

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040621\
 Data File : VW018564.D
 Acq On : 06 Apr 2021 14:18
 Operator : SY/VA
 Sample : M1896-19
 Misc : 5.94G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG5A5

Quant Time: Apr 07 01:14:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 07 01:12:48 2021
 Response via : Initial Calibration

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

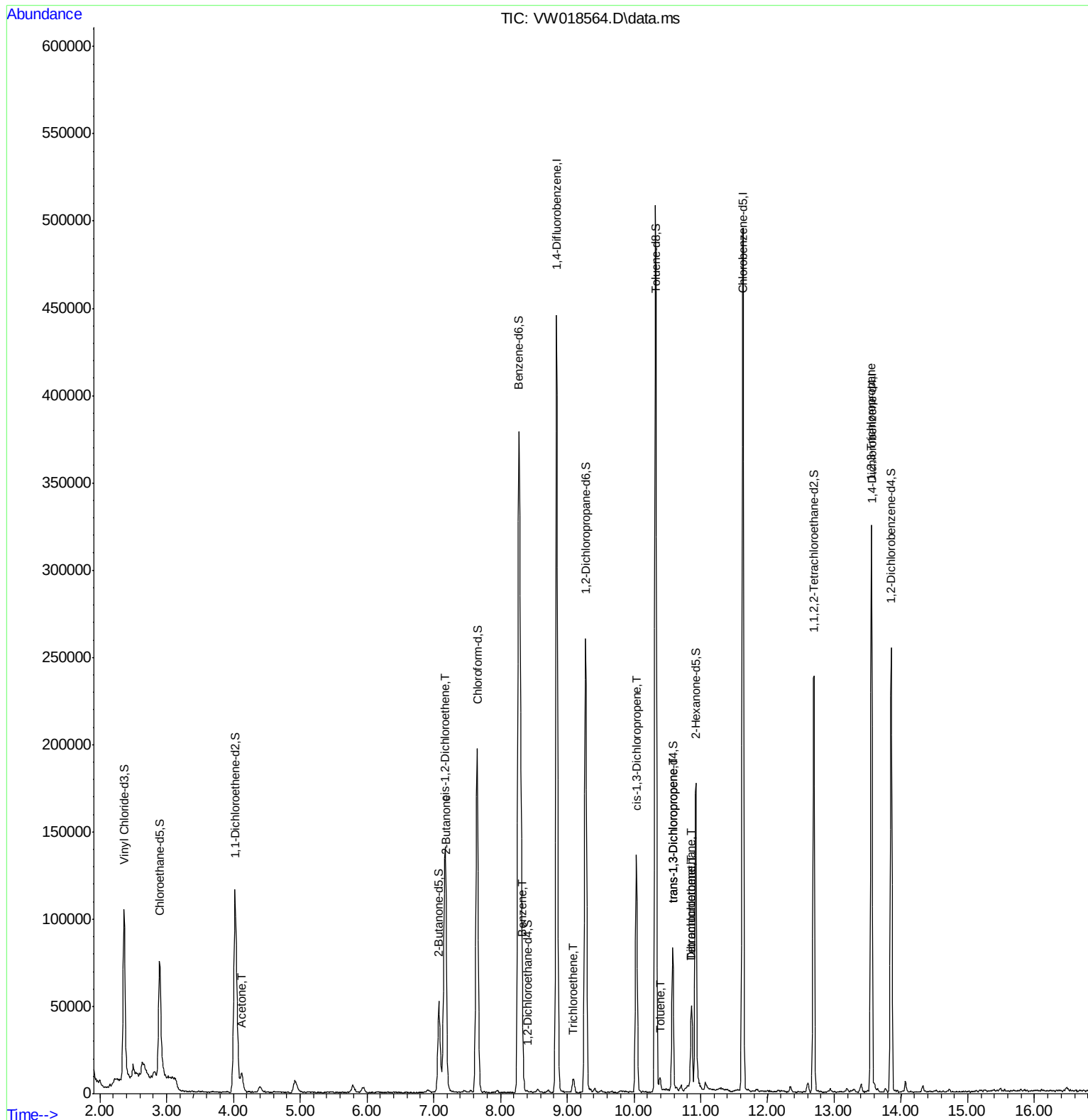
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	356157	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	272034	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	79557	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	123611	24.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.76%		
7) Chloroethane-d5	2.891	69	96253	22.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.76%		
10) 1,1-Dichloroethene-d2	4.019	63	130838	15.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	61.16%		
20) 2-Butanone-d5	7.080	46	82720	74.97	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	149.94%#		
24) Chloroform-d	7.653	84	202524	22.33	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	89.32%		
26) 1,2-Dichloroethane-d4	8.403	65	124	0.02	ug/L	0.10
Spiked Amount 25.000	Range 70 - 130		Recovery =	0.08%#		
29) Benzene-d6	8.275	84	383376	26.51	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	106.04%		
33) 1,2-Dichloropropane-d6	9.274	67	114537	27.46	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	109.84%		
37) Toluene-d8	10.323	98	334459	24.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	96.08%		
38) trans-1,3-Dichloroprop...	10.579	79	43846	20.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	81.52%		
39) 2-Hexanone-d5	10.927	63	61198	74.96	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	149.92%#		
48) 1,1,2,2-Tetrachloroeth...	12.688	84	115409	30.93	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	123.72%#		
61) 1,2-Dichlorobenzene-d4	13.853	152	60798	21.50	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	86.00%		
Target Compounds						
13) Acetone	4.123	43	17824	22.49	ug/L	99
21) 2-Butanone	7.183	43	4271	3.39	ug/L	89
22) cis-1,2-Dichloroethene	7.171	96	82772	15.94	ug/L	95
34) Benzene	8.329	78	14664	0.93	ug/L	100
35) Trichloroethene	9.092	95	2704	0.62	ug/L	95
42) cis-1,3-Dichloropropene	10.036	75	3748	0.58	ug/L	94
44) Toluene	10.390	91	5357	0.30	ug/L	79
45) trans-1,3-Dichloropropene	10.579	75	2502	0.43	ug/L #	72
47) Tetrachloroethene	10.859	164	10847	3.28	ug/L	92
50) Dibromochloromethane	10.859	129	10532	2.91	ug/L #	8
59) 1,2,3-Trichloropropane	13.554	75	10052	3.58	ug/L	93

