

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
 Data File : VW018403.D
 Acq On : 19 Mar 2021 22:03
 Operator : SY/VA
 Sample : M1698-16
 Misc : 5.78G/10ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4L4

Quant Time: Mar 20 04:00:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 20 03:58:53 2021
 Response via : Initial Calibration

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

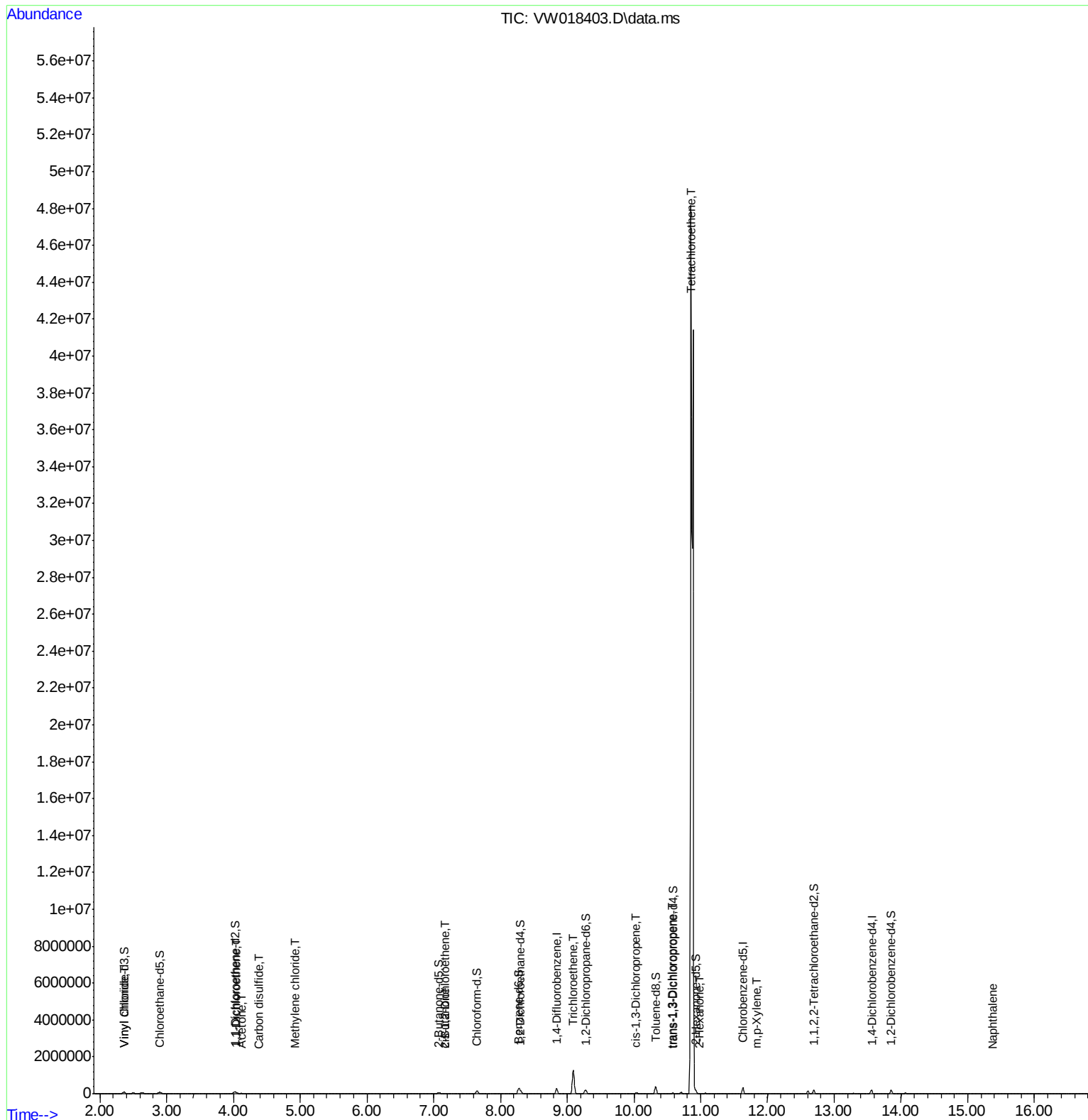
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	232781	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	168929	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	49805	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	97065	29.96	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	119.84%		
7) Chloroethane-d5	2.891	69	87814	30.97	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	123.88%		
10) 1,1-Dichloroethene-d2	4.025	63	116682	20.86	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	83.44%		
20) 2-Butanone-d5	7.074	46	89015	123.43	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	246.86%#		
24) Chloroform-d	7.647	84	152391	25.70	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	102.80%		
26) 1,2-Dichloroethane-d4	8.305	65	97977	28.31	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	113.24%		
29) Benzene-d6	8.275	84	295653	32.92	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	131.68%		
33) 1,2-Dichloropropane-d6	9.274	67	86806	33.51	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	134.04%#		
37) Toluene-d8	10.323	98	248411	28.73	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	114.92%		
38) trans-1,3-Dichloroprop...	10.579	79	21609	16.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	64.68%		
39) 2-Hexanone-d5	10.921	63	52009	102.59	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	205.18%#		
48) 1,1,2,2-Tetrachloroeth...	12.688	84	84099	36.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	145.16%#		
61) 1,2-Dichlorobenzene-d4	13.853	152	48257	27.25	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	109.00%		
Target Compounds					Qvalue	
5) Vinyl chloride	2.361	62	1684	0.38	ug/L #	1
12) 1,1-Dichloroethene	4.044	96	3270	1.12	ug/L #	1
13) Acetone	4.117	43	40240	77.67	ug/L	99
14) Carbon disulfide	4.385	76	5073	0.58	ug/L #	85
16) Methylene chloride	4.922	84	15614	4.09	ug/L	91
21) 2-Butanone	7.171	43	10533	12.80	ug/L	83
22) cis-1,2-Dichloroethene	7.171	96	2450	0.72	ug/L	78
35) Trichloroethene	9.092	95	430228	159.17	ug/L	99
42) cis-1,3-Dichloropropene	10.030	75	2015	0.50	ug/L #	49
45) trans-1,3-Dichloropropene	10.573	75	1167	0.32	ug/L #	62
47) Tetrachloroethene	10.853	164	7722927	3762.99	ug/L	93
49) 2-Hexanone	10.975	43	427	0.42	ug/L #	55
54) m,p-Xylene	11.841	106	1213	0.25	ug/L	73
69) Naphthalene	15.371	128	1060	0.26	ug/L #	73

