

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018583.D
 Acq On : 07 Apr 2021 16:06
 Operator : SY/VA
 Sample : M1881-11RE
 Misc : 4.61G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 05:37:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration

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

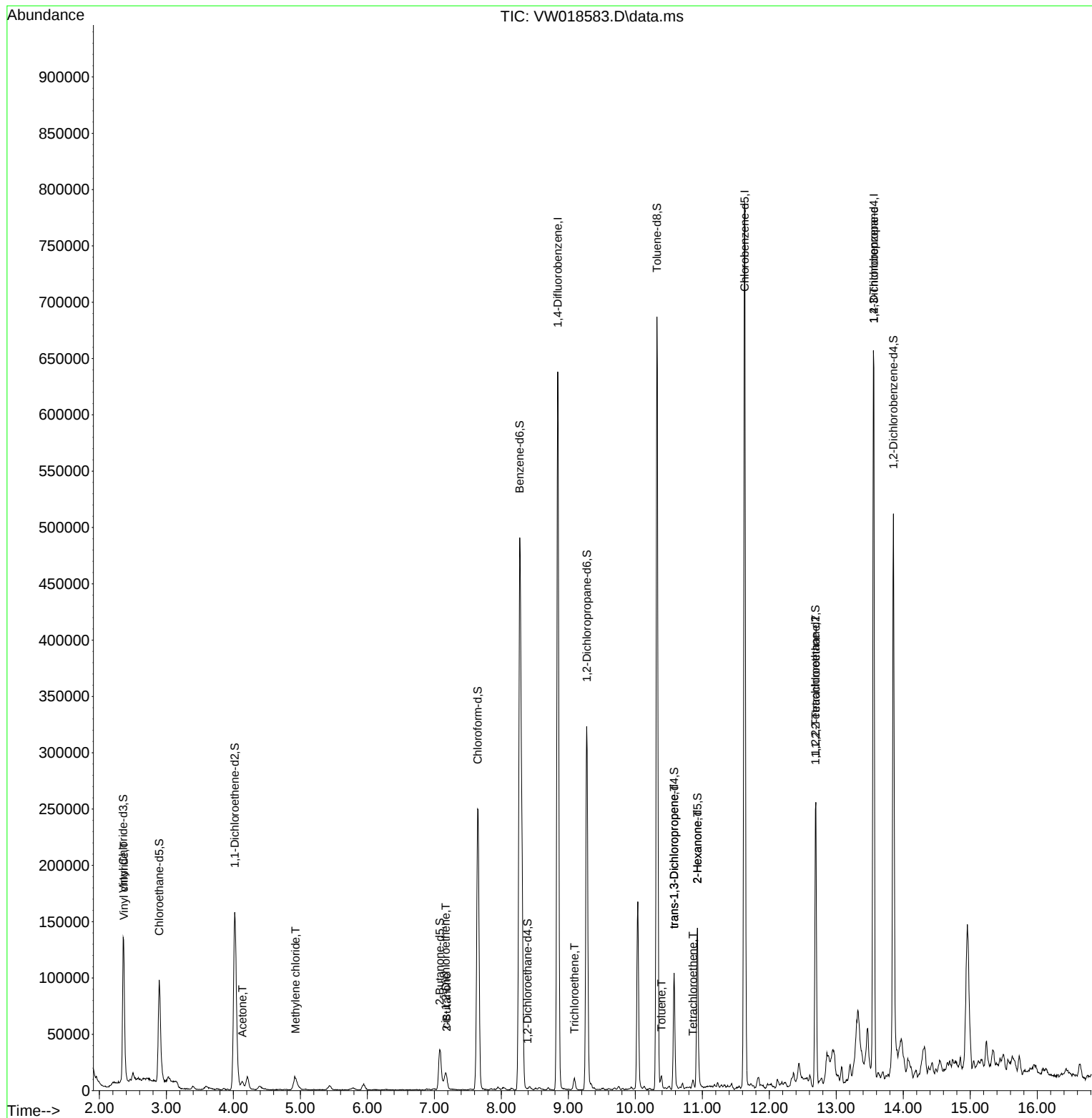
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	530219	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	431352	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	171020	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	147752	20.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.12%
7) Chloroethane-d5	2.891	69	119489	18.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.00%
10) 1,1-Dichloroethene-d2	4.019	63	172319	13.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.12%
20) 2-Butanone-d5	7.080	46	61380	37.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.74%
24) Chloroform-d	7.647	84	255001	18.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.52%
26) 1,2-Dichloroethane-d4	8.390	65	179	0.02	ug/L	0.09
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.275	84	496214	21.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.56%
33) 1,2-Dichloropropane-d6	9.274	67	146850	22.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.80%
37) Toluene-d8	10.323	98	458567	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.08%
38) trans-1,3-Dichloroprop...	10.579	79	56150	16.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	65.84%
39) 2-Hexanone-d5	10.927	63	48930	37.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.60%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	120170	20.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.24%
61) 1,2-Dichlorobenzene-d4	13.853	152	120162	19.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.04%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.367	62	7969	0.79	ug/L #	63
13) Acetone	4.135	43	12328	10.45	ug/L	71
16) Methylene chloride	4.928	84	6398	0.74	ug/L	94
21) 2-Butanone	7.183	43	4527	2.41	ug/L	84
22) cis-1,2-Dichloroethene	7.171	96	7057	0.91	ug/L	95
35) Trichloroethene	9.092	95	2919	0.42	ug/L	99
44) Toluene	10.390	91	8238	0.29	ug/L	96
45) trans-1,3-Dichloropropene	10.579	75	2923	0.32	ug/L	90
47) Tetrachloroethene	10.860	164	1610	0.31	ug/L #	64
49) 2-Hexanone	10.927	43	7294	2.80	ug/L #	60
58) 1,1,2,2-Tetrachloroethane	12.695	83	2001	0.34	ug/L #	1
59) 1,2,3-Trichloropropane	13.560	75	21247	4.77	ug/L	90

