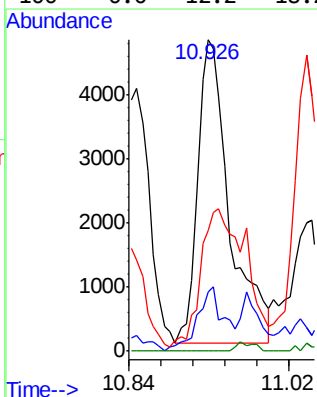
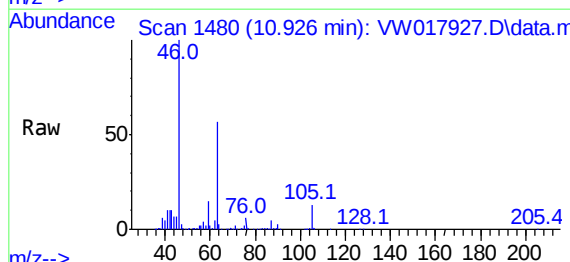
Instrument :
MSVOA_W
ClientSampled :
F1C12

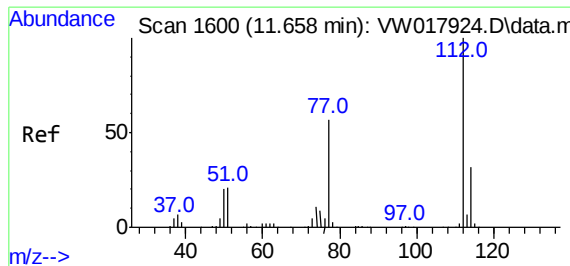
Tgt Ion: 75 Resp: 3369
Ion Ratio Lower Upper
75 100
77 31.7 22.6 42.0



#49
2-Hexanone
Concen: 5.63 ug/L
RT: 10.926 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Tgt Ion: 43 Resp: 11622
Ion Ratio Lower Upper
43 100
58 13.1 51.3 76.9#
57 1.2 15.0 22.6#
100 0.0 12.2 18.2#

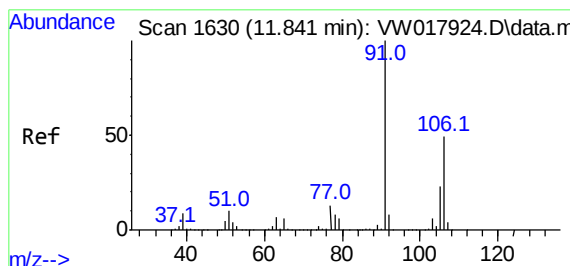
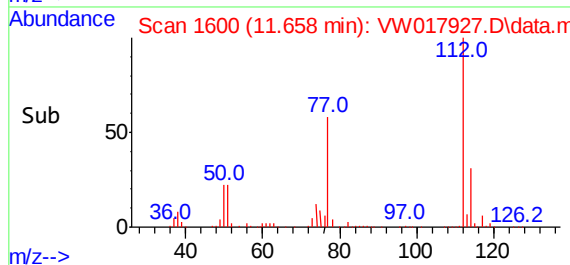
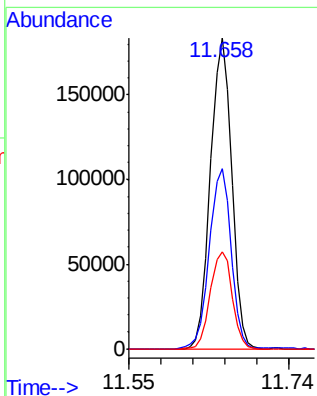
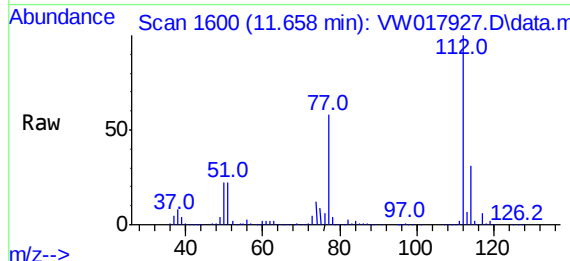