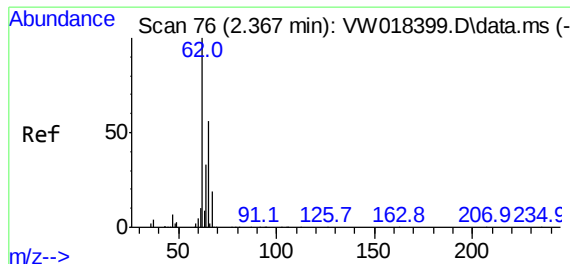
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 20 03:58:53 2021
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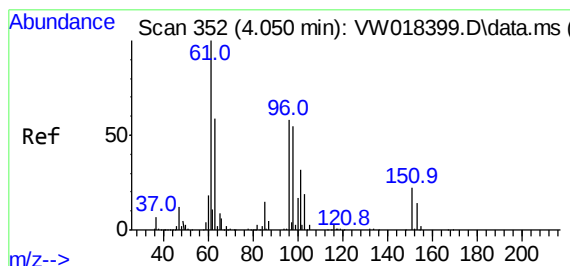
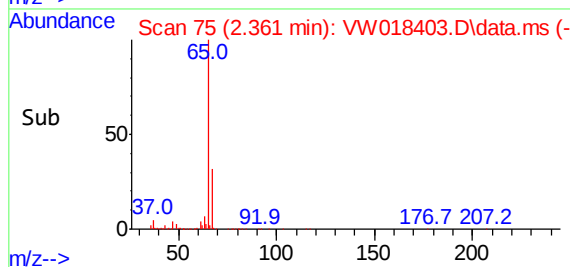
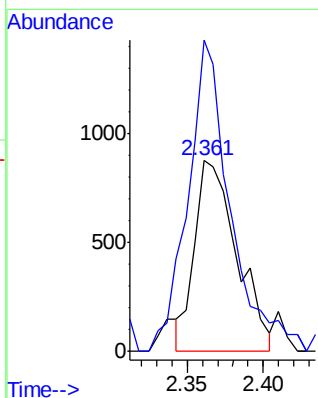
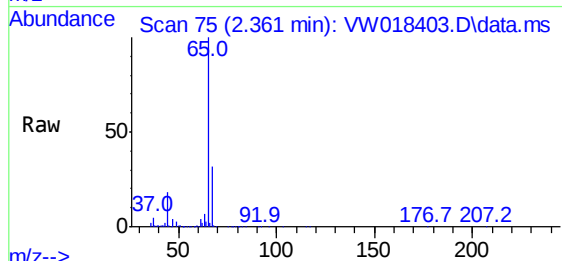




#5
 Vinyl chloride
 Concen: 0.38 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: VW018403.D
 Acq: 19 Mar 2021 22:03