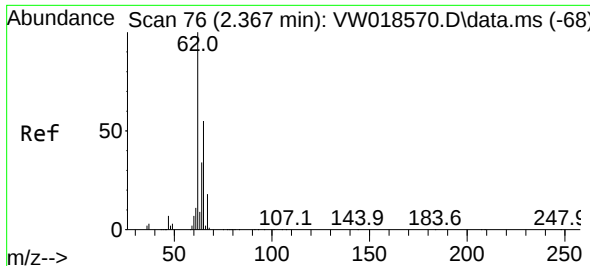
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 08 05:34:15 2021
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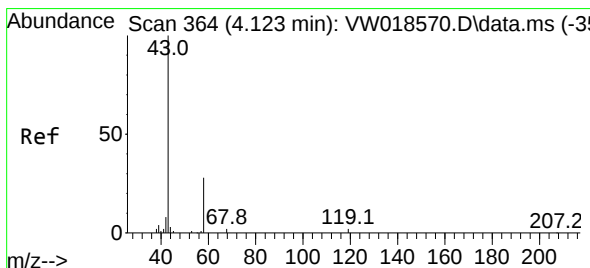
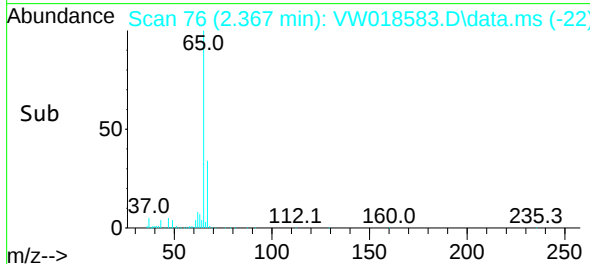
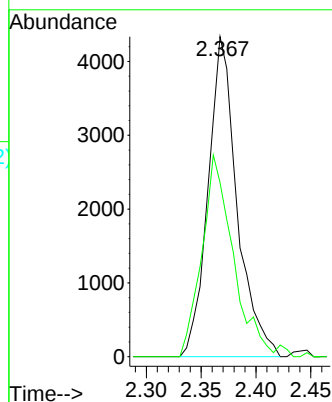
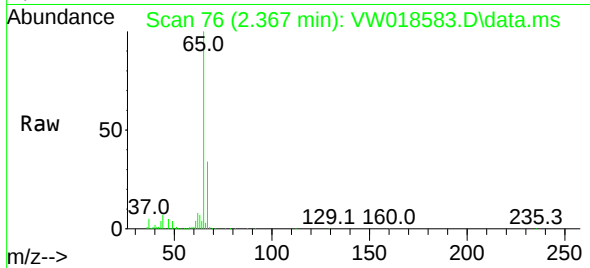




