

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
 Data File : VW018462.D
 Acq On : 26 Mar 2021 11:17
 Operator : SY/VA
 Sample : M1784-18
 Misc : 5.13G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4X9

Quant Time: Mar 29 09:12:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 27 01:30:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	72495	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	60977	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	27161	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	22120	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
7) Chloroethane-d5	2.885	69	22615	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.44%
10) 1,1-Dichloroethene-d2	4.026	63	30068	17.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.04%
20) 2-Butanone-d5	7.092	46	6327	28.17	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.34%
24) Chloroform-d	7.653	84	38361	20.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.12%
26) 1,2-Dichloroethane-d4	8.305	65	20591	19.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.40%
29) Benzene-d6	8.275	84	73345	22.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.52%
33) 1,2-Dichloropropane-d6	9.275	67	20290	21.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.80%
37) Toluene-d8	10.323	98	63482	20.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.36%
38) trans-1,3-Dichloroprop...	10.579	79	7980	16.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.20%
39) 2-Hexanone-d5	10.927	63	5471	29.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.80%
48) 1,1,2,2-Tetrachloroeth...	12.695	84	14441	17.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	69.04%
61) 1,2-Dichlorobenzene-d4	13.853	152	19777	20.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.92%

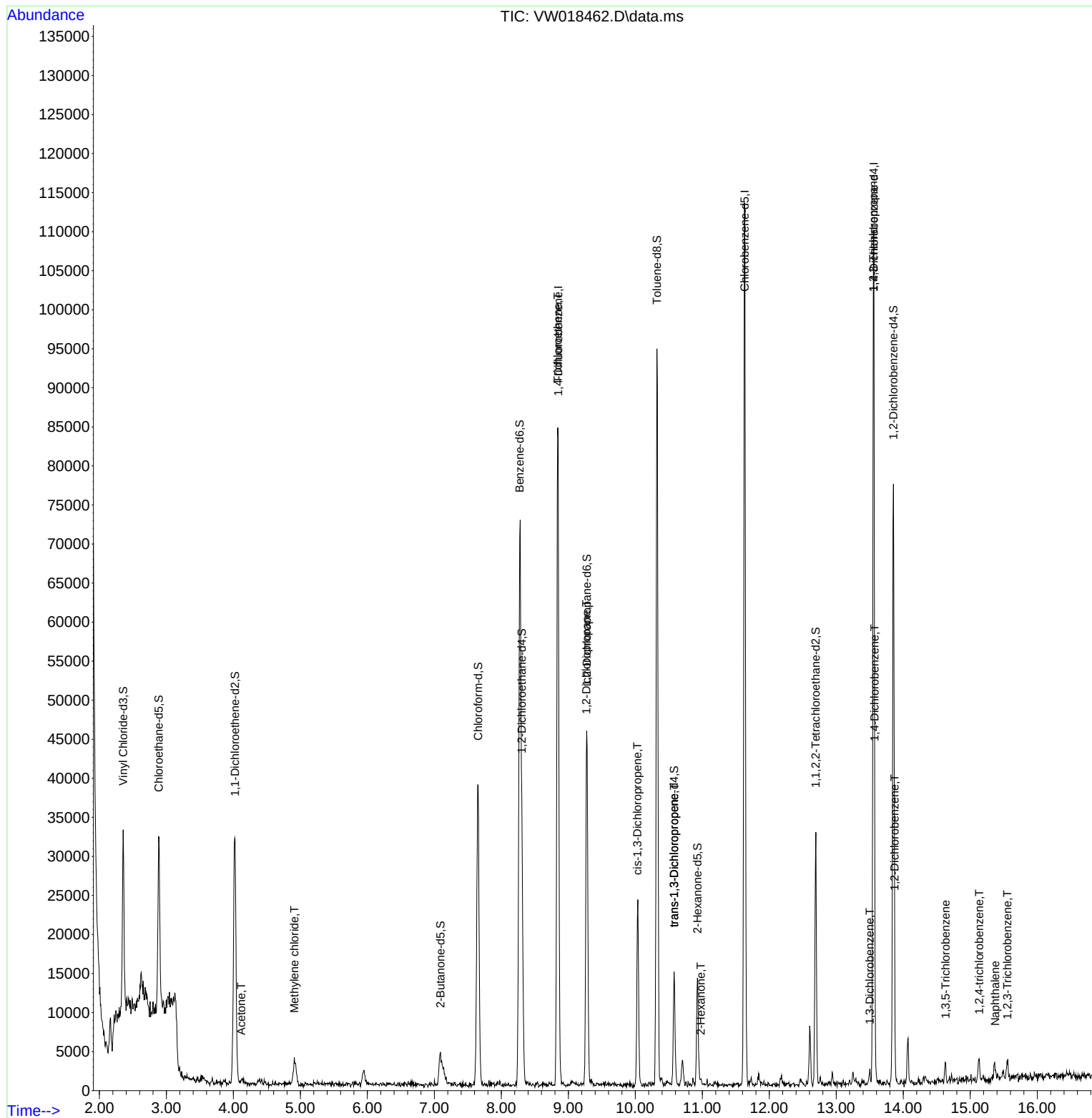
Target Compounds					Qvalue
13) Acetone	4.117	43	331	2.05	ug/L 75
16) Methylene chloride	4.910	84	1700	1.43	ug/L 89
35) Trichloroethene	8.842	95	2446	2.51	ug/L # 7
40) 1,2-Dichloropropane	9.268	63	2801	3.24	ug/L # 84
42) cis-1,3-Dichloropropene	10.031	75	766	0.52	ug/L # 66
45) trans-1,3-Dichloropropene	10.579	75	558	0.43	ug/L 98
49) 2-Hexanone	10.975	43	176	0.48	ug/L # 35
59) 1,2,3-Trichloropropane	13.554	75	3978	6.32	ug/L 96
63) 1,3-Dichlorobenzene	13.499	146	732	0.42	ug/L # 75
64) 1,4-Dichlorobenzene	13.573	146	726	0.41	ug/L # 58
65) 1,2-Dichlorobenzene	13.871	146	645	0.42	ug/L # 65
67) 1,3,5-Trichlorobenzene	14.633	180	1066	0.85	ug/L # 30
68) 1,2,4-trichlorobenzene	15.133	180	1043	0.98	ug/L # 88
69) Naphthalene	15.371	128	1622	0.73	ug/L # 88
70) 1,2,3-Trichlorobenzene	15.554	180	852	0.92	ug/L # 83