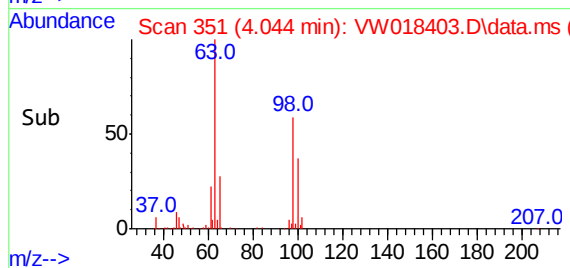
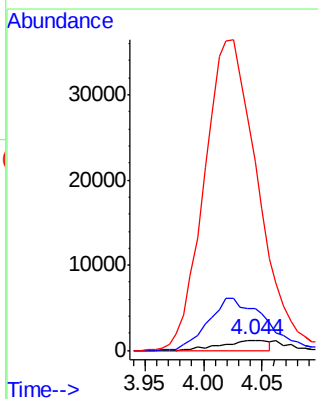
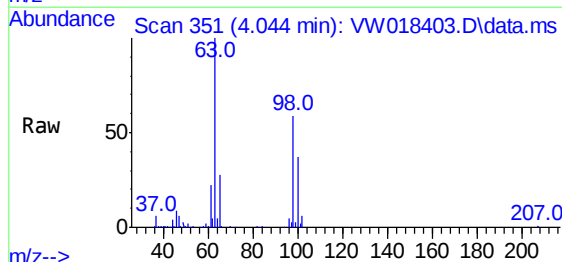
Instrument :
 MSVOA_W
 ClientSampled :
 BG4L4

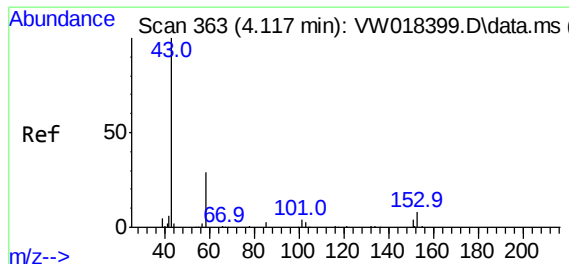
Tgt Ion: 62 Resp: 1684
 Ion Ratio Lower Upper
 62 100
 64 163.3 23.5 43.7#



#12
 1,1-Dichloroethene
 Concen: 1.12 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. -0.006 min
 Lab File: VW018403.D
 Acq: 19 Mar 2021 22:03

Tgt Ion: 96 Resp: 3270
 Ion Ratio Lower Upper
 96 100
 61 407.1 118.6 220.2#
 63 1860.6 82.4 153.0#

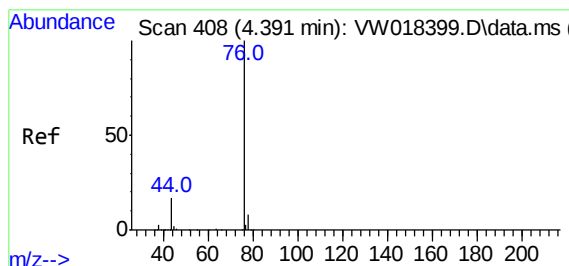
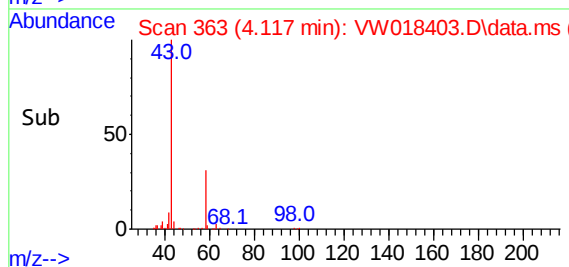
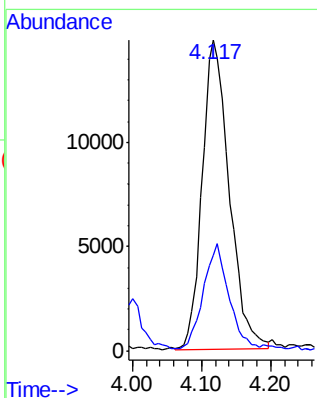
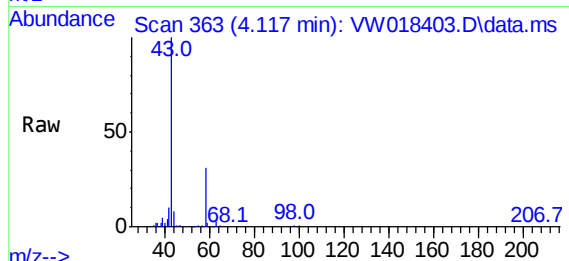




#13
Acetone
Concen: 77.67 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.000 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

