

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
 Data File : VW018395.D
 Acq On : 19 Mar 2021 17:41
 Operator : SY/VA
 Sample : M1698-08
 Misc : 4.753G/10ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4H2

Quant Time: Mar 20 01:43:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 20 01:36:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	216608	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	150241	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	40097	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	89393	29.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.64%
7) Chloroethane-d5	2.891	69	83441	31.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	126.48%
10) 1,1-Dichloroethene-d2	4.025	63	95341	18.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.28%
20) 2-Butanone-d5	7.079	46	87804	130.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	261.68%#
24) Chloroform-d	7.646	84	144503	26.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.76%
26) 1,2-Dichloroethane-d4	8.305	65	99629	30.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.72%
29) Benzene-d6	8.274	84	280248	35.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	140.36%#
33) 1,2-Dichloropropane-d6	9.274	67	85193	36.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	147.92%#
37) Toluene-d8	10.323	98	223187	29.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.08%
38) trans-1,3-Dichloroprop...	10.579	79	27077	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.16%
39) 2-Hexanone-d5	10.920	63	62525	138.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	277.36%#
48) 1,1,2,2-Tetrachloroeth...	12.688	84	83929	40.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	162.88%#
61) 1,2-Dichlorobenzene-d4	13.853	152	35190	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

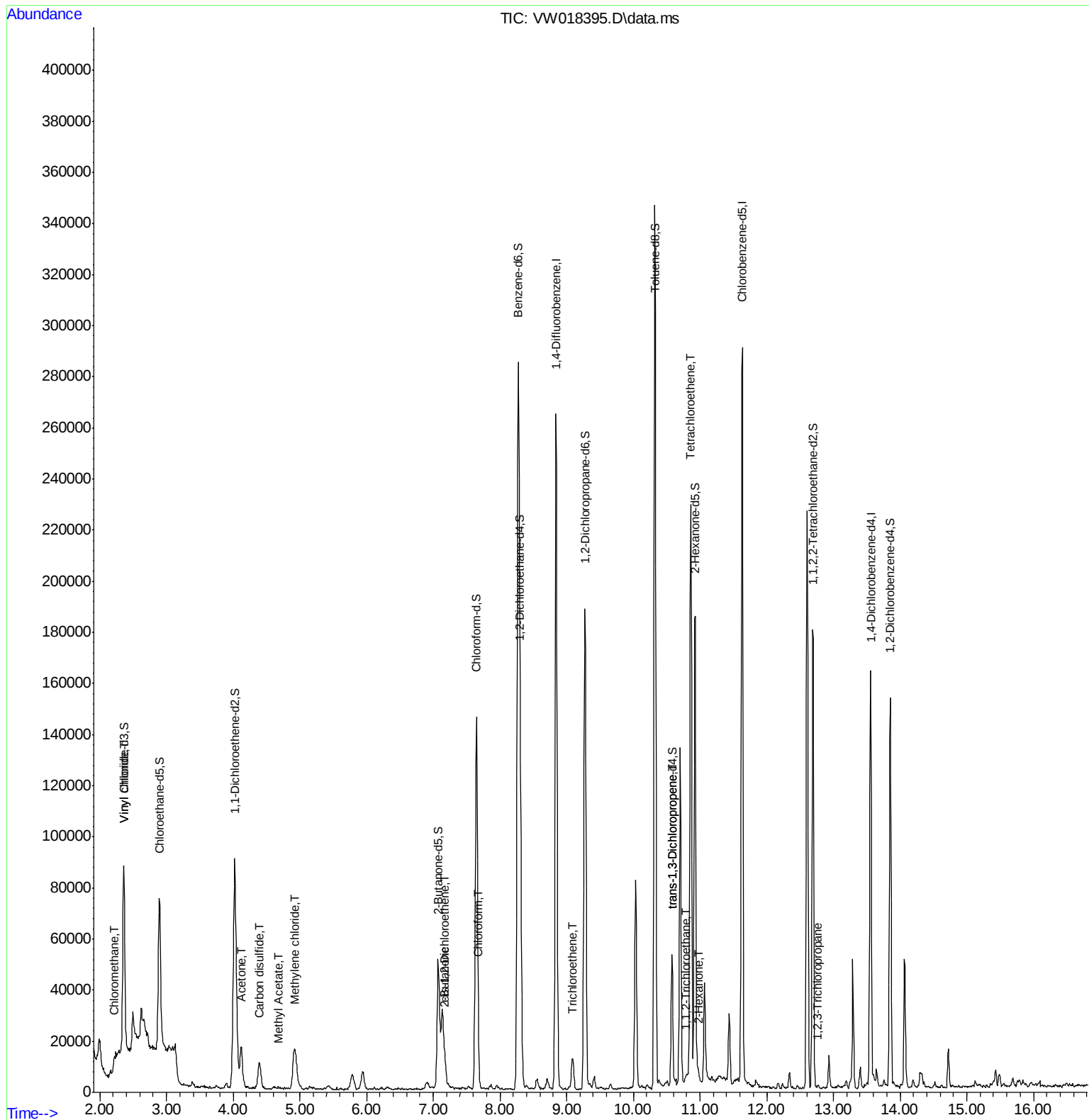
Target Compounds					Qvalue
3) Chloromethane	2.215	50	930	0.30 ug/L	98
5) Vinyl chloride	2.361	62	1308	0.32 ug/L #	1
13) Acetone	4.117	43	27393	56.82 ug/L	95
14) Carbon disulfide	4.391	76	23575	2.88 ug/L	98
15) Methyl Acetate	4.684	43	782	0.71 ug/L #	74
16) Methylene chloride	4.921	84	8436	2.37 ug/L	88
21) 2-Butanone	7.171	43	7614	9.94 ug/L	73
22) cis-1,2-Dichloroethene	7.165	96	2041	0.65 ug/L #	79
25) Chloroform	7.677	83	1536	0.28 ug/L #	18
35) Trichloroethene	9.091	95	4037	1.68 ug/L	95
45) trans-1,3-Dichloropropene	10.579	75	1745	0.54 ug/L #	33
46) 1,1,2-Trichloroethane	10.792	97	483	0.28 ug/L #	46
47) Tetrachloroethene	10.859	164	50213	27.51 ug/L	90
49) 2-Hexanone	10.975	43	802	0.89 ug/L #	77
59) 1,2,3-Trichloropropane	12.761	75	312	0.20 ug/L #	87

