

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020320\
 Data File : VV014487.D
 Acq On : 03 Feb 2020 16:22
 Operator : SY/MD
 Sample : L1326-03 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBCS5

Quant Time: Feb 04 05:57:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 04 05:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	397630	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	369842	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	177468	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110895	50.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.44%
7) Chloroethane-d5	1.58	69	77860	56.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.42%
11) 1,1-Dichloroethene-d2	2.13	63	124017	42.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.14%
21) 2-Butanone-d5	3.92	46	174263	117.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.28%
24) Chloroform-d	4.40	84	250511	53.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.08	65	157141	55.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.64%
32) Benzene-d6	5.10	84	531633	54.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.18%
36) 1,2-Dichloropropane-d6	6.11	67	164032	53.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.48%
41) Toluene-d8	7.36	98	482570	53.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.36%
43) trans-1,3-Dichloropropene-	7.66	79	83580	53.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.74%
47) 2-Hexanone-d5	8.13	63	138774	115.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.12%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	212421	53.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.02%
64) 1,2-Dichlorobenzene-d4	11.67	152	176321	53.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.90%

Target Compounds

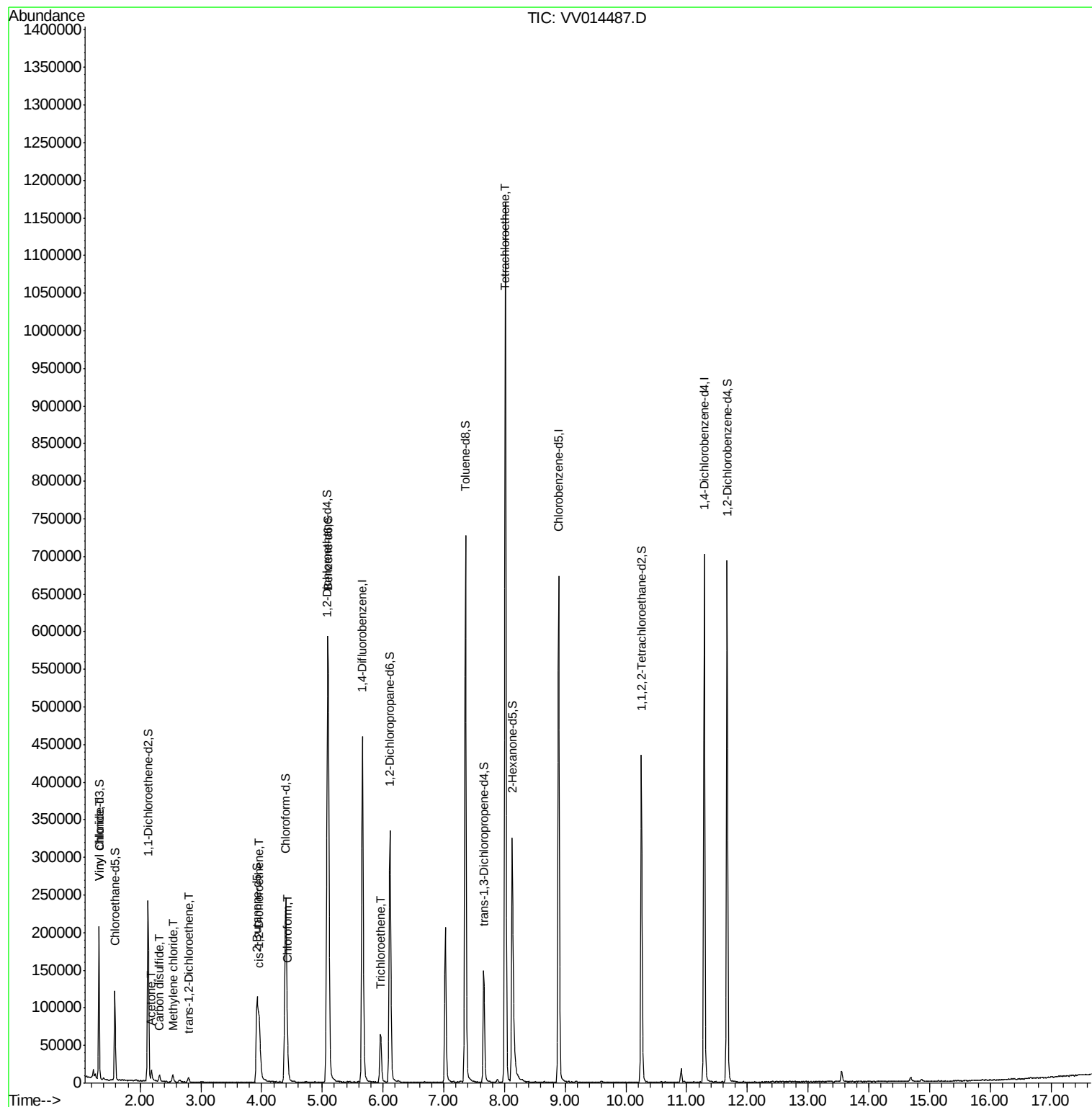
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.33	62	5740	2.058	ug/L	# 60
13) Acetone	2.18	43	12338	9.731	ug/L	98
14) Carbon disulfide	2.32	76	9767	1.315	ug/L	97
16) Methylene chloride	2.54	84	4041	1.387	ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	2115	0.806	ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	37253	12.731	ug/L	99
25) Chloroform	4.43	83	14575	3.022	ug/L	89
34) Trichloroethene	5.96	95	23727	8.609	ug/L	99
46) Tetrachloroethene	8.02	164	255030	126.520	ug/L	99