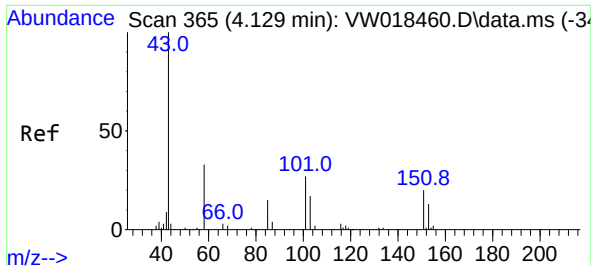
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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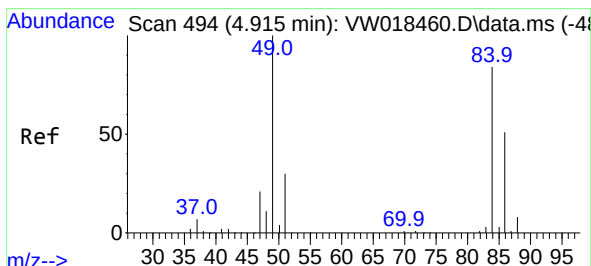
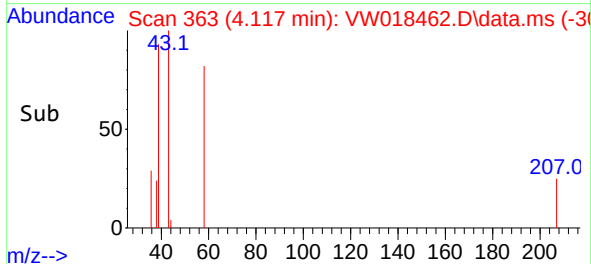
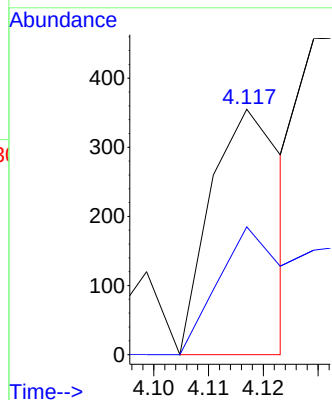
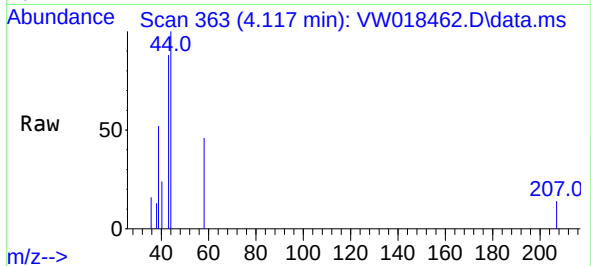




#13
Acetone
Concen: 2.05 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.000 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

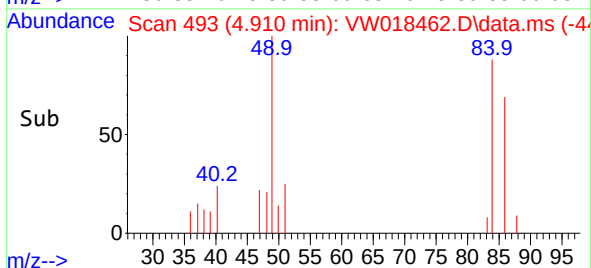
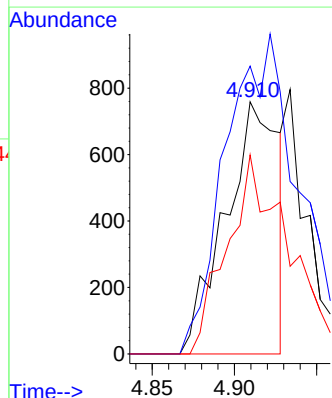
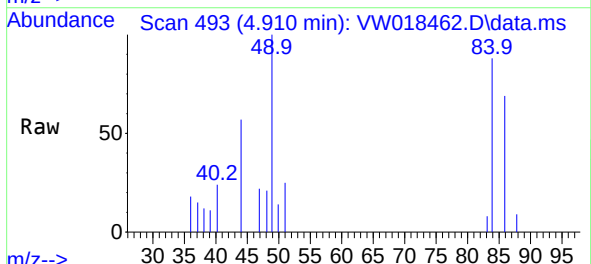
Instrument :
MSVOA_W
ClientSampled :
BG4X9