#52
Chlorobenzene
Concen: 23.39 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

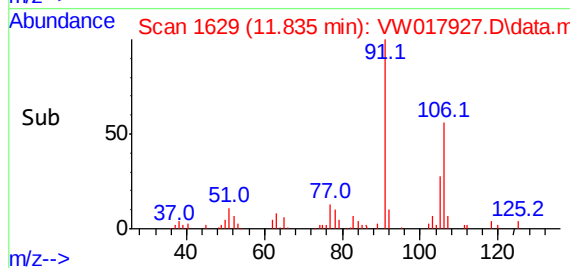
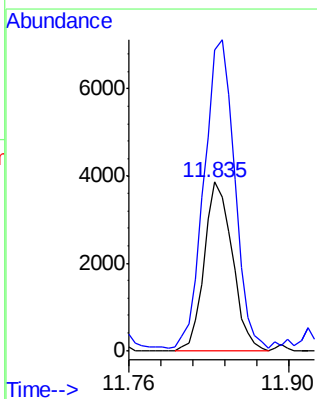
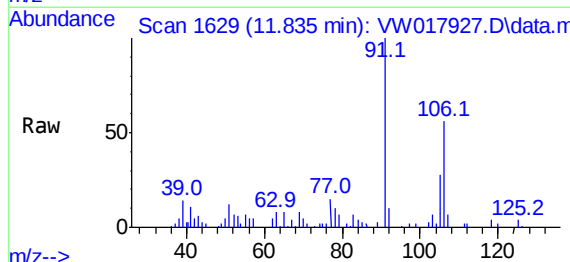
Instrument :
MSVOA_W
ClientSampled :
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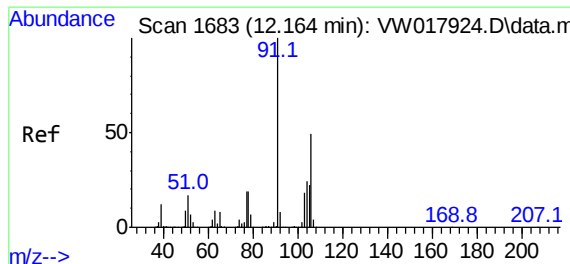
Tgt Ion:112 Resp: 309686
Ion Ratio Lower Upper
112 100
77 57.9 42.6 64.0
114 31.4 21.6 40.2



#54
m,p-Xylene
Concen: 0.77 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Tgt Ion:106 Resp: 6872
Ion Ratio Lower Upper
106 100
91 178.1 136.4 253.4

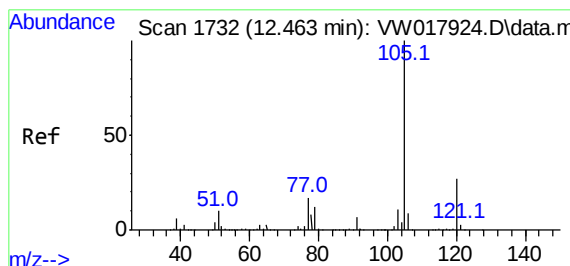
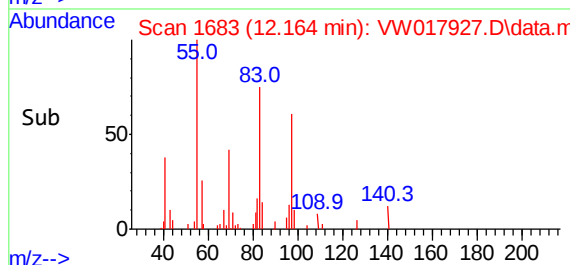
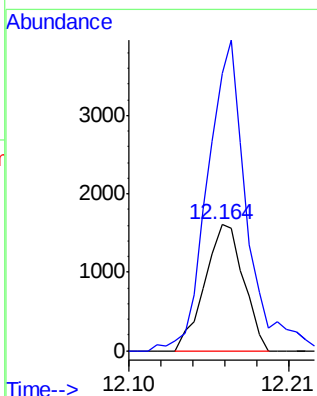
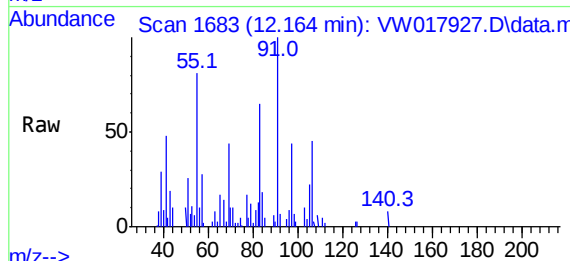