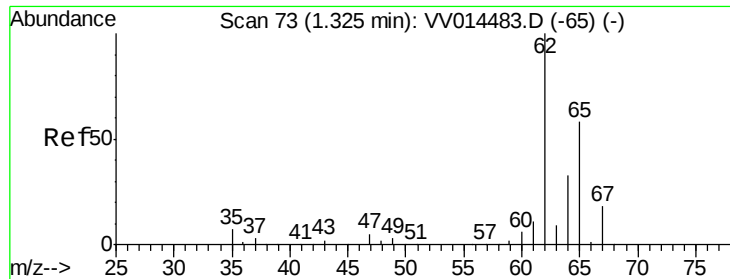
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.058 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014487.D

Acq: 03 Feb 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

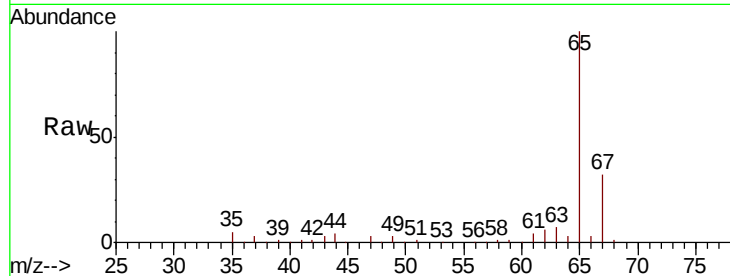
DBCS5

Tot Ion: 62 Resp: 5740

Ion Ratio Lower Upper

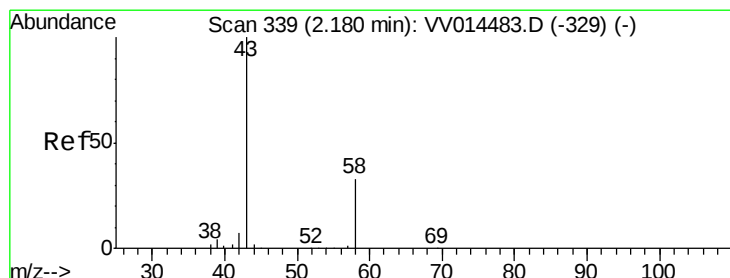
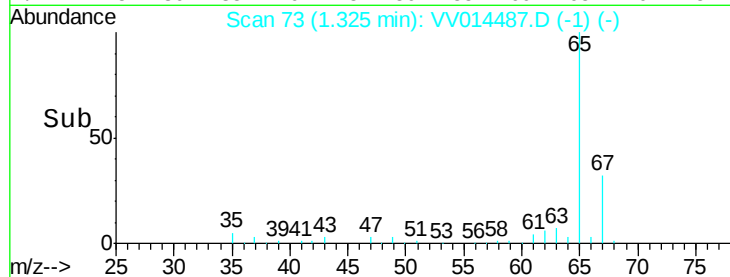
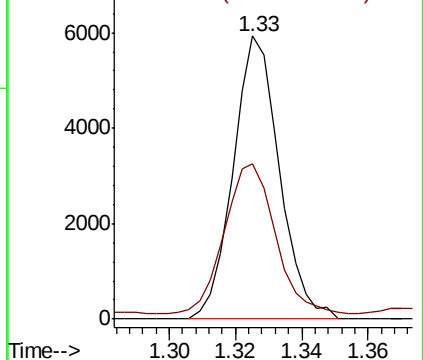
62 100