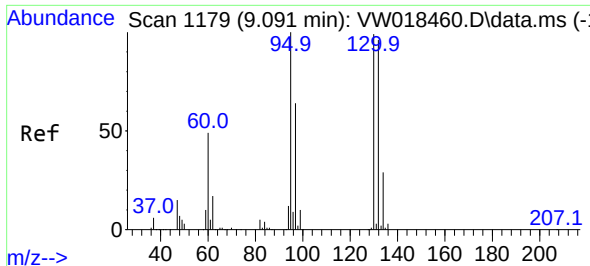
Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 45.0 0.0 62.2



#16
Methylene chloride
Concen: 1.43 ug/L
RT: 4.910 min Scan# 493
Delta R.T. -0.012 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

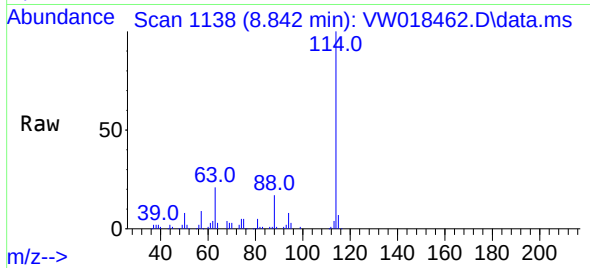
Tgt Ion: 84 Resp: 1700
Ion Ratio Lower Upper
84 100
49 114.1 74.4 138.2
86 78.9 46.1 85.7



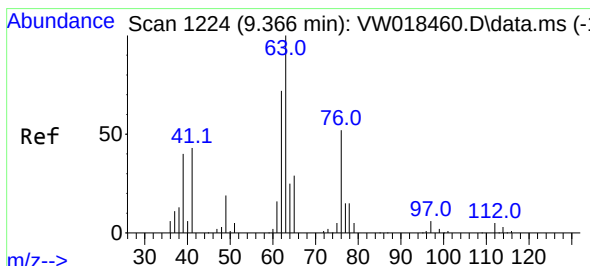
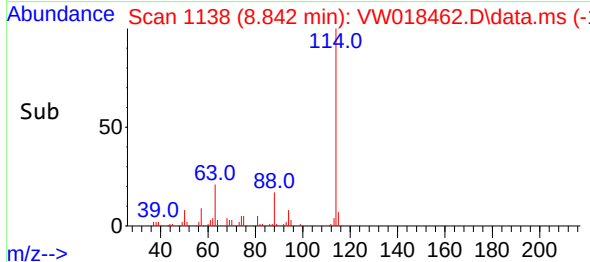
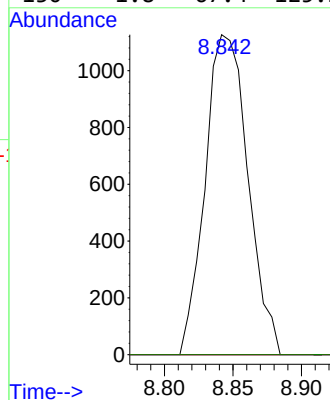


#35
 Trichloroethene
 Concen: 2.51 ug/L
 RT: 8.842 min Scan# 1138
 Delta R.T. -0.250 min
 Lab File: VW018462.D
 Acq: 26 Mar 2021 11:17

Instrument :
 MSVOA_W
 ClientSampled :
 BG4X9

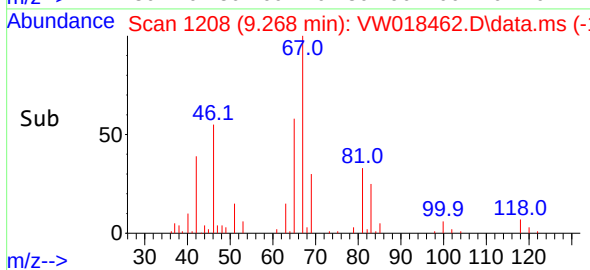
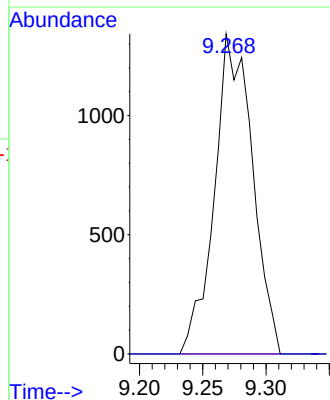
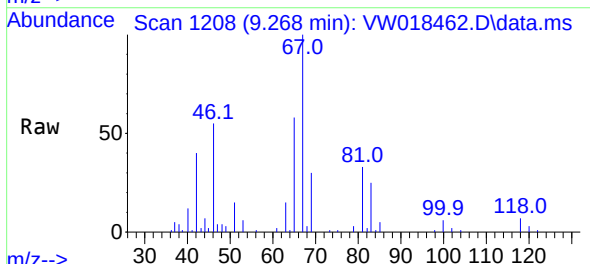