#5
 Vinyl chloride
 Concen: 0.79 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VW018583.D
 Acq: 07 Apr 2021 16:06

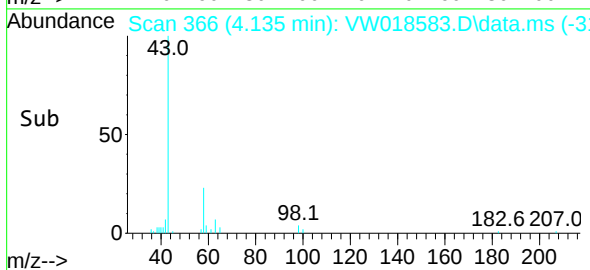
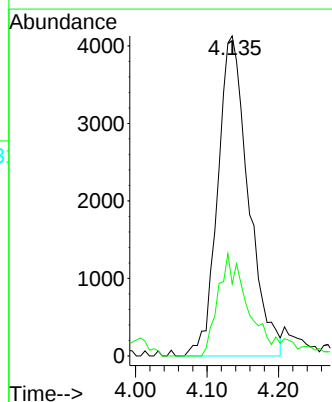
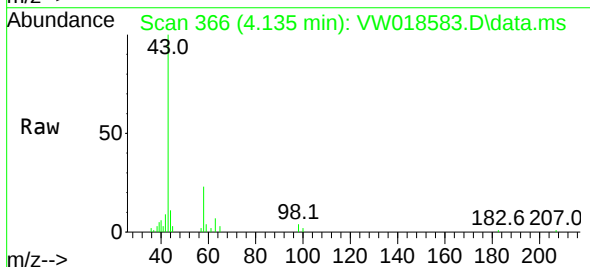
Instrument :
 MSVOA_W
 ClientSampled :

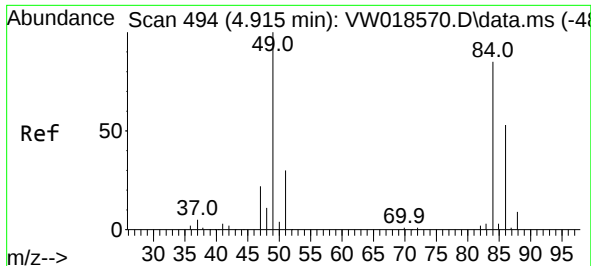
Tgt Ion: 62 Resp: 7969
 Ion Ratio Lower Upper
 62 100
 64 54.4 23.5 43.7#



#13
 Acetone
 Concen: 10.45 ug/L
 RT: 4.135 min Scan# 366
 Delta R.T. 0.012 min
 Lab File: VW018583.D
 Acq: 07 Apr 2021 16:06

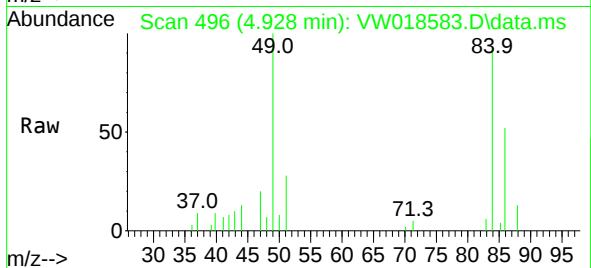
Tgt Ion: 43 Resp: 12328
 Ion Ratio Lower Upper
 43 100
 58 15.2 0.0 62.2





