

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040121\
 Data File : VW018520.D
 Acq On : 31 Mar 2021 18:22
 Operator : SY/VA
 Sample : M1859-13
 Misc : 4.96G/10ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG552

Quant Time: Apr 01 02:07:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 01 02:04:50 2021
 Response via : Initial Calibration

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

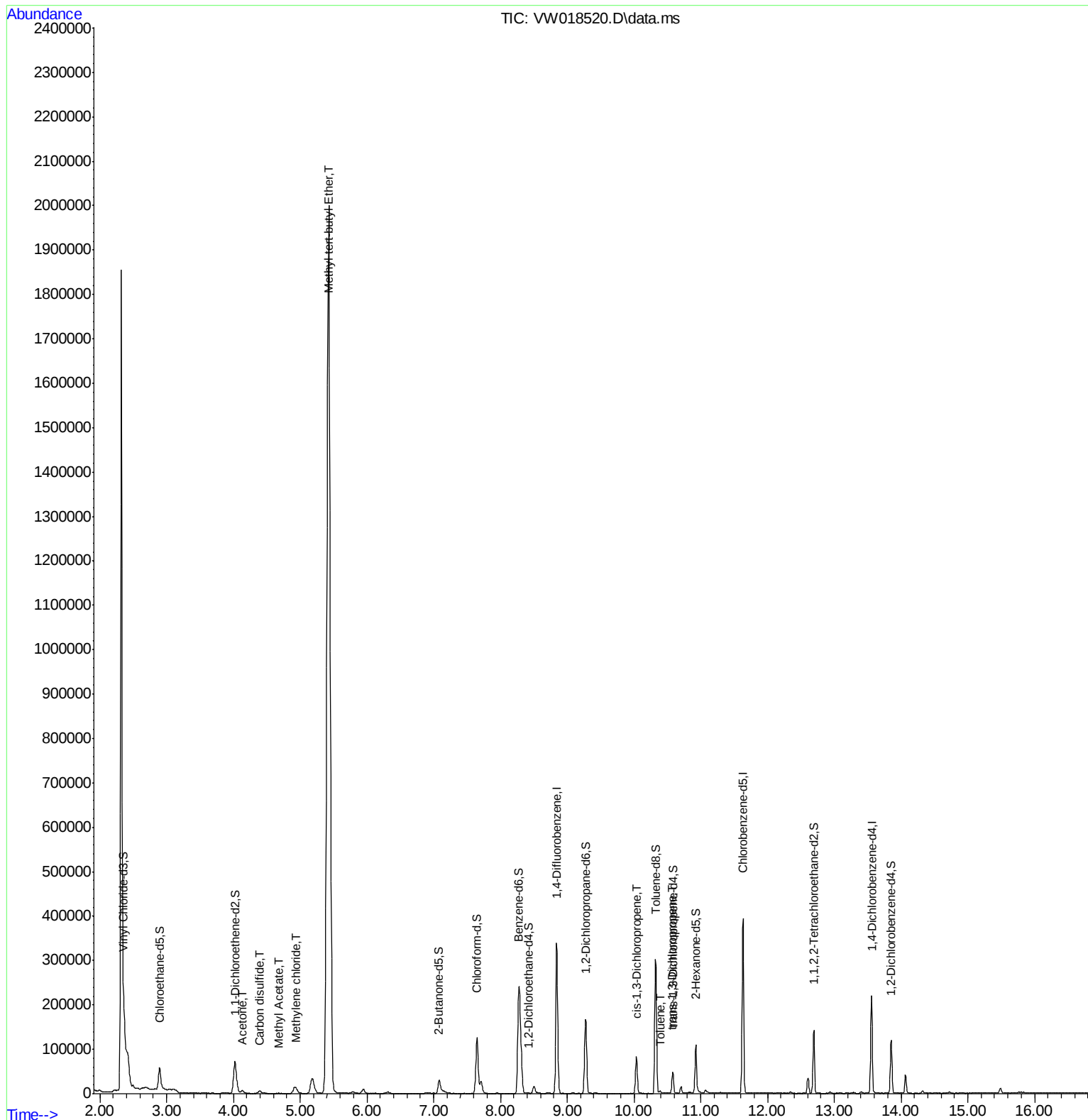
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	277342	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	205011	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	53352	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	85002	22.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.08%		
7) Chloroethane-d5	2.891	69	66790	19.77	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	79.08%		
10) 1,1-Dichloroethene-d2	4.025	63	82222	12.34	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	49.36%		
20) 2-Butanone-d5	7.080	46	50649	58.95	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	117.90%		
24) Chloroform-d	7.647	84	127539	18.05	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	72.20%		
26) 1,2-Dichloroethane-d4	8.421	65	123	0.03	ug/L	0.12
Spiked Amount 25.000	Range 70 - 130		Recovery =	0.12%#		
29) Benzene-d6	8.275	84	243451	22.34	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.36%		
33) 1,2-Dichloropropane-d6	9.274	67	74140	23.58	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.32%		
37) Toluene-d8	10.323	98	201954	19.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	76.96%		
38) trans-1,3-Dichloroprop...	10.579	79	25595	15.79	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	63.16%		
39) 2-Hexanone-d5	10.927	63	36277	58.96	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	117.92%		
48) 1,1,2,2-Tetrachloroeth...	12.695	84	66500	23.65	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	94.60%		
61) 1,2-Dichlorobenzene-d4	13.853	152	29373	15.49	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	61.96%#		
Target Compounds						
13) Acetone	4.129	43	12684	20.55	ug/L	98
14) Carbon disulfide	4.391	76	12611	1.20	ug/L #	90
15) Methyl Acetate	4.684	43	518	0.37	ug/L #	70
16) Methylene chloride	4.934	84	13126	2.89	ug/L	97
17) Methyl tert-butyl Ether	5.428	73	3406581	669.78	ug/L	99
42) cis-1,3-Dichloropropene	10.043	75	2210	0.45	ug/L #	62
44) Toluene	10.390	91	3649	0.27	ug/L	83
45) trans-1,3-Dichloropropene	10.573	75	1539	0.35	ug/L	90

