

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071921\
 Data File : VV021681.D
 Acq On : 19 Jul 2021 14:43
 Operator : SY/MD
 Sample : VIBLK203
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK203

Quant Time: Jul 20 01:54:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 20 01:38:43 2021
 Response via : Initial Calibration

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

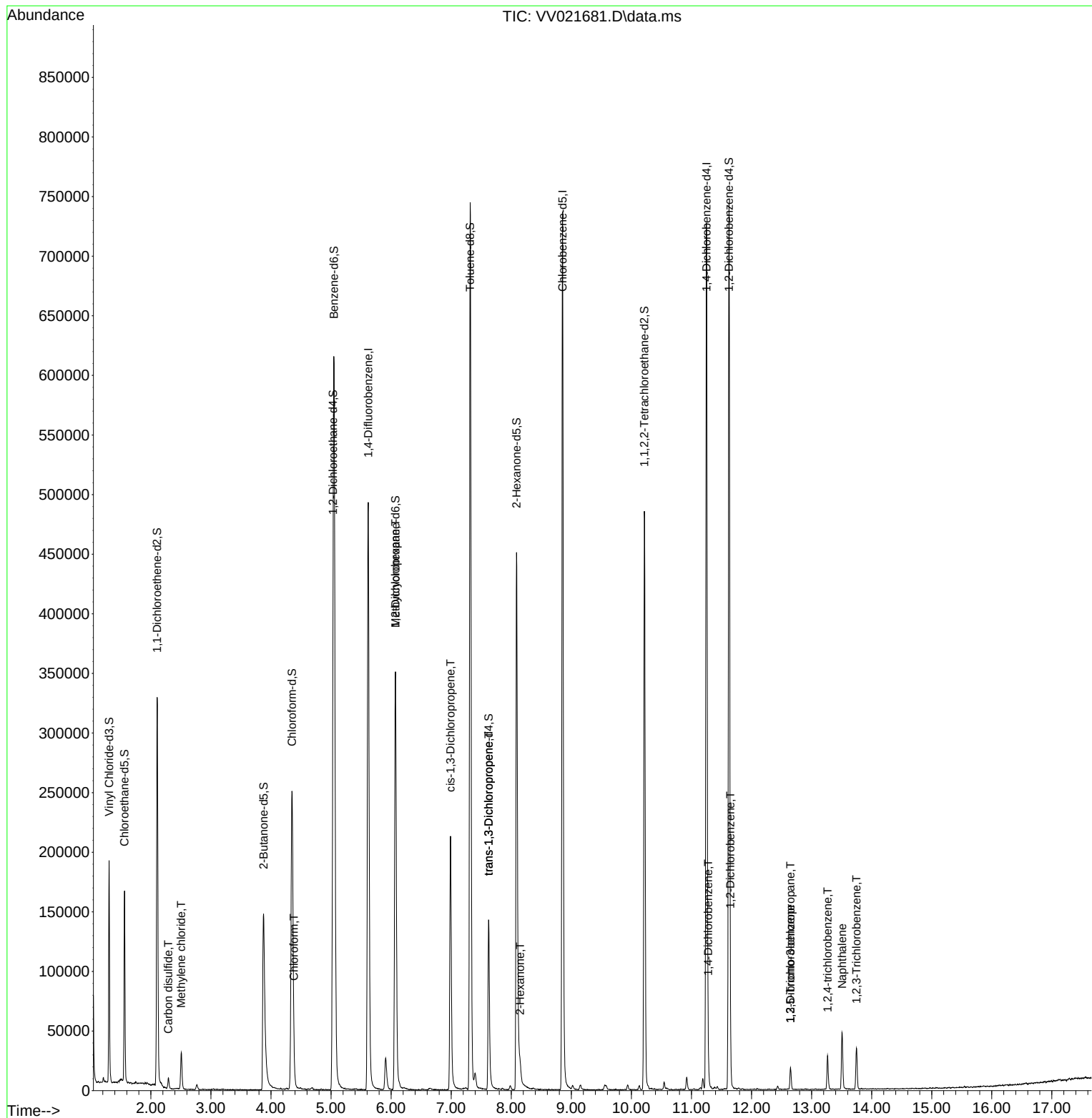
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	446710	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	414686	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	201316	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	117978	37.333	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.660%		
7) Chloroethane-d5	1.561	69	100082	45.772	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.540%		
11) 1,1-Dichloroethene-d2	2.105	63	166857	31.686	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.380%		
21) 2-Butanone-d5	3.876	46	237675	97.579	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.580%		
24) Chloroform-d	4.349	84	265396	44.228	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.460%		
26) 1,2-Dichloroethane-d4	5.034	65	165243	46.492	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.980%		
32) Benzene-d6	5.050	84	546565	44.782	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.560%		
36) 1,2-Dichloropropane-d6	6.072	67	175366	45.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.900%		
41) Toluene-d8	7.317	98	498382	44.197	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.400%		
43) trans-1,3-Dichloroprop...	7.625	79	84341	44.336	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.680%		
47) 2-Hexanone-d5	8.088	63	157659	91.478	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.480%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	233415	46.306	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.620%		
66) 1,2-Dichlorobenzene-d4	11.625	152	200145	48.091	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.180%		
Target Compounds						Qvalue
14) Carbon disulfide	2.291	76	9895	1.393	ug/L	98
16) Methylene chloride	2.506	84	12605	3.706	ug/L	96
25) Chloroform	4.381	83	2971	0.542	ug/L	83
35) Methylcyclohexane	6.072	83	41400	8.681	ug/L #	20
39) cis-1,3-Dichloropropene	6.989	75	5347	1.081	ug/L #	75
44) trans-1,3-Dichloropropene	7.622	75	3899	0.832	ug/L #	82
48) 2-Hexanone	8.146	43	13587	3.905	ug/L #	81
65) 1,4-Dichlorobenzene	11.278	146	4852	0.785	ug/L	90
67) 1,2-Dichlorobenzene	11.648	146	4228	0.675	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	12.648	75	1057	1.023	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.648	180	5590	1.221	ug/L	94
70) 1,2,4-trichlorobenzene	13.268	180	8919	2.208	ug/L	98
71) Naphthalene	13.509	128	40814	3.269	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	10904	2.647	ug/L	99

