

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
 Data File : VW018393.D
 Acq On : 19 Mar 2021 16:52
 Operator : SY/VA
 Sample : M1685-22
 Misc : 5.92G/10ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4H0

Quant Time: Mar 20 01:42:50 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)

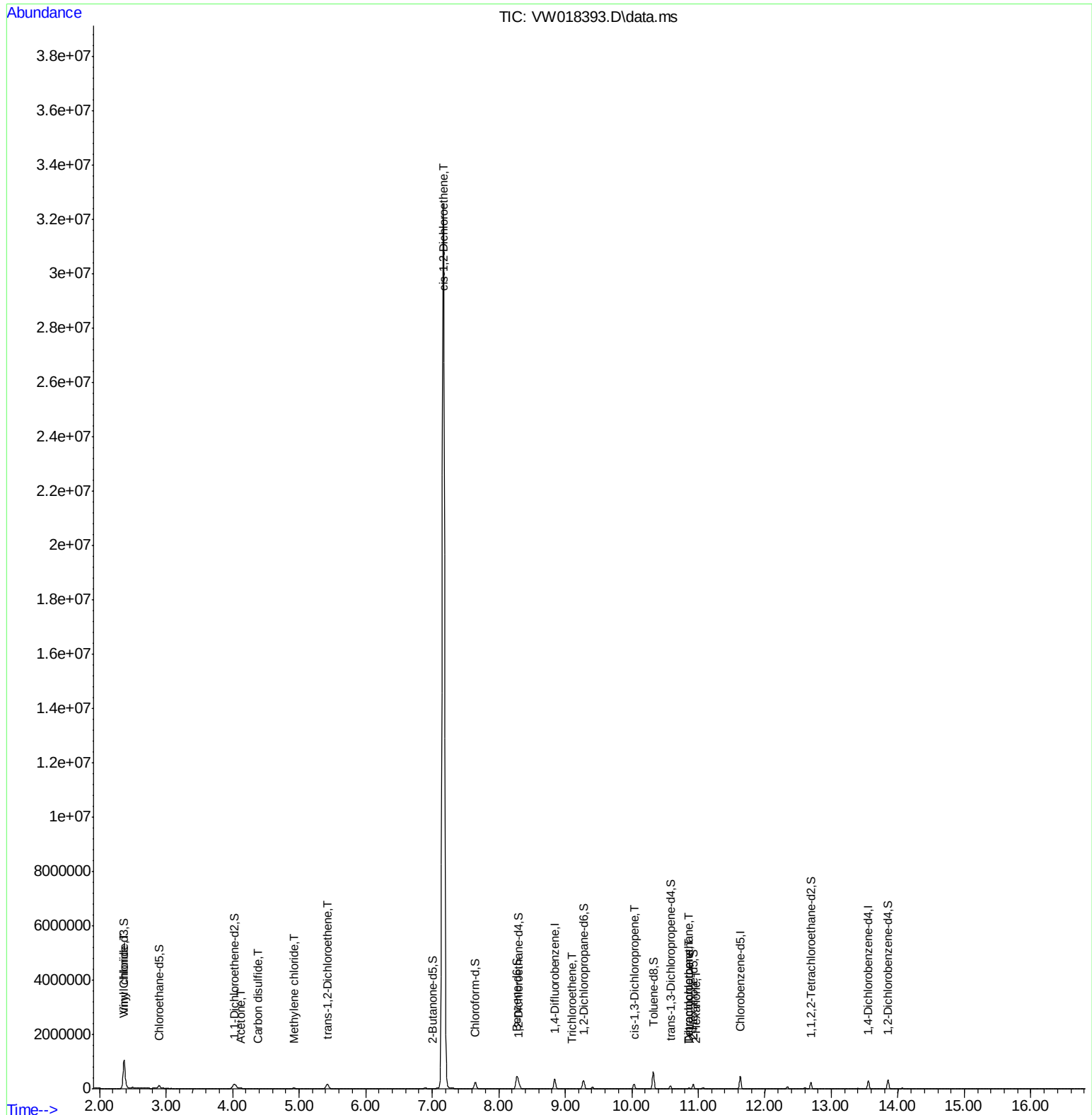
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	312638	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	243369	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	74509	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	166242	38.21	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 152.84%#			
7) Chloroethane-d5	2.892	69	137273	36.05	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 144.20%			
10) 1,1-Dichloroethene-d2	4.025	63	189541	25.23	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 100.92%			
20) 2-Butanone-d5	7.001	46	214	0.22	ug/L	-0.07
Spiked Amount 50.000	Range 20 - 135		Recovery = 0.44%#			
24) Chloroform-d	7.647	84	240317	30.18	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 120.72%			
26) 1,2-Dichloroethane-d4	8.305	65	148235	31.89	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 127.56%			
29) Benzene-d6	8.275	84	471753	36.46	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 145.84%#			
33) 1,2-Dichloropropane-d6	9.275	67	138772	37.18	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 148.72%#			
37) Toluene-d8	10.323	98	411011	32.99	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 131.96%#			
38) trans-1,3-Dichloroprop...	10.579	79	56808	29.52	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 118.08%			
39) 2-Hexanone-d5	10.927	63	55666	76.22	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 152.44%#			
48) 1,1,2,2-Tetrachloroeth...	12.689	84	109622	32.84	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 131.36%#			
61) 1,2-Dichlorobenzene-d4	13.853	152	81808	30.88	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 123.52%#			
Target Compounds						Qvalue
5) Vinyl chloride	2.367	62	1286381	216.43	ug/L	98
13) Acetone	4.123	43	53682	77.15	ug/L	93
14) Carbon disulfide	4.379	76	12317	1.04	ug/L #	92
16) Methylene chloride	4.922	84	20335	3.97	ug/L	90
18) trans-1,2-Dichloroethene	5.428	96	113460	26.19	ug/L	98
22) cis-1,2-Dichloroethene	7.171	96	18024809	3955.37	ug/L	95
35) Trichloroethene	9.098	95	1933	0.50	ug/L	97
42) cis-1,3-Dichloropropene	10.037	75	4823	0.83	ug/L	91
47) Tetrachloroethene	10.860	164	4158	1.41	ug/L	91
49) 2-Hexanone	10.969	43	6080	4.14	ug/L #	87
50) Dibromochloromethane	10.860	129	3978	1.23	ug/L #	8