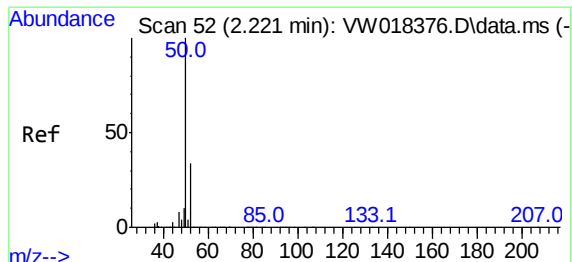
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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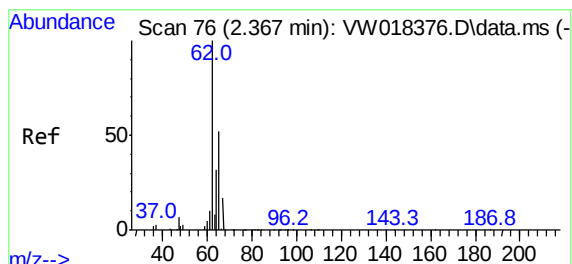
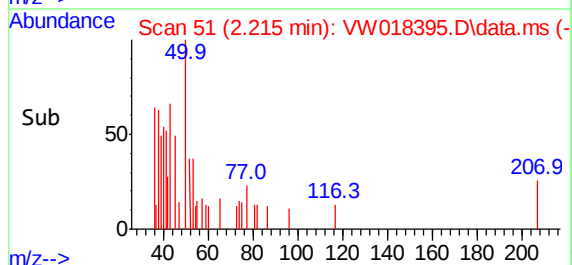
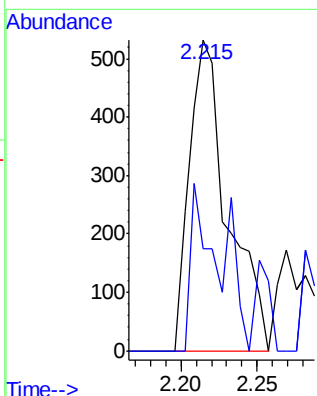
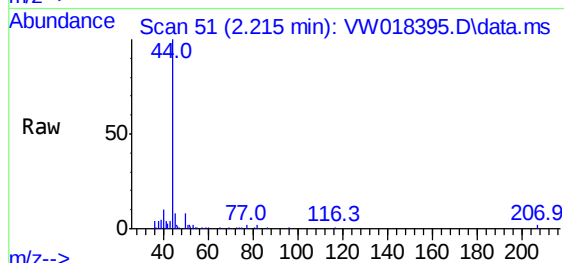




#3
Chloromethane
Concen: 0.30 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

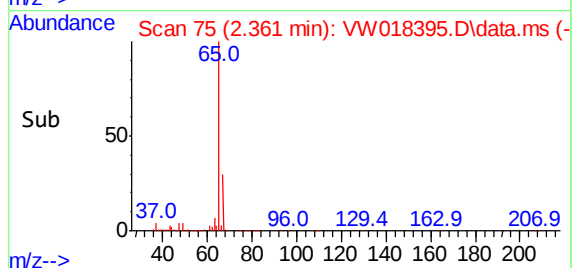
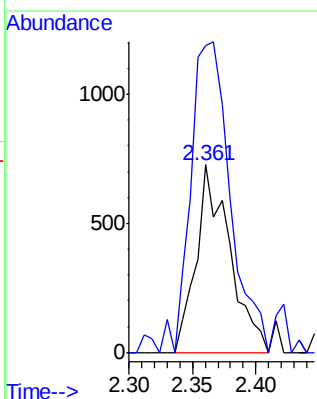
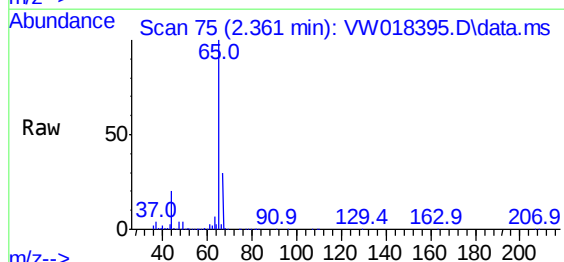
Instrument :
MSVOA_W
ClientSampled :
BG4H2