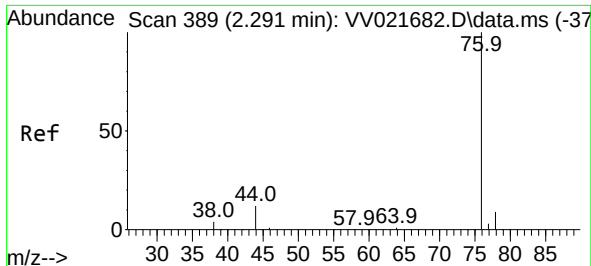
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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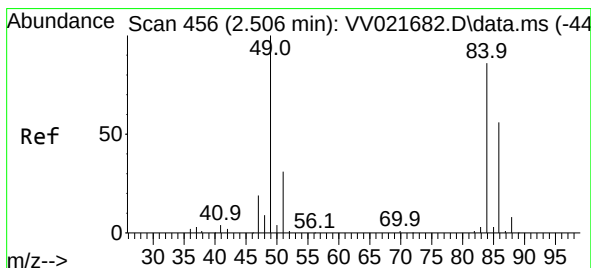
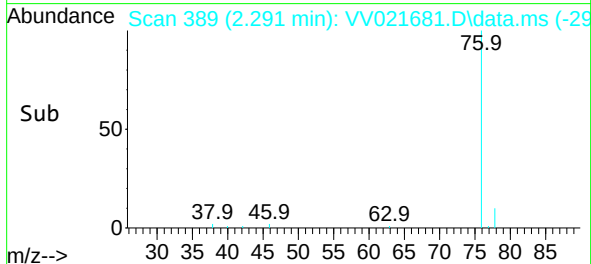
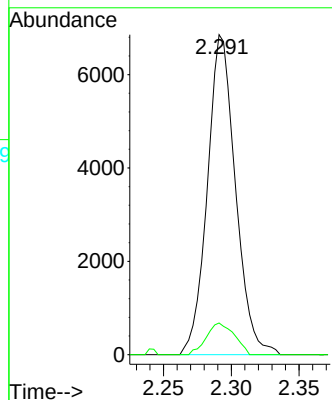
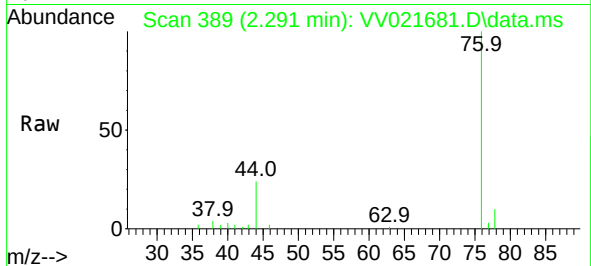




#14
Carbon disulfide
Concen: 1.393 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

