

Data File : VV013268.D
Acq On : 22 Oct 2019 01:46
Operator : SY/MD
Sample : K5457-10
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K15

Quant Time: Oct 22 03:58:07 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	476973	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	522440	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	255218	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	160041	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	143183	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	220407	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.97	46	425815	63.05	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.10%
24) Chloroform-d	4.40	84	376676	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	186873	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.10	84	736014	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.12	67	233105	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	583431	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.66	79	53231	2.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.20%
46) 2-Hexanone-d5	8.13	63	267896	39.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	168690	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	241648	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

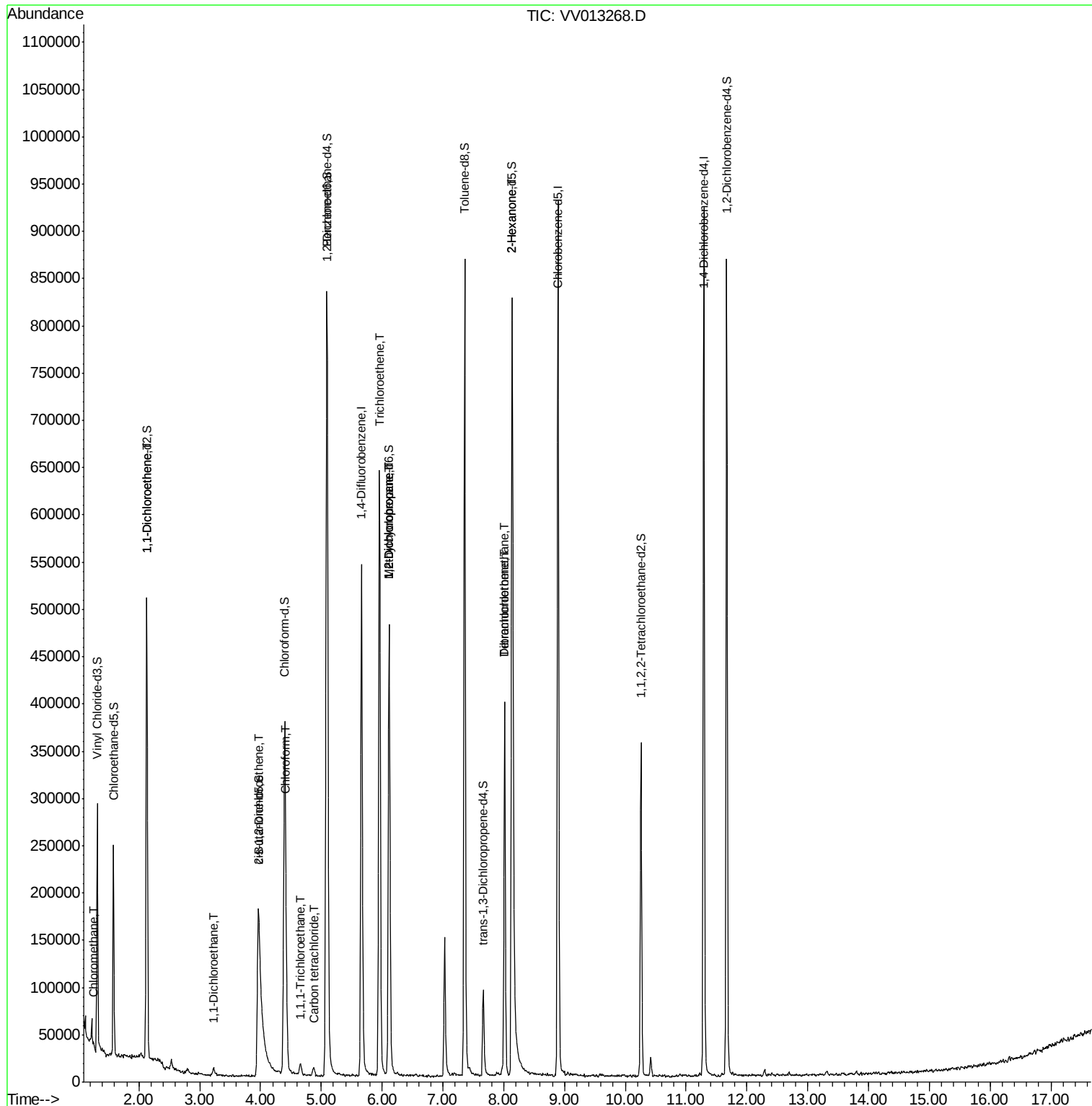
					Qvalue
3) Chloromethane	1.25	50	5607	0.123 ug/L	91
12) 1,1-Dichloroethene	2.14	96	50450	1.345 ug/L #	52
19) 1,1-Dichloroethane	3.23	63	7464	0.104 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	28412	0.600 ug/L #	87
25) Chloroform	4.42	83	45545	0.486 ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	9302	0.120 ug/L	98
31) Carbon tetrachloride	4.88	117	6457	0.093 ug/L	98
34) Trichloroethene	5.96	95	219703	4.104 ug/L	97
35) Methylcyclohexane	6.11	83	58433	0.709 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	24290	0.501 ug/L #	88
47) Tetrachloroethene	8.02	164	95462	1.964 ug/L	95
48) 2-Hexanone	8.14	43	39888	2.256 ug/L #	67
49) Dibromochloromethane	8.02	129	81224	1.906 ug/L #	11