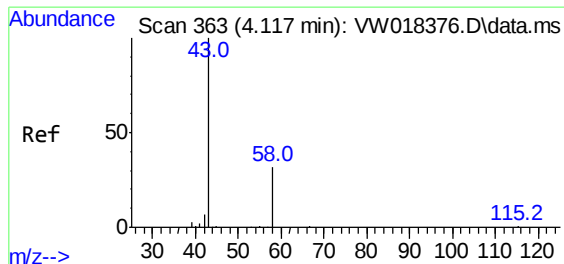
Tgt Ion: 50 Resp: 930
Ion Ratio Lower Upper
50 100
52 32.7 23.7 43.9



#5
Vinyl chloride
Concen: 0.32 ug/L
RT: 2.361 min Scan# 75
Delta R.T. -0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Tgt Ion: 62 Resp: 1308
Ion Ratio Lower Upper
62 100
64 163.4 23.5 43.7#

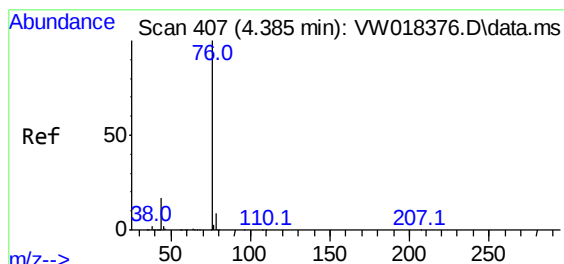
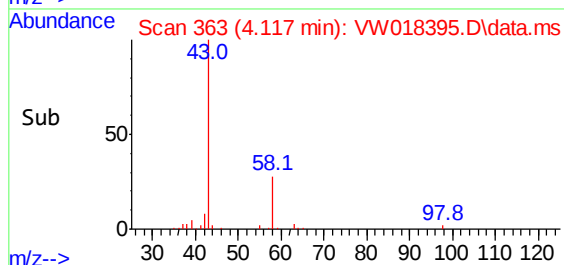
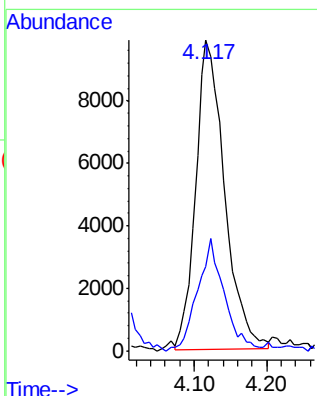
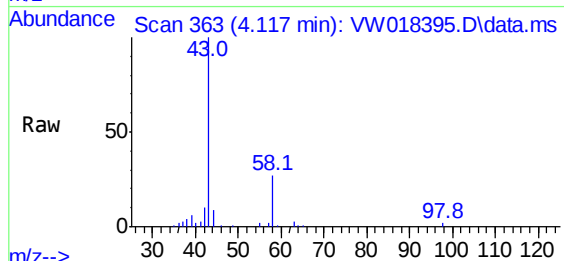




#13
Acetone
Concen: 56.82 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.000 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

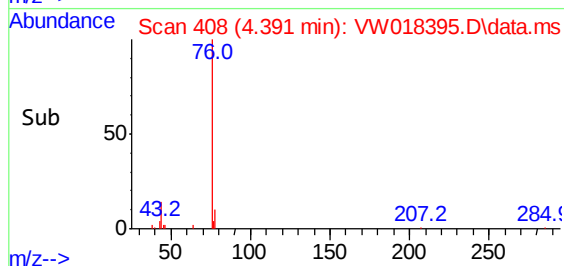
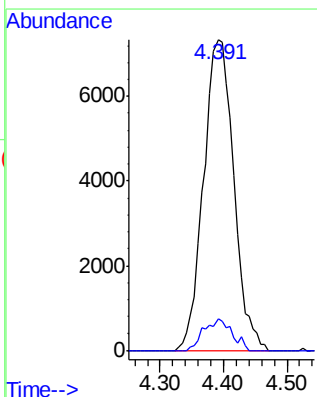
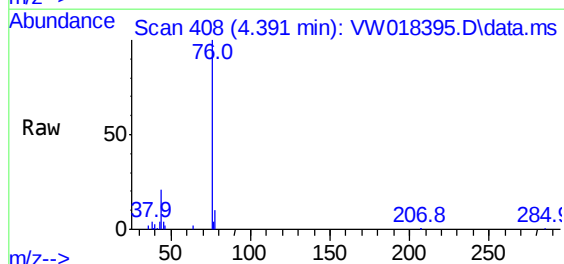
Instrument :
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ClientSampled :
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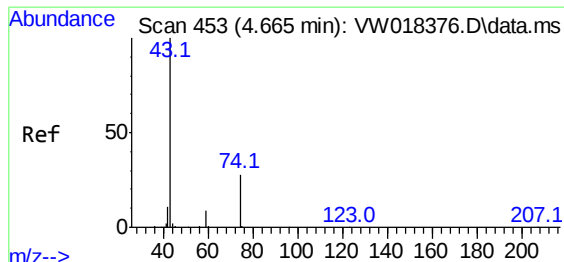
Tgt Ion: 43 Resp: 27393
Ion Ratio Lower Upper
43 100
58 33.7 0.0 62.2