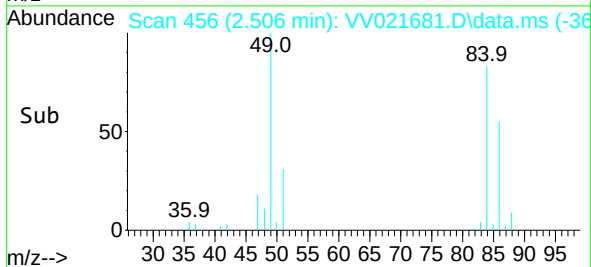
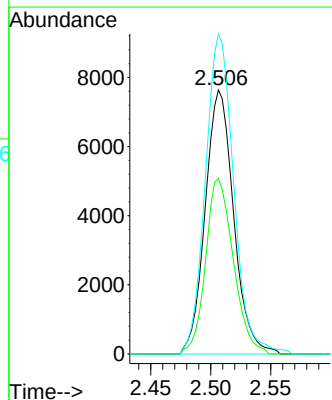
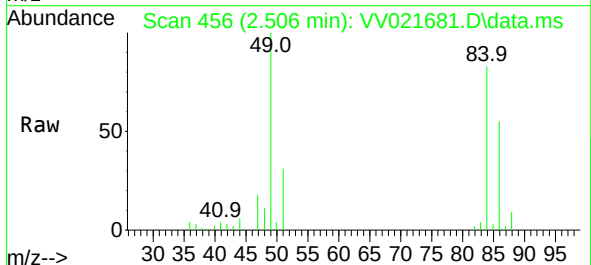
Instrument :
MSVOA_V
ClientSampleId :
VIBLK203

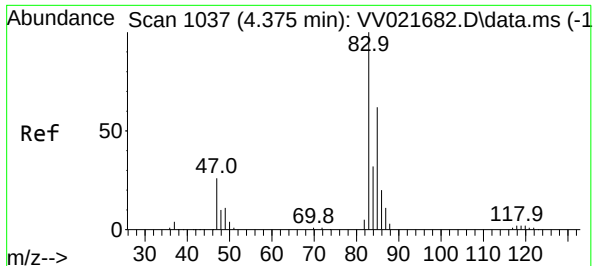
Tgt Ion: 76 Resp: 9895
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#16
Methylene chloride
Concen: 3.706 ug/L
RT: 2.506 min Scan# 456
Delta R.T. -0.000 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Tgt Ion: 84 Resp: 12605
Ion Ratio Lower Upper
84 100
86 66.6 45.1 83.9
49 121.2 81.1 150.7





#25

Chloroform

Concen: 0.542 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VV021681.D

Acq: 19 Jul 2021 14:43

Instrument :

MSVOA_V

ClientSampleId :

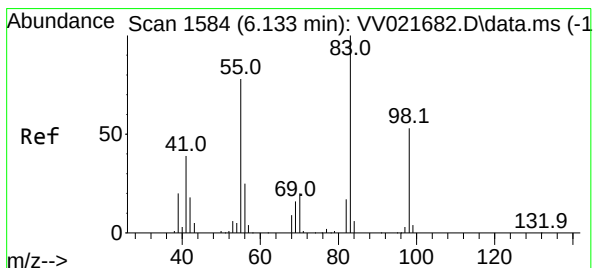
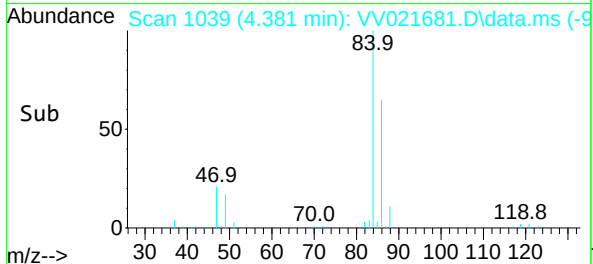
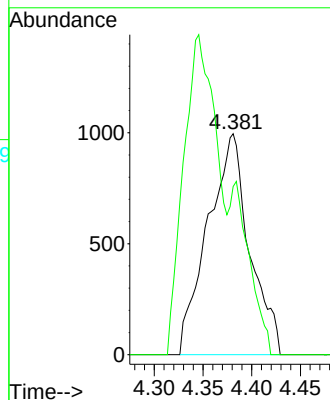
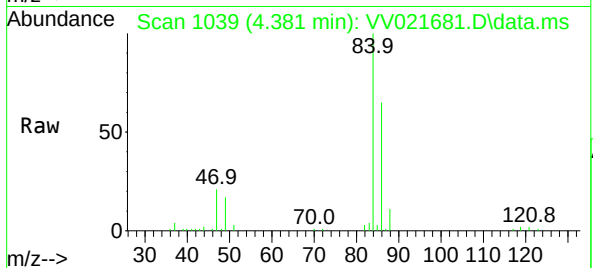
VIBLK203