64 55.0 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#13

Acetone

Concen: 9.731 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014487.D

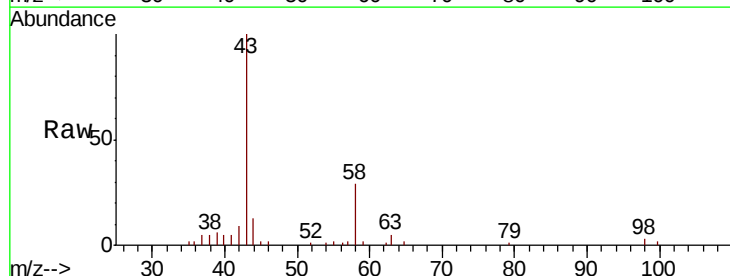
Acq: 03 Feb 2020 16:22

Tgt Ion: 43 Resp: 12338

Ion Ratio Lower Upper

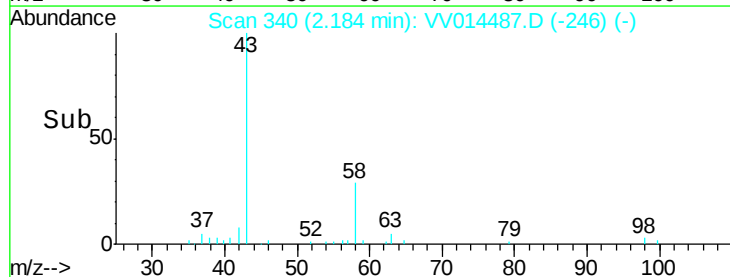
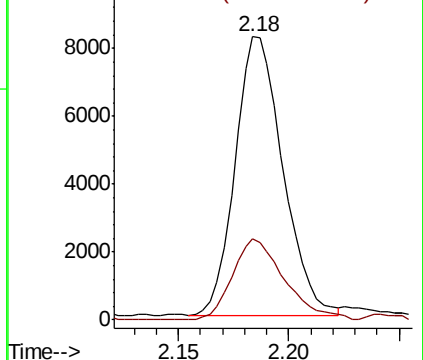
43 100

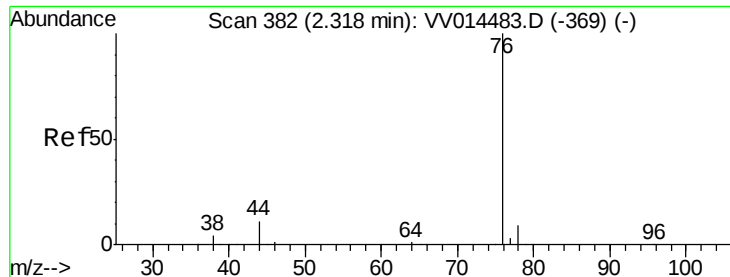
58 31.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