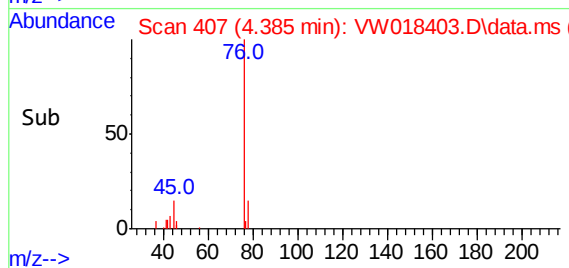
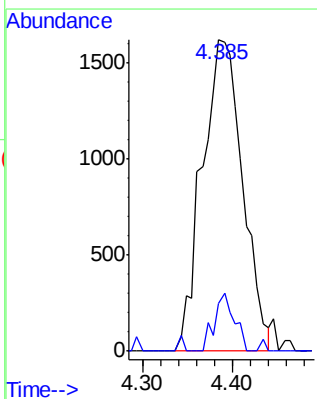
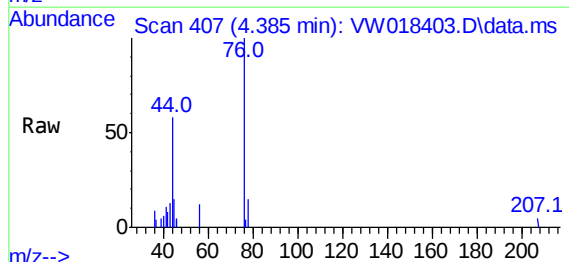
Instrument :
MSVOA_W
ClientSampled :
BG4L4

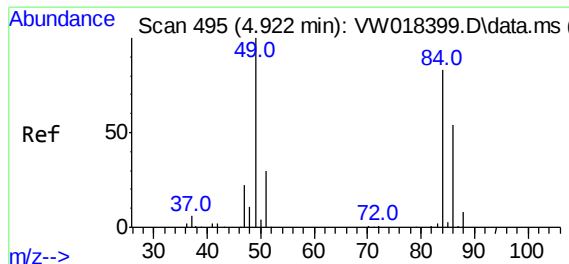
Tgt Ion: 43 Resp: 40240
Ion Ratio Lower Upper
43 100
58 31.8 0.0 62.2



#14
Carbon disulfide
Concen: 0.58 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Tgt Ion: 76 Resp: 5073
Ion Ratio Lower Upper
76 100
78 14.9 7.4 11.2#



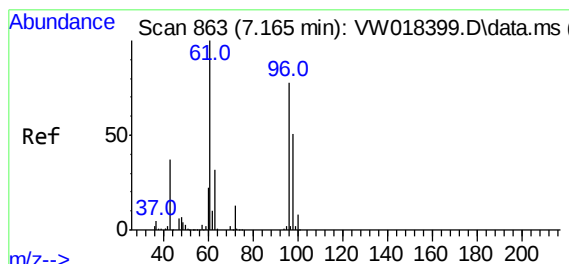
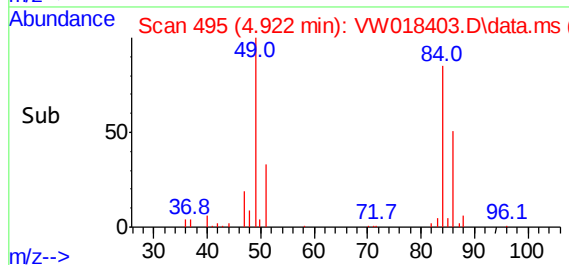
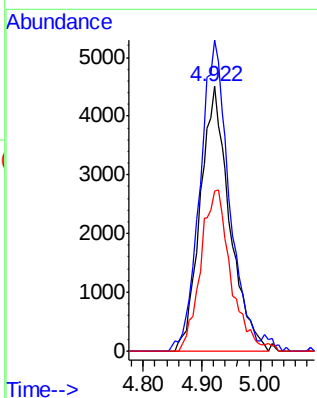
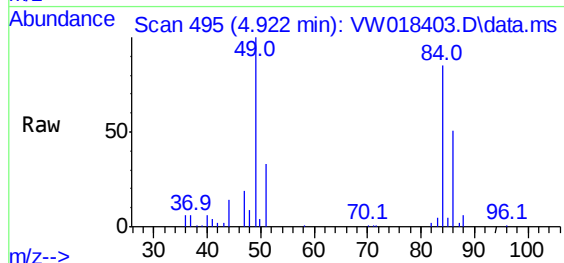


#16
Methylene chloride
Concen: 4.09 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Instrument :
MSVOA_W
ClientSampleId :
BG4L4