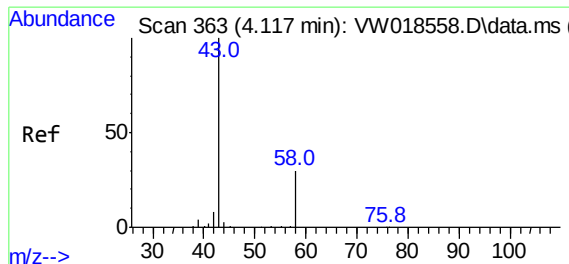
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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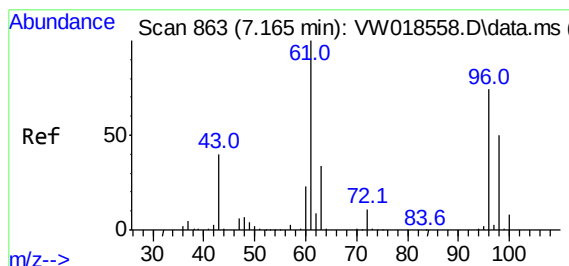
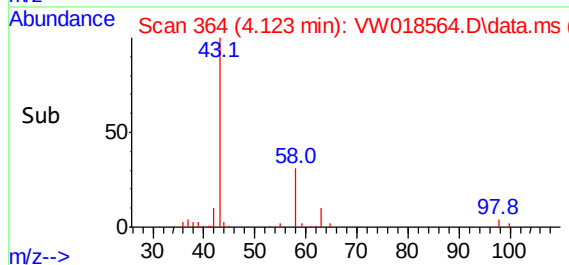
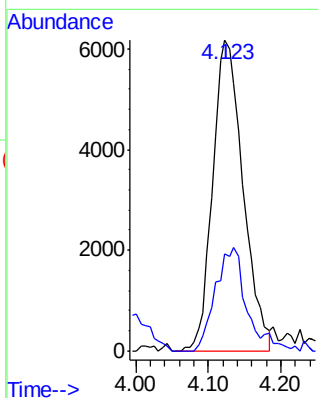
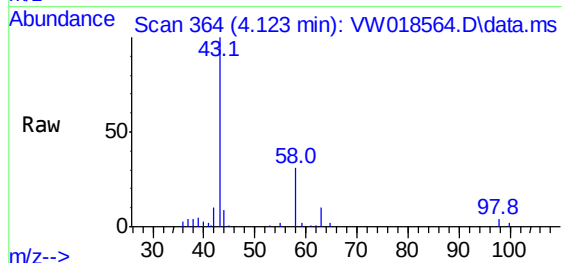