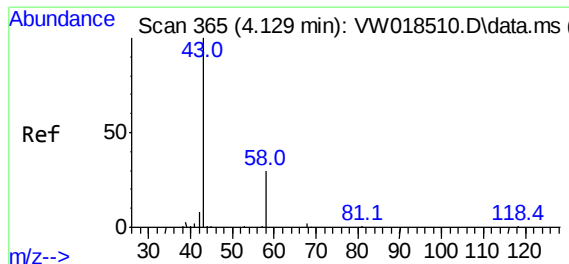
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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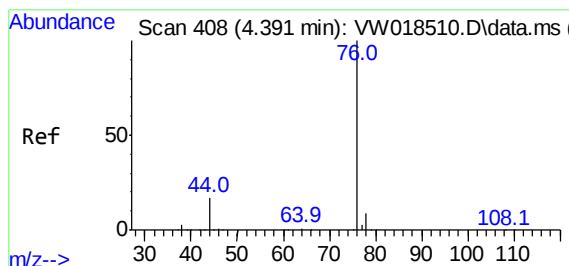
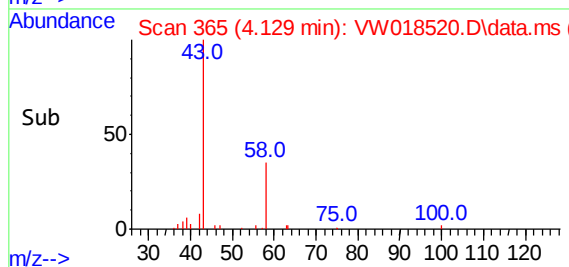
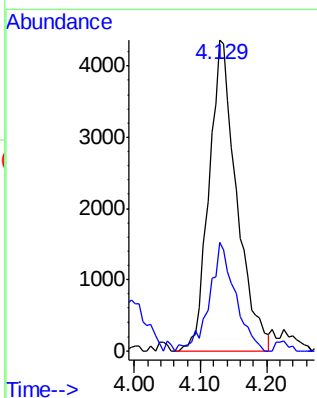
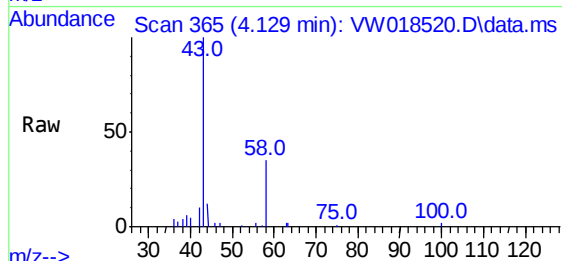




