

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102119\
 Data File : VV013269.D
 Acq On : 22 Oct 2019 02:10
 Operator : SY/MD
 Sample : K5457-11
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K16

Quant Time: Oct 22 05:26:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 03:42:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	450535	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	495036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	239100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	150915	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	133225	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.13	63	219404	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	3.97	46	418787	65.65	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.30%#
24) Chloroform-d	4.40	84	368465	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.08	65	176375	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.10	84	701125	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.12	67	224840	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.36	98	562529	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.80%
43) trans-1,3-Dichloropropene-	7.66	79	49080	2.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	53.80%#
46) 2-Hexanone-d5	8.13	63	250694	38.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	157226	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	225409	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

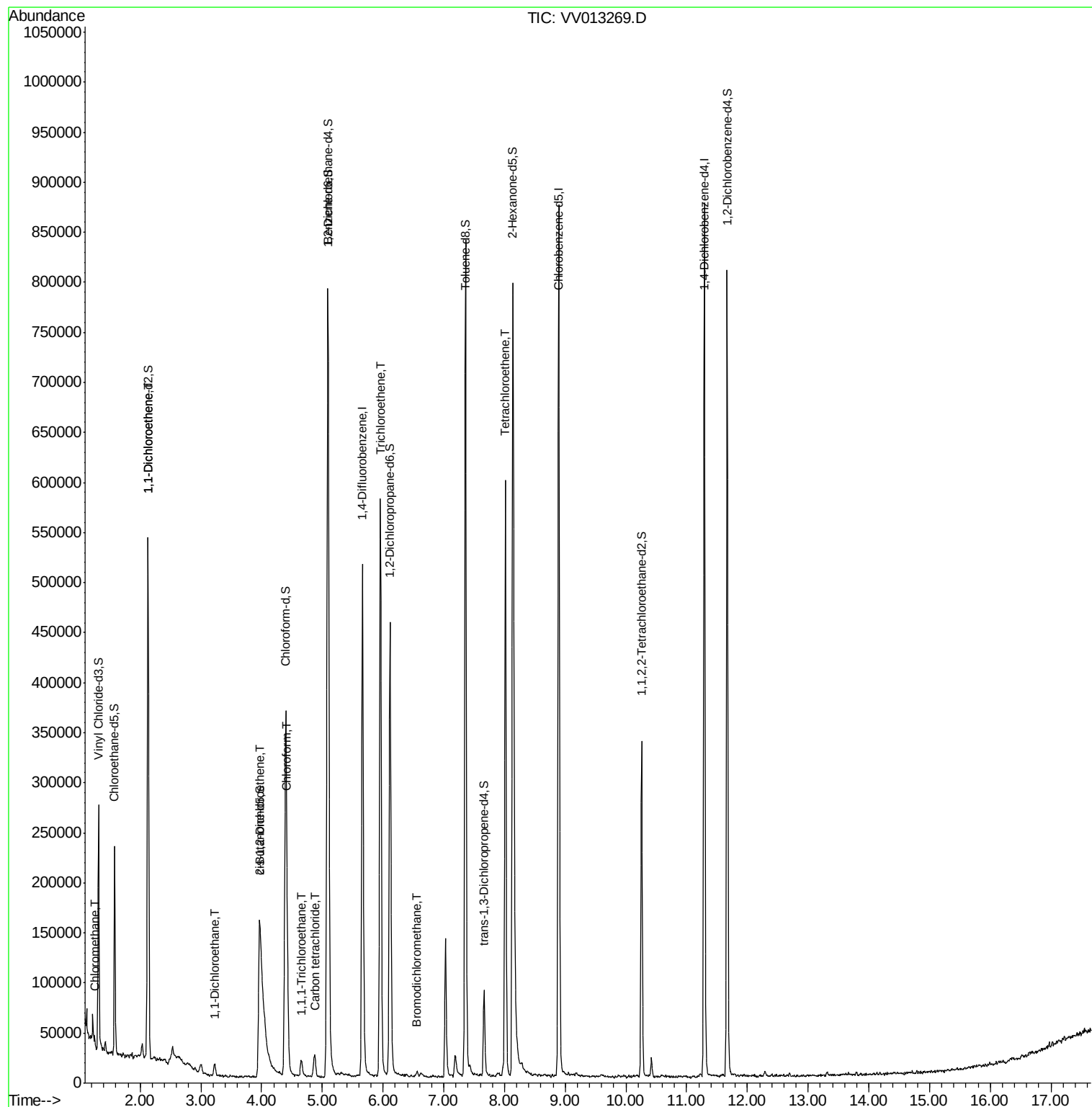
					Ovalue
3) Chloromethane	1.25	50	8469	0.196	ug/L 100
12) 1,1-Dichloroethene	2.14	96	72642	2.051	ug/L # 51
19) 1,1-Dichloroethane	3.23	63	11842	0.174	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	24031	0.538	ug/L # 99
25) Chloroform	4.42	83	61650	0.697	ug/L 98
29) 1,1,1-Trichloroethane	4.66	97	12122	0.166	ug/L 99
31) Carbon tetrachloride	4.87	117	16640	0.253	ug/L 98
34) Trichloroethene	5.96	95	200477	3.952	ug/L 98
38) Bromodichloromethane	6.55	83	4075	0.069	ug/L 89
47) Tetrachloroethene	8.02	164	140841	3.058	ug/L 93