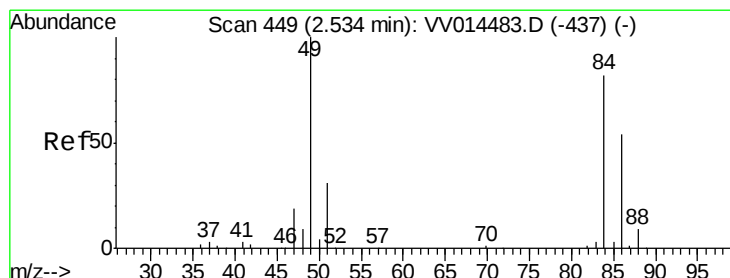
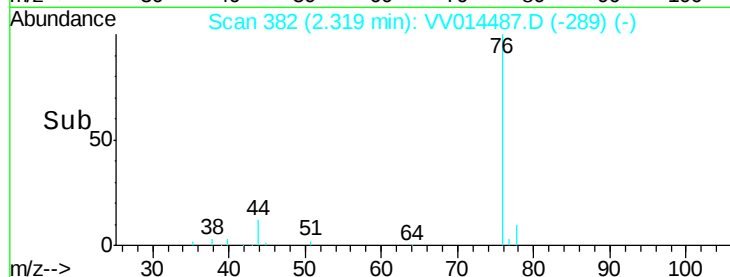
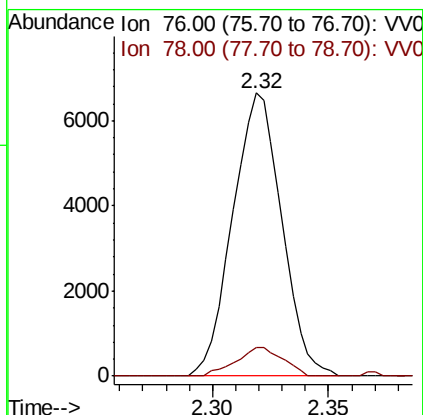
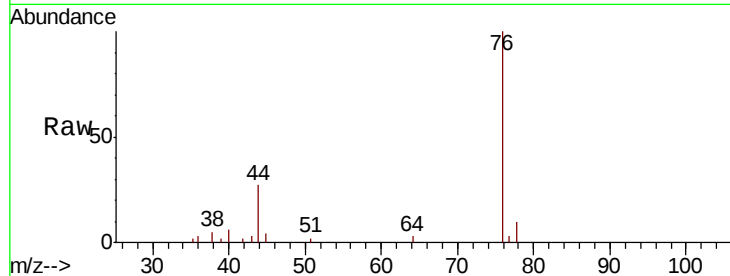




#14
Carbon disulfide
Concen: 1.315 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV014487.D
Acq: 03 Feb 2020 16:22

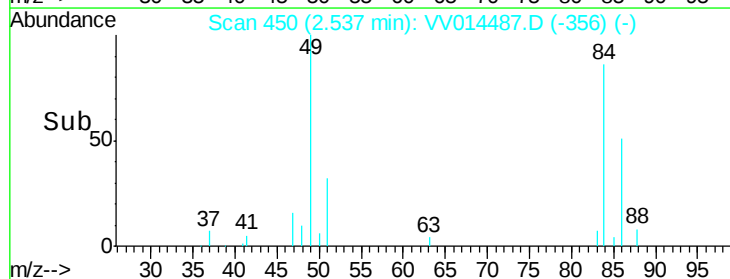
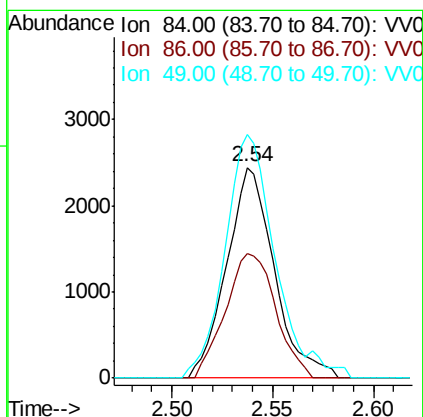
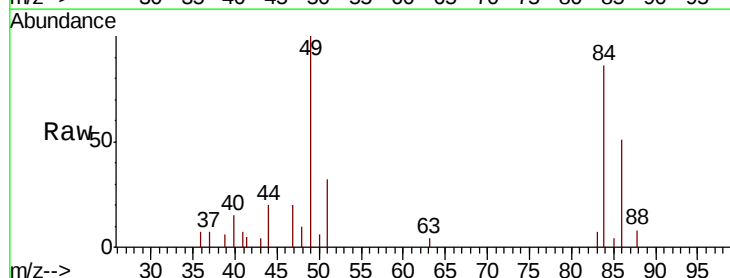
Instrument :
MSVOA_V
ClientSampled :
DBCS5

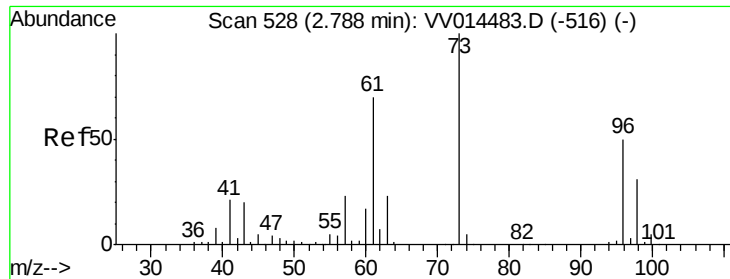
Tot Ion: 76 Resp: 9767
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#16
Methylene chloride
Concen: 1.387 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014487.D
Acq: 03 Feb 2020 16:22