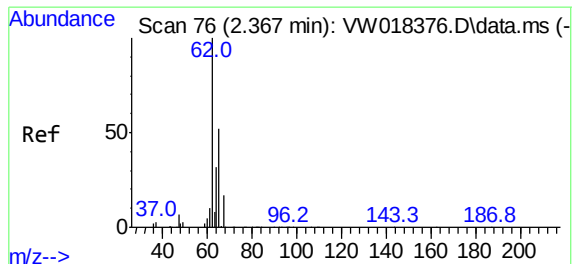
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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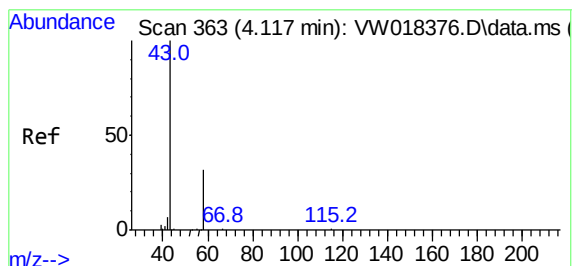
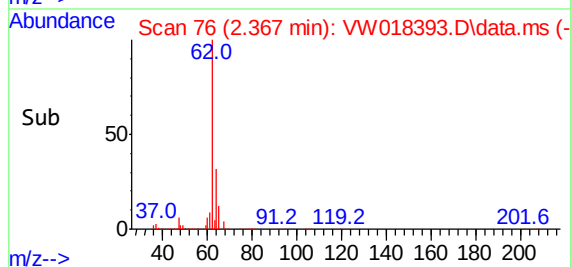
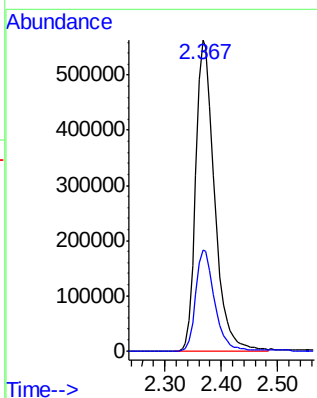
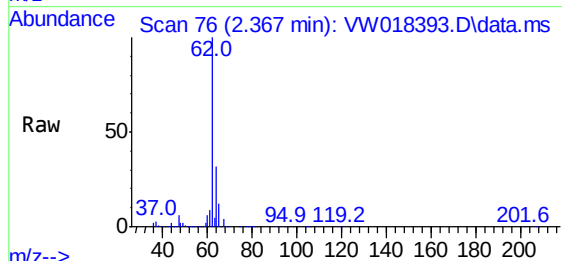