#14
Carbon disulfide
Concen: 2.88 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Tgt Ion: 76 Resp: 23575
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2

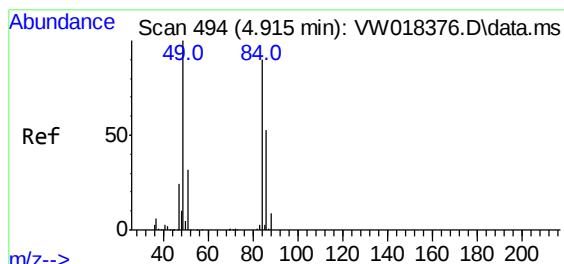
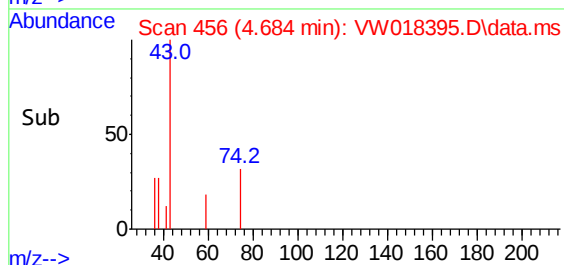
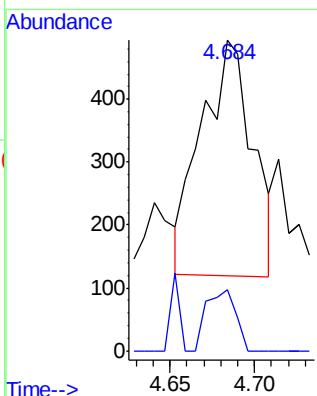
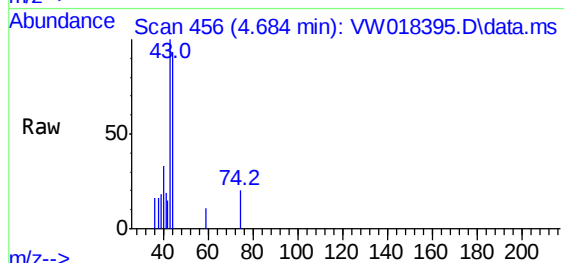




#15
Methyl Acetate
Concen: 0.71 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.018 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

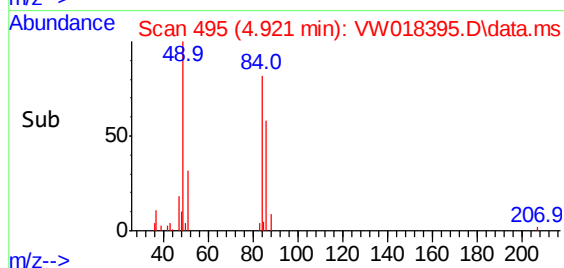
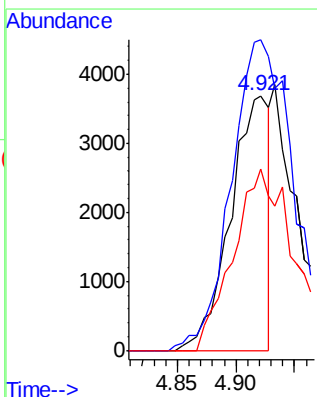
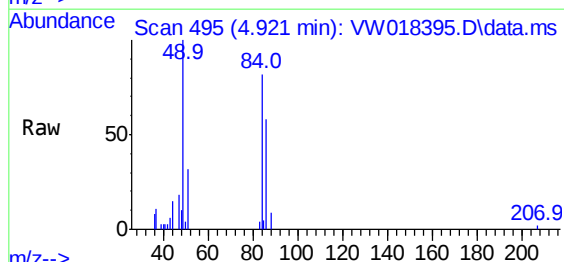
Instrument :
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ClientSampled :
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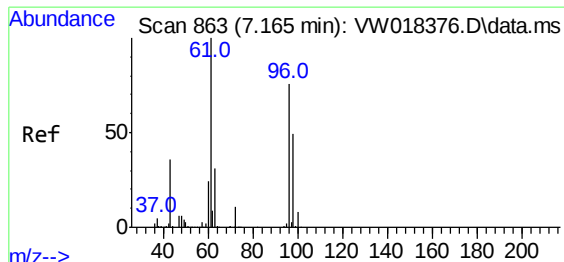
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
74 14.6 22.9 34.3#