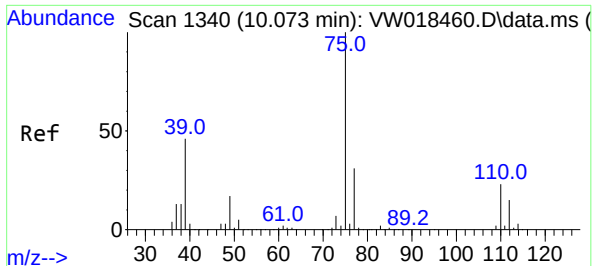
Tgt Ion: 95 Resp: 2446
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.4 82.4#
 132 0.0 65.9 122.5#
 130 1.8 67.4 125.2#



#40
 1,2-Dichloropropane
 Concen: 3.24 ug/L
 RT: 9.268 min Scan# 1208
 Delta R.T. -0.098 min
 Lab File: VW018462.D
 Acq: 26 Mar 2021 11:17

Tgt Ion: 63 Resp: 2801
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.4#

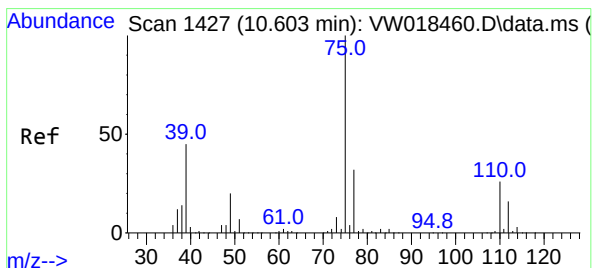
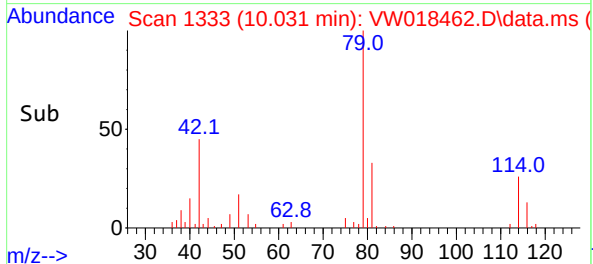
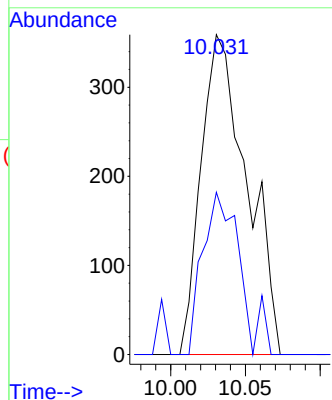
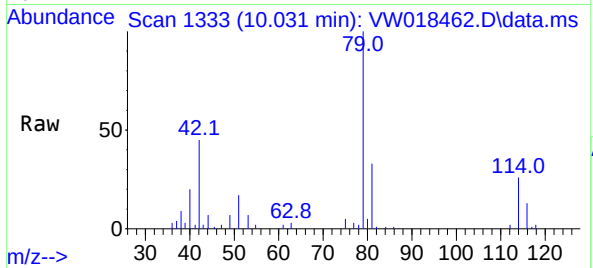




#42
cis-1,3-Dichloropropene
Concen: 0.52 ug/L
RT: 10.031 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

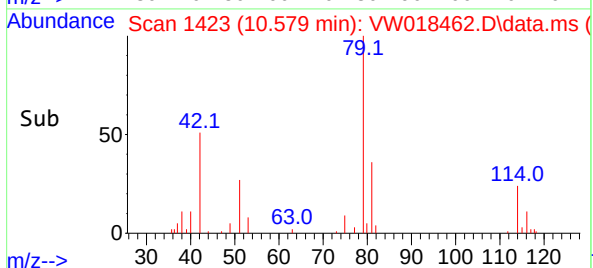
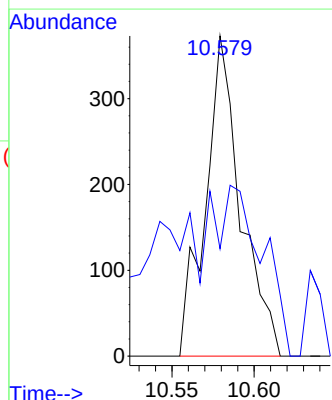
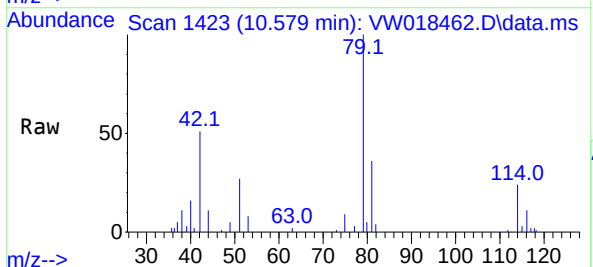
Instrument :
MSVOA_W
ClientSampled :
BG4X9