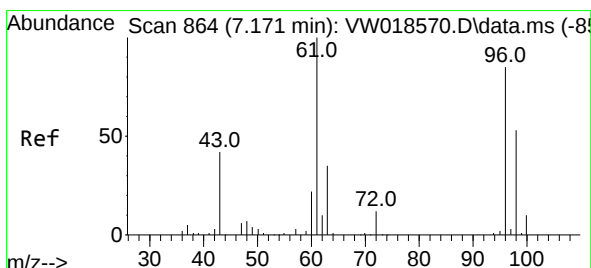
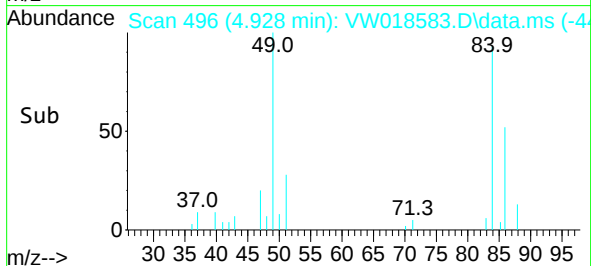
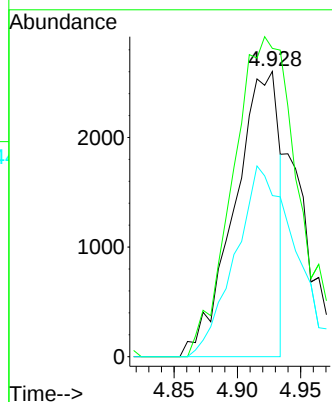
#16
Methylene chloride
Concen: 0.74 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.012 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 84 Resp: 6398

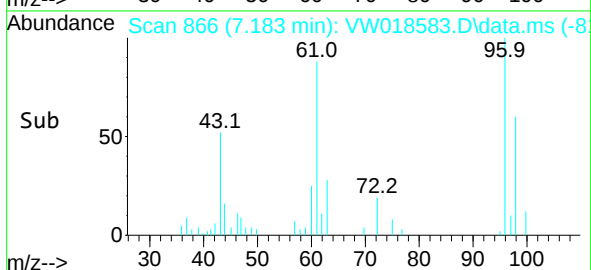
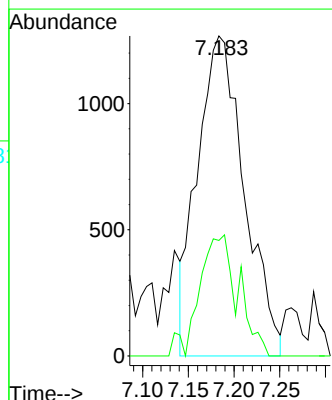
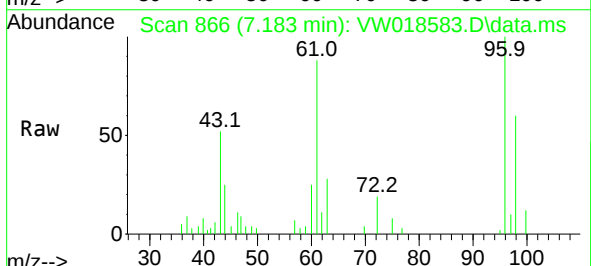
Ion	Ratio	Lower	Upper
84	100		
49	108.1	74.4	138.2
86	56.5	46.1	85.7

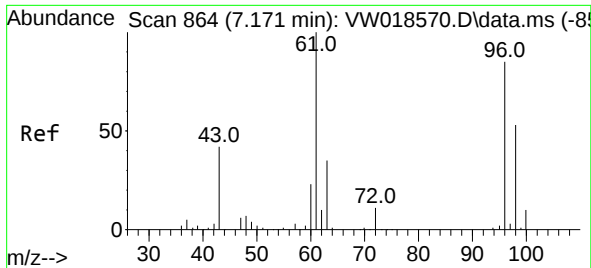


#21
2-Butanone
Concen: 2.41 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06