#5
 Vinyl chloride
 Concen: 216.43 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VW018393.D
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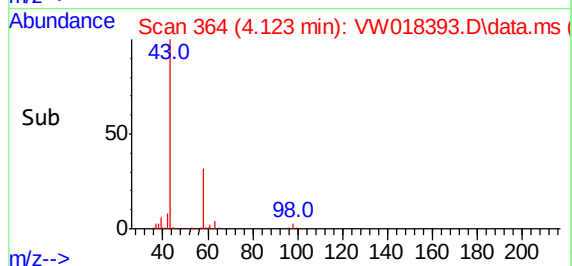
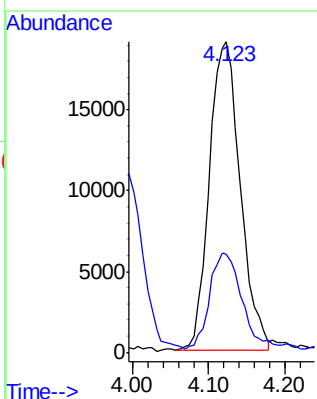
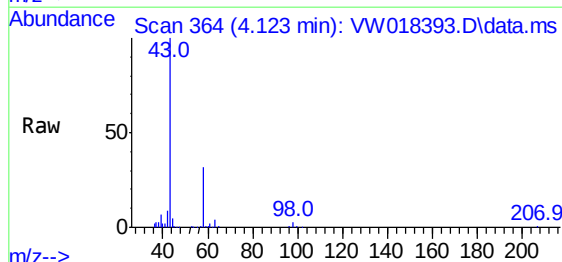
Instrument :
 MSVOA_W
 ClientSampleId :
 BG4H0

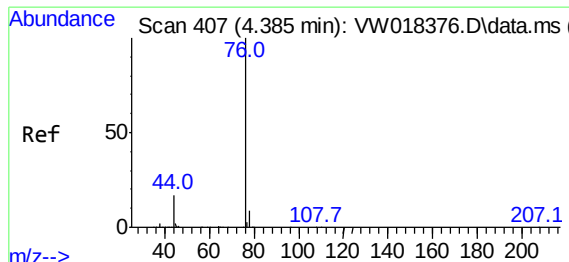
Tgt Ion: 62 Resp: 1286381
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.5 43.7



#13
 Acetone
 Concen: 77.15 ug/L
 RT: 4.123 min Scan# 364
 Delta R.T. 0.006 min
 Lab File: VW018393.D
 Acq: 19 Mar 2021 16:52