Tgt Ion: 83 Resp: 2971

Ion Ratio Lower Upper

83 100

85 76.1 43.8 81.4



#35

Methylcyclohexane

Concen: 8.681 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV021681.D

Acq: 19 Jul 2021 14:43

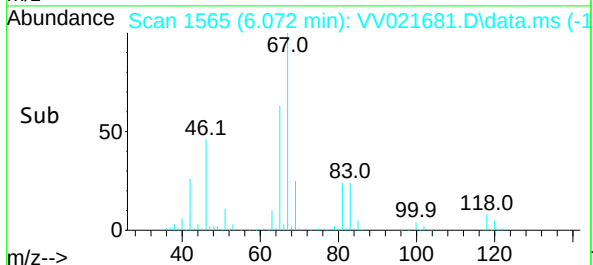
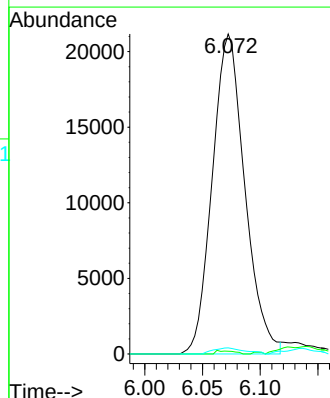
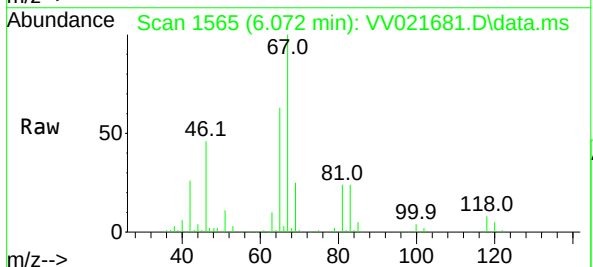
Tgt Ion: 83 Resp: 41400

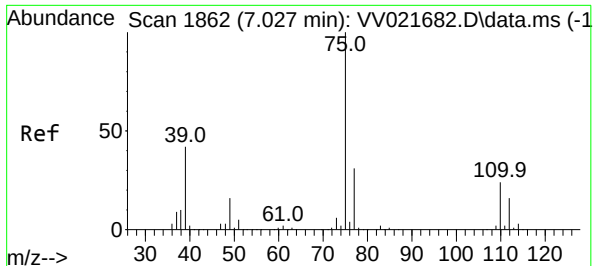
Ion Ratio Lower Upper

83 100

55 0.2 59.3 88.9#

98 1.8 40.2 60.4#



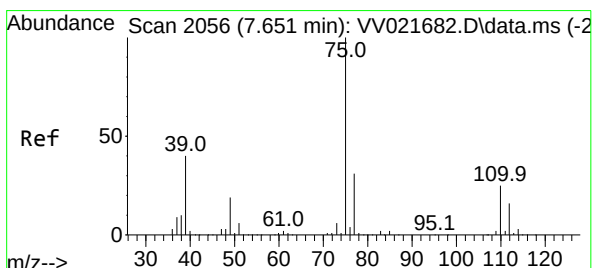
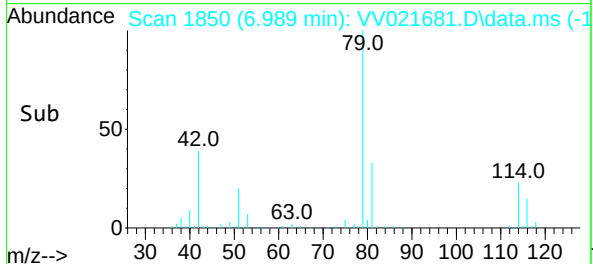
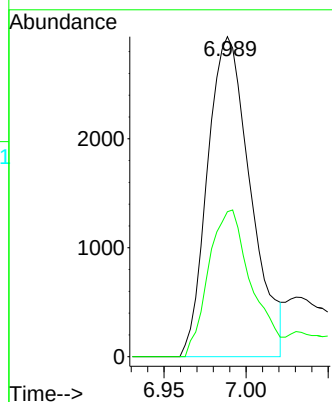
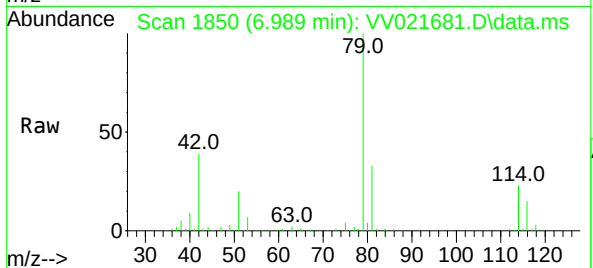


#39

cis-1,3-Dichloropropene
Concen: 1.081 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Instrument :
MSVOA_V
ClientSampleId :
VIBLK203