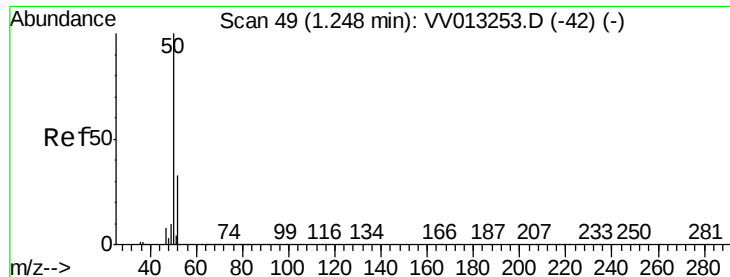
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV013268.D
Acq On : 22 Oct 2019 01:46
Operator : SY/MD
Sample : K5457-10
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K15

Quant Time: Oct 22 03:58:07 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





#3

Chloromethane

Concen: 0.123 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Instrument :

MSVOA_V

ClientSampleId :

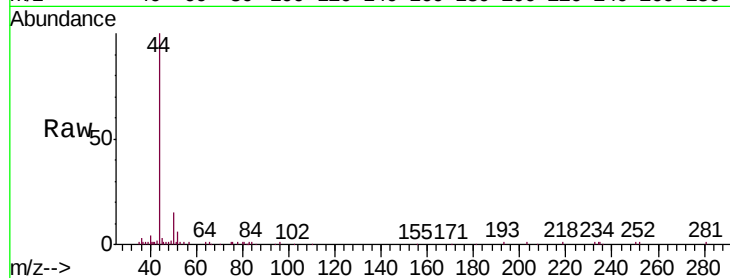
C0K15

Tgt Ion: 50 Resp: 5607

Ion Ratio Lower Upper

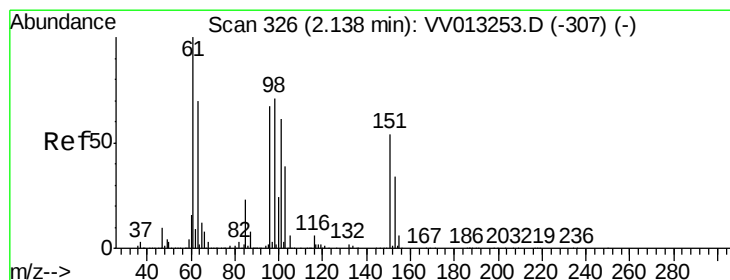
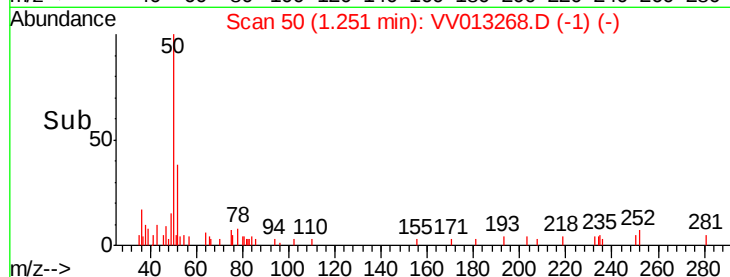
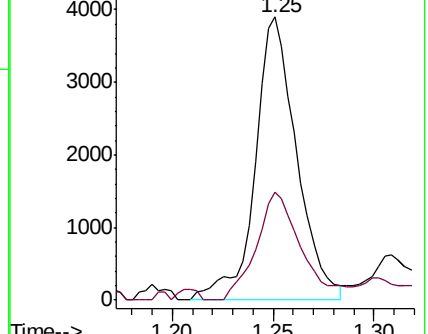
50 100

52 38.3 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: 1.345 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