#13
Acetone
Concen: 22.49 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018564.D
Acq: 06 Apr 2021 14:18

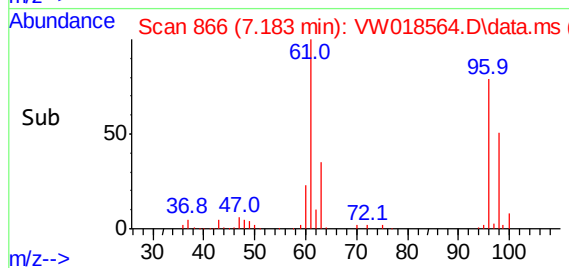
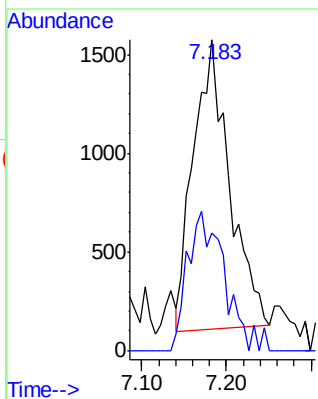
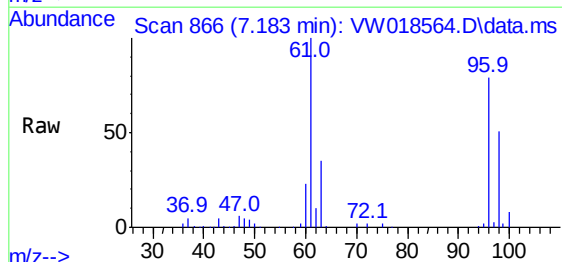
Instrument :
MSVOA_W
ClientSampled :
BG5A5

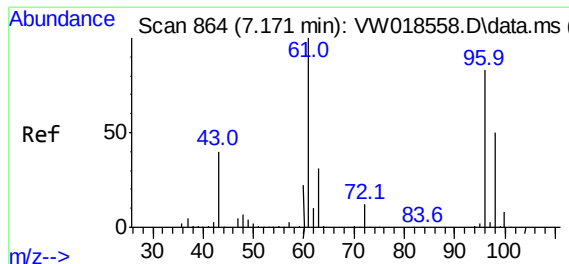
Tgt Ion: 43 Resp: 17824
Ion Ratio Lower Upper
43 100
58 31.7 0.0 62.2



#21
2-Butanone
Concen: 3.39 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.018 min
Lab File: VW018564.D
Acq: 06 Apr 2021 14:18

Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
72 26.6 16.5 49.5



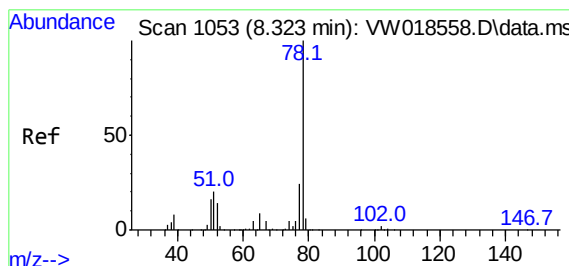
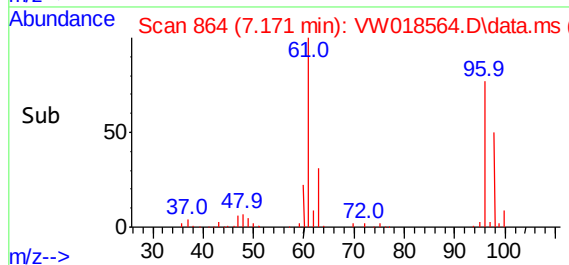
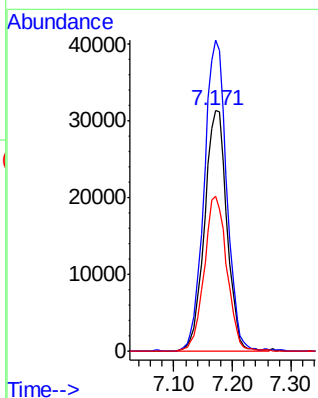
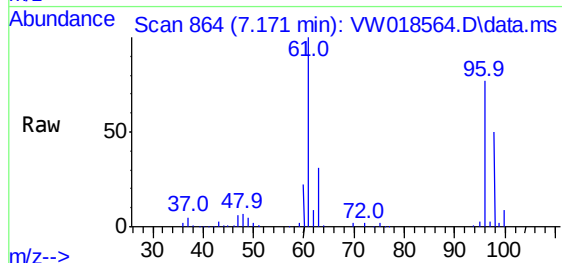


#22
 cis-1,2-Dichloroethene
 Concen: 15.94 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW018564.D
 Acq: 06 Apr 2021 14:18

Instrument :
 MSVOA_W
 ClientSampled :
 BG5A5

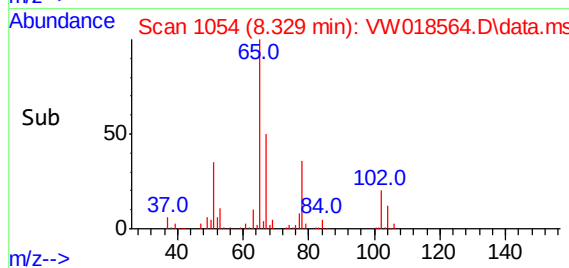
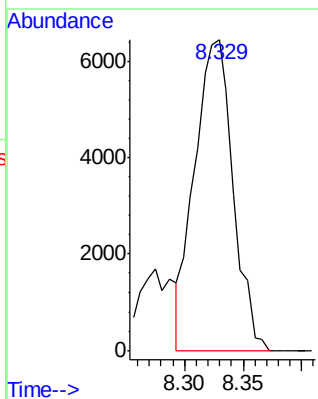
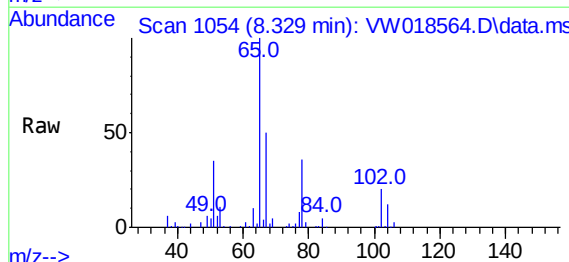
Tgt Ion: 96 Resp: 82772