#13
Acetone
Concen: 20.55 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.000 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

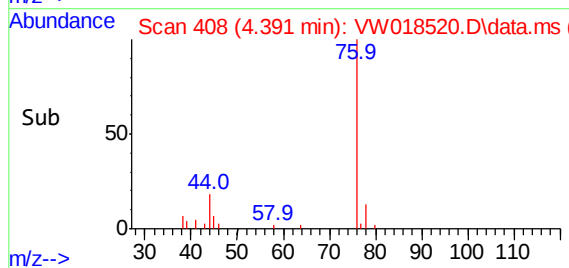
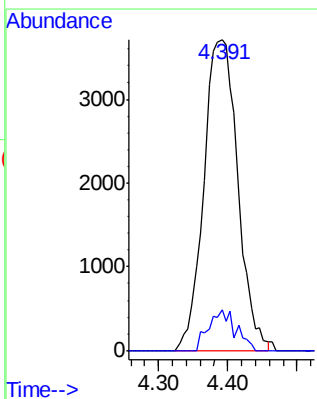
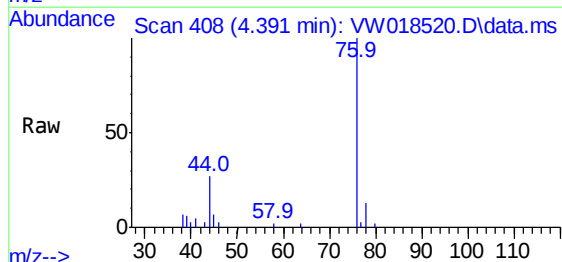
Instrument :
MSVOA_W
ClientSampled :
BG552

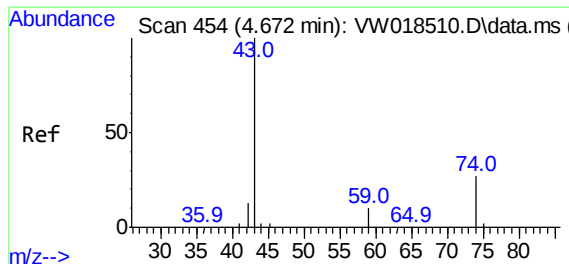
Tgt Ion: 43 Resp: 12684
Ion Ratio Lower Upper
43 100
58 32.3 0.0 62.2



#14
Carbon disulfide
Concen: 1.20 ug/L
RT: 4.391 min Scan# 408
Delta R.T. -0.000 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

