

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032321\
 Data File : VW018424.D
 Acq On : 23 Mar 2021 14:17
 Operator : SY/VA
 Sample : M1784-01
 Misc : 4.94G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 BG4X4

Manual Integrations
 APPROVED

SAM
 3/26/2021 6:06:40 PM

Quant Time: Mar 24 01:24:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 24 01:23:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	531990	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	485677	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	214426	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	177706	24.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.00%		
7) Chloroethane-d5	2.892	69	158597	24.47	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.88%		
10) 1,1-Dichloroethene-d2	4.013	63	213234	16.68	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	66.72%		
20) 2-Butanone-d5	7.074	46	73077	44.34	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	88.68%		
24) Chloroform-d	7.647	84	292898	21.62	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	86.48%		
26) 1,2-Dichloroethane-d4	8.305	65	177743	22.47	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	89.88%		
29) Benzene-d6	8.269	84	569070	22.04	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	88.16%		
33) 1,2-Dichloropropane-d6	9.275	67	165126	22.17	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	88.68%		
37) Toluene-d8	10.323	98	526334	21.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	84.68%		
38) trans-1,3-Dichloroprop...	10.579	79	78410	20.41	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	81.64%		
39) 2-Hexanone-d5	10.921	63	60208	41.31	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	82.62%		
48) 1,1,2,2-Tetrachloroeth...	12.689	84	140213	21.05	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	84.20%		
61) 1,2-Dichlorobenzene-d4	13.853	152	162743	21.35	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	85.40%		
Target Compounds						
5) Vinyl chloride	2.367	62	3651	0.36	ug/L #	1
13) Acetone	4.129	43	3409m	2.88	ug/L	
16) Methylene chloride	4.909	84	13872m	1.59	ug/L	
22) cis-1,2-Dichloroethene	7.171	96	1594	0.21	ug/L	74
30) Cyclohexane	7.952	56	3061	0.27	ug/L #	54
36) Methylcyclohexane	9.329	83	3258	0.24	ug/L #	87
44) Toluene	10.384	91	7560	0.24	ug/L	88
53) Ethylbenzene	11.731	91	8236	0.23	ug/L	96
55) o-xylene	12.164	106	3027	0.23	ug/L	90
58) 1,1,2,2-Tetrachloroethane	12.713	83	2266	0.34	ug/L #	80
63) 1,3-Dichlorobenzene	13.493	146	4433	0.32	ug/L	94
64) 1,4-Dichlorobenzene	13.573	146	4860	0.35	ug/L	90
65) 1,2-Dichlorobenzene	13.865	146	4103	0.33	ug/L #	80
68) 1,2,4-trichlorobenzene	15.127	180	3802	0.45	ug/L	95
70) 1,2,3-Trichlorobenzene	15.548	180	3552	0.48	ug/L	99

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

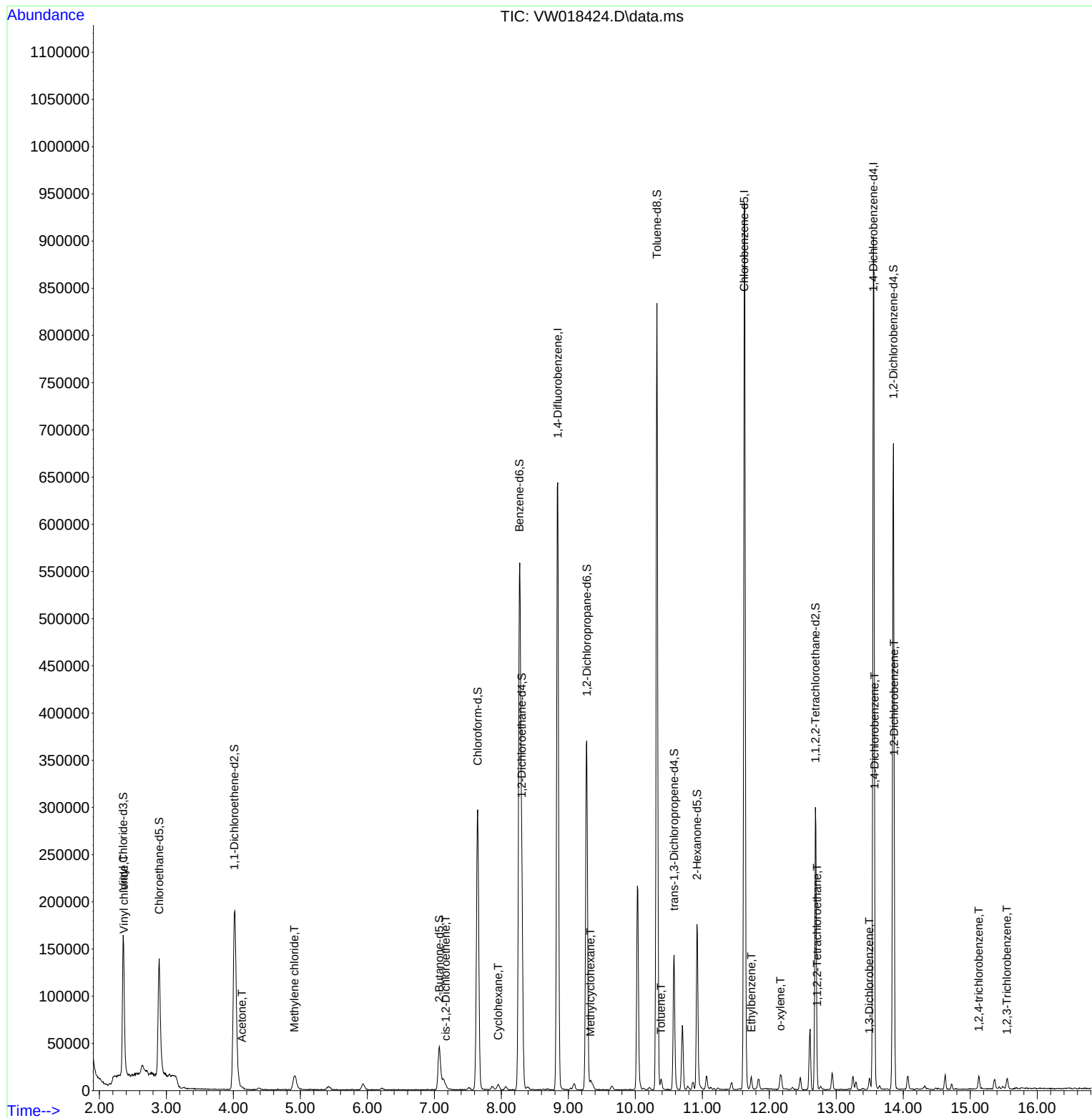
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032321\
Data File : VW018424.D
Acq On : 23 Mar 2021 14:17
Operator : SY/VA
Sample : M1784-01
Misc : 4.94G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