Tgt Ion: 84 Resp: 15614

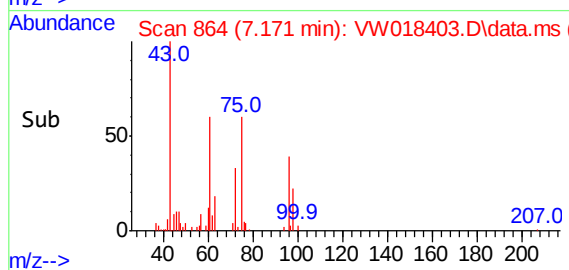
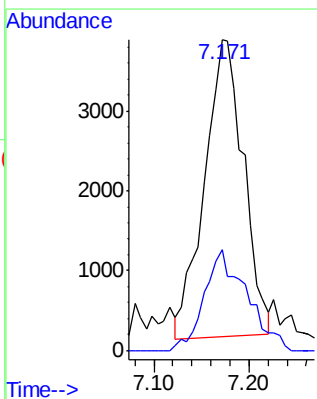
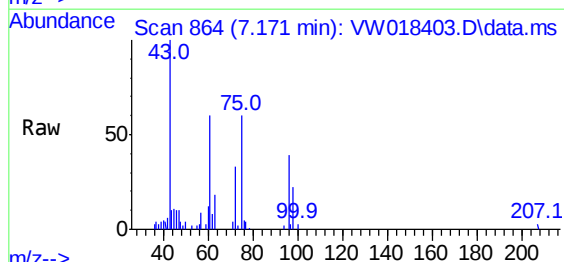
Ion	Ratio	Lower	Upper
84	100		
49	117.5	74.4	138.2
86	60.5	46.1	85.7

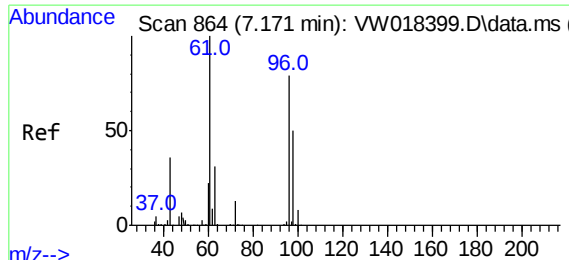


#21
2-Butanone
Concen: 12.80 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Tgt Ion: 43 Resp: 10533

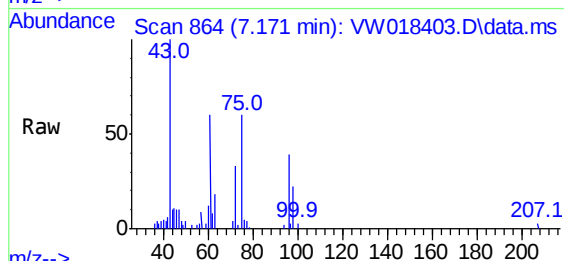
Ion	Ratio	Lower	Upper
43	100		
72	23.5	16.5	49.5





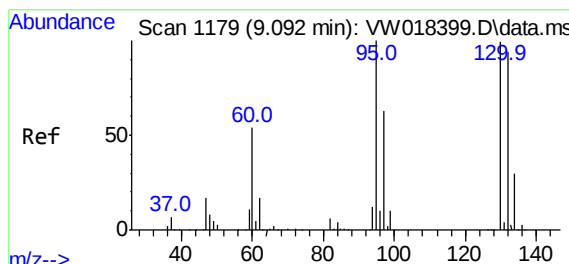
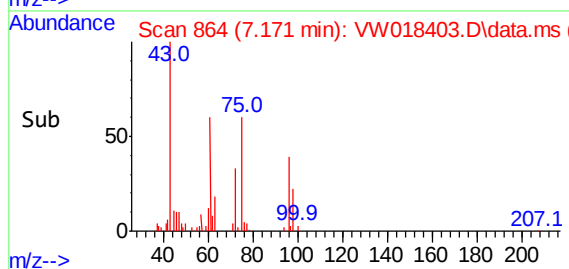
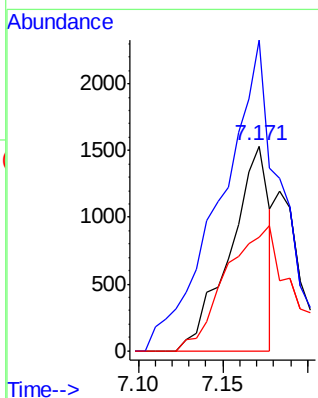
#22
cis-1,2-Dichloroethene
Concen: 0.72 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Instrument :
MSVOA_W
ClientSampleId :
BG4L4