#16
Methylene chloride
Concen: 2.37 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Tgt Ion: 84 Resp: 8436
Ion Ratio Lower Upper
84 100
49 122.0 74.4 138.2
86 71.3 46.1 85.7

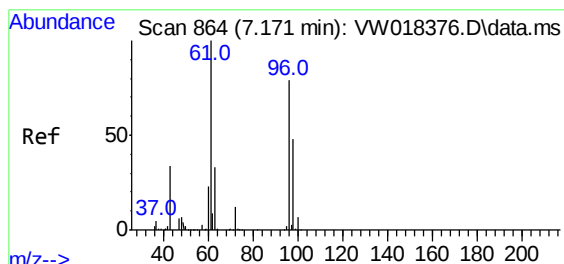
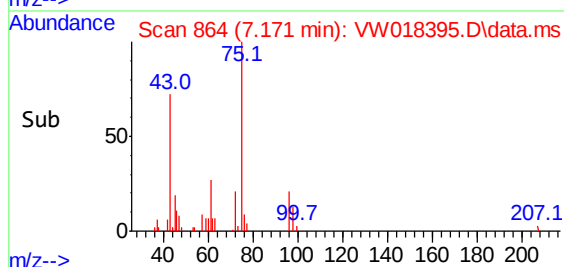
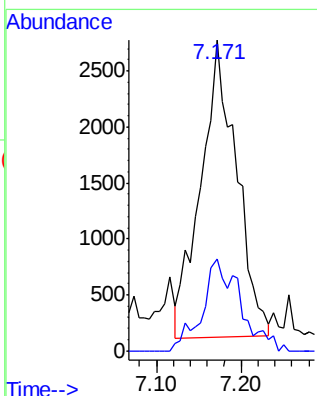
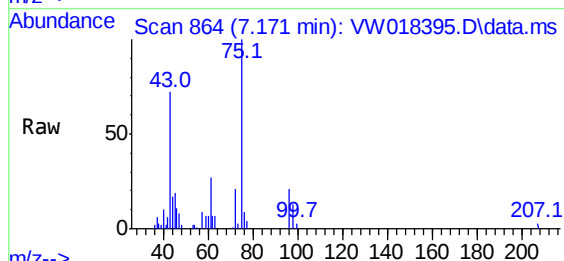




#21
2-Butanone
Concen: 9.94 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

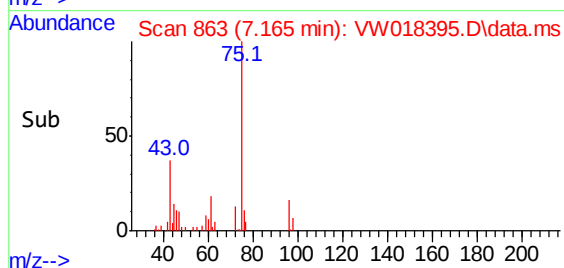
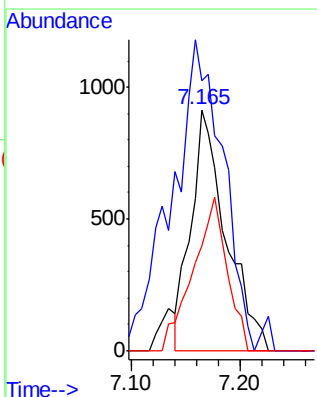
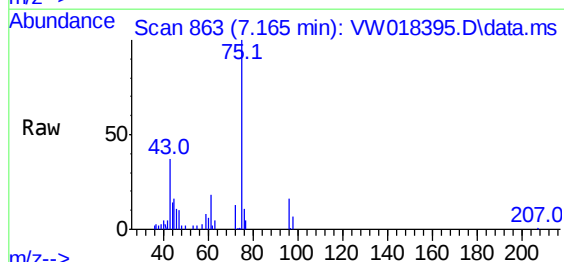
Instrument :
MSVOA_W
ClientSampled :
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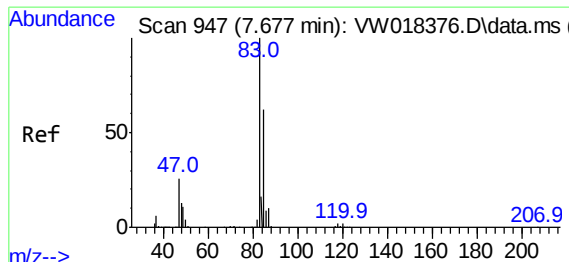
Tgt Ion: 43 Resp: 7614
Ion Ratio Lower Upper
43 100
72 17.5 16.5 49.5