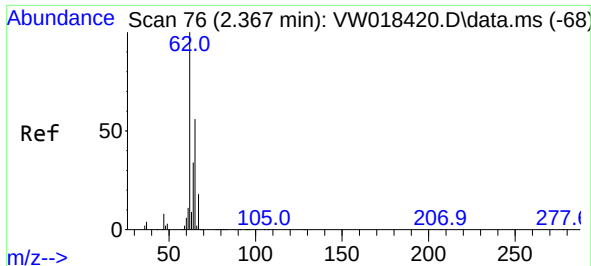
Instrument :
MSVOA_W
ClientSampleId :
BG4X4

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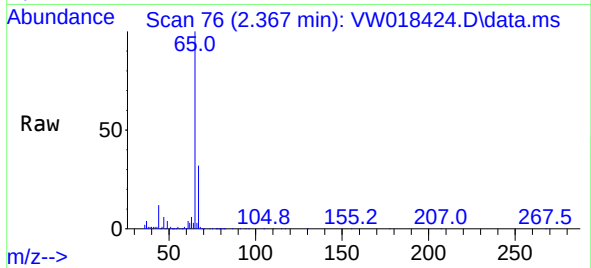
Quant Time: Mar 24 01:24:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 24 01:23:39 2021
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 0.36 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VW018424.D
 Acq: 23 Mar 2021 14:17

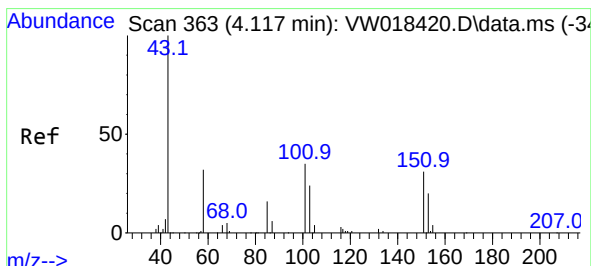
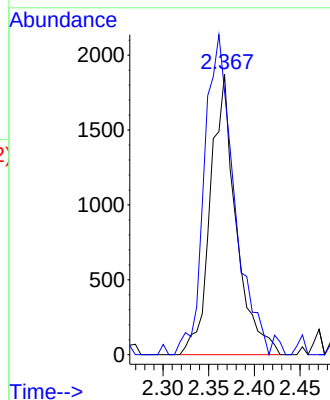
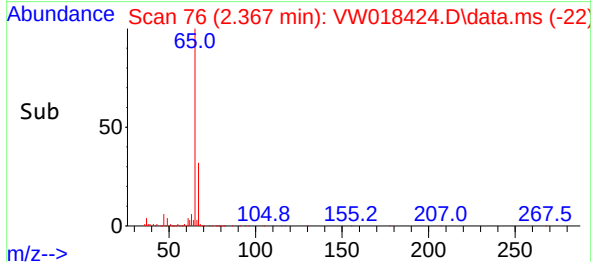
Instrument :
 MSVOA_W
 ClientSampleId :
 BG4X4



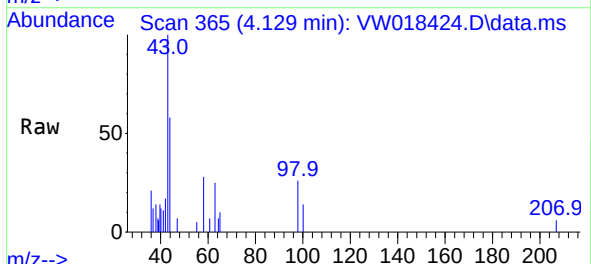
Tgt Ion: 62 Resp: 3651
 Ion Ratio Lower Upper
 62 100
 64 94.0 23.5 43.7#