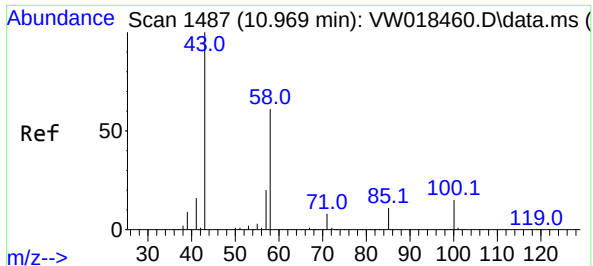
Tgt Ion: 75 Resp: 766
Ion Ratio Lower Upper
75 100
77 50.7 22.4 41.6#



#45
trans-1,3-Dichloropropene
Concen: 0.43 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

Tgt Ion: 75 Resp: 558
Ion Ratio Lower Upper
75 100
77 33.5 22.6 42.0

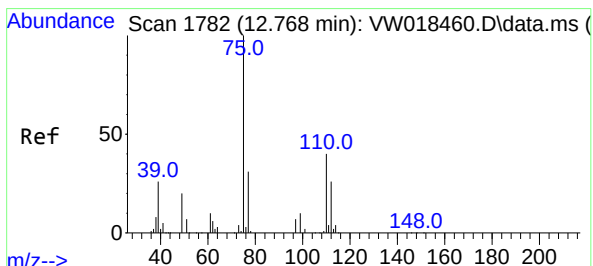
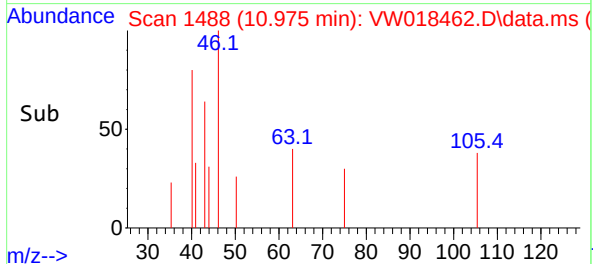
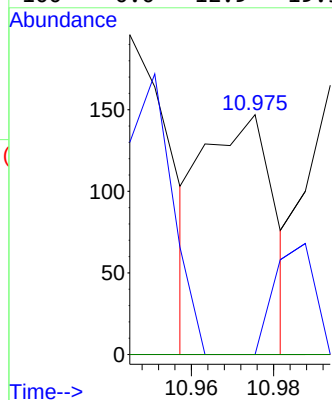
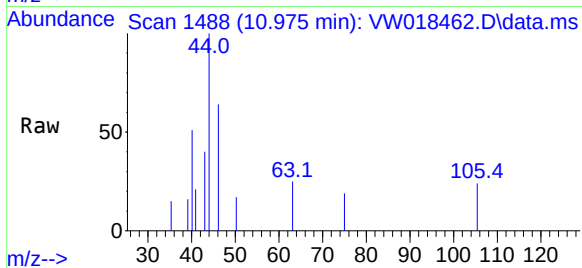




#49
2-Hexanone
Concen: 0.48 ug/L
RT: 10.975 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

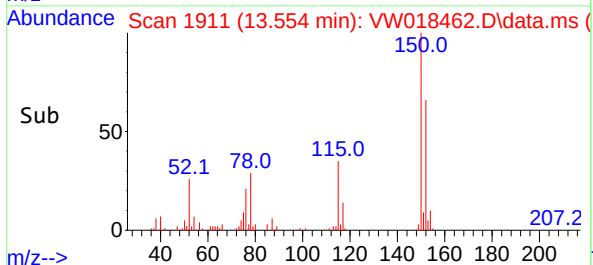
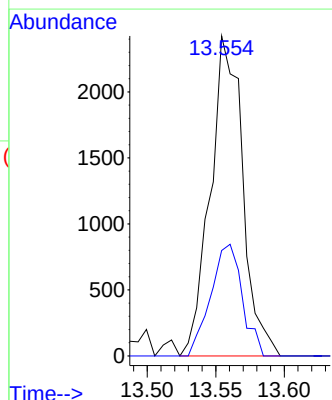
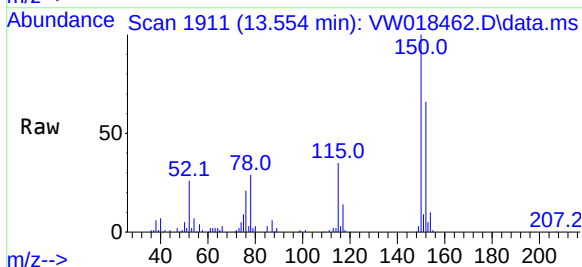
Instrument :
MSVOA_W
ClientSampled :
BG4X9