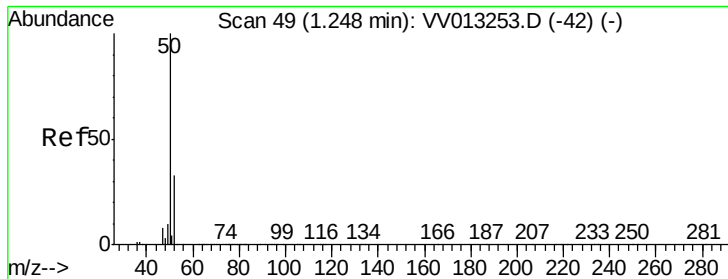
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 03:42:02 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.196 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

Instrument :

MSVOA_V

ClientSampled :

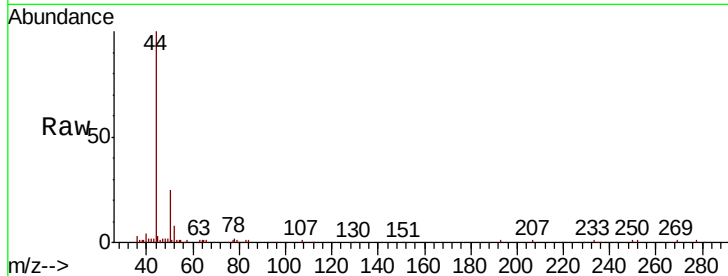
C0K16

Tot Ion: 50 Resp: 8469

Ion Ratio Lower Upper

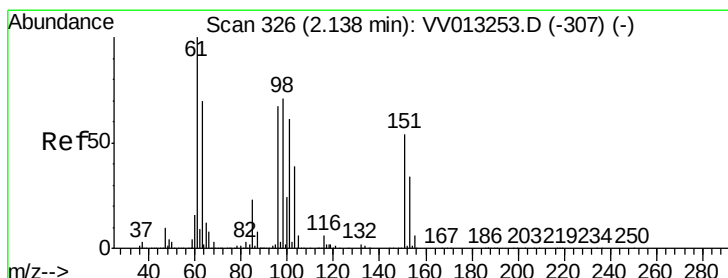
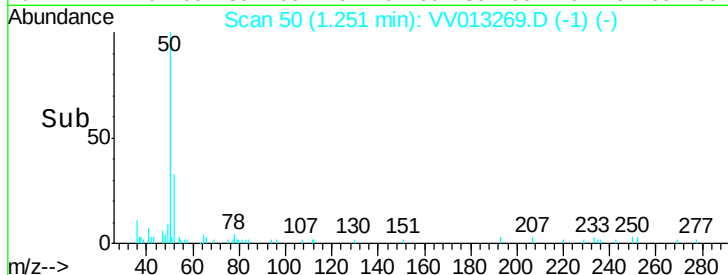
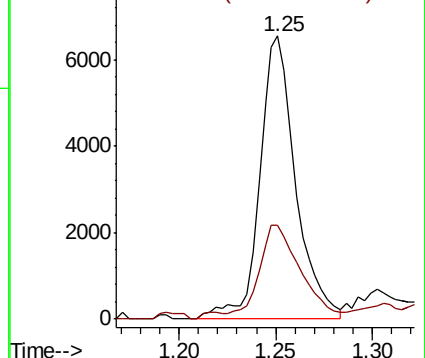
50 100

52 33.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#12