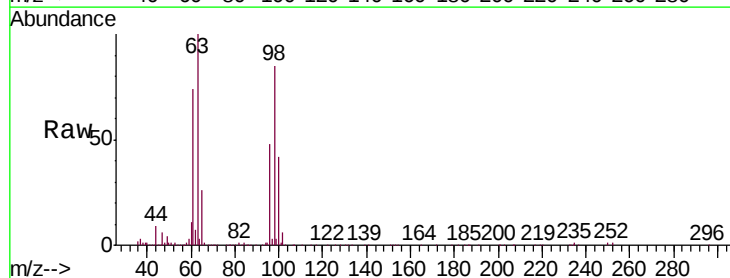
Tgt Ion: 96 Resp: 50450

Ion Ratio Lower Upper

96 100

61 154.5 104.0 193.1

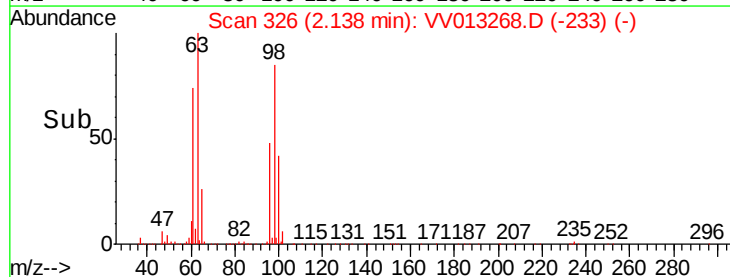
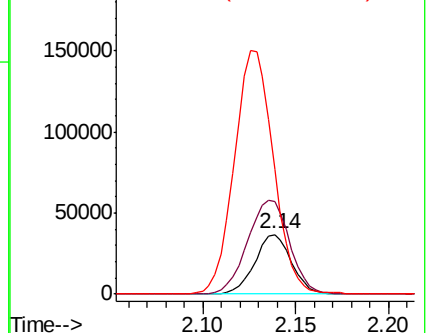
63 208.2 67.1 124.5#

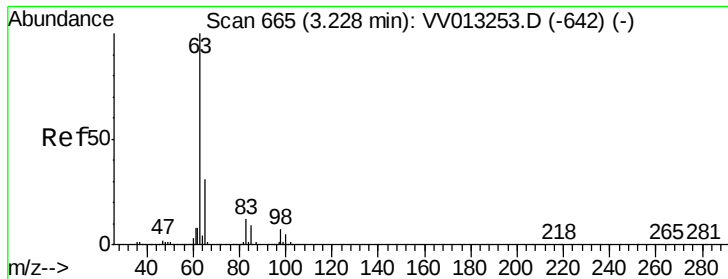


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

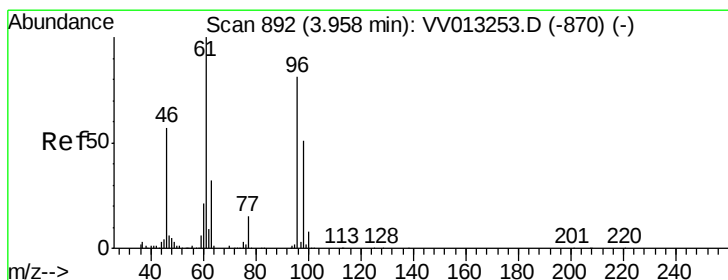
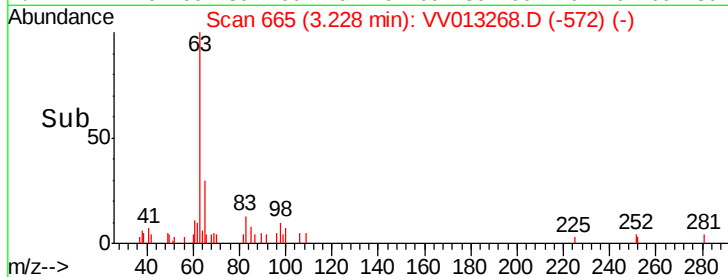
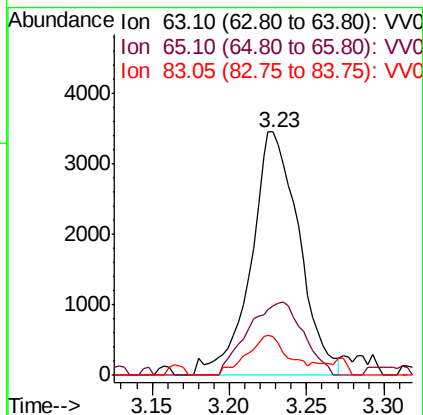
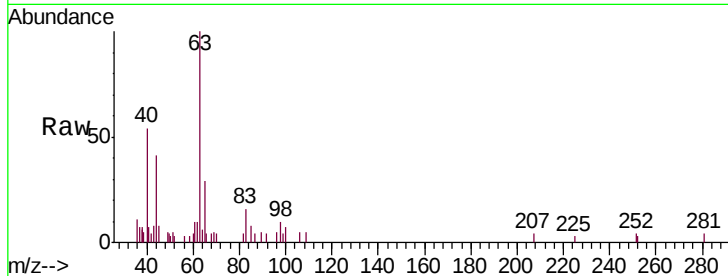




#19
 1,1-Dichloroethane
 Concen: 0.104 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013268.D
 Acq: 22 Oct 2019 01:46