Tgt Ion: 84 Resp: 4041
Ion Ratio Lower Upper
84 100
86 59.4 45.6 84.8
49 115.7 82.7 153.7





#17

trans-1,2-Dichloroethene

Concen: 0.806 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014487.D

Acq: 03 Feb 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

DBCS5

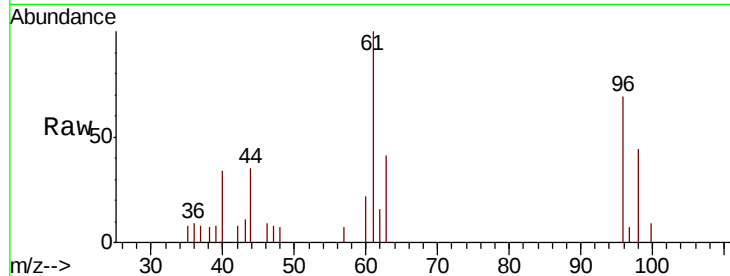
Tot Ion: 96 Resp: 2115

Ion Ratio Lower Upper

96 100

61 144.8 96.7 179.7

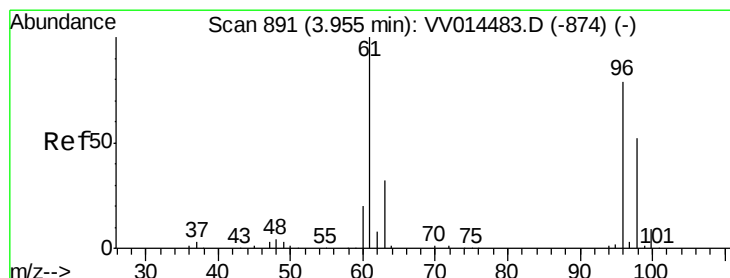
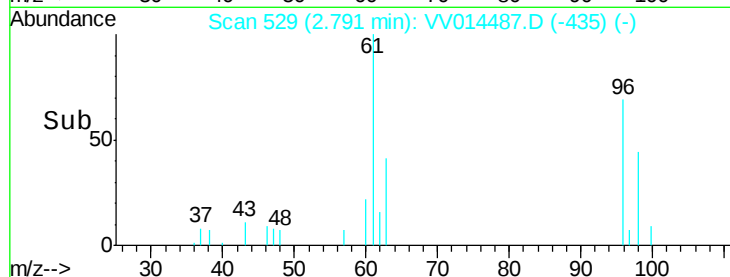
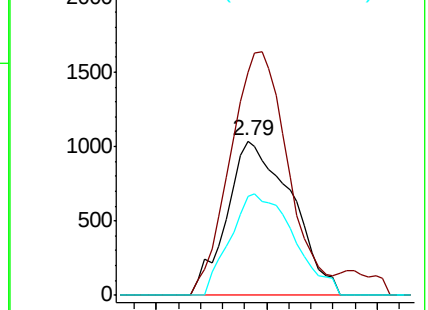
98 64.3 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 12.731 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV014487.D