Manual Integrations
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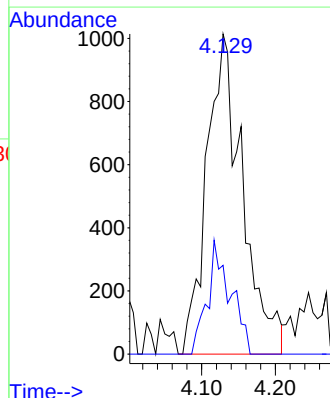
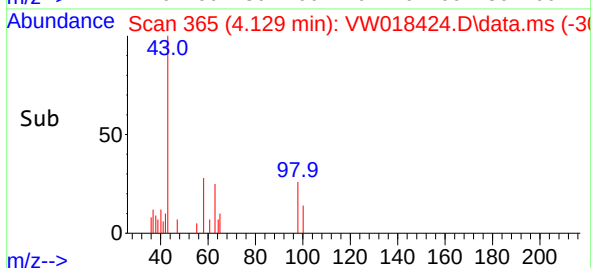
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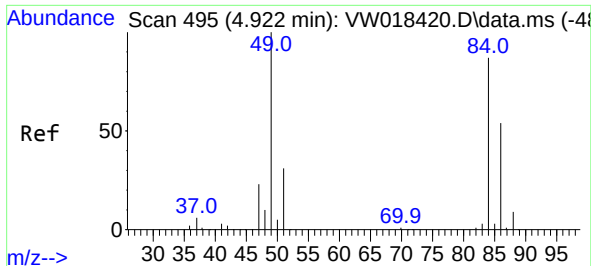


#13
 Acetone
 Concen: 2.88 ug/L m
 RT: 4.129 min Scan# 365
 Delta R.T. 0.012 min
 Lab File: VW018424.D
 Acq: 23 Mar 2021 14:17



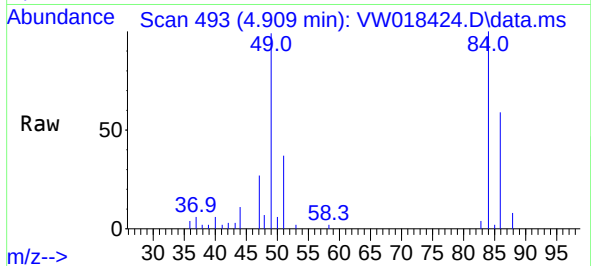
Tgt Ion: 43 Resp: 3409
 Ion Ratio Lower Upper
 43 100
 58 11.5 0.0 62.2





#16
Methylene chloride
Concen: 1.59 ug/L m
RT: 4.909 min Scan# 493
Delta R.T. -0.012 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

Instrument :
MSVOA_W
ClientSampled :
BG4X4

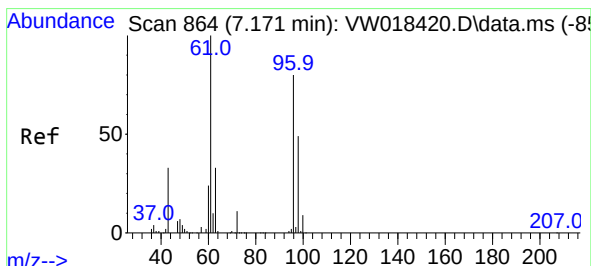
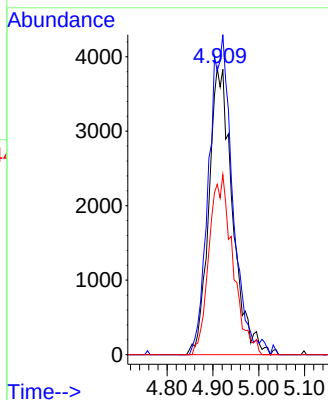
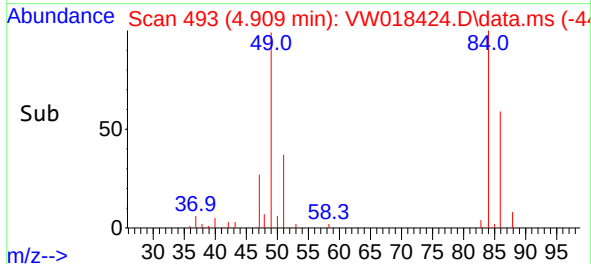


Tgt Ion: 84 Resp: 13872

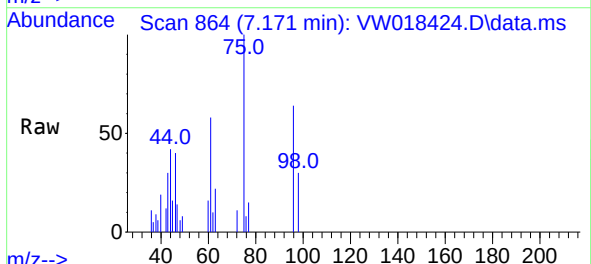
Ion	Ratio	Lower	Upper
84	100		
49	99.0	74.4	138.2
86	59.4	46.1	85.7