1,1-Dichloroethene

Concen: 2.051 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

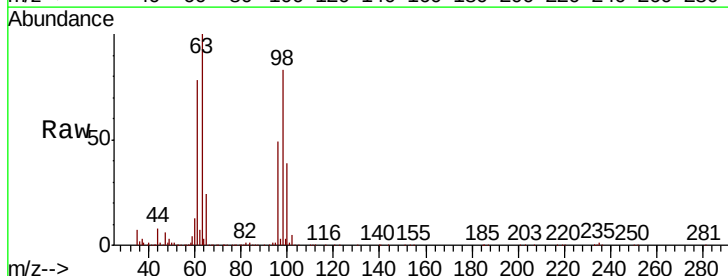
Tgt Ion: 96 Resp: 72642

Ion Ratio Lower Upper

96 100

61 159.3 104.0 193.1

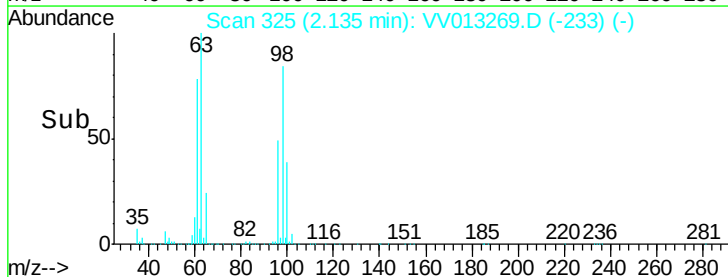
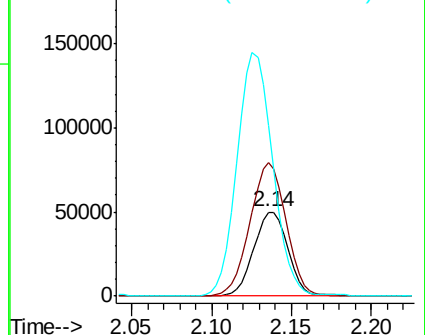
63 203.7 67.1 124.5#

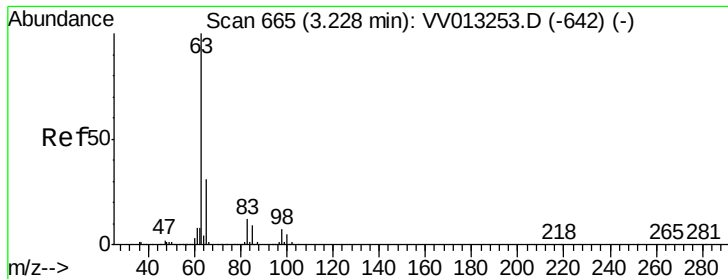


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#19

1,1-Dichloroethane

Concen: 0.174 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

Instrument :

MSVOA_V

ClientSampleId :