#22
cis-1,2-Dichloroethene
Concen: 0.65 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Tgt Ion: 96 Resp: 2041
Ion Ratio Lower Upper
96 100
61 103.2 84.8 157.6
98 40.2 45.1 83.9#

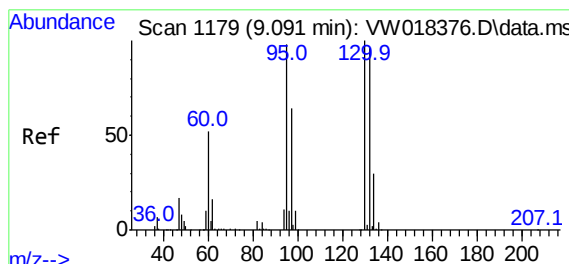
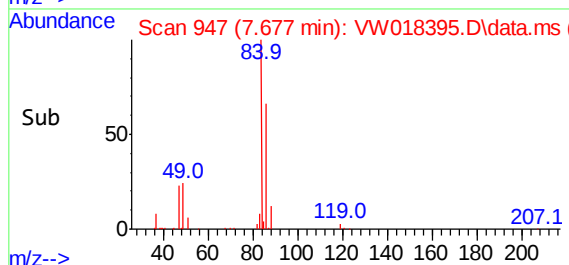
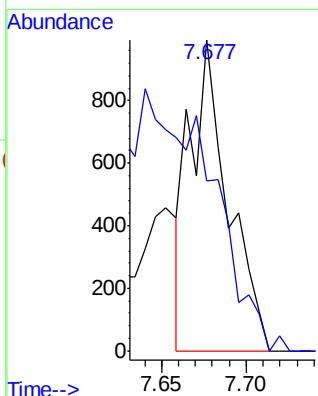
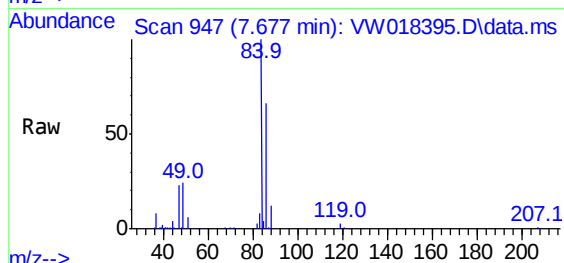




#25
Chloroform
Concen: 0.28 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

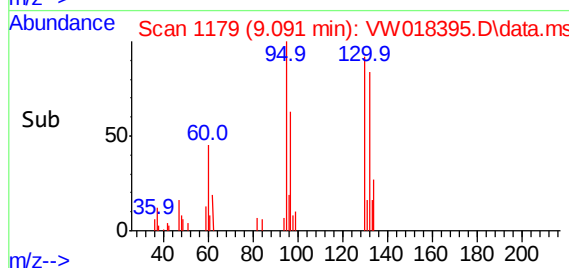
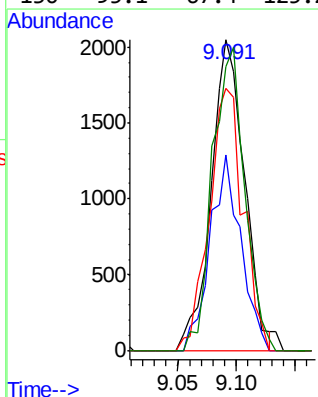
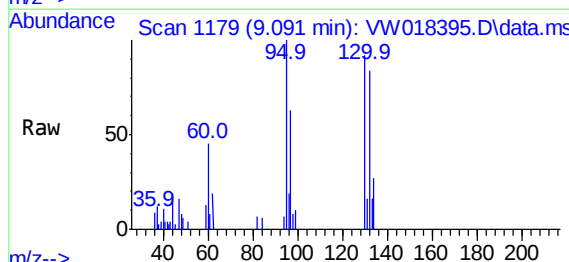
Instrument :
MSVOA_W
ClientSampled :
BG4H2

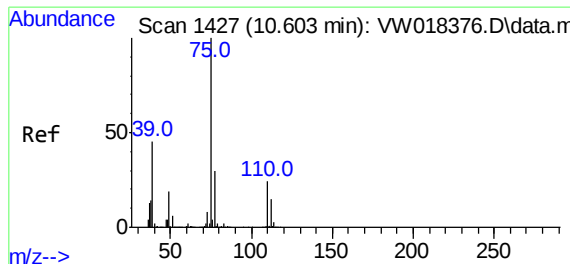
Tgt Ion: 83 Resp: 1536
Ion Ratio Lower Upper
83 100
85 1.2 46.4 86.2#



#35
Trichloroethene
Concen: 1.68 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Tgt Ion: 95 Resp: 4037
Ion Ratio Lower Upper
95 100
97 58.5 44.4 82.4
132 86.6 65.9 122.5
130 95.1 67.4 125.2