Acq: 03 Feb 2020 16:22

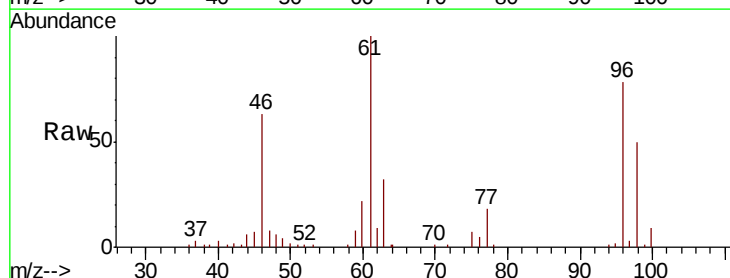
Tgt Ion: 96 Resp: 37253

Ion Ratio Lower Upper

96 100

61 127.9 88.9 165.1

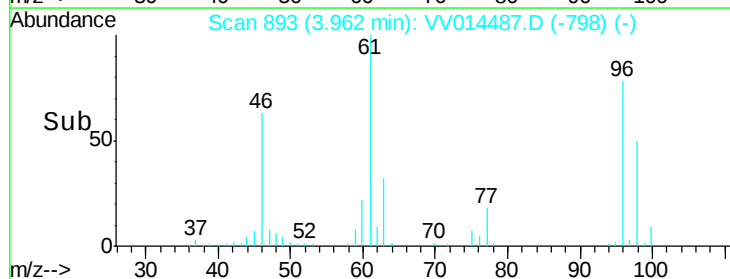
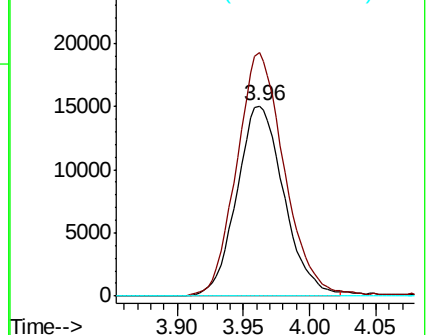
68 0.0 0.0 0.0

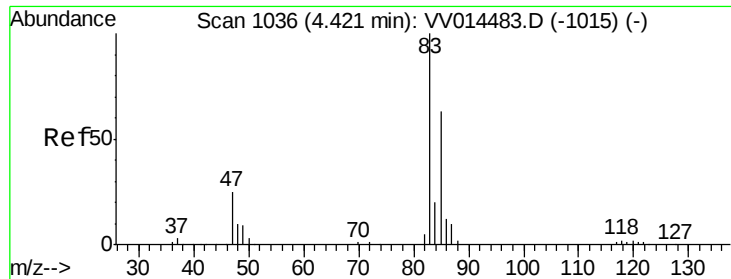


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

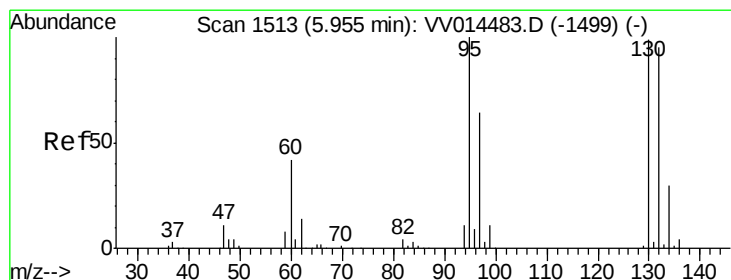
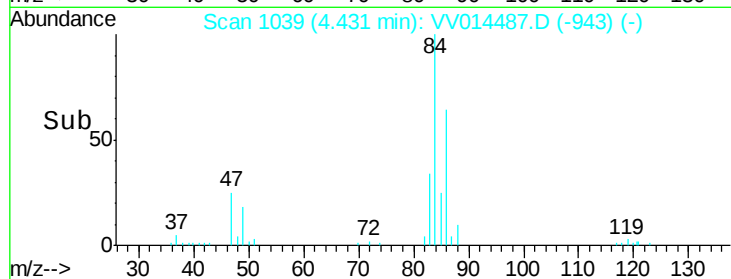
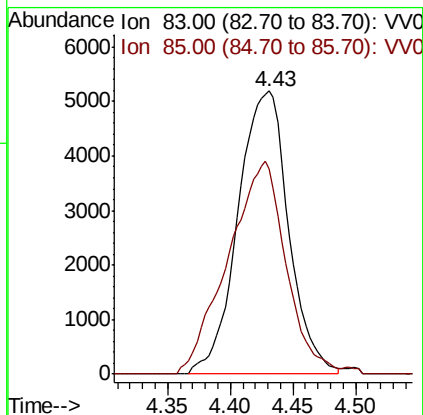
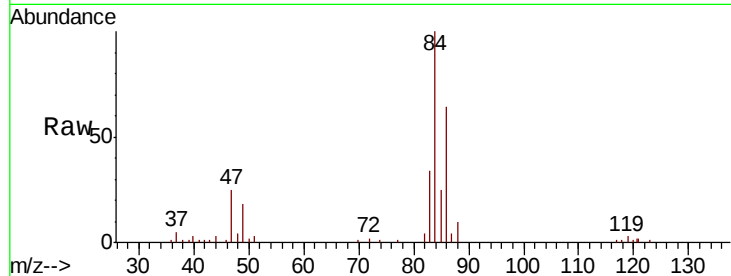