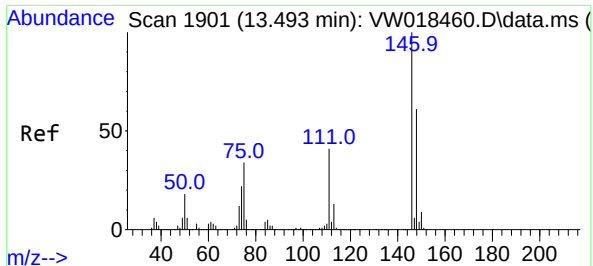
Tgt Ion:	43	Resp:	176
Ion	Ratio	Lower	Upper
43	100		
58	0.0	47.3	70.9#
57	0.0	17.3	25.9#
100	0.0	12.9	19.3#



#59
1,2,3-Trichloropropane
Concen: 6.32 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

Tgt Ion:	75	Resp:	3978
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.6	38.4

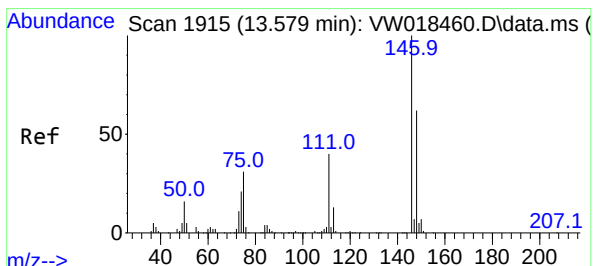
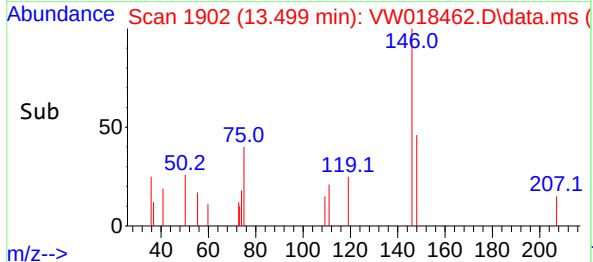
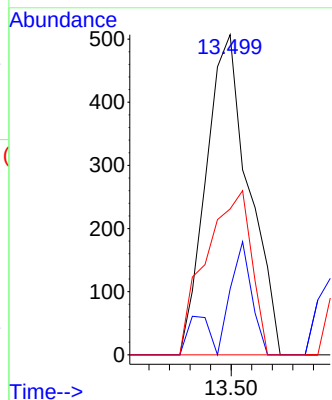
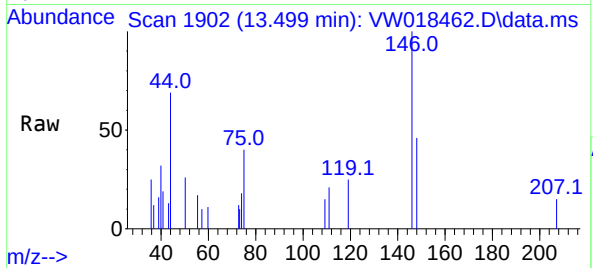




#63
1,3-Dichlorobenzene
Concen: 0.42 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

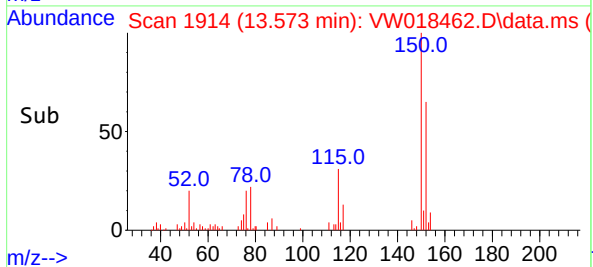
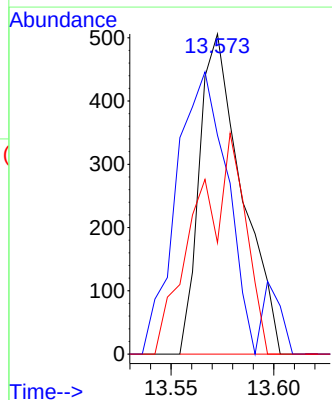
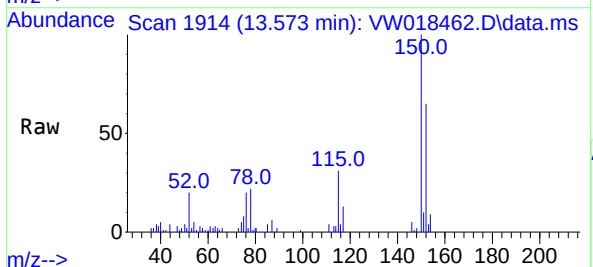
Instrument :
MSVOA_W
ClientSampled :
BG4X9

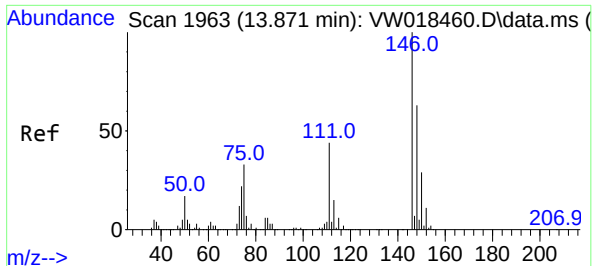
Tgt Ion:146 Resp: 732
Ion Ratio Lower Upper
146 100
111 20.5 27.5 51.1#
148 45.6 43.0 80.0