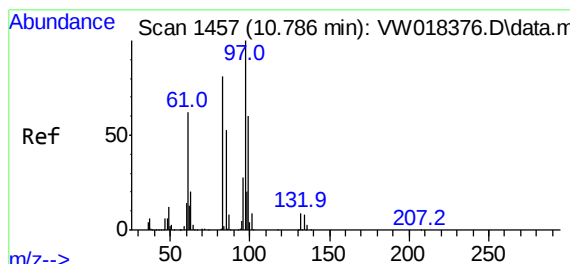
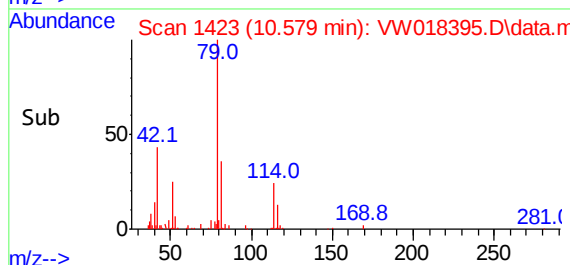
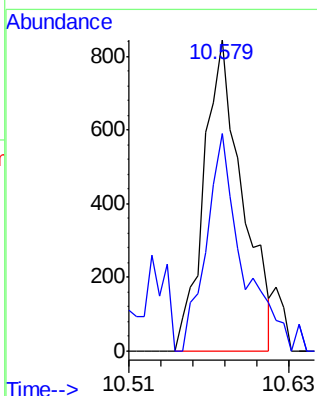
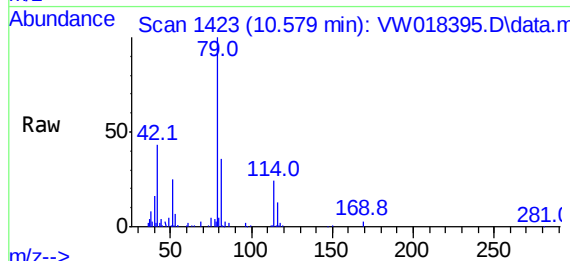




#45
trans-1,3-Dichloropropene
Concen: 0.54 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.025 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

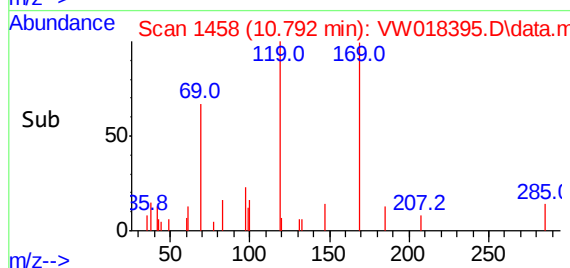
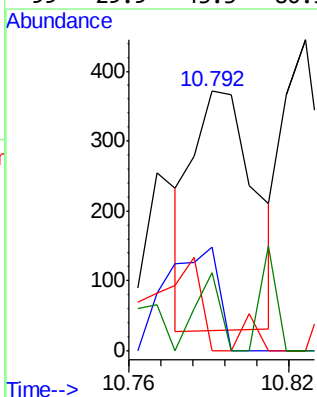
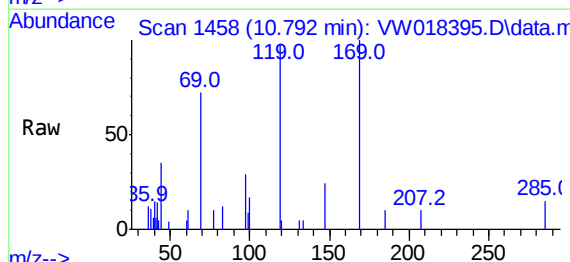
Instrument :
MSVOA_W
ClientSampled :
BG4H2

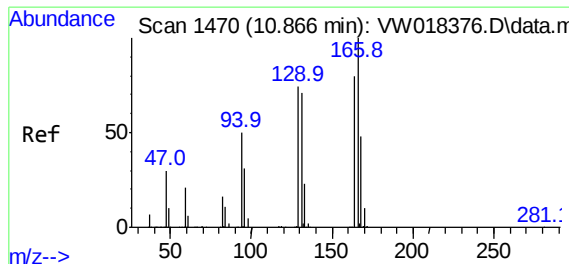
Tgt Ion: 75 Resp: 1745
Ion Ratio Lower Upper
75 100
77 70.1 22.6 42.0#



#46
1,1,2-Trichloroethane
Concen: 0.28 ug/L
RT: 10.792 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Tgt Ion: 97 Resp: 483
Ion Ratio Lower Upper
97 100
83 39.9 58.9 109.5#
85 0.0 38.4 71.4#
99 29.9 43.3 80.3#