Tgt Ion: 96 Resp: 2450

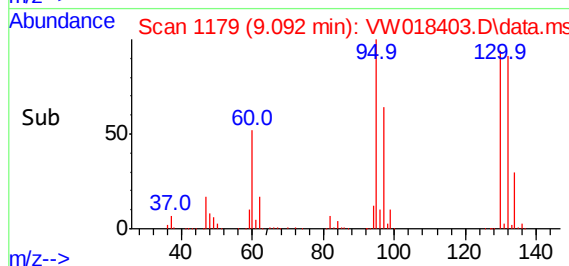
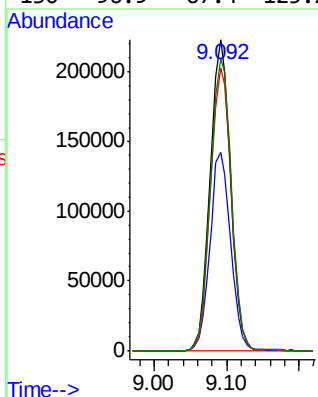
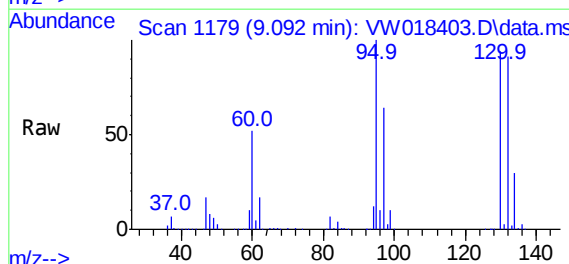
Ion	Ratio	Lower	Upper
96	100		
61	151.8	84.8	157.6
98	55.4	45.1	83.9

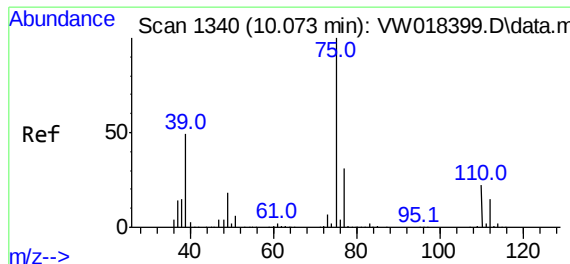


#35
Trichloroethene
Concen: 159.17 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Tgt Ion: 95 Resp: 430228

Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.4	82.4
132	93.2	65.9	122.5
130	96.9	67.4	125.2

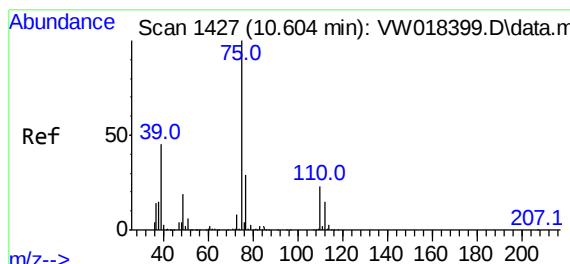
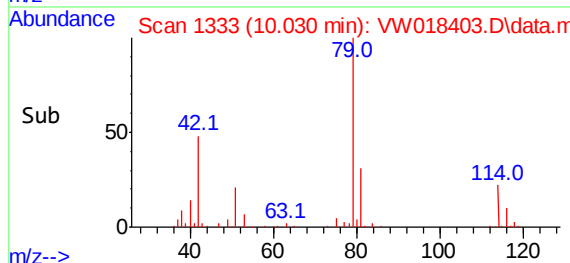
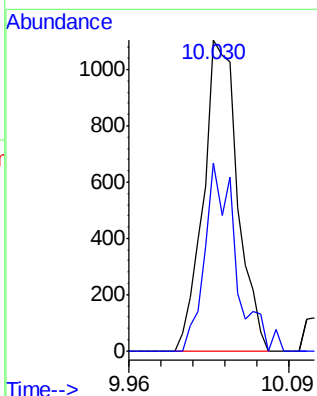
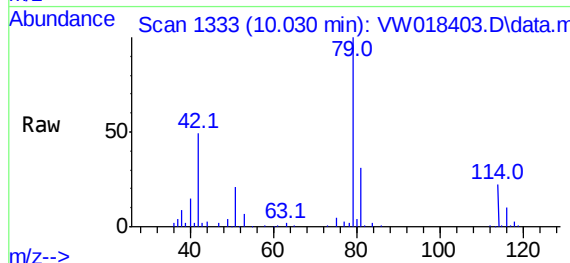




#42
cis-1,3-Dichloropropene
Concen: 0.50 ug/L
RT: 10.030 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