C0K16

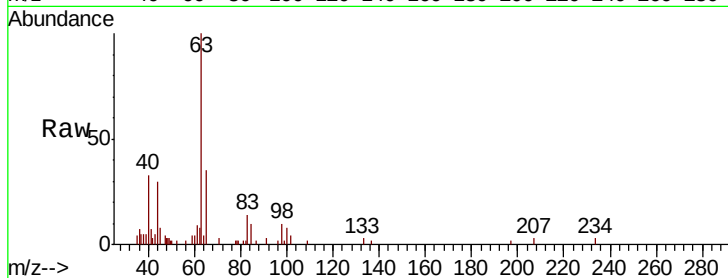
Tot Ion: 63 Resp: 11842

Ion Ratio Lower Upper

63 100

65 34.7 23.0 42.8

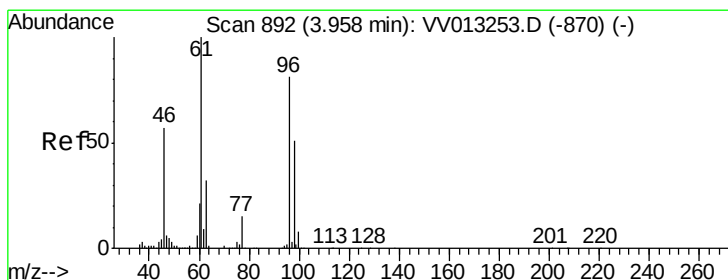
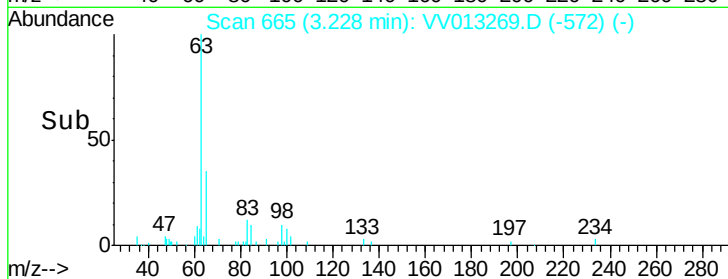
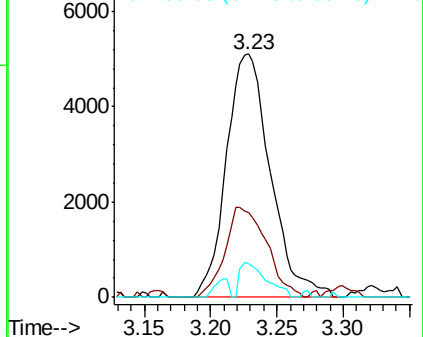
83 13.8 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.538 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