Tgt Ion: 43 Resp: 53682
 Ion Ratio Lower Upper
 43 100
 58 34.7 0.0 62.2





#14

Carbon disulfide

Concen: 1.04 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW018393.D

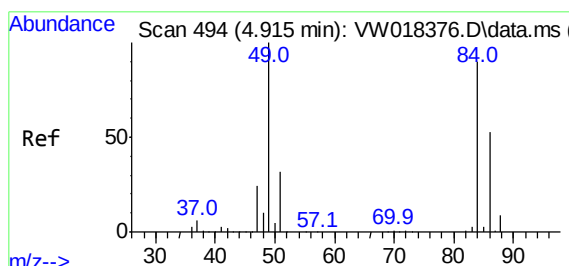
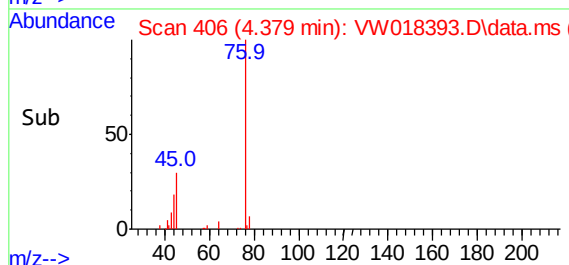
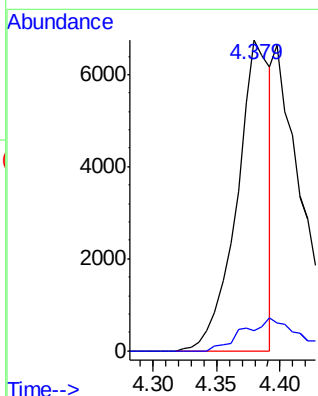
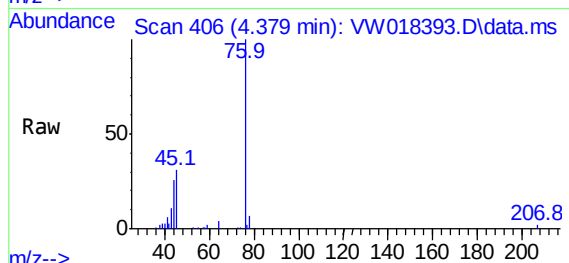
Acq: 19 Mar 2021 16:52

Tgt Ion: 76 Resp: 12317

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.2#



#16

Methylene chloride

Concen: 3.97 ug/L

RT: 4.922 min Scan# 495

Delta R.T. 0.006 min

Lab File: VW018393.D

Acq: 19 Mar 2021 16:52

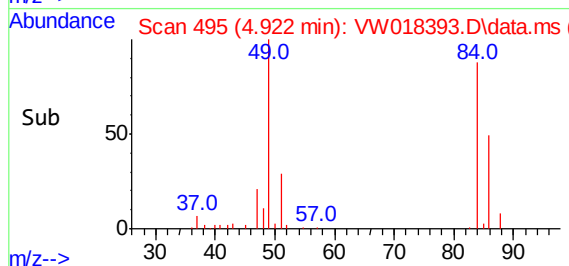
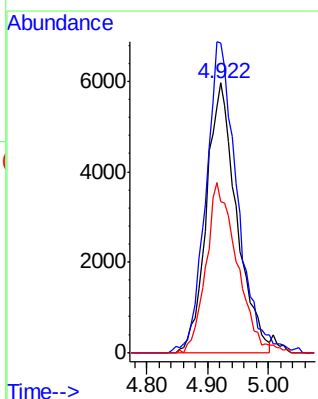
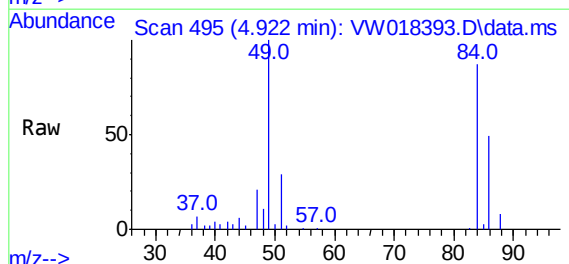
Tgt Ion: 84 Resp: 20335