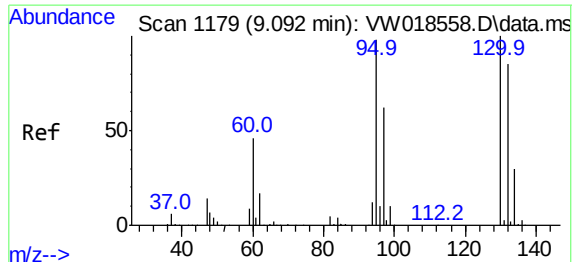
Ion	Ratio	Lower	Upper
96	100		
61	129.4	84.8	157.6
98	64.4	45.1	83.9



#34
 Benzene
 Concen: 0.93 ug/L
 RT: 8.329 min Scan# 1054
 Delta R.T. 0.006 min
 Lab File: VW018564.D
 Acq: 06 Apr 2021 14:18

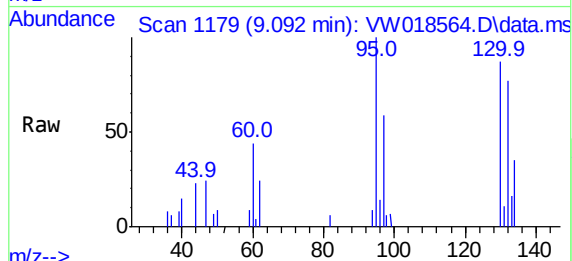
Tgt Ion: 78 Resp: 14664





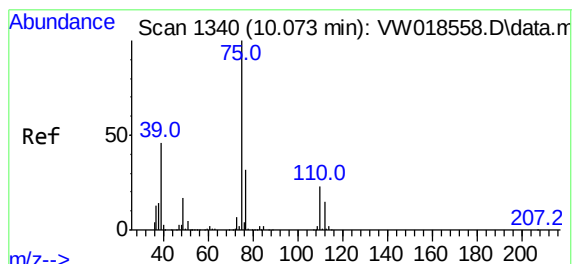
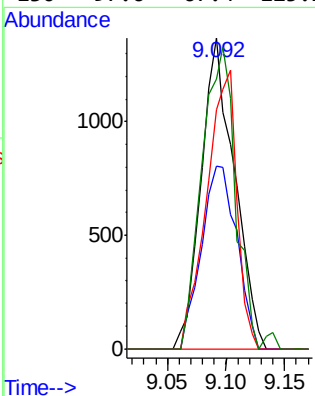
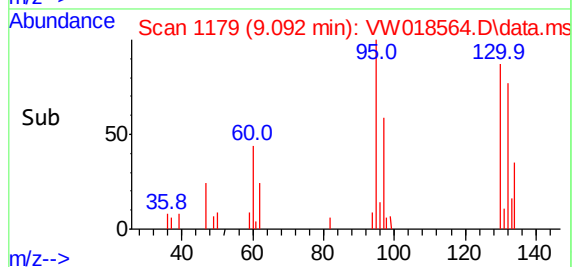
#35
 Trichloroethene
 Concen: 0.62 ug/L
 RT: 9.092 min Scan# 1179
 Delta R.T. -0.000 min
 Lab File: VW018564.D
 Acq: 06 Apr 2021 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 BG5A5

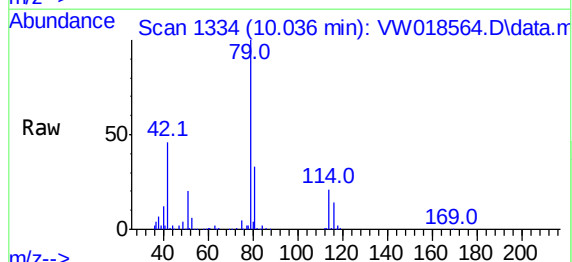


Tgt Ion: 95 Resp: 2704

Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.4	82.4
132	82.0	65.9	122.5
130	97.6	67.4	125.2