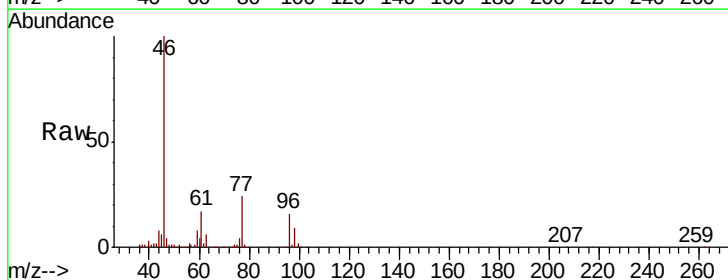
Tgt Ion: 96 Resp: 24031

Ion Ratio Lower Upper

96 100

61 111.6 77.3 143.7

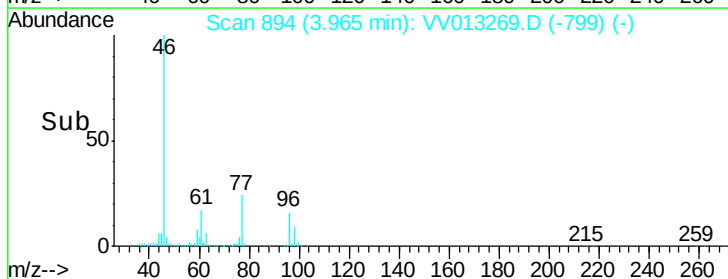
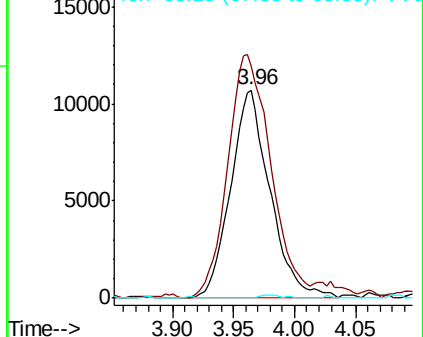
68 0.0 0.1 0.1#

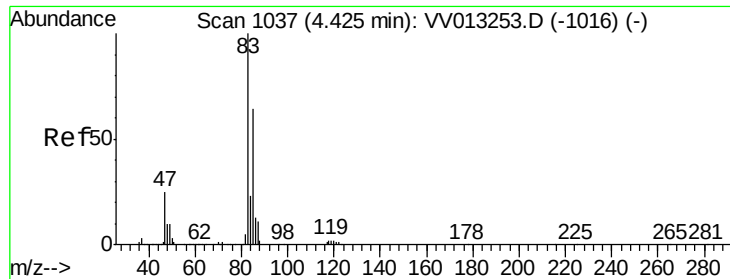


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

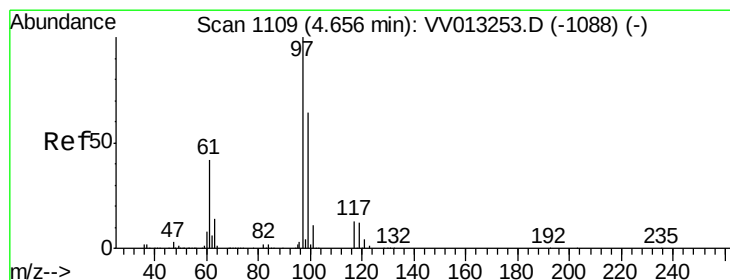
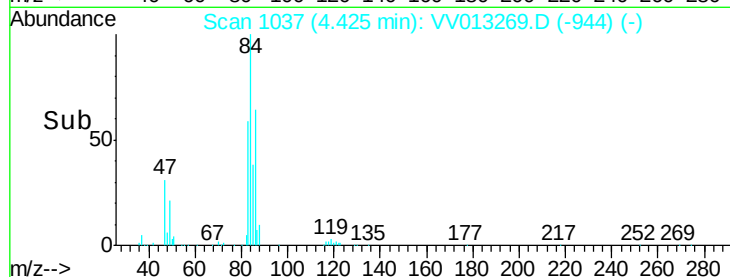
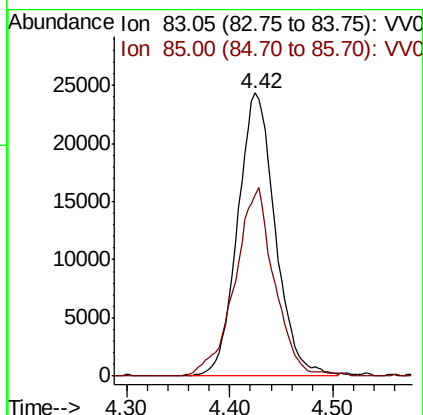
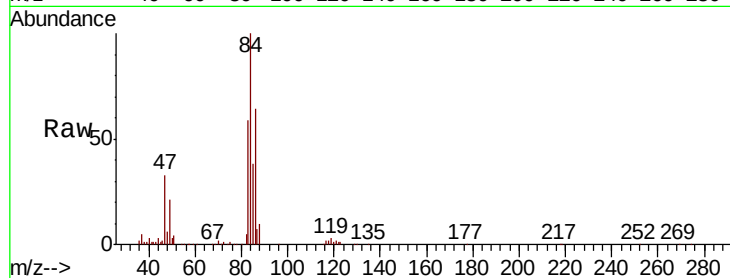