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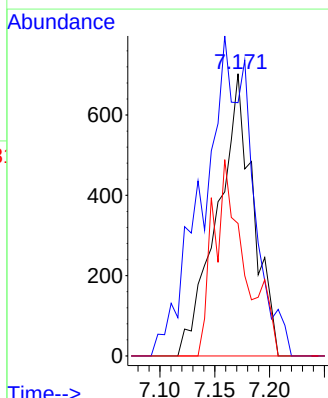
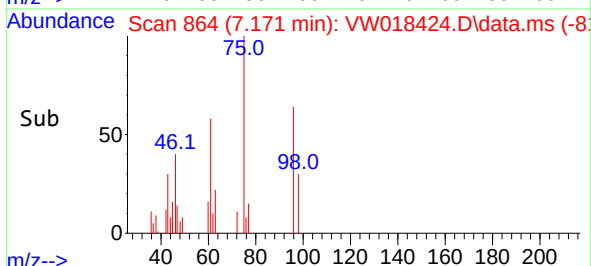


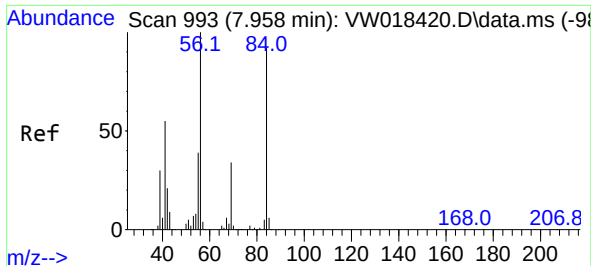
#22
cis-1,2-Dichloroethene
Concen: 0.21 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17



Tgt Ion: 96 Resp: 1594

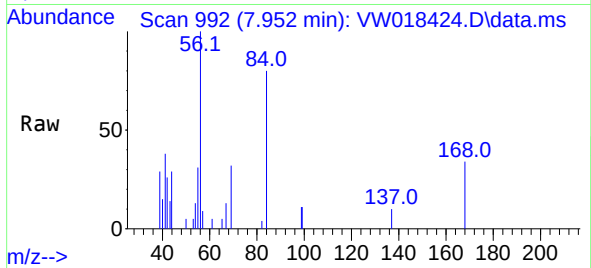
Ion	Ratio	Lower	Upper
96	100		
61	89.8	84.8	157.6
98	46.9	45.1	83.9





#30
Cyclohexane
Concen: 0.27 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

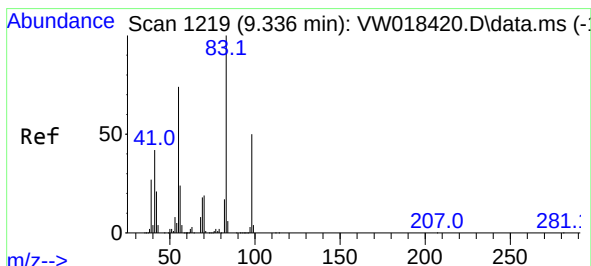
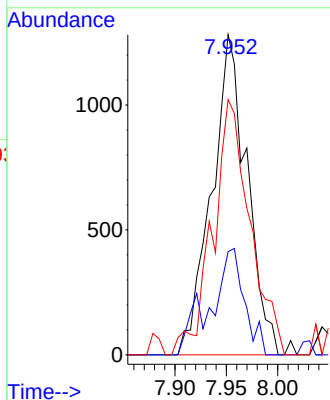
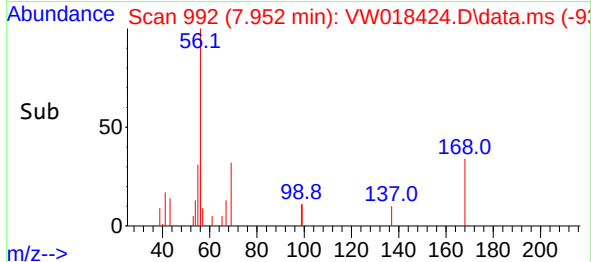
Instrument :
MSVOA_W
ClientSampled :
BG4X4



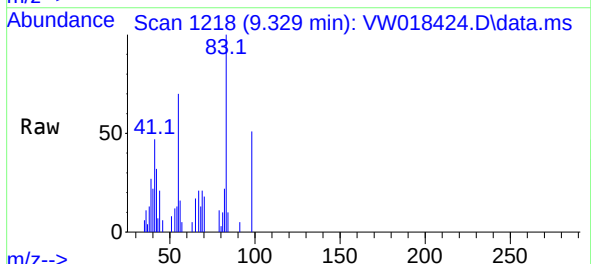
Tgt Ion: 56 Resp: 3061
Ion Ratio Lower Upper
56 100
69 25.3 27.0 40.6#
84 43.9 79.9 119.9#