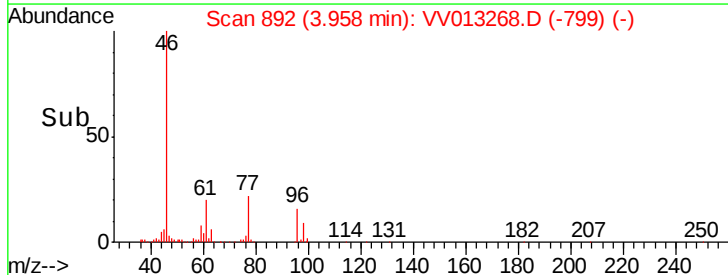
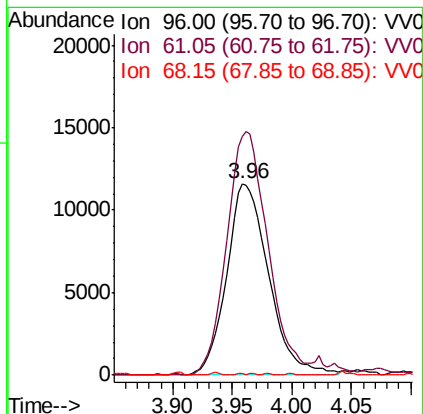
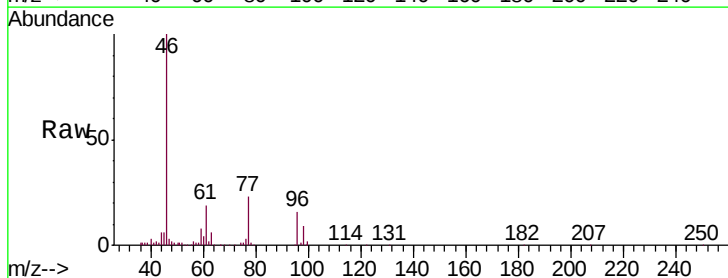
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K15

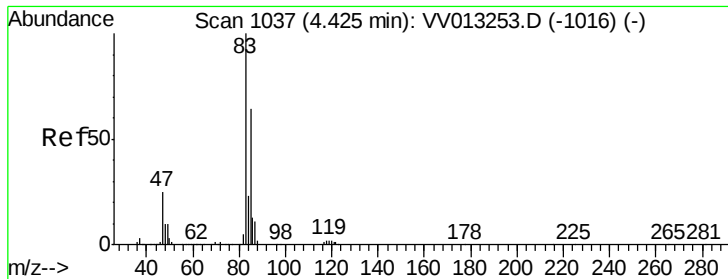
Tgt Ion: 63 Resp: 7464
 Ion Ratio Lower Upper
 63 100
 65 27.2 23.0 42.8
 83 15.1 10.2 19.0



#22
 cis-1,2-Dichloroethene
 Concen: 0.600 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013268.D
 Acq: 22 Oct 2019 01:46

Tgt Ion: 96 Resp: 28412
 Ion Ratio Lower Upper
 96 100
 61 124.5 77.3 143.7
 68 0.9 0.1 0.1#





#25

Chloroform

Concen: 0.486 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Instrument :

MSVOA_V

ClientSampleId :

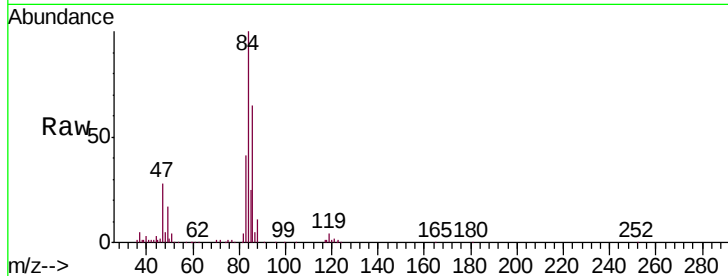
C0K15

Tgt Ion: 83 Resp: 45545

Ion Ratio Lower Upper

83 100

85 61.5 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

20000

15000

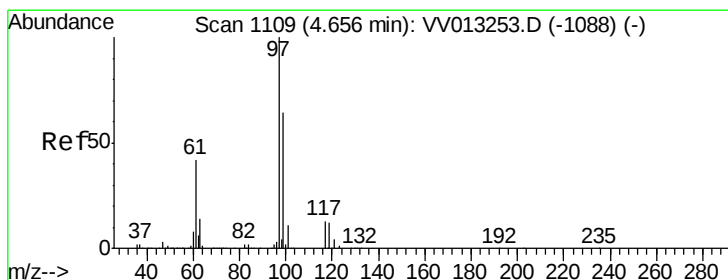
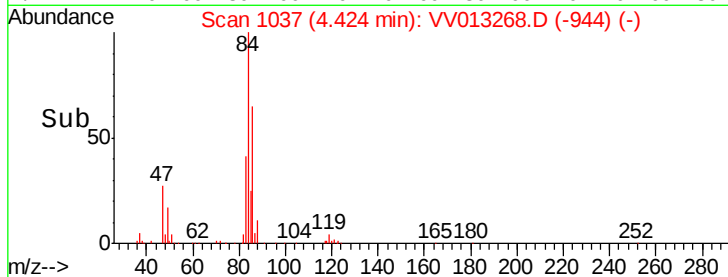
10000