#64
1,4-Dichlorobenzene
Concen: 0.41 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

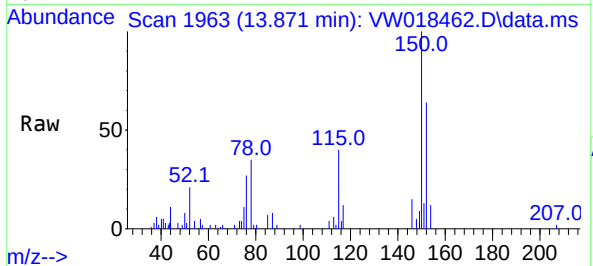
Tgt Ion:146 Resp: 726
Ion Ratio Lower Upper
146 100
111 68.4 28.3 52.5#
148 34.8 47.3 87.9#



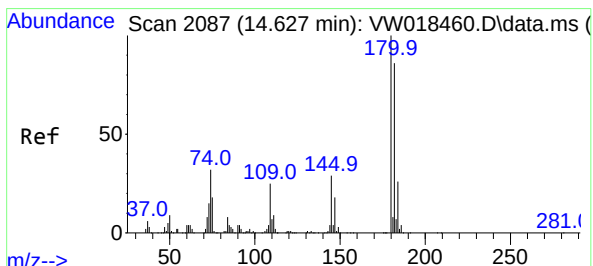
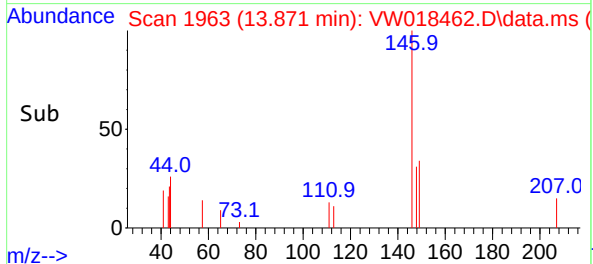
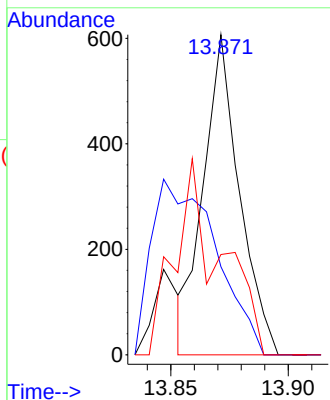


#65
1,2-Dichlorobenzene
Concen: 0.42 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

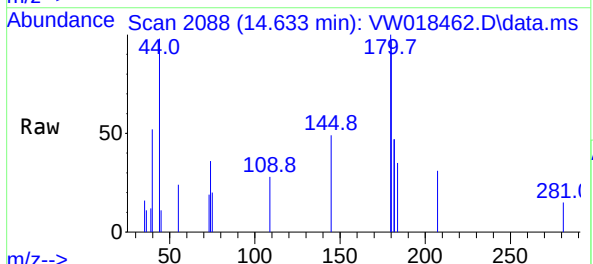
Instrument :
MSVOA_W
ClientSampled :
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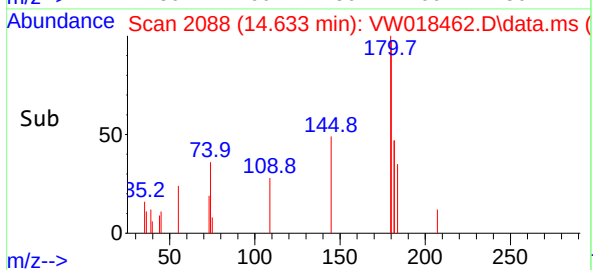
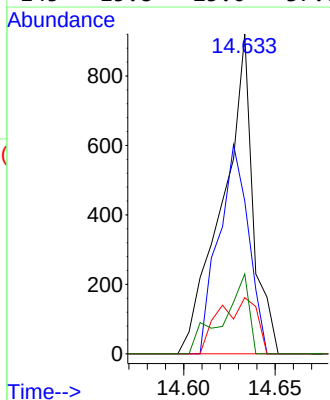
Tgt Ion:146 Resp: 645
Ion Ratio Lower Upper
146 100
111 27.5 36.0 54.0#
148 31.3 50.2 75.4#

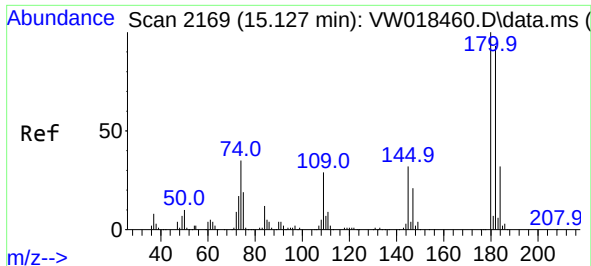


#67
1,3,5-Trichlorobenzene
Concen: 0.85 ug/L
RT: 14.633 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17



Tgt Ion:180 Resp: 1066
Ion Ratio Lower Upper
180 100
182 0.0 71.8 107.8#
184 10.2 23.5 35.3#
145 15.8 25.0 37.6#