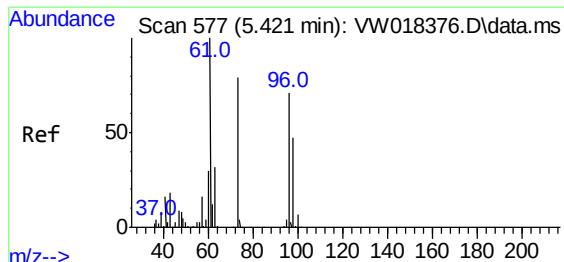
Ion Ratio Lower Upper

84 100

49 115.1 74.4 138.2

86 56.0 46.1 85.7

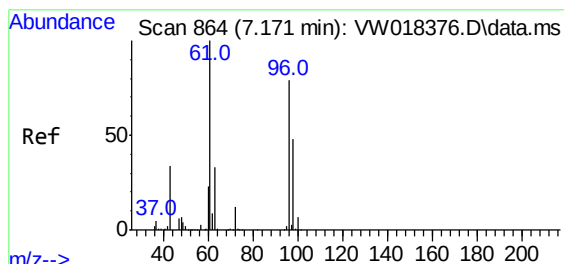
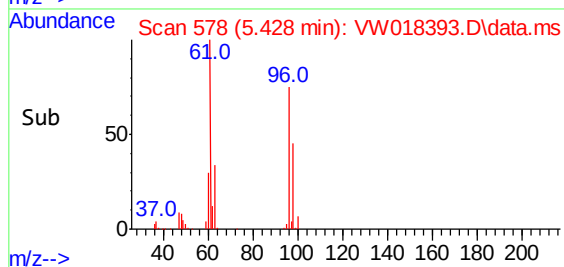
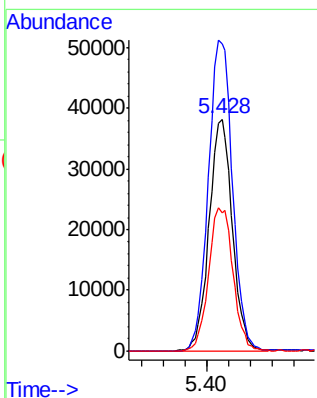
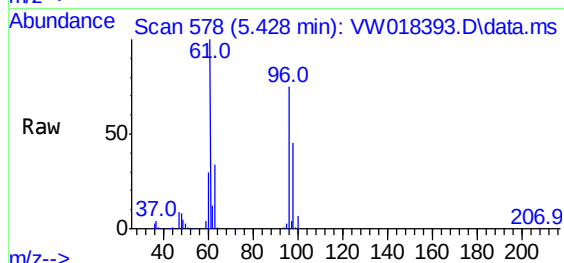




#18
trans-1,2-Dichloroethene
Concen: 26.19 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018393.D
Acq: 19 Mar 2021 16:52