5000

0

4.35 4.40 4.45 4.50

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.120 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

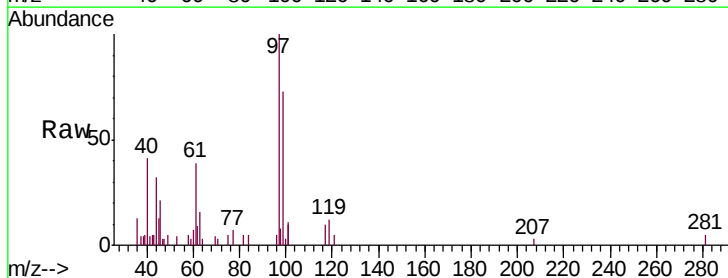
Tgt Ion: 97 Resp: 9302

Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

61 40.6 34.3 51.5



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0

5000

4000

3000

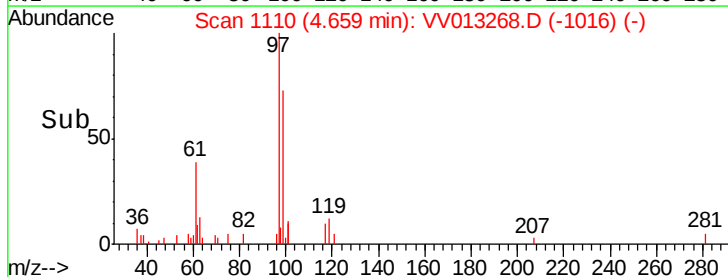
2000

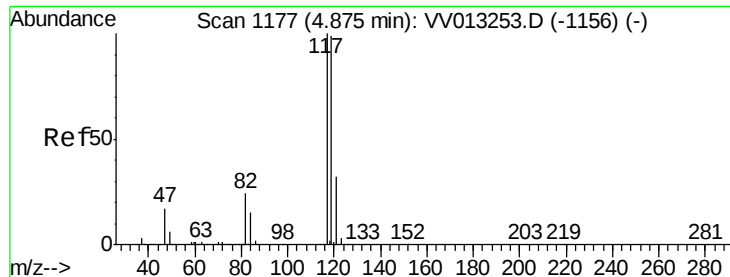
1000

0

4.60 4.65 4.70

Time-->





#31

Carbon tetrachloride

Concen: 0.093 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Instrument :

MSVOA_V

ClientSampleId :

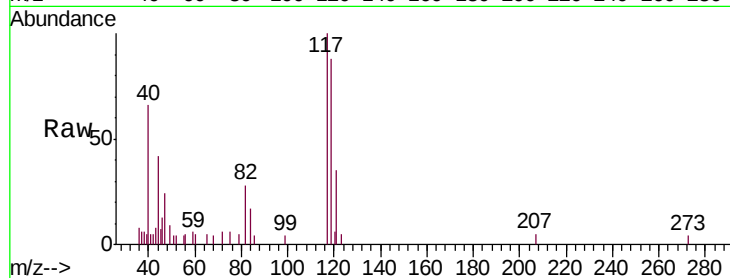
C0K15

Tgt Ion:117 Resp: 6457

Ion Ratio Lower Upper

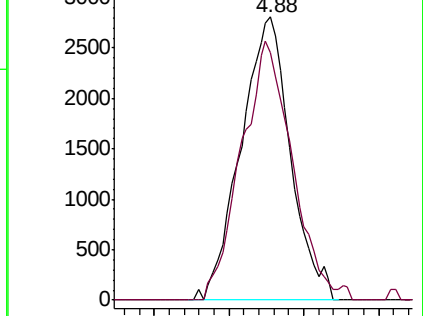
117 100

119 94.7 77.4 116.0

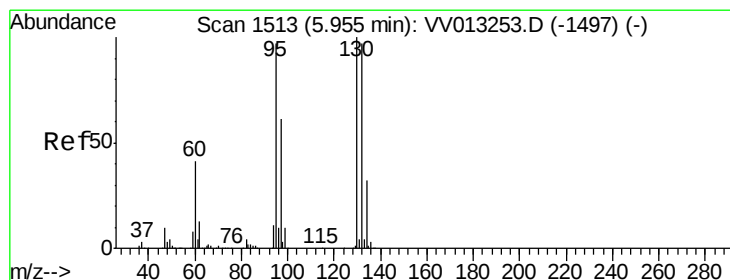
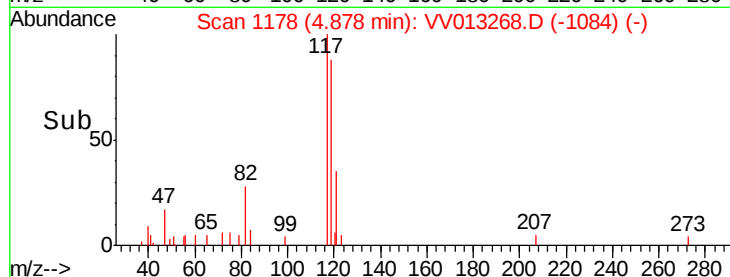