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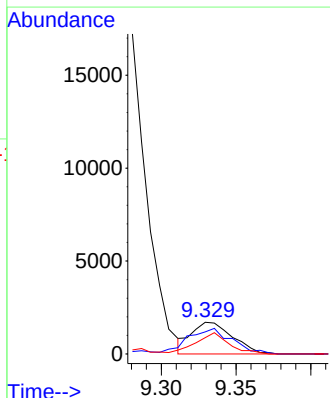
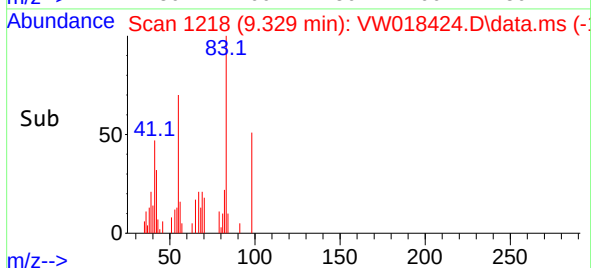
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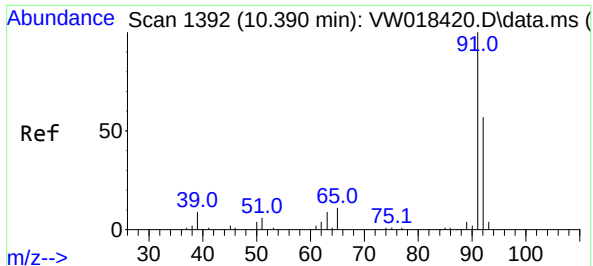


#36
Methylcyclohexane
Concen: 0.24 ug/L
RT: 9.329 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17



Tgt Ion: 83 Resp: 3258
Ion Ratio Lower Upper
83 100
55 86.9 56.8 85.2#
98 54.1 40.6 61.0





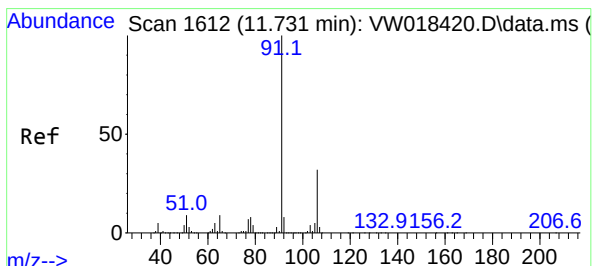
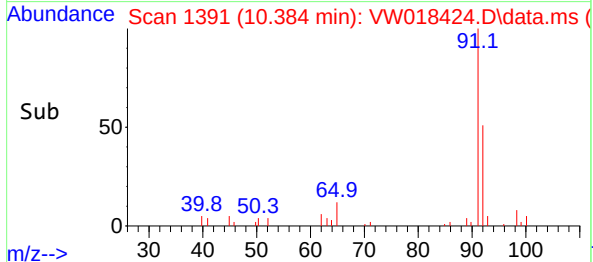
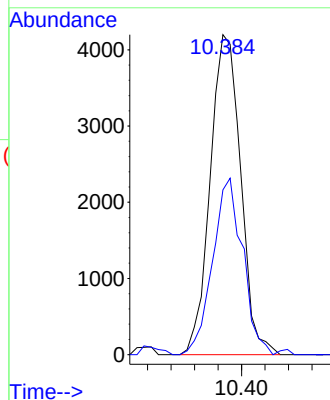
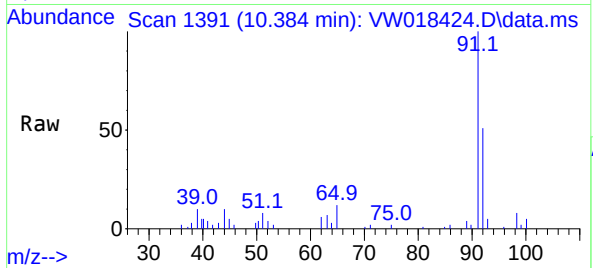
#44
Toluene
Concen: 0.24 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

Tgt Ion: 91 Resp: 7560
Ion Ratio Lower Upper
91 100
92 51.5 42.3 78.5

Instrument :
MSVOA_W
ClientSampleId :
BG4X4

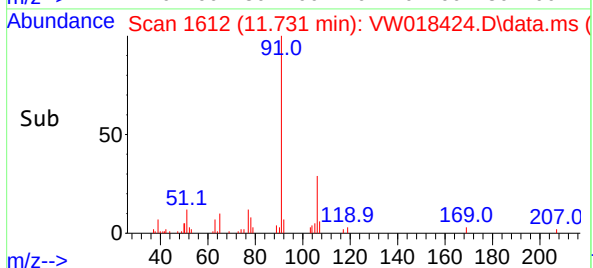
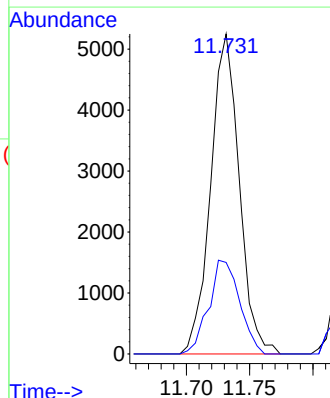
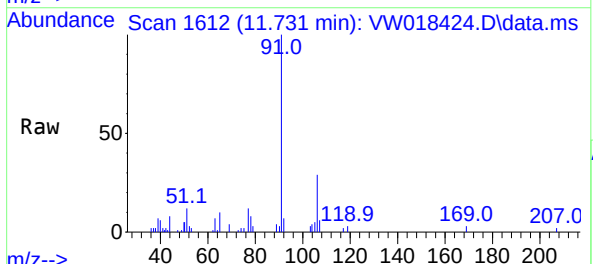
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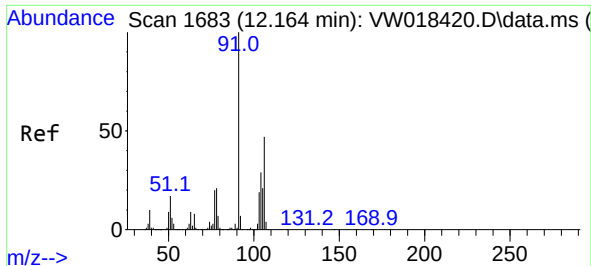
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#53
Ethylbenzene
Concen: 0.23 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