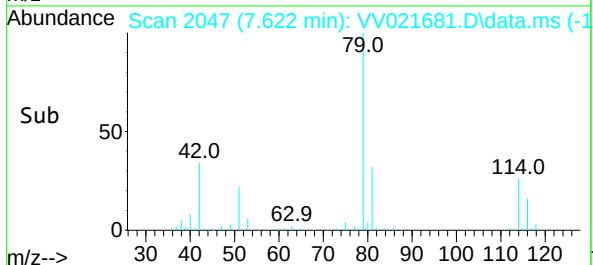
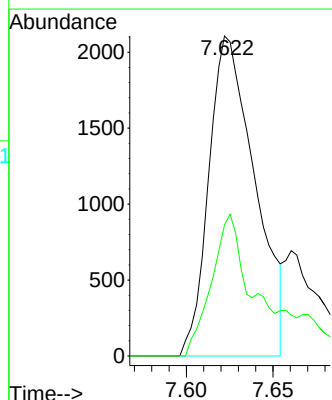
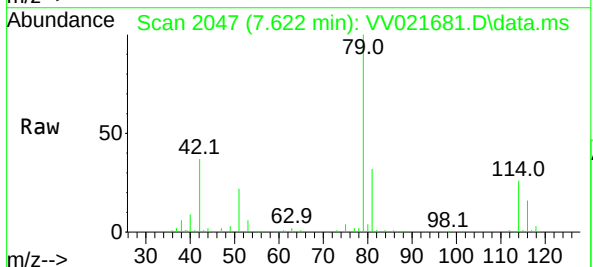
Tgt Ion: 75 Resp: 5347
Ion Ratio Lower Upper
75 100
77 45.3 21.9 40.7#

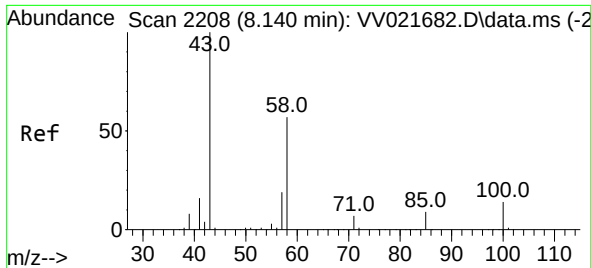


#44

trans-1,3-Dichloropropene
Concen: 0.832 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.029 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Tgt Ion: 75 Resp: 3899
Ion Ratio Lower Upper
75 100
77 41.0 21.8 40.4#

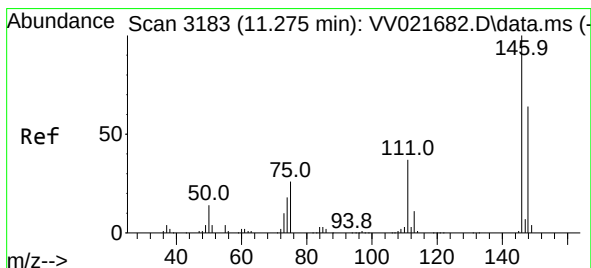
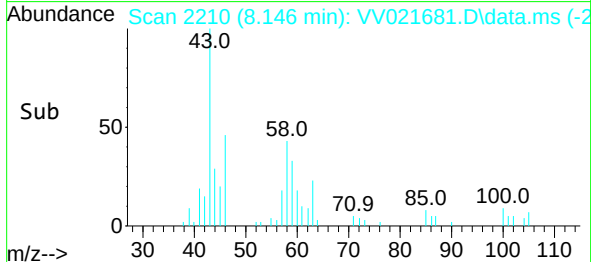
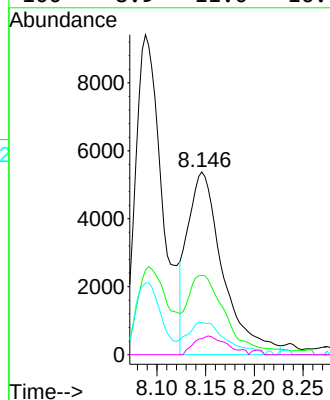
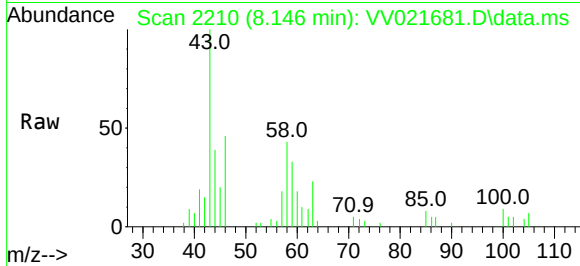




#48
2-Hexanone
Concen: 3.905 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