#25
Chloroform
Concen: 0.697 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013269.D
Acq: 22 Oct 2019 02:10

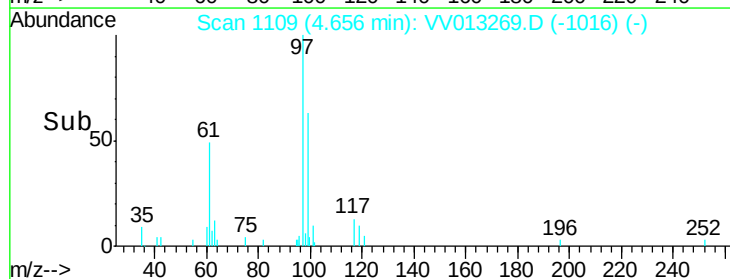
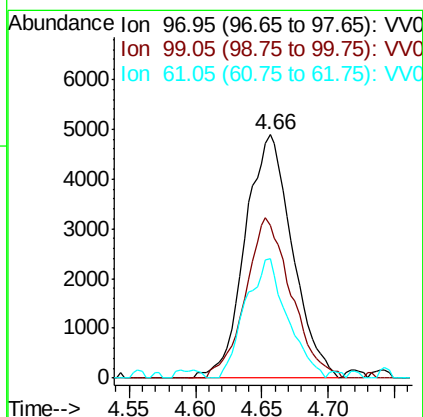
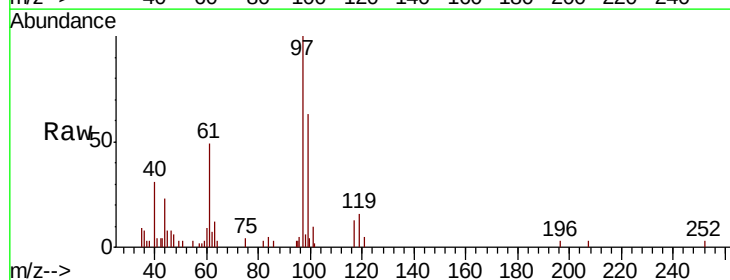
Instrument :
MSVOA_V
ClientSampled :
C0K16

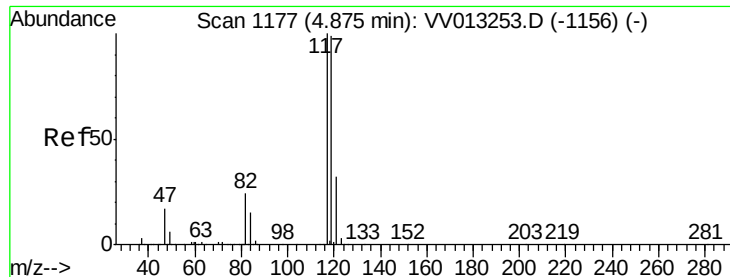
Tot Ion: 83 Resp: 61650
Ion Ratio Lower Upper
83 100
85 64.1 45.7 84.9



#29
1,1,1-Trichloroethane
Concen: 0.166 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013269.D
Acq: 22 Oct 2019 02:10

Tgt Ion: 97 Resp: 12122
Ion Ratio Lower Upper
97 100
99 63.6 51.7 77.5
61 43.5 34.3 51.5





#31

Carbon tetrachloride

Concen: 0.253 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

Instrument :

MSVOA_V

ClientSampleId :