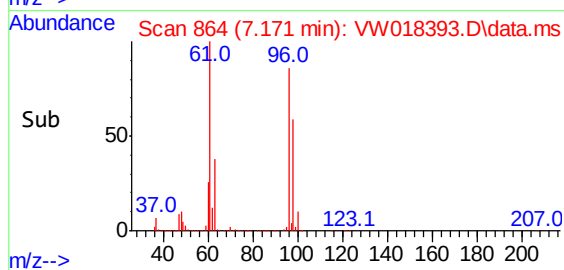
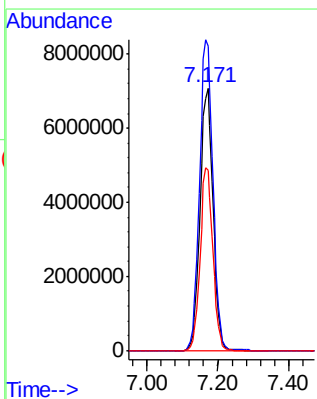
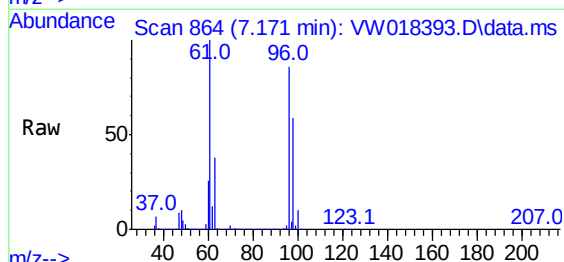
Instrument :
MSVOA_W
ClientSampleId :
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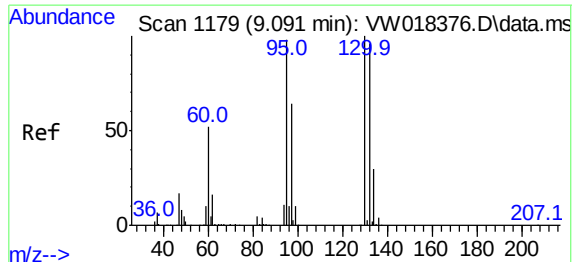
Tgt Ion: 96 Resp: 113460
Ion Ratio Lower Upper
96 100
61 132.6 93.3 173.3
98 59.7 45.2 84.0



#22
cis-1,2-Dichloroethene
Concen: 3955.37 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW018393.D
Acq: 19 Mar 2021 16:52

Tgt Ion: 96 Resp:18024809
Ion Ratio Lower Upper
96 100
61 116.1 84.8 157.6
98 68.5 45.1 83.9



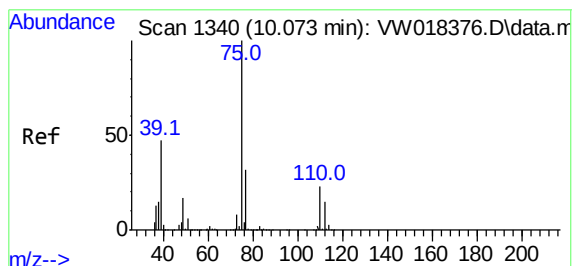
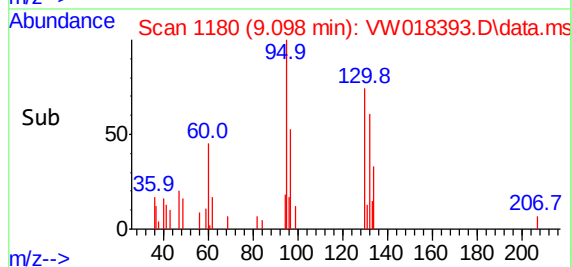
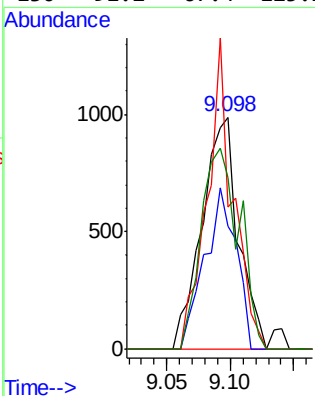
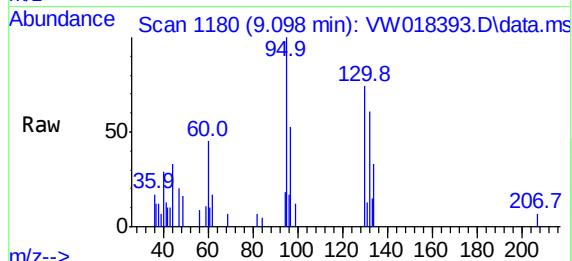


#35
Trichloroethene
Concen: 0.50 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW018393.D
Acq: 19 Mar 2021 16:52