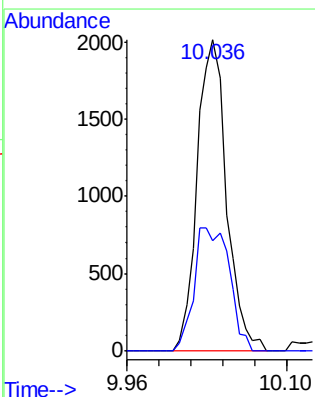
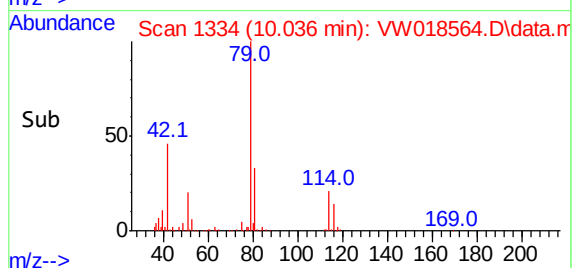


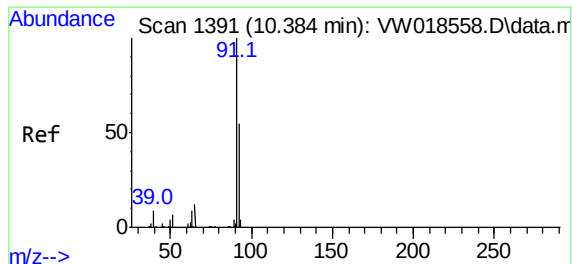
#42
 cis-1,3-Dichloropropene
 Concen: 0.58 ug/L
 RT: 10.036 min Scan# 1334
 Delta R.T. -0.037 min
 Lab File: VW018564.D
 Acq: 06 Apr 2021 14:18



Tgt Ion: 75 Resp: 3748

Ion	Ratio	Lower	Upper
75	100		
77	35.5	22.4	41.6





#44

Toluene

Concen: 0.30 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW018564.D

Acq: 06 Apr 2021 14:18

Instrument :

MSVOA_W

ClientSampled :

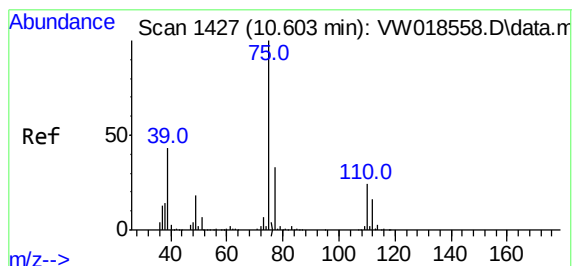
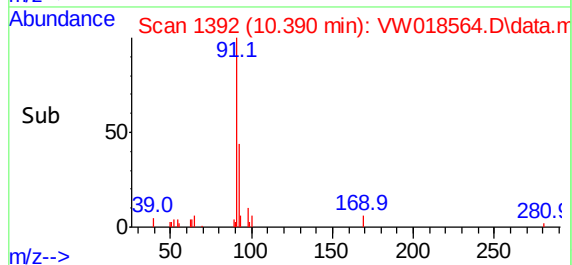
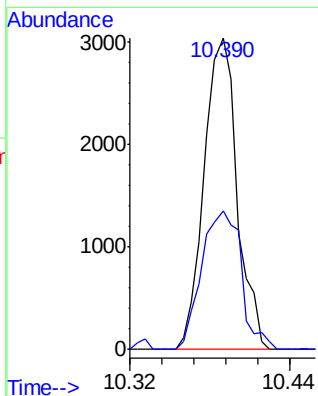
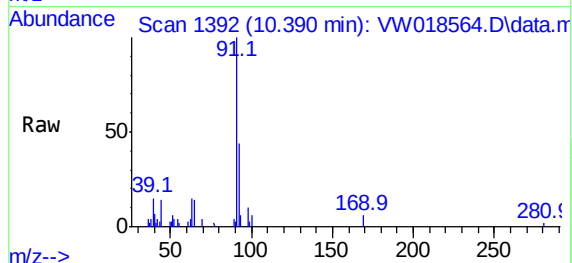
BG5A5