Tgt Ion: 76 Resp: 12611
Ion Ratio Lower Upper
76 100
78 13.1 7.4 11.2#

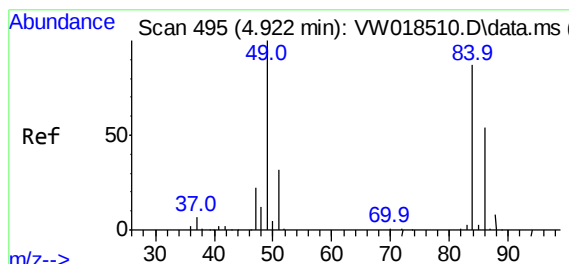
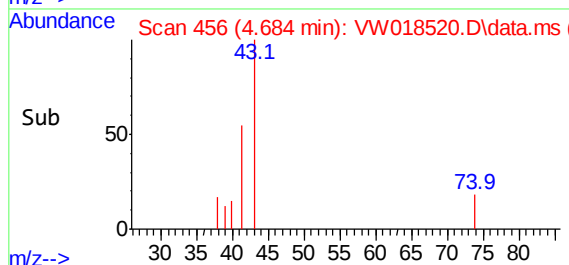
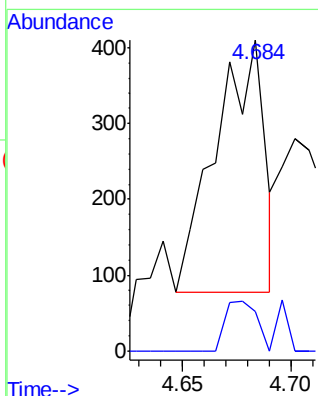
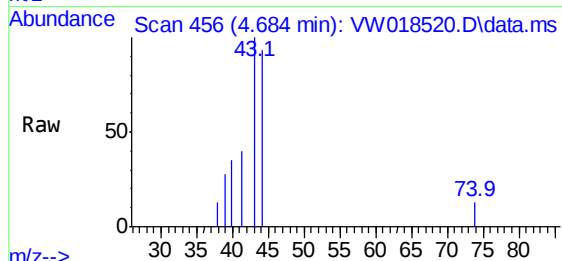




#15
Methyl Acetate
Concen: 0.37 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

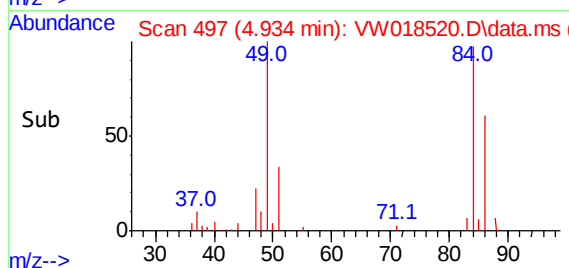
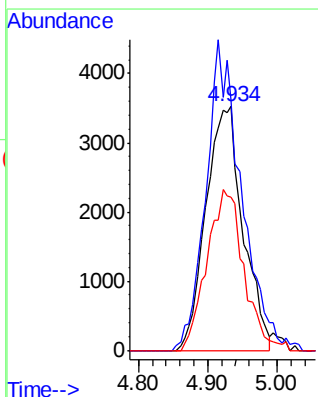
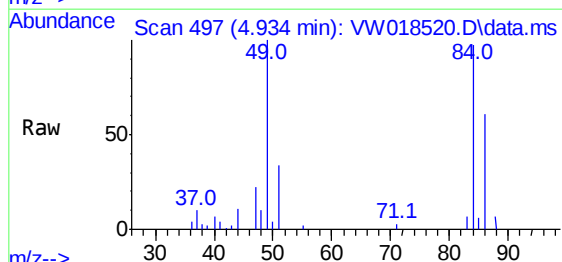
Instrument :
MSVOA_W
ClientSampled :
BG552

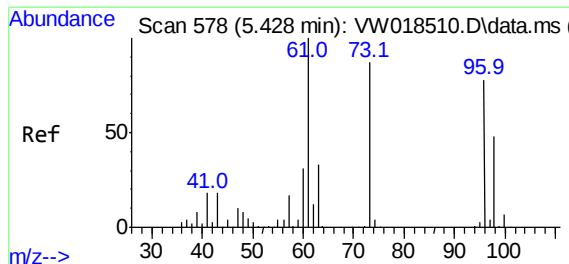
Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
74 12.9 22.9 34.3#