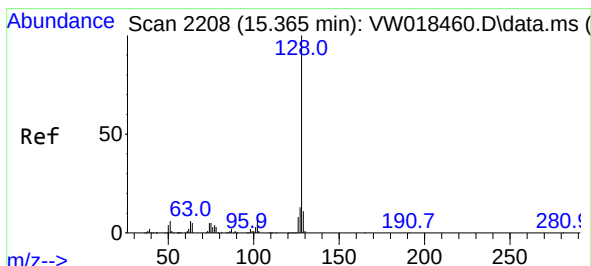
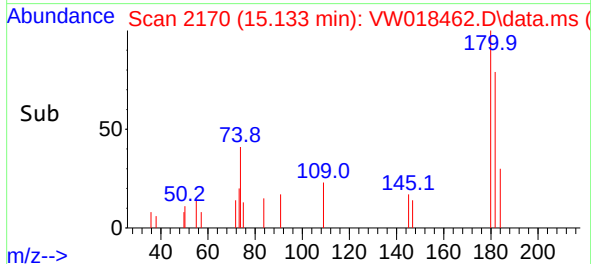
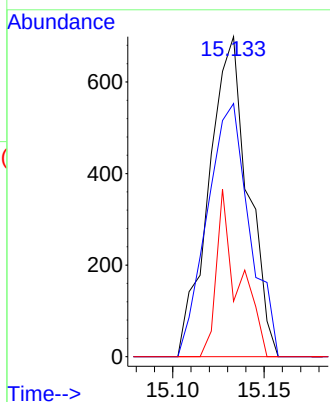
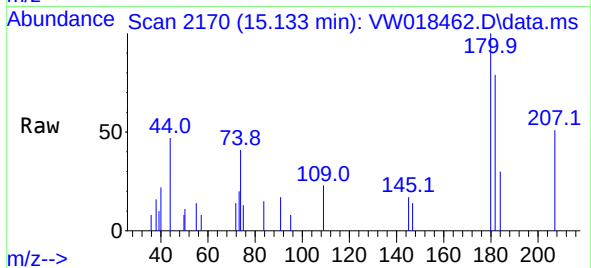




#68
1,2,4-trichlorobenzene
Concen: 0.98 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

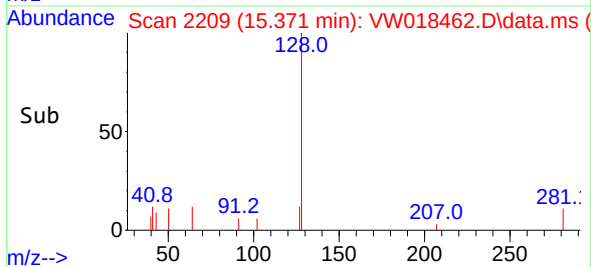
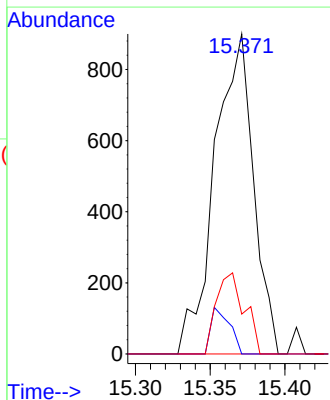
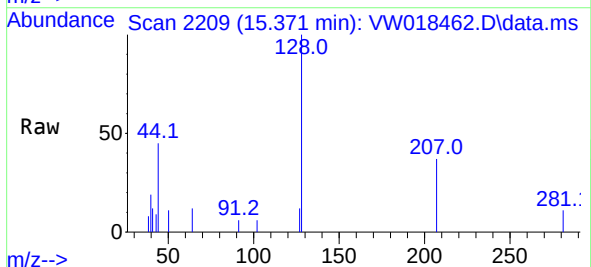
Instrument :
MSVOA_W
ClientSampleId :
BG4X9

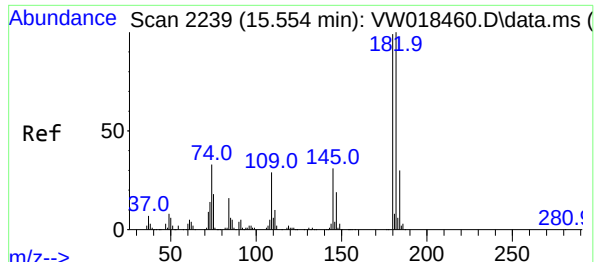
Tgt Ion:180 Resp: 1043
Ion Ratio Lower Upper
180 100
182 85.4 70.2 105.4
145 10.5 24.9 37.3#



#69
Naphthalene
Concen: 0.73 ug/L
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

Tgt Ion:128 Resp: 1622
Ion Ratio Lower Upper
128 100
129 7.0 9.1 13.7#
127 18.4 10.7 16.1#





#70
1,2,3-Trichlorobenzene
Concen: 0.92 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. 0.006 min
Lab File: VW018462.D
Acq: 26 Mar 2021 11:17

Instrument :
MSVOA_W
ClientSampleId :
BG4X9

Tgt Ion:	180	Resp:	852
Ion	Ratio	Lower	Upper
180	100		
182	108.9	76.5	114.7
145	19.8	27.7	41.5#