Tgt Ion: 91 Resp: 5357

Ion Ratio Lower Upper

91 100

92 44.5 42.3 78.5



#45

trans-1,3-Dichloropropene

Concen: 0.43 ug/L

RT: 10.579 min Scan# 1423

Delta R.T. -0.024 min

Lab File: VW018564.D

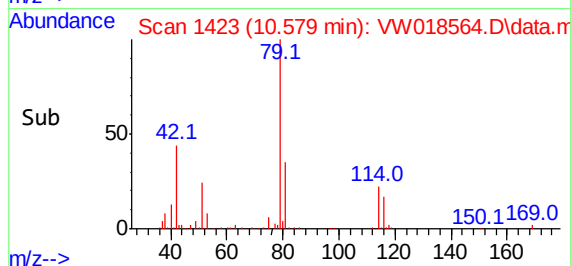
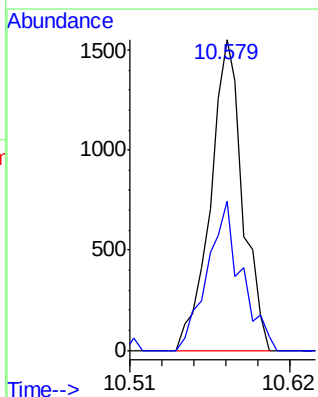
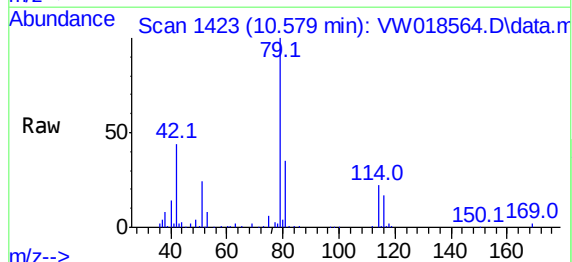
Acq: 06 Apr 2021 14:18

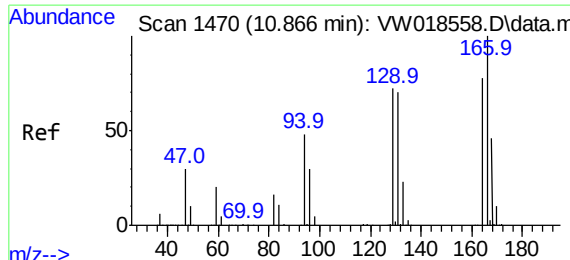
Tgt Ion: 75 Resp: 2502

Ion Ratio Lower Upper

75 100

77 47.9 22.6 42.0#



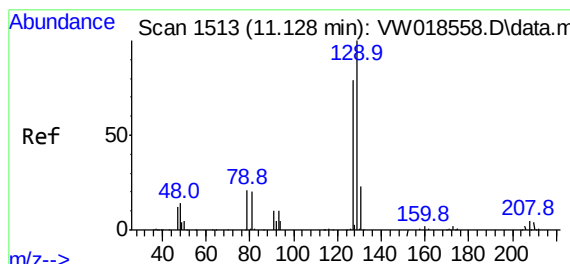
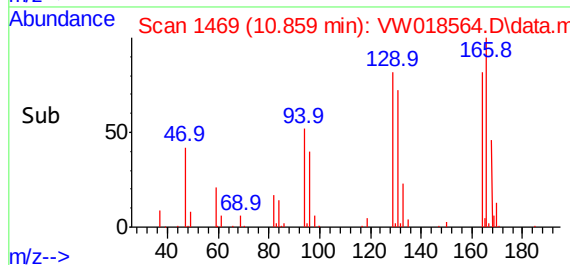
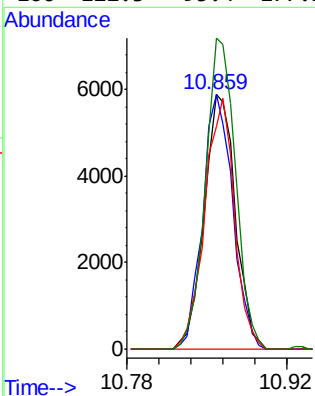
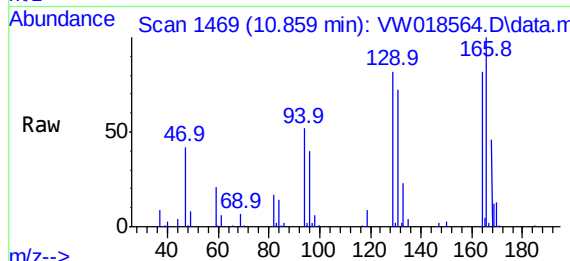