#16
Methylene chloride
Concen: 2.89 ug/L
RT: 4.934 min Scan# 497
Delta R.T. 0.012 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

Tgt Ion: 84 Resp: 13126
Ion Ratio Lower Upper
84 100
49 102.9 74.4 138.2
86 63.0 46.1 85.7



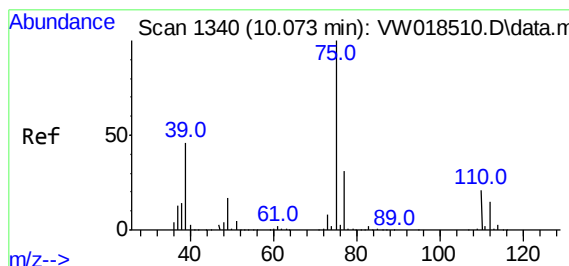
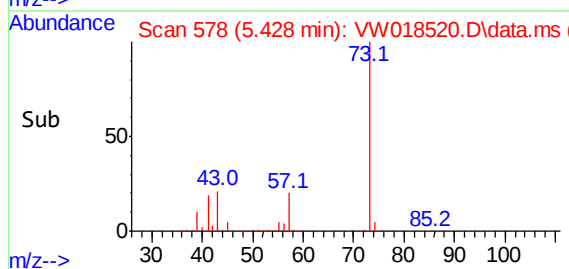
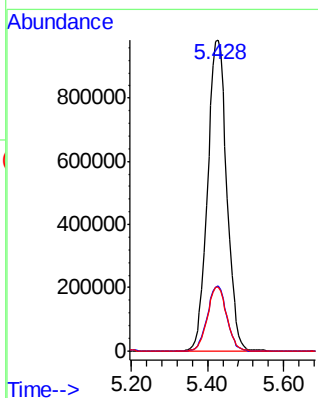
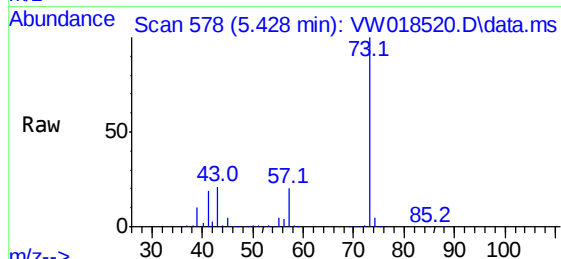


#17
Methyl tert-butyl Ether
Concen: 669.78 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

Instrument :
MSVOA_W
ClientSampleId :
BG552

Tgt Ion: 73 Resp: 3406581

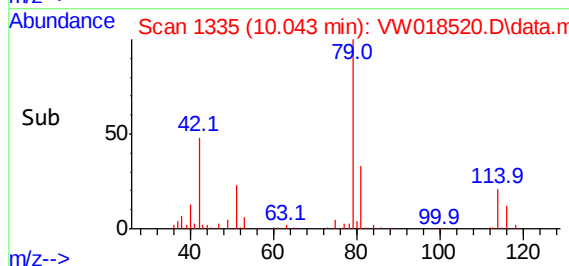
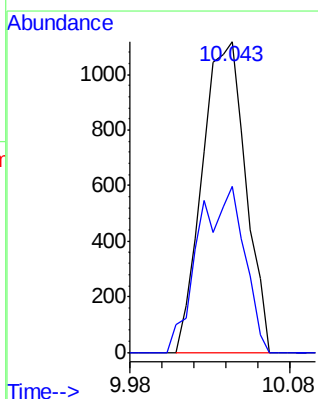
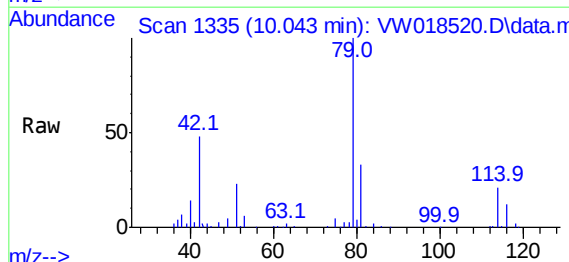
Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	24.8
57	20.6	15.9	23.9