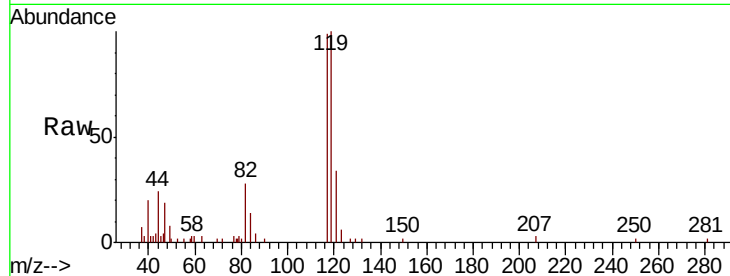
C0K16

Tot Ion:117 Resp: 16640

Ion Ratio Lower Upper

117 100

119 99.1 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

6000

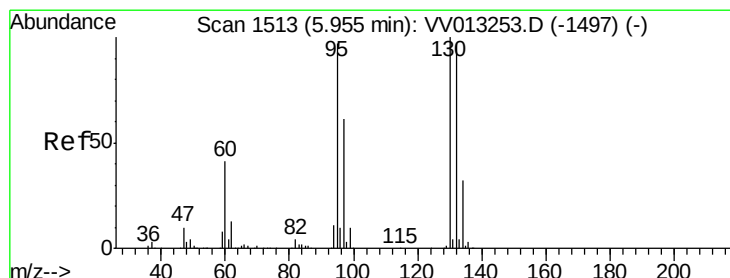
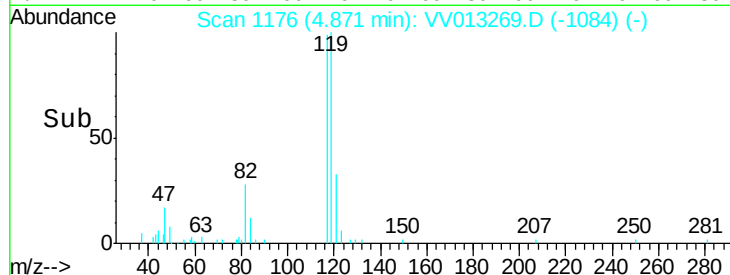
4000

2000

0

Time-->

4.80 4.85 4.90 4.95



#34

Trichloroethene

Concen: 3.952 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

Tgt Ion: 95 Resp: 200477

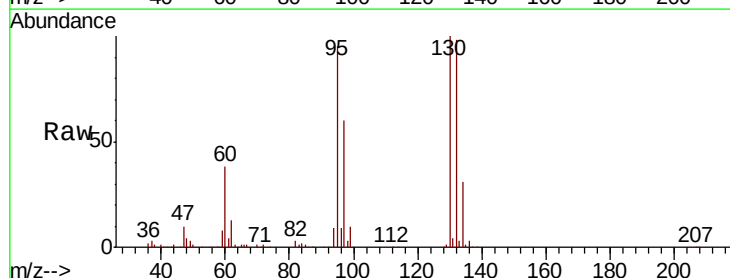
Ion Ratio Lower Upper

95 100

97 63.5 45.2 84.0

132 103.2 70.6 131.2

130 105.4 75.5 140.3



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

150000

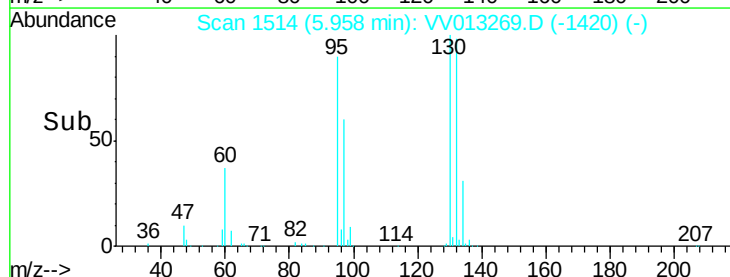
100000

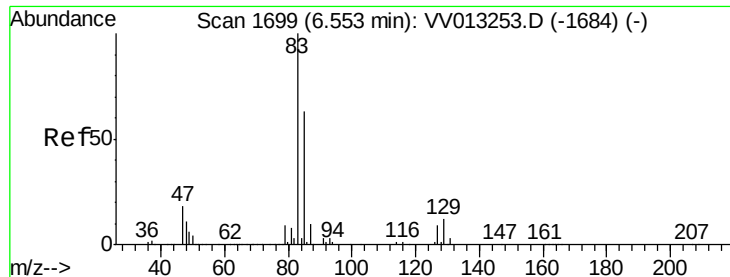
50000

0

Time-->

5.90 5.95 6.00 6.10





#38

Bromodichloromethane

Concen: 0.069 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

Instrument :