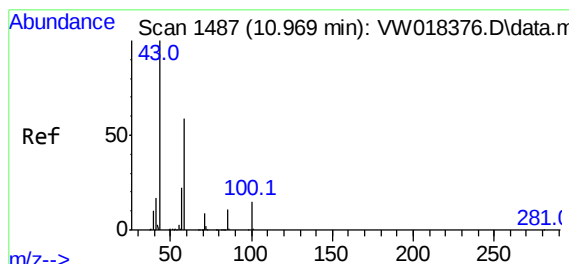
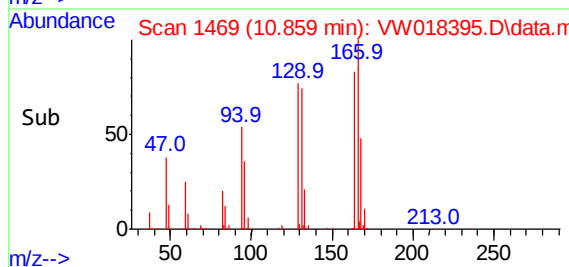
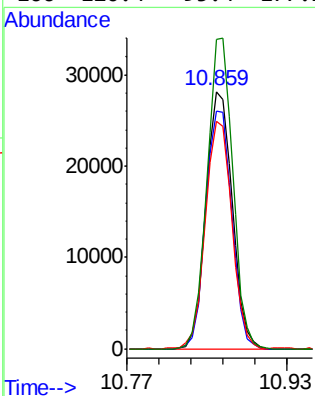
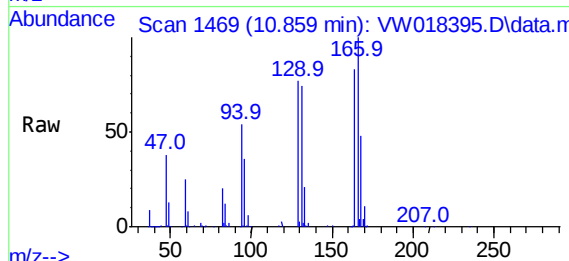


#47
Tetrachloroethene
Concen: 27.51 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Instrument :
MSVOA_W
ClientSampleId :
BG4H2

Tgt Ion:164 Resp: 50213

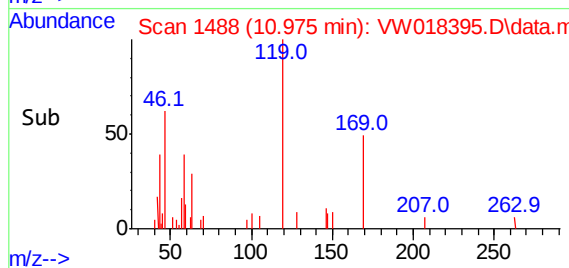
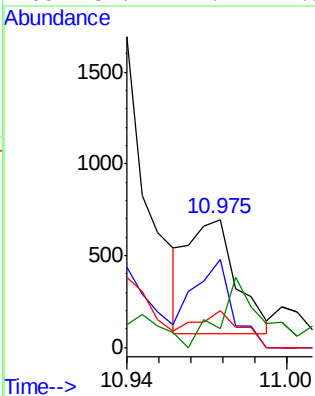
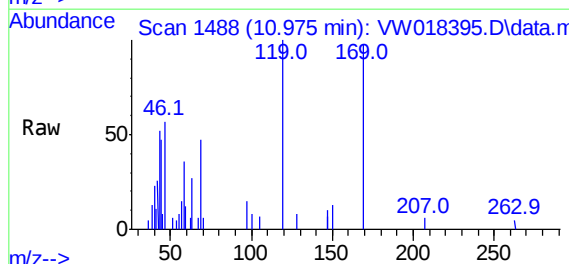
Ion	Ratio	Lower	Upper
164	100		
129	92.7	68.8	127.8
131	88.7	68.3	126.8
166	120.4	95.4	177.2

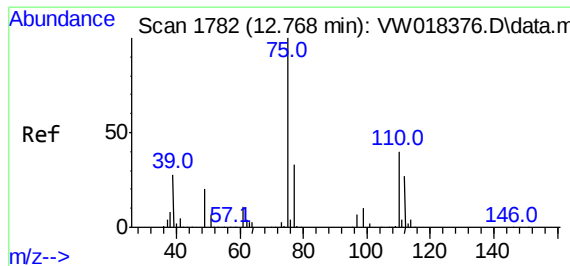


#49
2-Hexanone
Concen: 0.89 ug/L
RT: 10.975 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VW018395.D
Acq: 19 Mar 2021 17:41

Tgt Ion: 43 Resp: 802

Ion	Ratio	Lower	Upper
43	100		
58	62.8	47.3	70.9
57	31.8	17.3	25.9
100	54.2	12.9	19.3





#59
 1,2,3-Trichloropropane
 Concen: 0.20 ug/L
 RT: 12.761 min Scan# 1781
 Delta R.T. -0.006 min
 Lab File: VW018395.D
 Acq: 19 Mar 2021 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4H2

Tgt Ion: 75 Resp: 312
 Ion Ratio Lower Upper
 75 100
 77 25.0 25.6 38.4#