Tgt Ion: 43 Resp: 4527

Ion	Ratio	Lower	Upper
43	100		
72	24.1	16.5	49.5

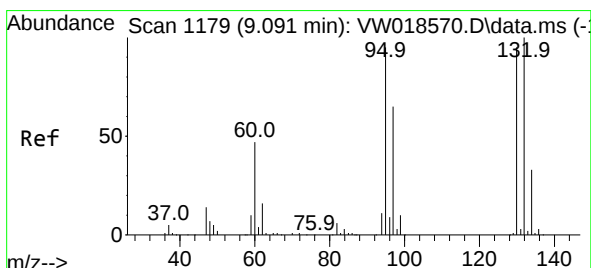
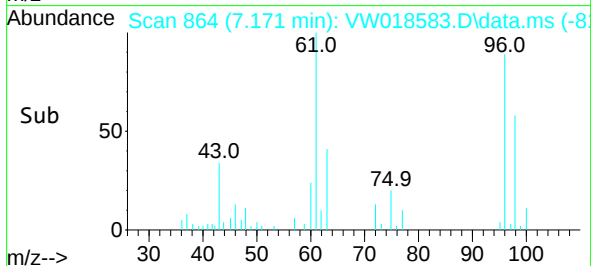
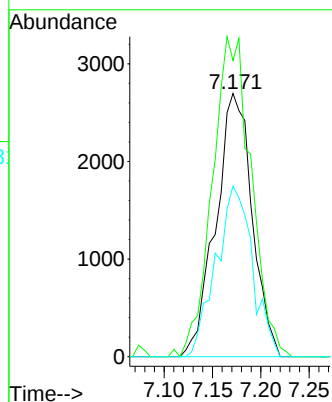
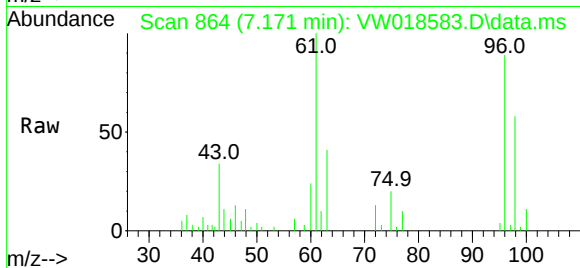




#22
cis-1,2-Dichloroethene
Concen: 0.91 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06

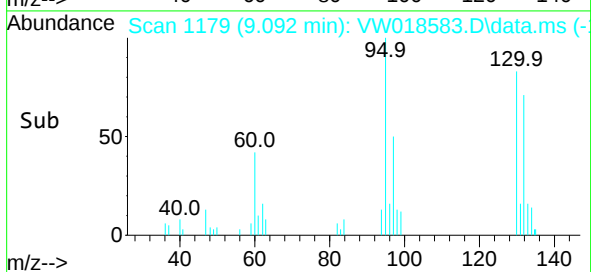
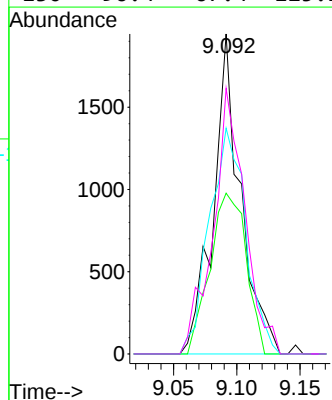
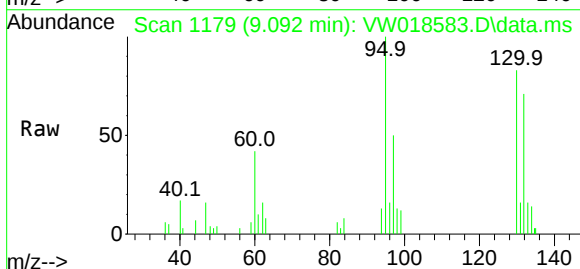
Instrument :
MSVOA_W
ClientSampled :

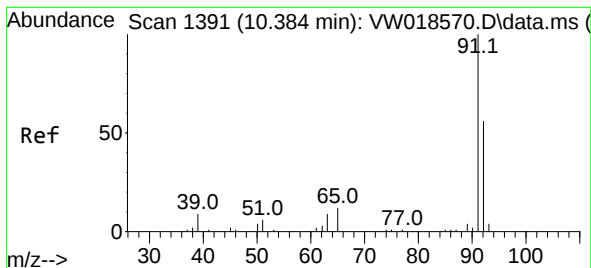
Tgt Ion:	96	Resp:	7057
Ion	Ratio	Lower	Upper
96	100		
61	112.5	84.8	157.6
98	64.8	45.1	83.9



#35
Trichloroethene
Concen: 0.42 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06