#25
Chloroform
Concen: 3.022 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV014487.D
Acq: 03 Feb 2020 16:22

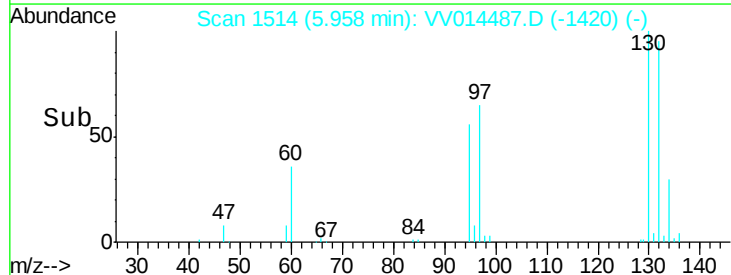
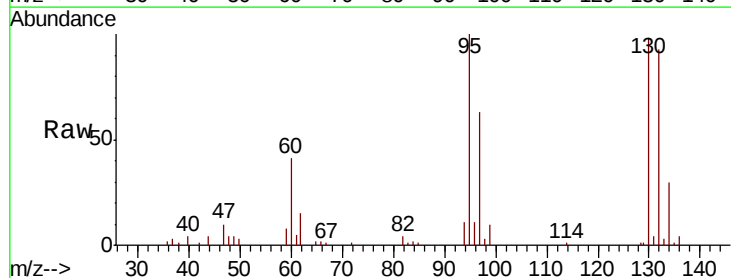
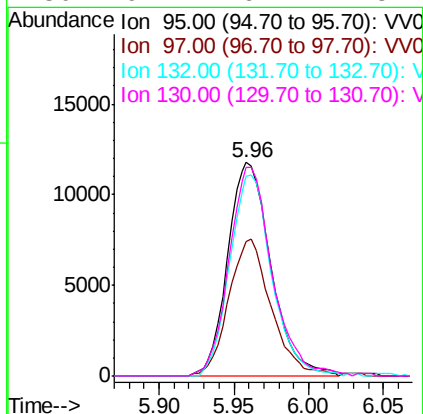
Instrument :
MSVOA_V
ClientSampleId :
DBCS5

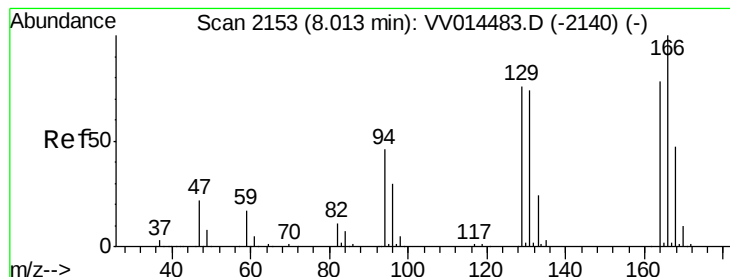
Tot Ion: 83 Resp: 14575
Ion Ratio Lower Upper
83 100
85 72.7 45.1 83.7



#34
Trichloroethene
Concen: 8.609 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV014487.D
Acq: 03 Feb 2020 16:22

Tgt Ion: 95 Resp: 23727
Ion Ratio Lower Upper
95 100
97 63.1 44.7 83.1
132 93.3 65.4 121.4
130 97.7 67.7 125.7





#46

Tetrachloroethene

Concen: 126.520 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014487.D

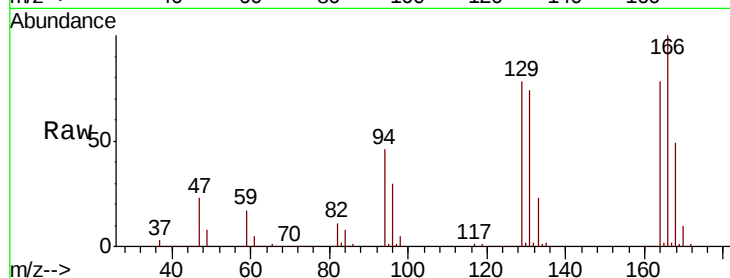
Acq: 03 Feb 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

DBCS5



Tot Ion:164 Resp: 255030

Ion Ratio Lower Upper

164 100

129 99.3 70.4 130.8

131 95.0 65.5 121.7

166 127.9 89.9 166.9

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