Tgt Ion: 91 Resp: 8236
Ion Ratio Lower Upper
91 100
106 28.6 21.7 40.3





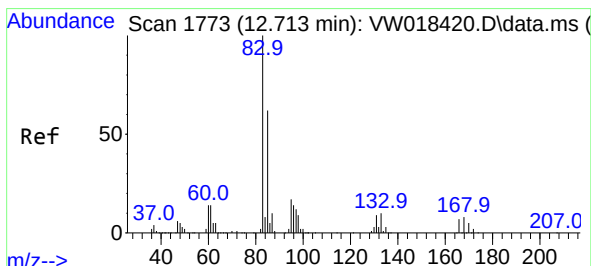
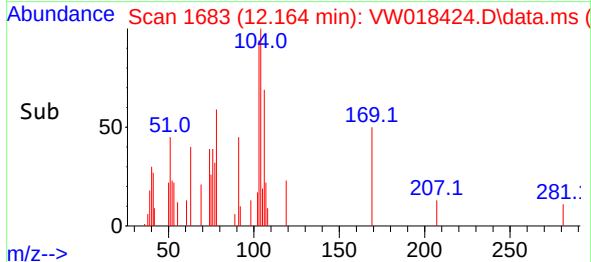
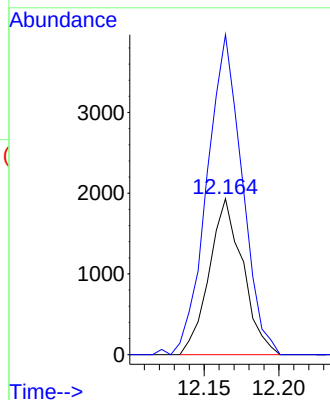
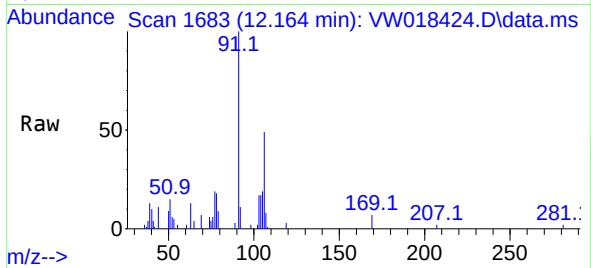
#55
o-xylene
Concen: 0.23 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

Tgt Ion: 106 Resp: 3027
Ion Ratio Lower Upper
106 100
91 205.1 154.3 286.5

Instrument :
MSVOA_W
ClientSampled :
BG4X4

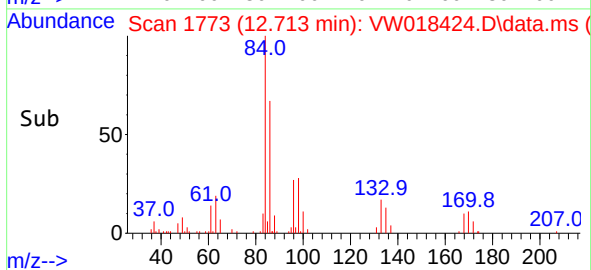
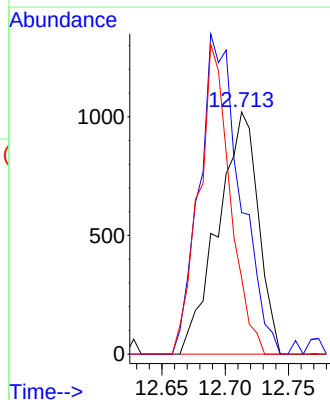
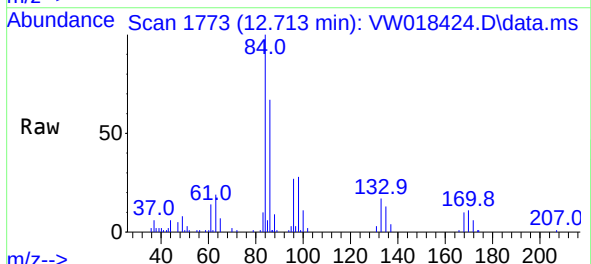
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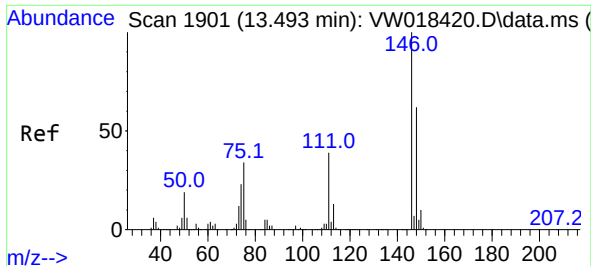
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#58
1,1,2,2-Tetrachloroethane
Concen: 0.34 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