Tgt Ion:	95	Resp:	2919
Ion	Ratio	Lower	Upper
95	100		
97	66.7	44.4	82.4
132	94.2	65.9	122.5
130	96.4	67.4	125.2





#44

Toluene

Concen: 0.29 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW018583.D

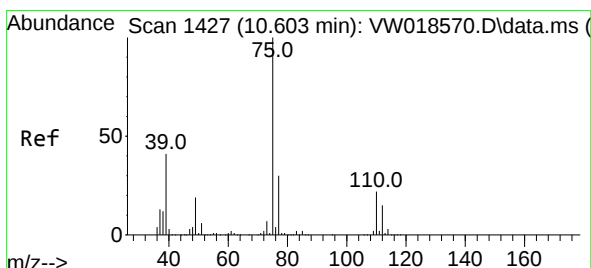
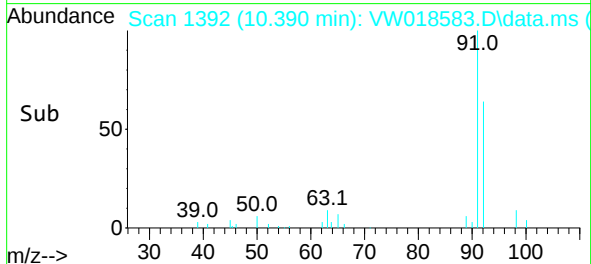
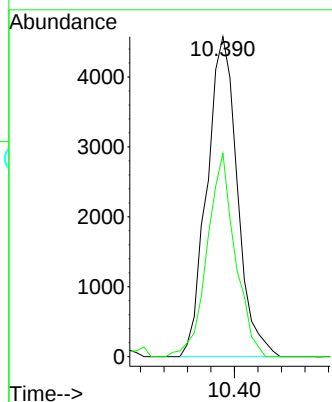
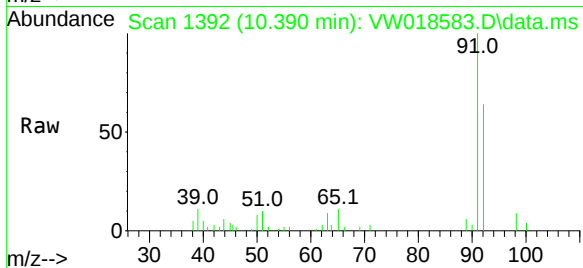
Acq: 07 Apr 2021 16:06

Tgt Ion: 91 Resp: 8238

Ion Ratio Lower Upper

91 100

92 63.5 42.3 78.5



#45

trans-1,3-Dichloropropene

Concen: 0.32 ug/L

RT: 10.579 min Scan# 1423

Delta R.T. -0.024 min

Lab File: VW018583.D

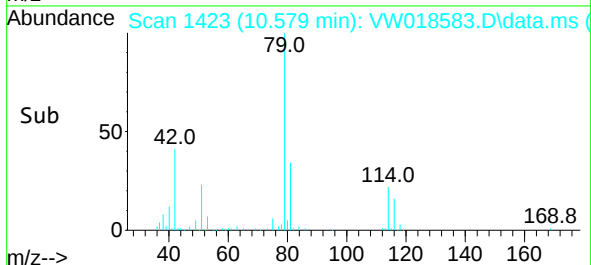
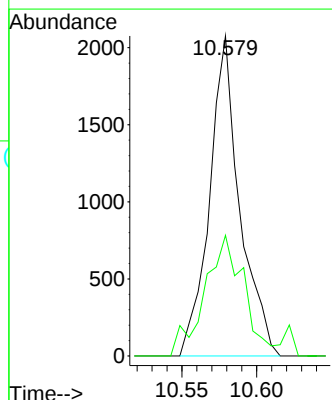
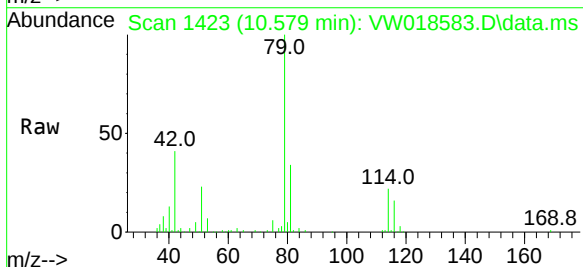
Acq: 07 Apr 2021 16:06