Instrument :
MSVOA_W
ClientSampleId :
BG4H0

Tgt Ion: 95 Resp: 1933

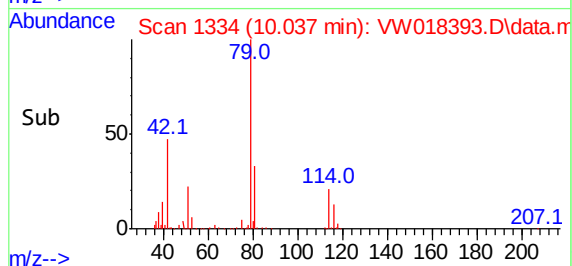
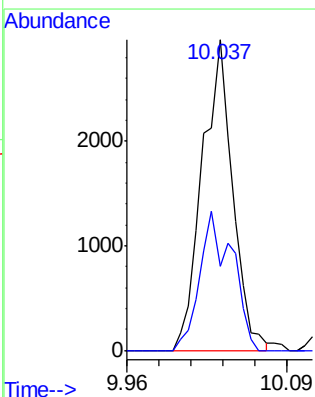
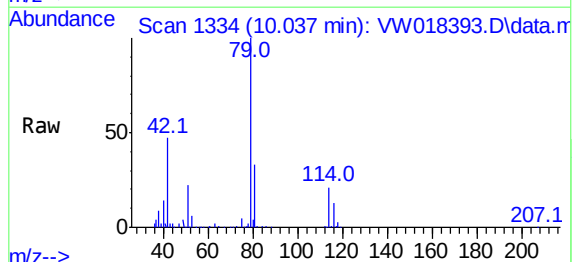
Ion	Ratio	Lower	Upper
95	100		
97	59.6	44.4	82.4
132	94.5	65.9	122.5
130	91.2	67.4	125.2

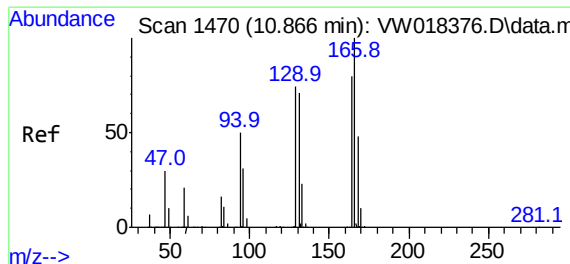


#42
cis-1,3-Dichloropropene
Concen: 0.83 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018393.D
Acq: 19 Mar 2021 16:52

Tgt Ion: 75 Resp: 4823

Ion	Ratio	Lower	Upper
75	100		
77	26.9	22.4	41.6

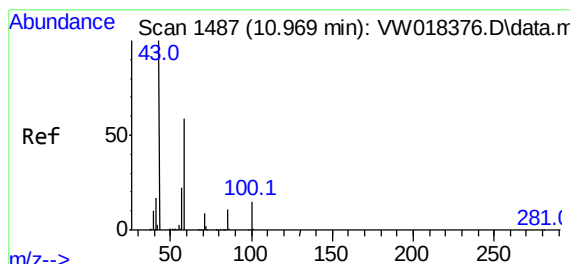
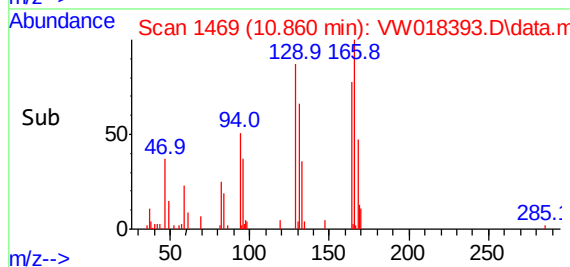
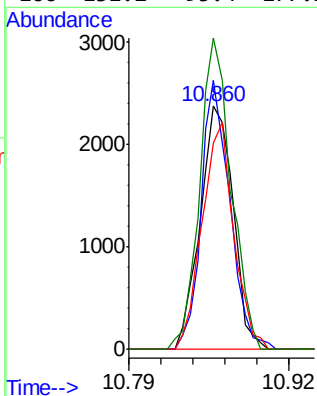
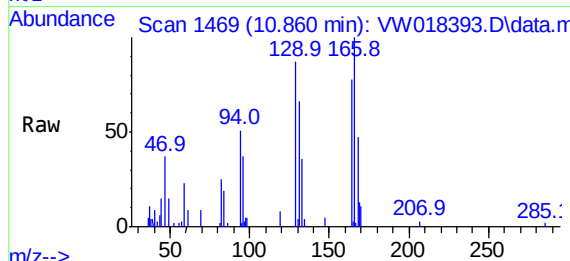