#55
o-xylene
Concen: 0.34 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

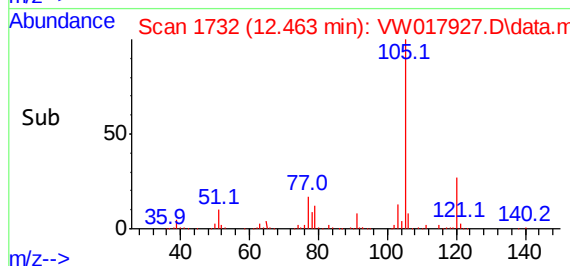
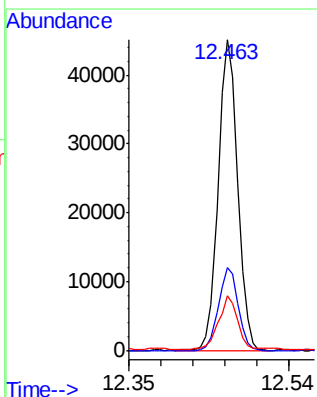
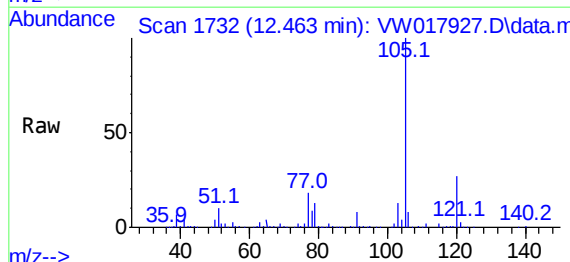
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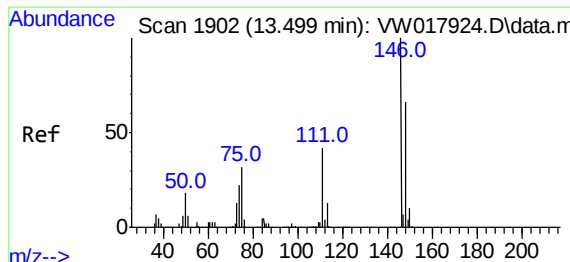
Tgt Ion:106 Resp: 2846
Ion Ratio Lower Upper
106 100
91 220.6 147.6 274.2



#57
Isopropylbenzene
Concen: 3.07 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Tgt Ion:105 Resp: 70889
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.2
77 16.6 12.1 18.1