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#34

Trichloroethene

Concen: 4.104 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Tgt Ion: 95 Resp: 219703

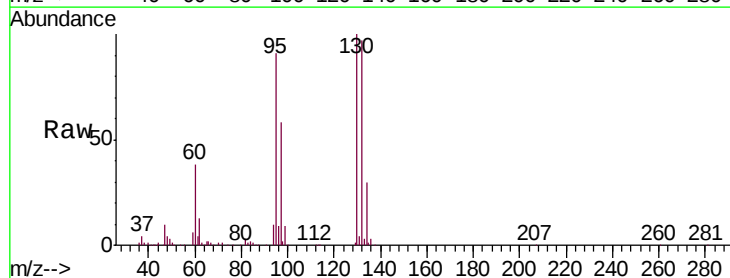
Ion Ratio Lower Upper

95 100

97 64.2 45.2 84.0

132 107.2 70.6 131.2

130 110.2 75.5 140.3

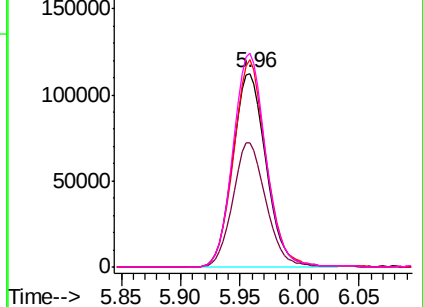


Abundance Ion 95.00 (94.70 to 95.70): VV0

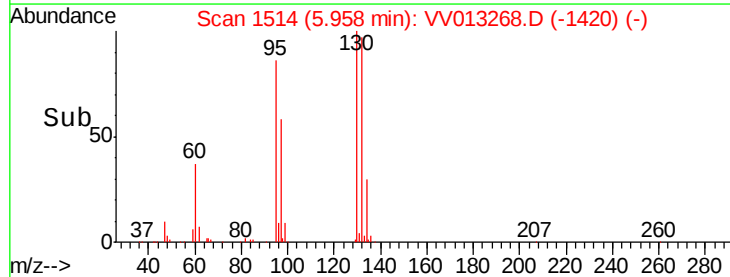
Ion 96.95 (96.65 to 97.65): VV0

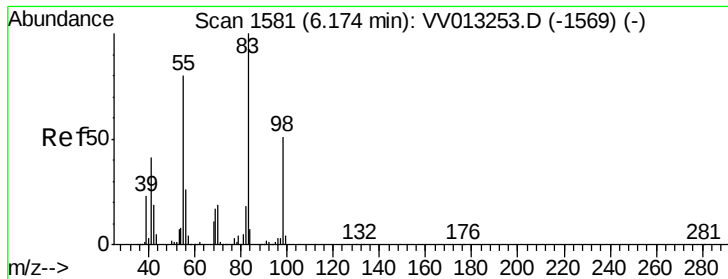
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->





#35

Methylcyclohexane

Concen: 0.709 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Instrument :

MSVOA_V

ClientSampleId :

C0K15

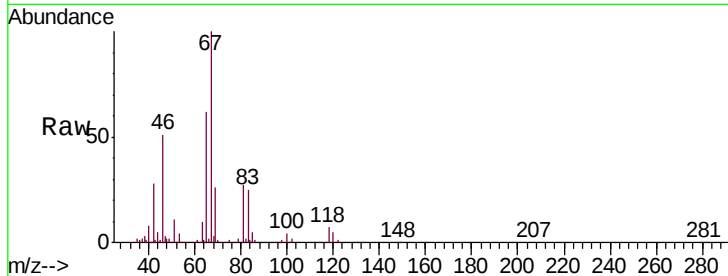
Tgt Ion: 83 Resp: 58433

Ion Ratio Lower Upper

83 100

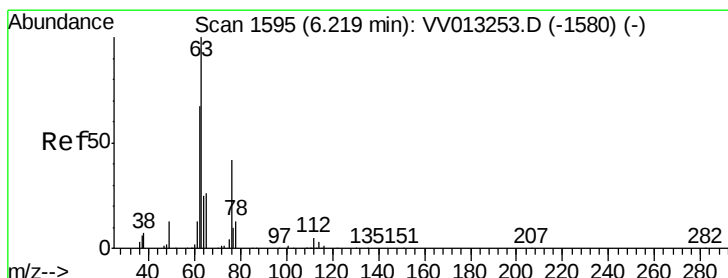
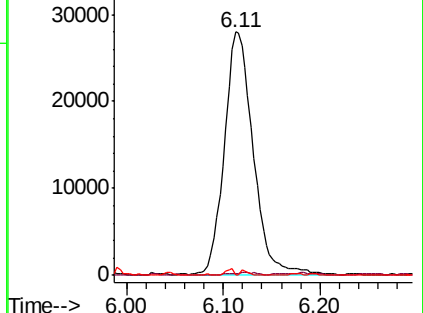
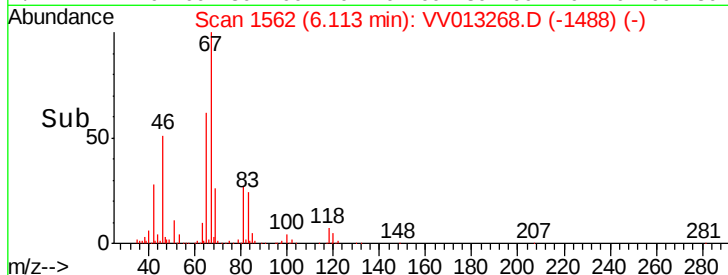
55 0.4 62.4 93.6#