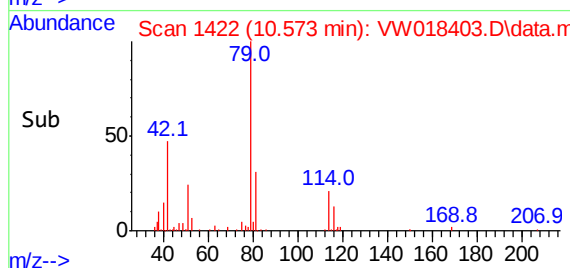
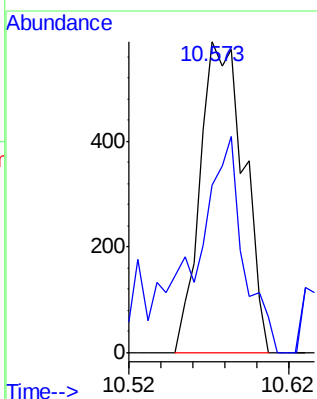
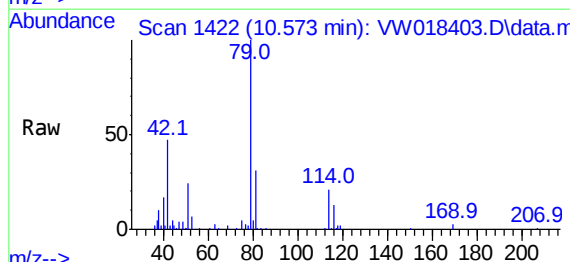
Instrument :
MSVOA_W
ClientSampled :
BG4L4

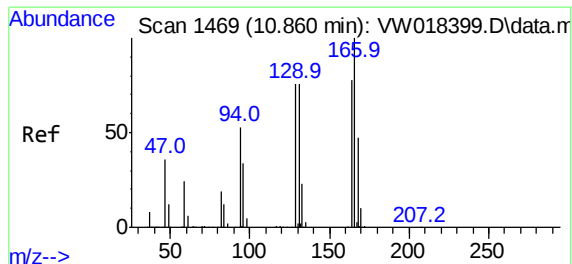
Tgt Ion: 75 Resp: 2015
Ion Ratio Lower Upper
75 100
77 60.5 22.4 41.6#



#45
trans-1,3-Dichloropropene
Concen: 0.32 ug/L
RT: 10.573 min Scan# 1422
Delta R.T. -0.030 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Tgt Ion: 75 Resp: 1167
Ion Ratio Lower Upper
75 100
77 53.7 22.6 42.0#



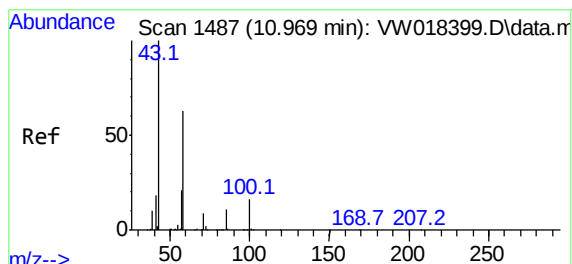
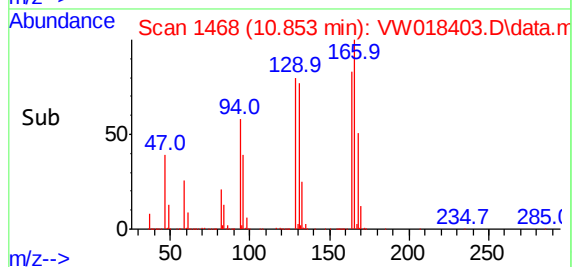
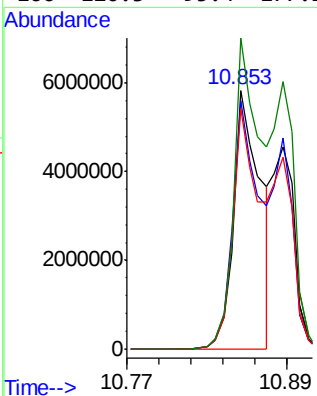
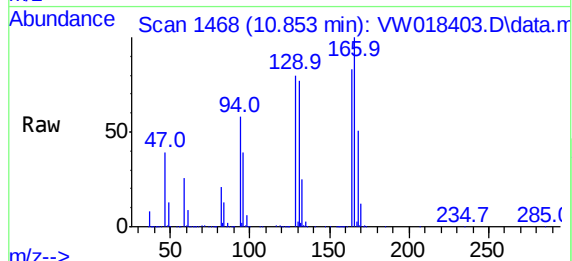


#47
Tetrachloroethene
Concen: 3762.99 ug/L
RT: 10.853 min Scan# 1468
Delta R.T. -0.006 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Instrument :
MSVOA_W
ClientSampleId :
BG4L4