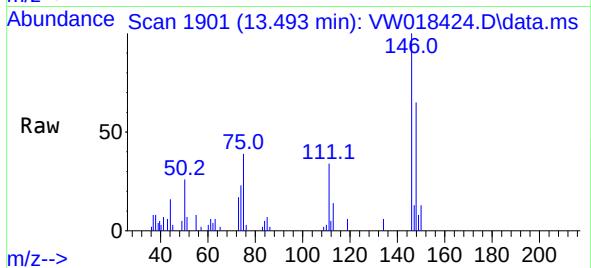
Tgt Ion: 83 Resp: 2266
Ion Ratio Lower Upper
83 100
85 58.4 49.0 91.0
131 31.5 8.7 13.1#





#63
1,3-Dichlorobenzene
Concen: 0.32 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

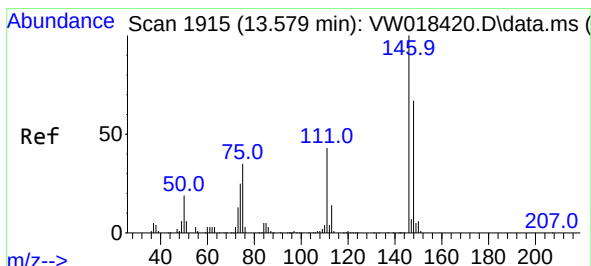
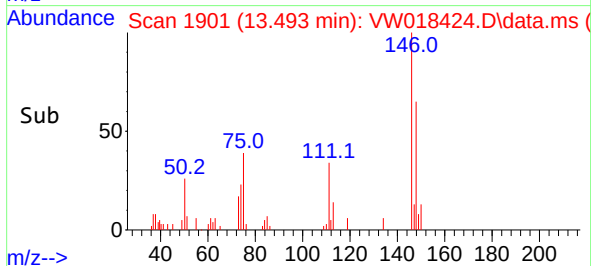
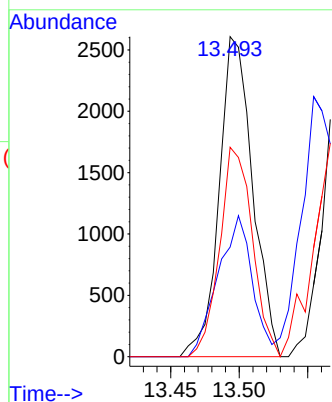
Instrument :
MSVOA_W
ClientSampled :
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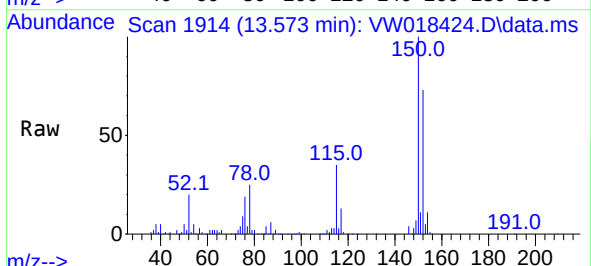
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Ion Ratio Lower Upper
146 100
111 34.2 27.5 51.1
148 65.5 43.0 80.0

Manual Integrations
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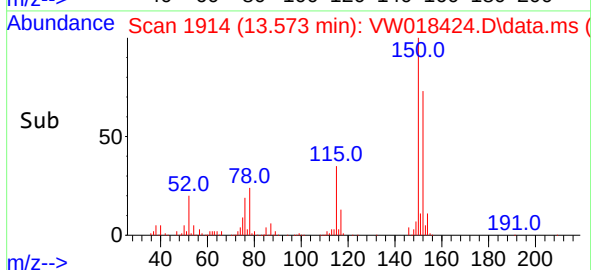
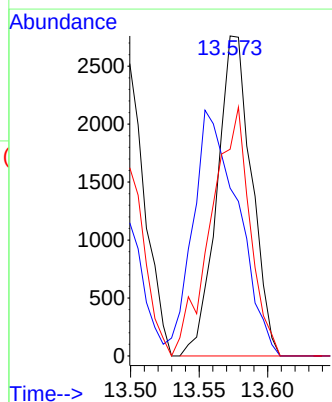
SAM
3/26/2021 6:06:40 PM

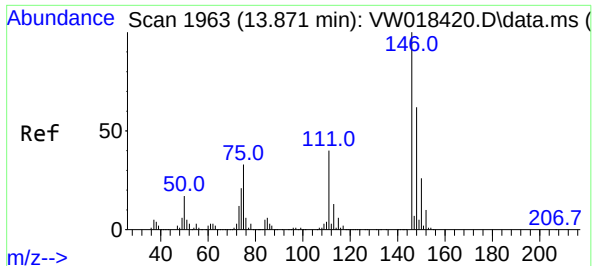


#64
1,4-Dichlorobenzene
Concen: 0.35 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17