98 0.8 39.2 58.8#



Abundance Ion 83.15 (82.85 to 83.85): VV013268.D (-1562) (-)

6.11



#37

1,2-Dichloropropane

Concen: 0.501 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013268.D

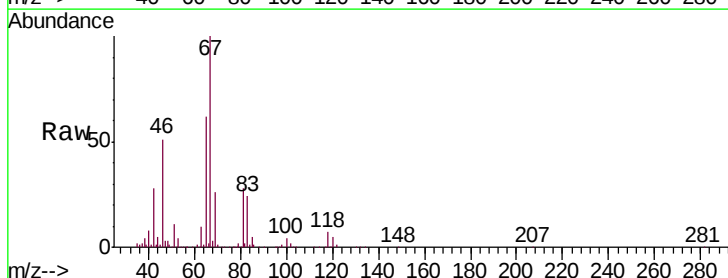
Acq: 22 Oct 2019 01:46

Tgt Ion: 63 Resp: 24290

Ion Ratio Lower Upper

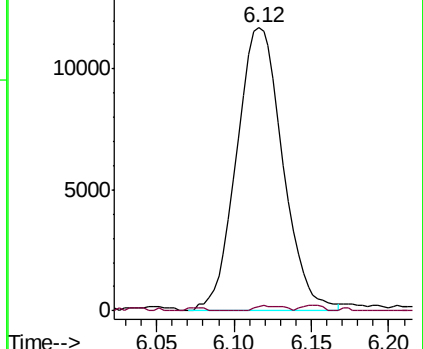
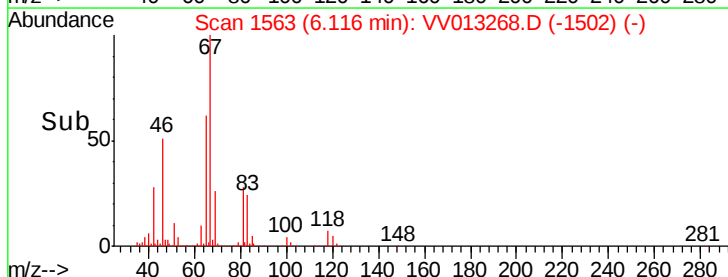
63 100

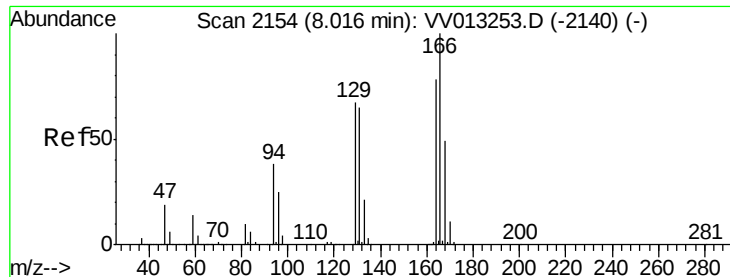
112 1.1 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV013268.D (-1595) (-)

6.12





#47

Tetrachloroethene

Concen: 1.964 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Instrument :

MSVOA_V

ClientSampleId :