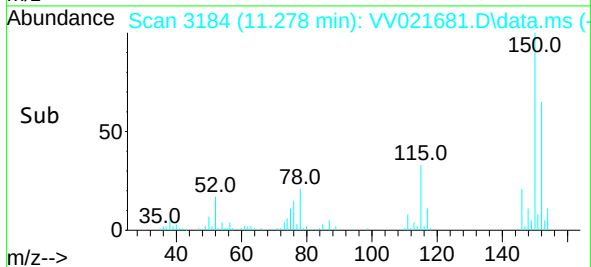
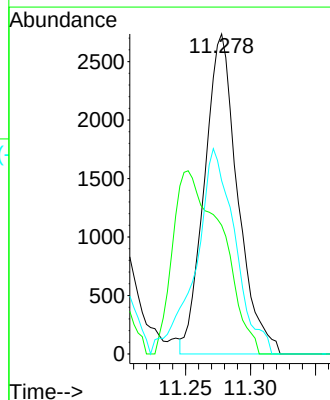
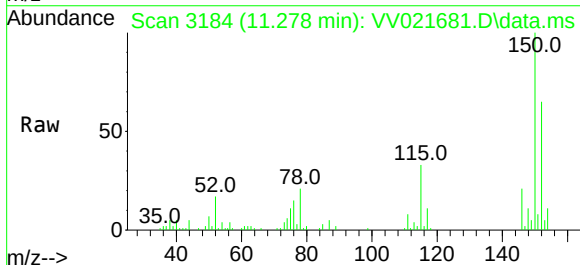
Instrument :
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ClientSampleId :
VIBLK203

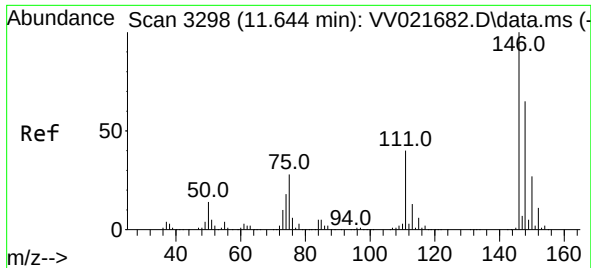
Tgt Ion:	43	Resp:	13587
Ion	Ratio	Lower	Upper
43	100		
58	46.0	46.0	69.0#
57	4.4	15.6	23.4#
100	8.9	11.0	16.4#



#65
1,4-Dichlorobenzene
Concen: 0.785 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Tgt Ion:	146	Resp:	4852
Ion	Ratio	Lower	Upper
146	100		
111	40.2	26.1	48.5
148	54.1	44.8	83.2

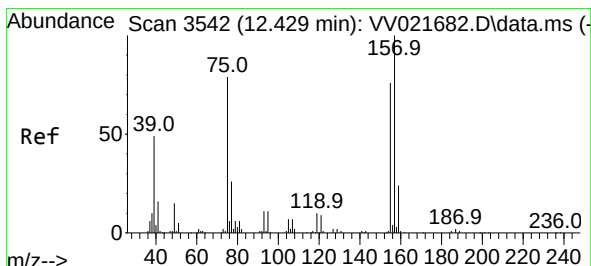
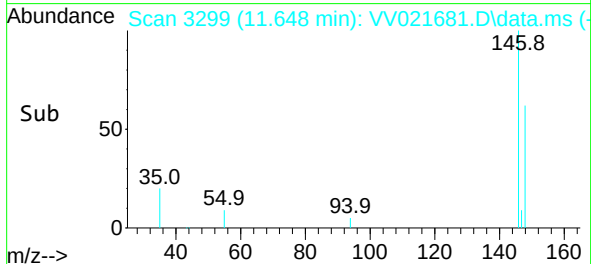
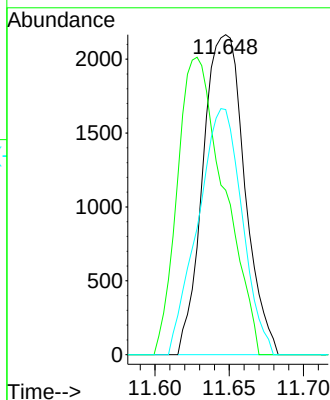
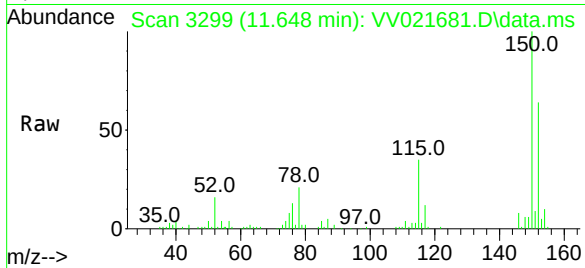




#67
1,2-Dichlorobenzene
Concen: 0.675 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