MSVOA_V

ClientSampled :

C0K16

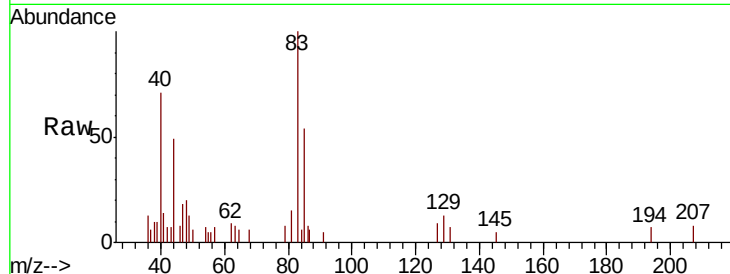
Tot Ion: 83 Resp: 4075

Ion Ratio Lower Upper

83 100

85 54.0 44.4 82.5

127 8.8 6.6 10.0

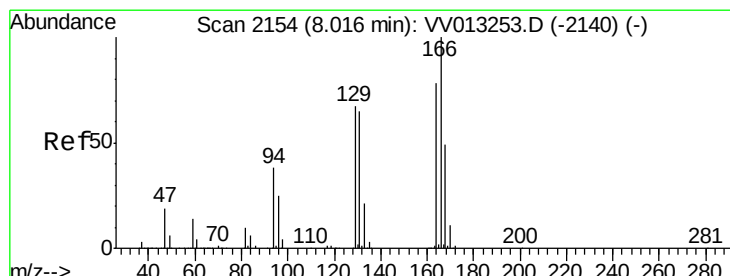
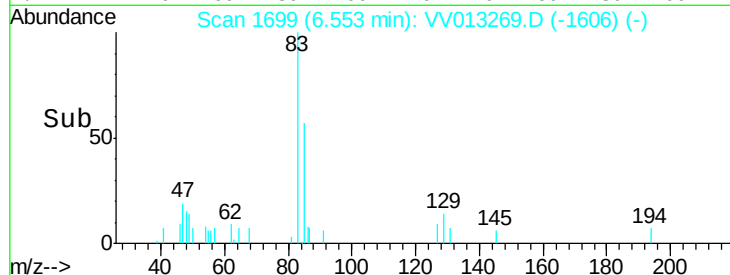


Abundance Ion 82.95 (82.65 to 83.65): VV013253.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV013253.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV013253.D (-1684) (-)

Time-->



#47

Tetrachloroethene

Concen: 3.058 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013269.D

Acq: 22 Oct 2019 02:10

Tgt Ion: 164 Resp: 140841

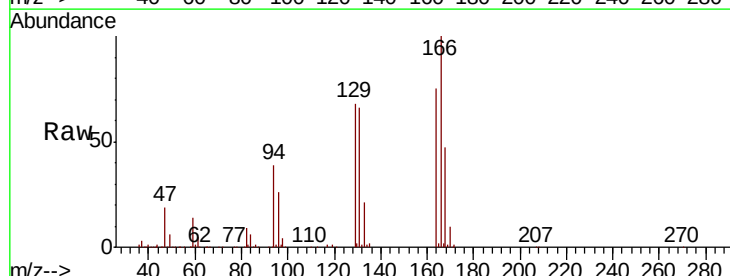
Ion Ratio Lower Upper

164 100

129 91.3 61.0 113.2

131 89.0 57.5 106.9

166 134.2 87.8 163.0



Abundance Ion 163.90 (163.60 to 164.60): VV013253.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV013253.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV013253.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV013253.D (-2140) (-)

Time-->