C0K15

Tgt Ion:164 Resp: 95462

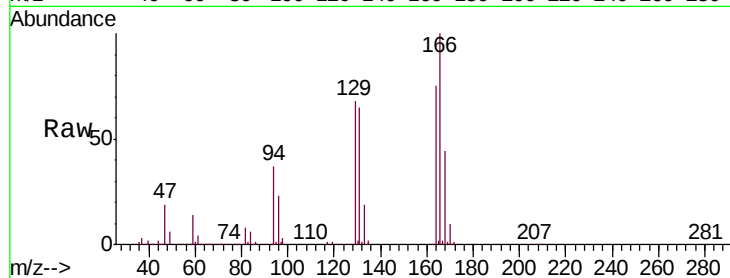
Ion Ratio Lower Upper

164 100

129 90.5 61.0 113.2

131 85.9 57.5 106.9

166 132.7 87.8 163.0

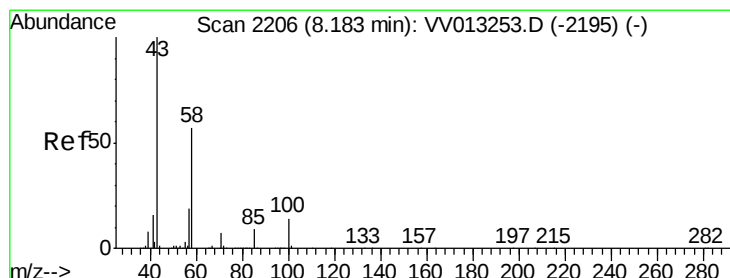
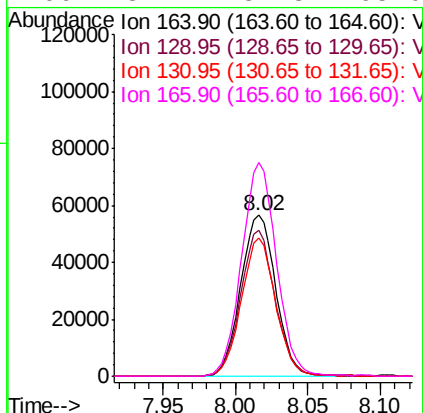
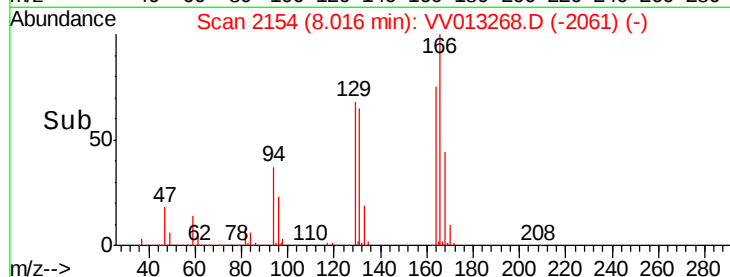


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.256 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Tgt Ion: 43 Resp: 39888

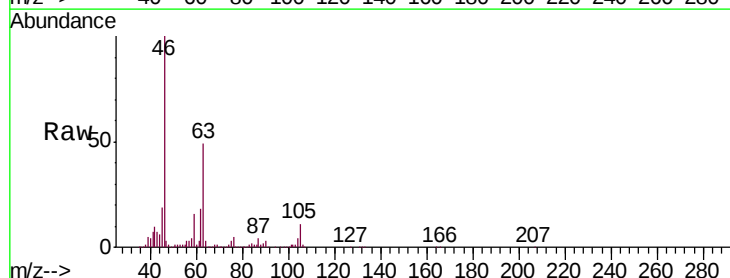
Ion Ratio Lower Upper

43 100

58 78.5 45.1 67.7#

57 42.8 15.5 23.3#

100 5.6 10.2 15.2#

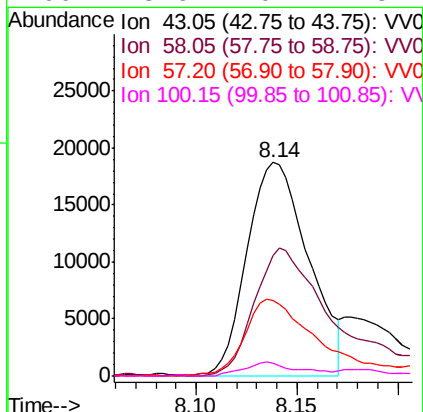
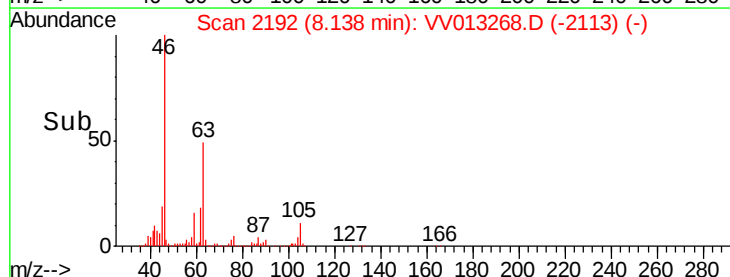


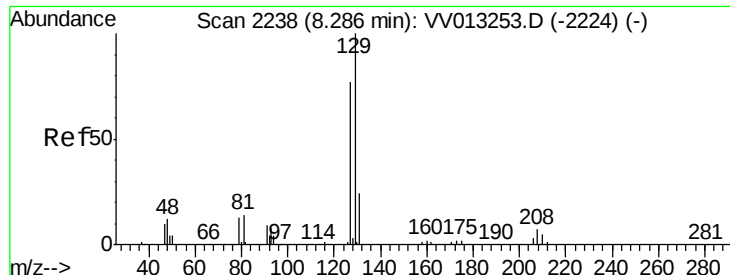
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 1.906 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013268.D

Acq: 22 Oct 2019 01:46

Instrument :

MSVOA_V

ClientSampleId :

C0K15

Tgt Ion:129 Resp: 81224

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