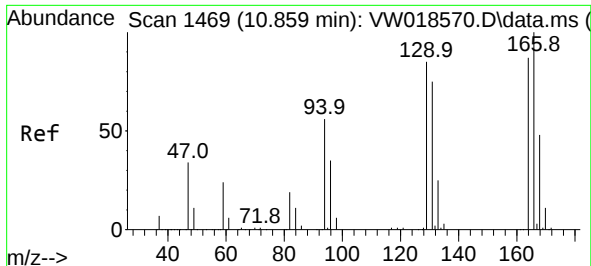
Tgt Ion: 75 Resp: 2923

Ion Ratio Lower Upper

75 100

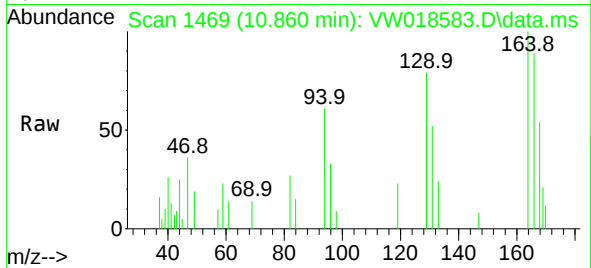
77 37.7 22.6 42.0





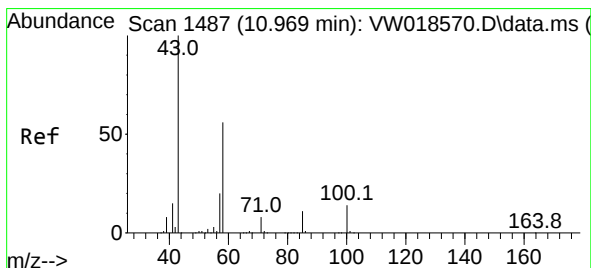
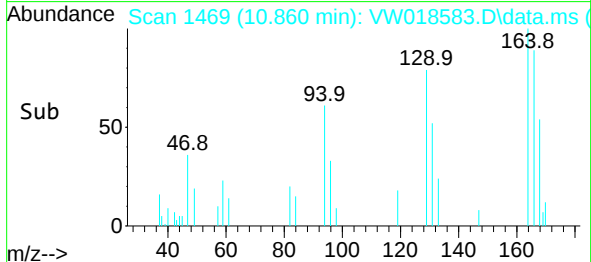
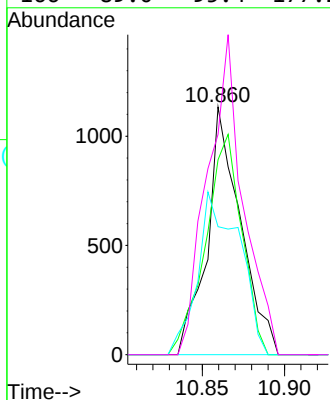
#47
Tetrachloroethene
Concen: 0.31 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06

Instrument :
MSVOA_W
ClientSampled :

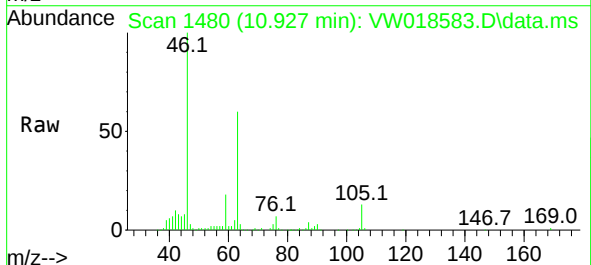


Tgt Ion:164 Resp: 1610

Ion	Ratio	Lower	Upper
164	100		
129	78.7	68.8	127.8
131	51.7	68.3	126.8#
166	89.0	95.4	177.2#