#47
Tetrachloroethene
Concen: 1.41 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018393.D
Acq: 19 Mar 2021 16:52

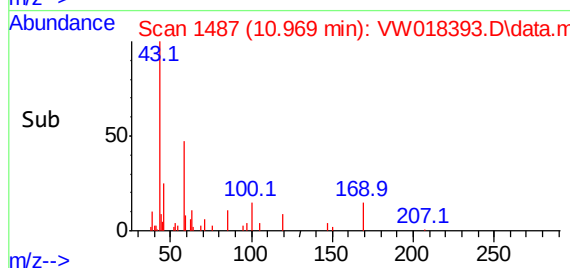
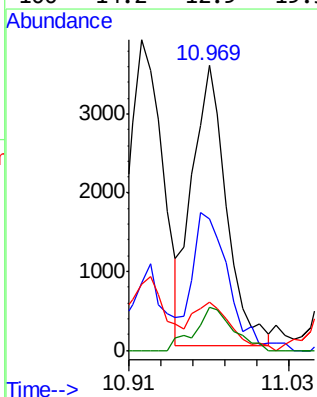
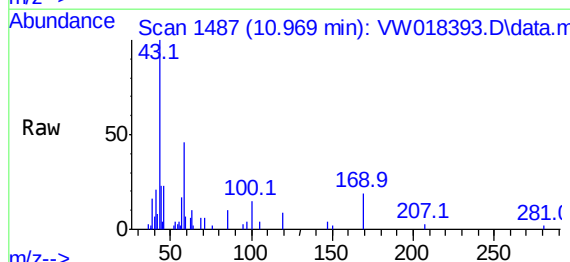
Instrument :
MSVOA_W
ClientSampleId :
BG4H0

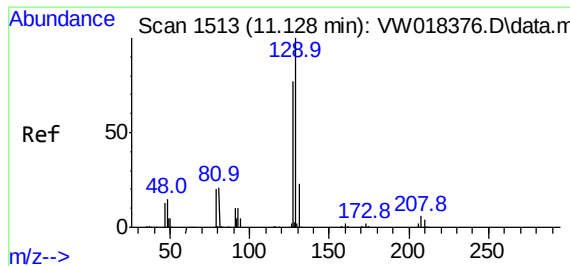
Tgt Ion:164 Resp: 4158
Ion Ratio Lower Upper
164 100
129 111.0 68.8 127.8
131 85.1 68.3 126.8
166 131.2 95.4 177.2



#49
2-Hexanone
Concen: 4.14 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW018393.D
Acq: 19 Mar 2021 16:52

Tgt Ion: 43 Resp: 6080
Ion Ratio Lower Upper
43 100
58 46.4 47.3 70.9#
57 18.2 17.3 25.9
100 14.2 12.9 19.3





#50
 Dibromochloromethane
 Concen: 1.23 ug/L
 RT: 10.860 min Scan# 1469
 Delta R.T. -0.268 min
 Lab File: VW018393.D
 Acq: 19 Mar 2021 16:52

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4H0

Tgt Ion:129 Resp: 3978
 Ion Ratio Lower Upper
 129 100
 127 0.0 58.0 107.6#