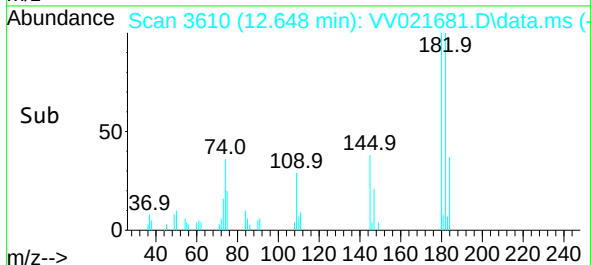
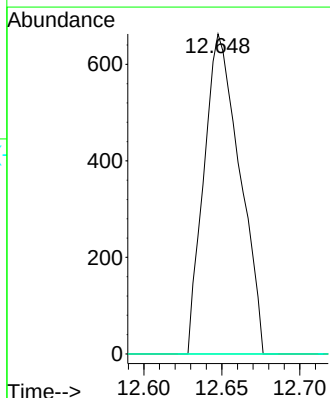
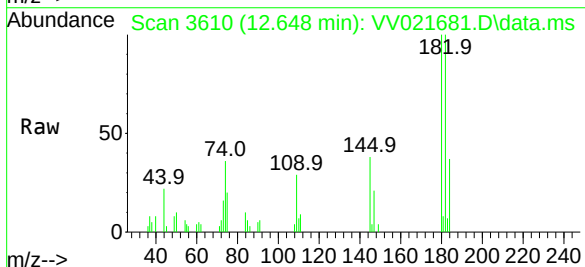
Instrument :
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ClientSampleId :
VIBLK203

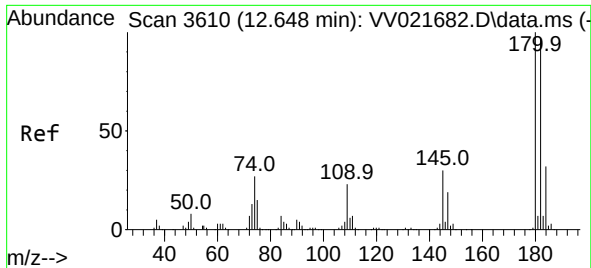
Tgt Ion:146 Resp: 4228
Ion Ratio Lower Upper
146 100
111 51.4 32.1 48.1#
148 76.6 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 1.023 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. 0.219 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Tgt Ion: 75 Resp: 1057
Ion Ratio Lower Upper
75 100
155 0.0 77.0 115.4#
157 0.0 100.7 151.1#

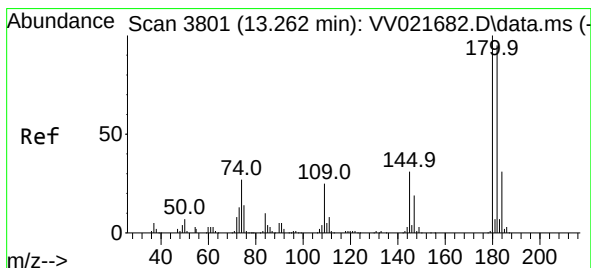
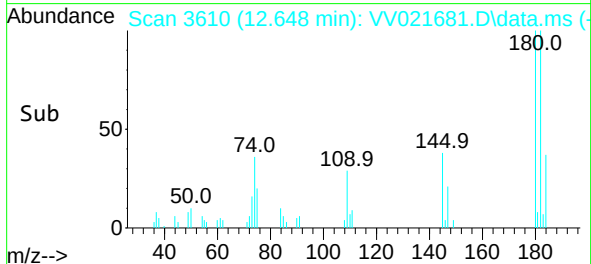
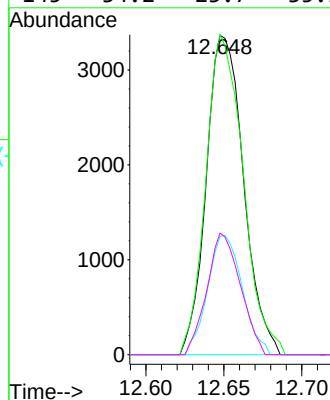
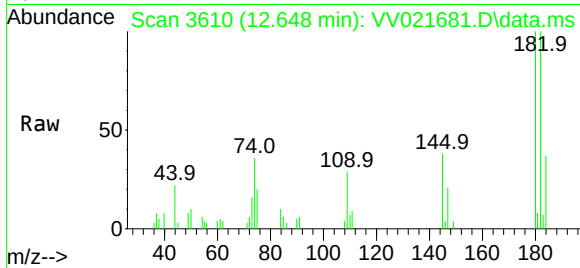




#69
1,3,5-Trichlorobenzene
Concen: 1.221 ug/L
RT: 12.648 min Scan# 3610
Delta R.T. -0.000 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