Tgt Ion:164 Resp: 7722927

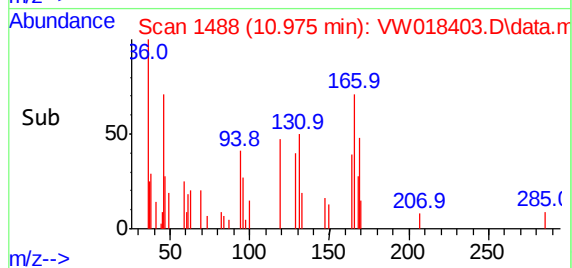
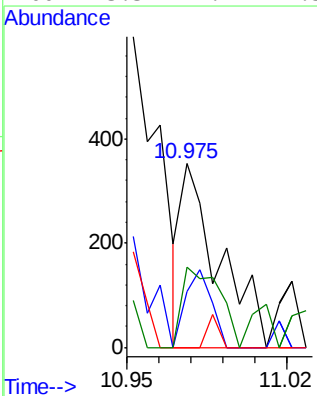
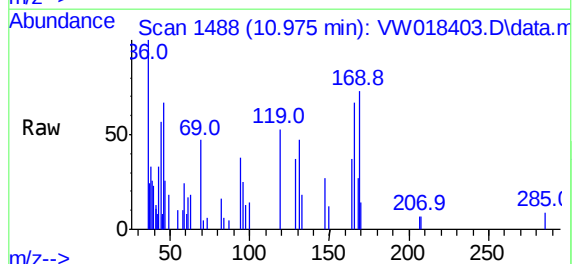
Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.8	127.8
131	93.1	68.3	126.8
166	120.3	95.4	177.2

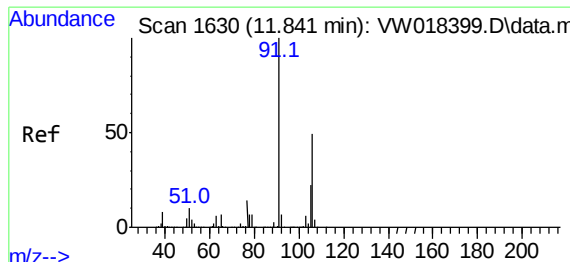


#49
2-Hexanone
Concen: 0.42 ug/L
RT: 10.975 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Tgt Ion: 43 Resp: 427

Ion	Ratio	Lower	Upper
43	100		
58	29.3	47.3	70.9#
57	0.0	17.3	25.9#
100	43.3	12.9	19.3#

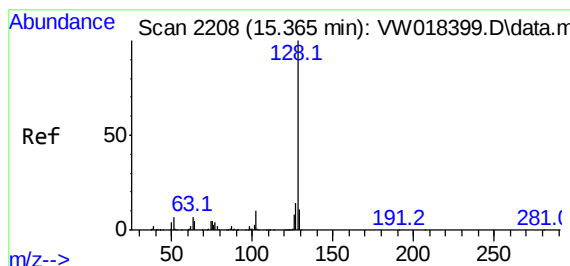
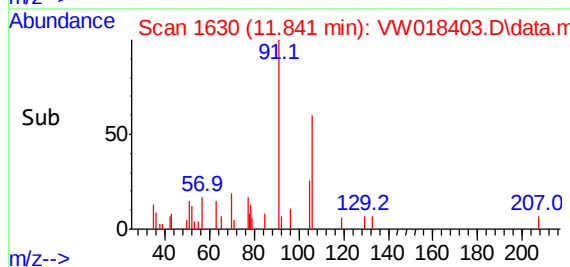
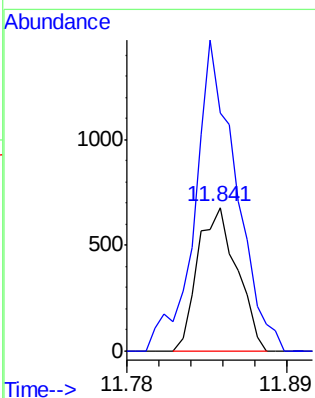
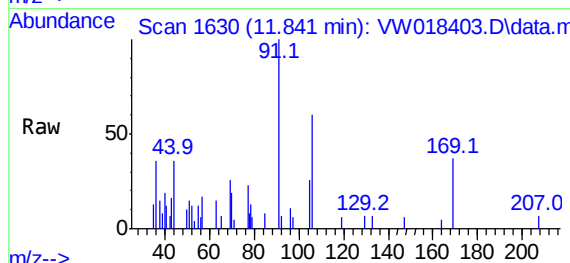




#54
m,p-Xylene
Concen: 0.25 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Instrument :
MSVOA_W
ClientSampled :
BG4L4

Tgt Ion:106 Resp: 1213
Ion Ratio Lower Upper
106 100
91 166.1 145.3 269.8



#69
Naphthalene
Concen: 0.26 ug/L
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW018403.D
Acq: 19 Mar 2021 22:03

Tgt Ion:128 Resp: 1060
Ion Ratio Lower Upper
128 100
129 0.0 9.1 13.7#
127 3.3 10.7 16.1#