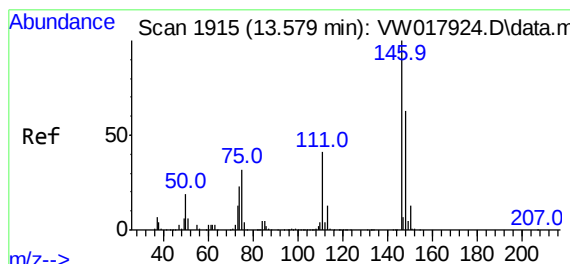
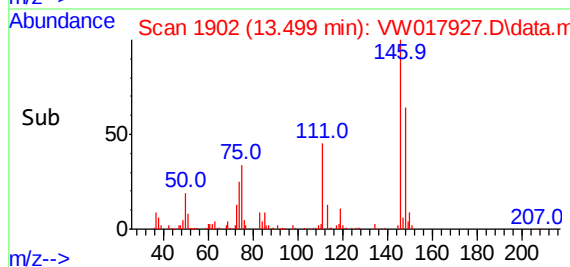
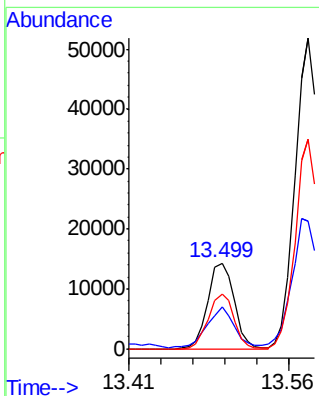
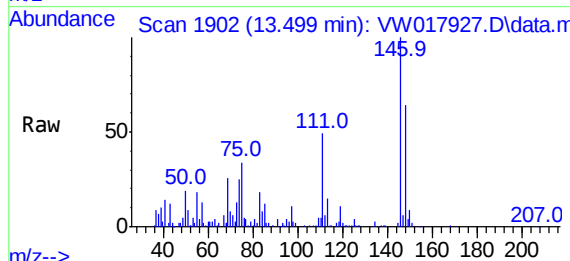




#63
1,3-Dichlorobenzene
Concen: 3.12 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

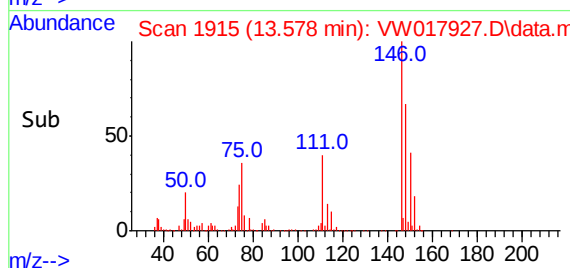
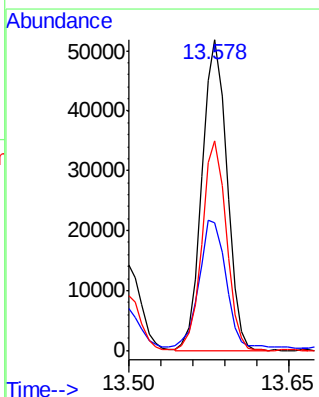
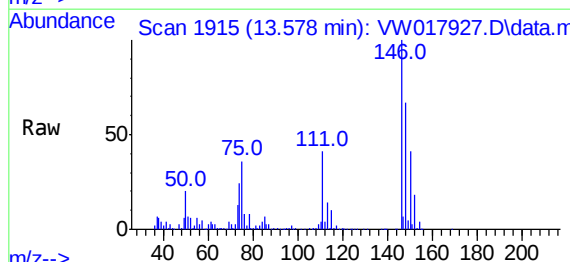
Instrument :
MSVOA_W
ClientSampleId :
F1C12

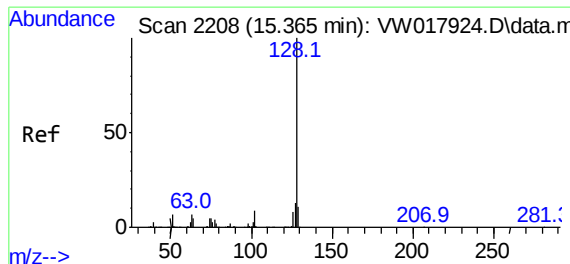
Tgt Ion:146 Resp: 24088
Ion Ratio Lower Upper
146 100
111 48.9 28.5 52.9
148 63.9 47.8 88.8



#64
1,4-Dichlorobenzene
Concen: 10.62 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Tgt Ion:146 Resp: 82330
Ion Ratio Lower Upper
146 100
111 41.2 27.7 51.5
148 67.4 47.0 87.2





#69
Naphthalene
Concen: 0.32 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017927.D
Acq: 18 Jan 2021 14:45

Instrument :
MSVOA_W
ClientSampleId :
F1C12

Tgt Ion:128 Resp: 3116
Ion Ratio Lower Upper
128 100
129 3.8 8.7 13.1#
127 5.4 10.7 16.1#