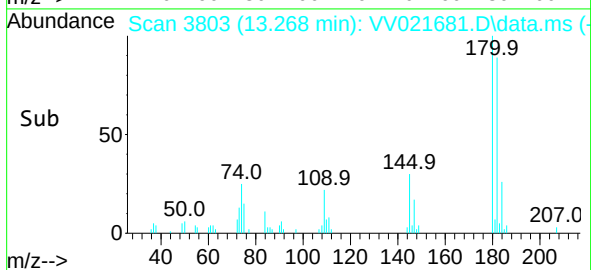
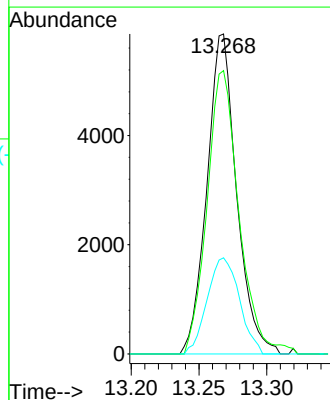
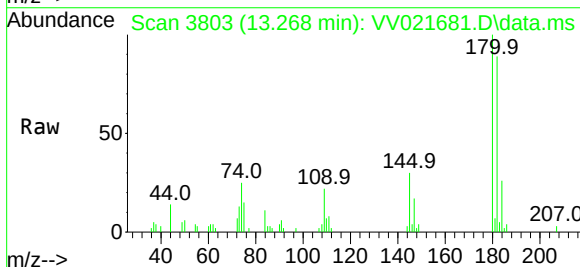
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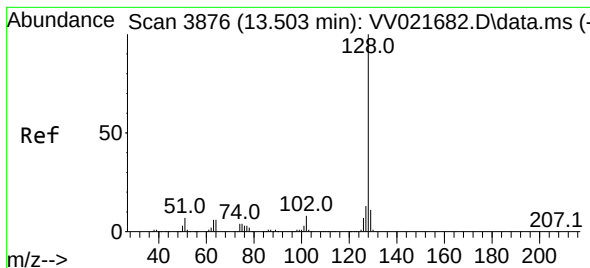
Tgt Ion:	180	Resp:	5590
Ion	Ratio	Lower	Upper
180	100		
182	100.2	75.9	113.9
184	34.7	24.9	37.3
145	34.2	23.7	35.5



#70
1,2,4-trichlorobenzene
Concen: 2.208 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.006 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Tgt Ion:	180	Resp:	8919
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.7	115.1
145	32.6	24.5	36.7

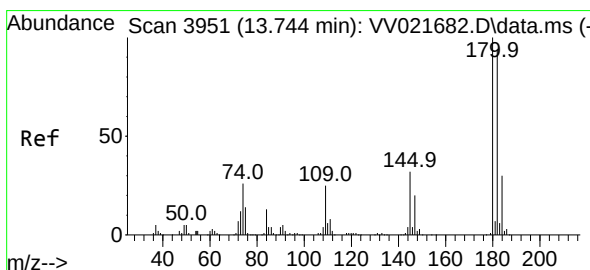
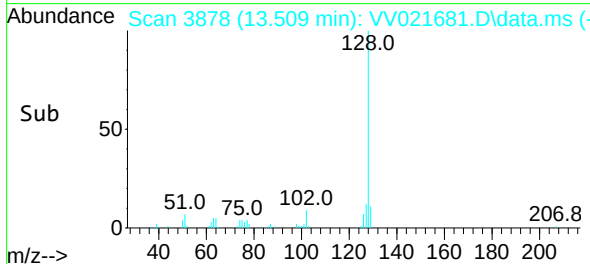
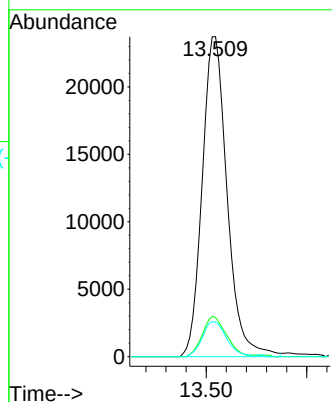
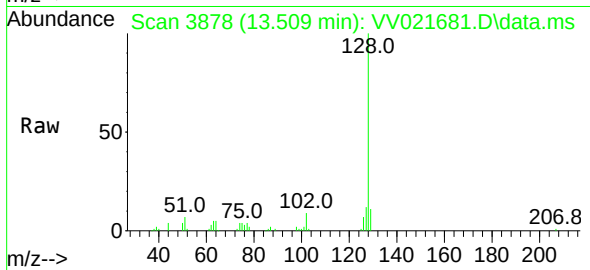




#71
Naphthalene
Concen: 3.269 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.006 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Instrument :
MSVOA_V
ClientSampleId :
VIBLK203

Tgt Ion:128 Resp: 40814
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.647 ug/L
RT: 13.747 min Scan# 3952
Delta R.T. 0.003 min
Lab File: VV021681.D
Acq: 19 Jul 2021 14:43

Tgt Ion:180 Resp: 10904
Ion Ratio Lower Upper
180 100
182 93.5 75.8 113.8
145 31.0 25.5 38.3

