

Data File : VV013257.D
Acq On : 21 Oct 2019 21:22
Operator : SY/MD
Sample : K5457-16
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K21

Quant Time: Oct 22 03:56:25 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	424812	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	459601	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	232151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	170444	5.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.80%
7) Chloroethane-d5	1.58	69	143774	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.13	63	233182	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	3.97	46	455997	75.81	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	151.62%#
24) Chloroform-d	4.40	84	386376	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.08	65	190344	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.09	84	781723	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.12	67	241333	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.36	98	658255	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.66	79	79217	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.14	63	314468	52.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	166245	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	259058	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5436	0.133 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2992	0.085 ug/L #	18
12) 1,1-Dichloroethene	2.14	96	37867	1.134 ug/L #	1
14) Carbon disulfide	2.31	76	3841	0.040 ug/L #	86
19) 1,1-Dichloroethane	3.23	63	10284	0.161 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	91900	2.181 ug/L #	86
27) 1,2-Dichloroethane	5.10	62	4529	0.102 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	17106	0.252 ug/L	96
34) Trichloroethene	5.96	95	63870	1.356 ug/L	94
35) Methylcyclohexane	6.11	83	56709	0.783 ug/L #	19
37) 1,2-Dichloropropane	6.11	63	26559	0.623 ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	3556	0.078 ug/L #	73
47) Tetrachloroethene	8.02	164	13582	0.318 ug/L	98
48) 2-Hexanone	8.14	43	50771	3.264 ug/L #	74
49) Dibromochloromethane	8.02	129	11803	0.315 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102119\
Quantitation Report (Not Reviewed)

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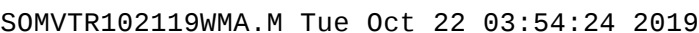
Instrument :
MSVOA_V
ClientSampleId :
C0K21

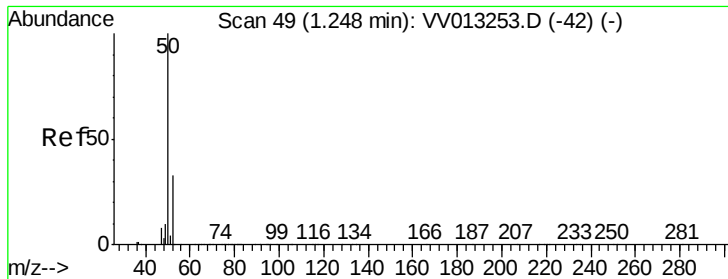
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quant Time: Oct 22 03:56:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
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#3

Chloromethane

Concen: 0.133 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

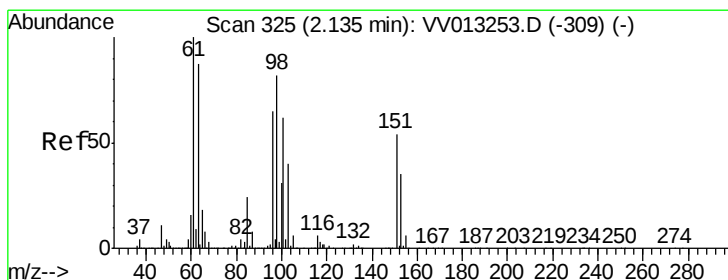
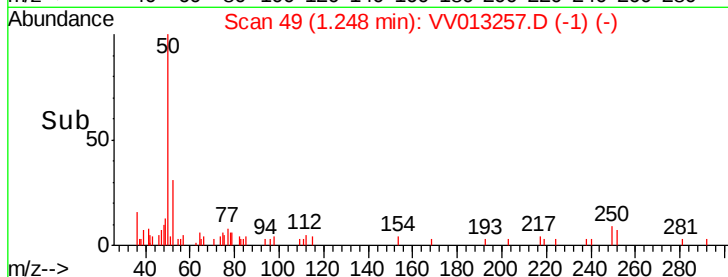
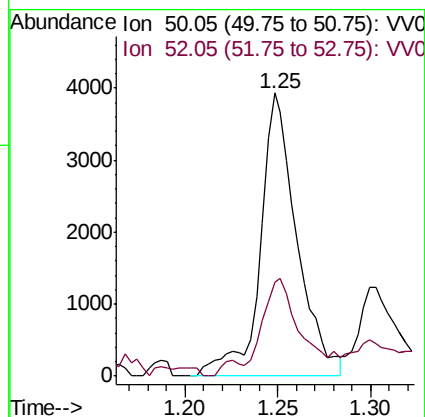
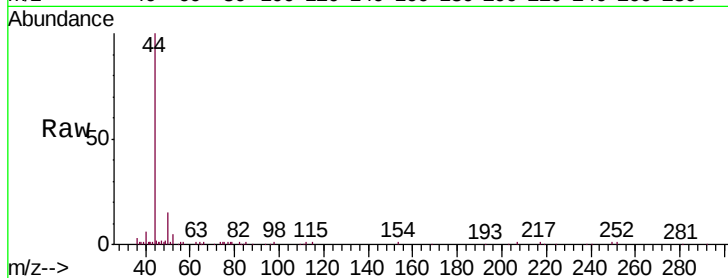
C0K21

Tgt Ion: 50 Resp: 5436

Ion Ratio Lower Upper

50 100

52 33.2 23.3 43.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.085 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