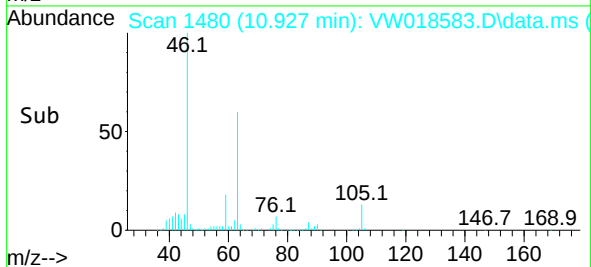
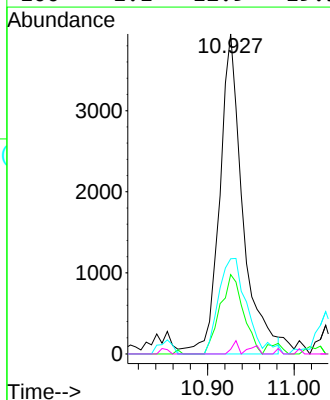


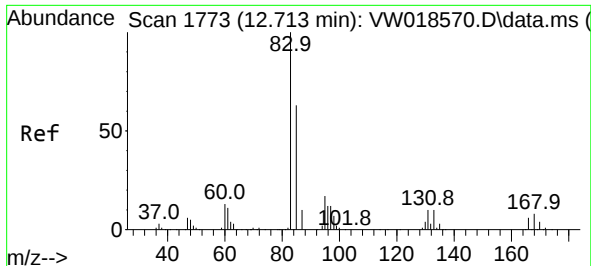
#49
2-Hexanone
Concen: 2.80 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06



Tgt Ion: 43 Resp: 7294

Ion	Ratio	Lower	Upper
43	100		
58	25.0	47.3	70.9#
57	34.7	17.3	25.9#
100	1.1	12.9	19.3#

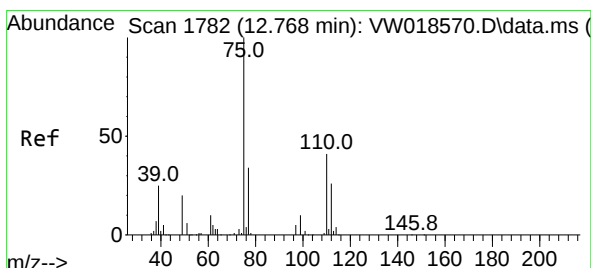
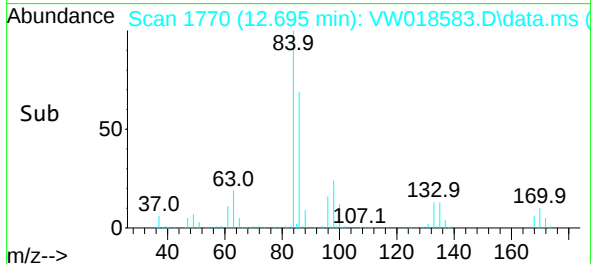
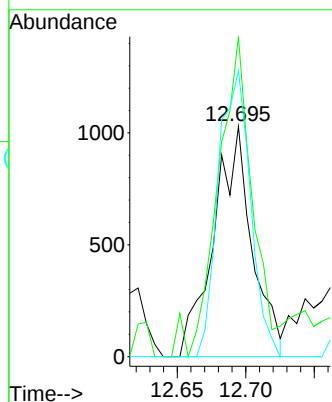
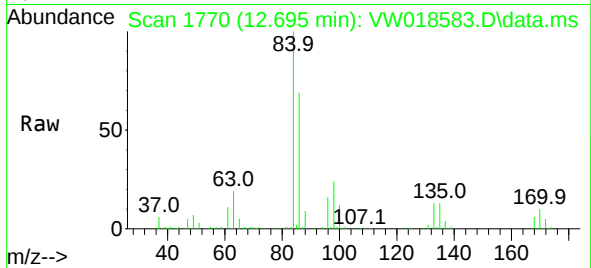




#58
1,1,2,2-Tetrachloroethane
Concen: 0.34 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 83 Resp: 2001
Ion Ratio Lower Upper
83 100
85 139.0 49.0 91.0#
131 124.1 8.7 13.1#



#59
1,2,3-Trichloropropane
Concen: 4.77 ug/L
RT: 13.560 min Scan# 1912
Delta R.T. 0.793 min
Lab File: VW018583.D
Acq: 07 Apr 2021 16:06

Tgt Ion: 75 Resp: 21247
Ion Ratio Lower Upper
75 100
77 37.8 25.6 38.4