#47
Tetrachloroethene
Concen: 3.28 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018564.D
Acq: 06 Apr 2021 14:18

Instrument :
MSVOA_W
ClientSampleId :
BG5A5

Tgt Ion:164 Resp: 10847

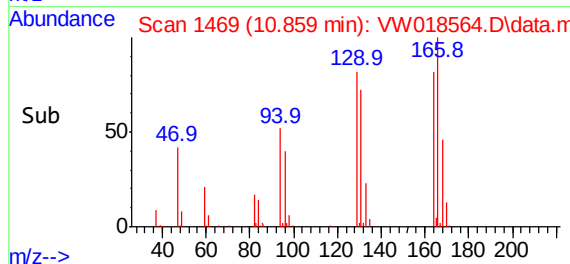
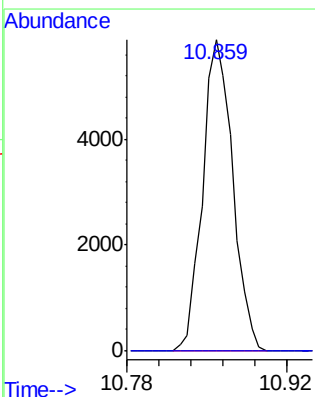
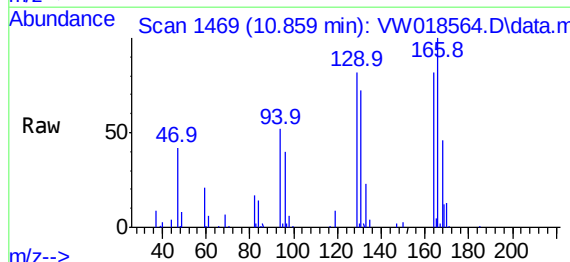
Ion	Ratio	Lower	Upper
164	100		
129	100.1	68.8	127.8
131	87.6	68.3	126.8
166	122.3	95.4	177.2

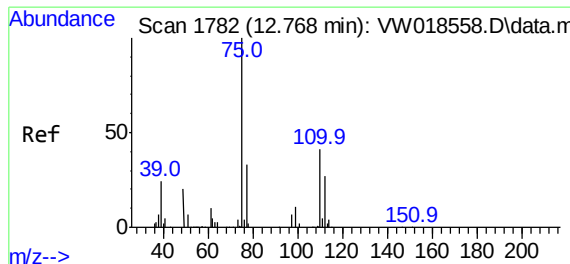


#50
Dibromochloromethane
Concen: 2.91 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW018564.D
Acq: 06 Apr 2021 14:18

Tgt Ion:129 Resp: 10532

Ion	Ratio	Lower	Upper
129	100		
127	0.0	58.0	107.6#





#59
 1,2,3-Trichloropropane
 Concen: 3.58 ug/L
 RT: 13.554 min Scan# 1911
 Delta R.T. 0.786 min
 Lab File: VW018564.D
 Acq: 06 Apr 2021 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 BG5A5

Tgt Ion: 75 Resp: 10052
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.6 38.4