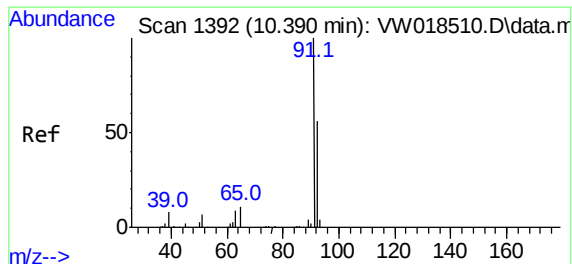


#42
cis-1,3-Dichloropropene
Concen: 0.45 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.031 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

Tgt Ion: 75 Resp: 2210

Ion	Ratio	Lower	Upper
75	100		
77	53.3	22.4	41.6

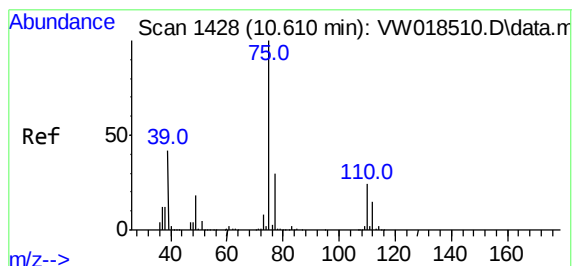
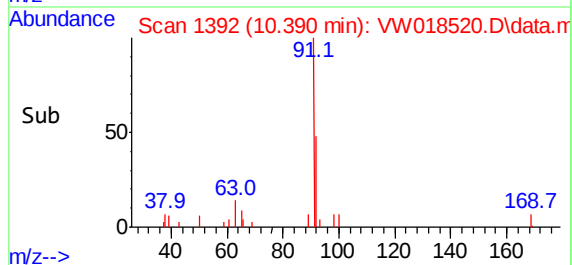
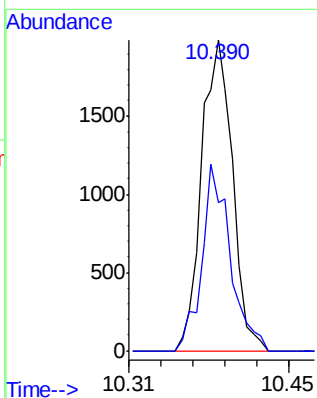
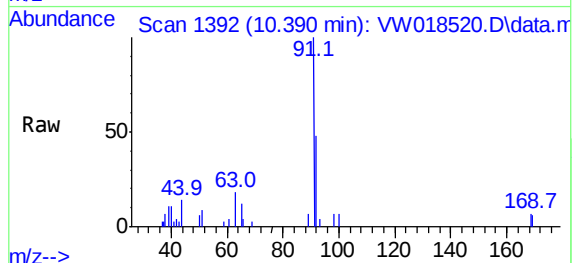




#44
Toluene
Concen: 0.27 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

Instrument :
MSVOA_W
ClientSampled :
BG552

Tgt Ion: 91 Resp: 3649
Ion Ratio Lower Upper
91 100
92 47.7 42.3 78.5



#45
trans-1,3-Dichloropropene
Concen: 0.35 ug/L
RT: 10.573 min Scan# 1422
Delta R.T. -0.037 min
Lab File: VW018520.D
Acq: 31 Mar 2021 18:22

Tgt Ion: 75 Resp: 1539
Ion Ratio Lower Upper
75 100
77 37.9 22.6 42.0