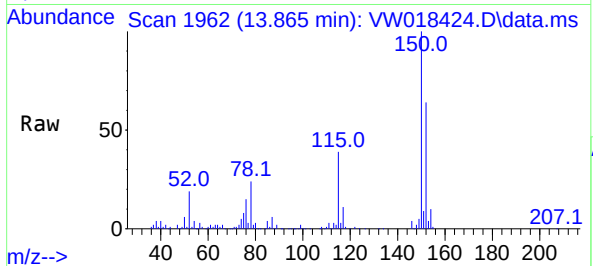
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Ion Ratio Lower Upper
146 100
111 52.4 28.3 52.5
148 64.6 47.3 87.9





#65
1,2-Dichlorobenzene
Concen: 0.33 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

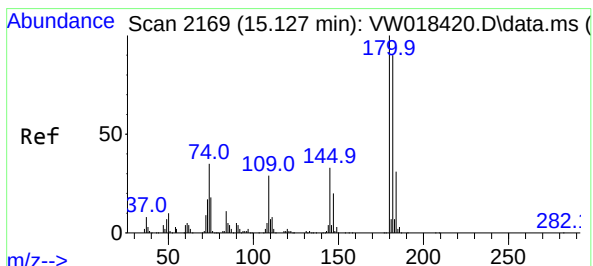
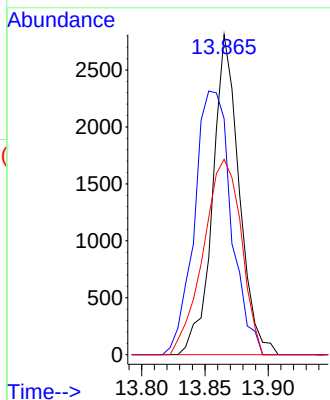
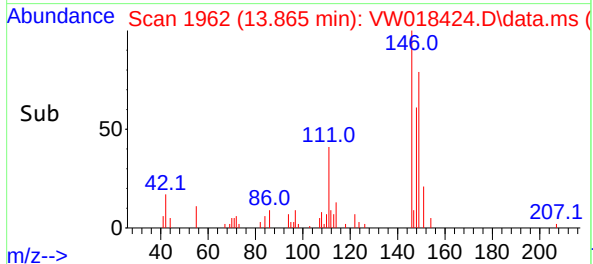
Instrument :
MSVOA_W
ClientSampled :
BG4X4



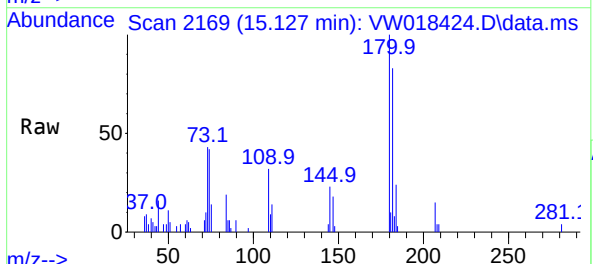
Tgt Ion:146 Resp: 4103
Ion Ratio Lower Upper
146 100
111 73.7 36.0 54.0#
148 61.0 50.2 75.4

Manual Integrations
APPROVED

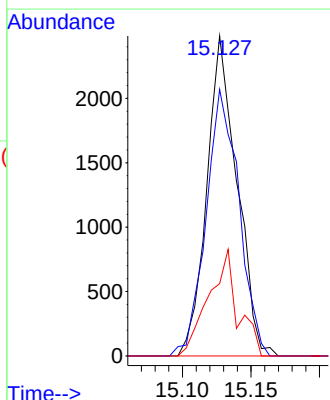
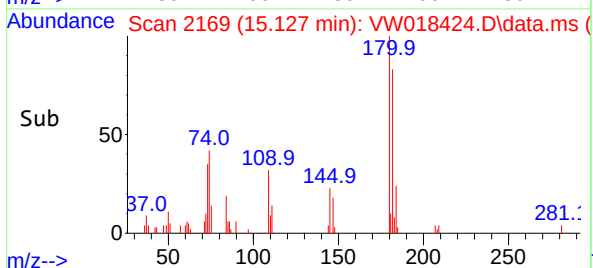
SAM
3/26/2021 6:06:40 PM

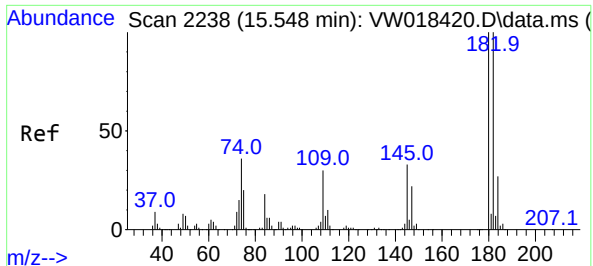


#68
1,2,4-trichlorobenzene
Concen: 0.45 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17



Tgt Ion:180 Resp: 3802
Ion Ratio Lower Upper
180 100
182 90.8 70.2 105.4
145 26.6 24.9 37.3





#70
1,2,3-Trichlorobenzene
Concen: 0.48 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW018424.D
Acq: 23 Mar 2021 14:17

Tgt Ion:	180	Resp:	3552
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.5	114.7
145	35.6	27.7	41.5

Instrument :
MSVOA_W
ClientSampleId :
BG4X4

Manual Integrations
APPROVED

SAM
3/26/2021 6:06:40 PM