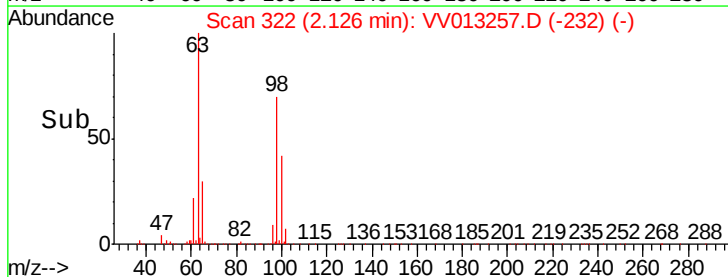
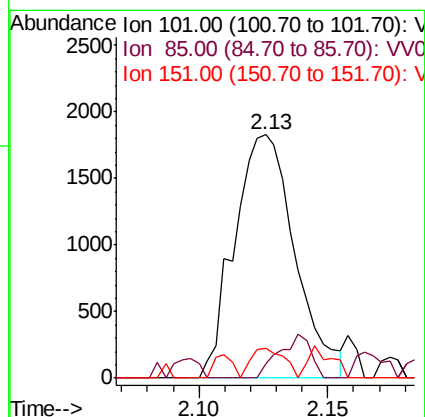
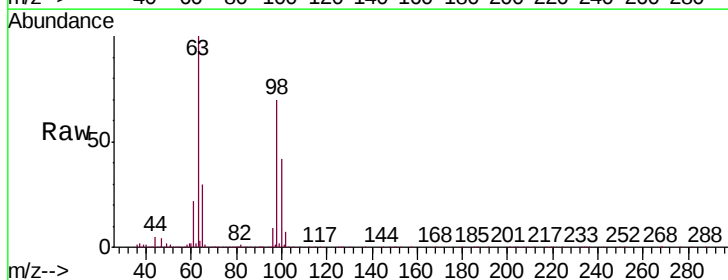
Tgt Ion: 101 Resp: 2992

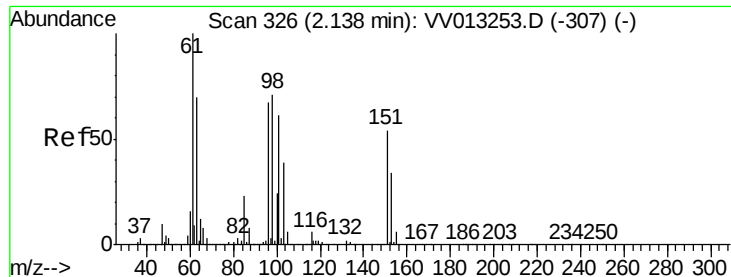
Ion Ratio Lower Upper

101 100

85 0.0 31.8 47.8#

151 6.7 72.9 109.3#





#12

1,1-Dichloroethene

Concen: 1.134 ug/L

RT: 2.14 min Scan# 325

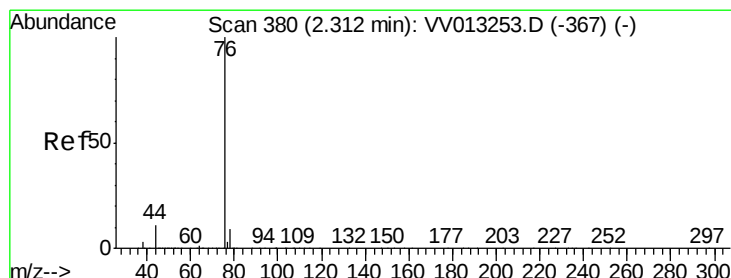
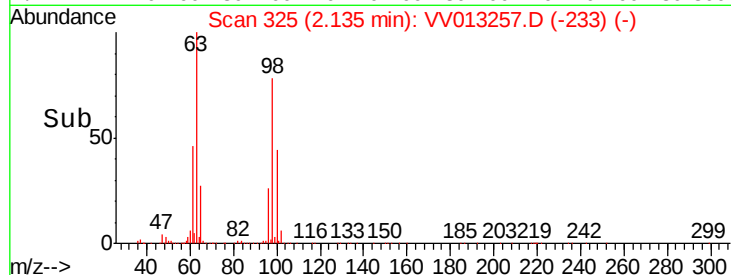
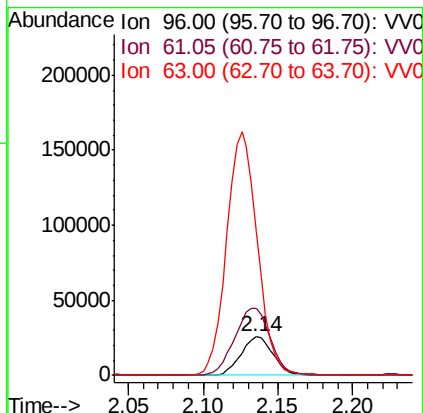
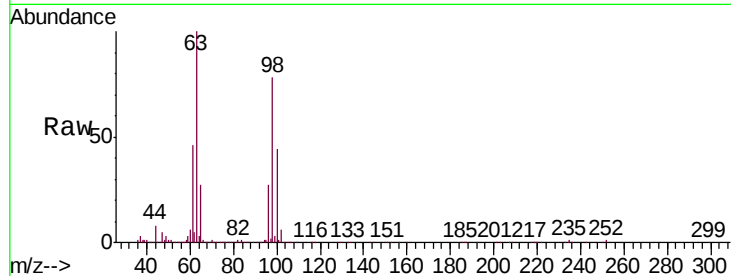
Delta R.T. -0.00 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Instrument :
MSVOA_V
ClientSampleId :
C0K21

Tgt Ion:	96	Resp:	37867
Ion	Ratio	Lower	Upper
96	100		
61	173.0	104.0	193.1
63	374.4	67.1	124.5#



#14

Carbon disulfide

Concen: 0.040 ug/L

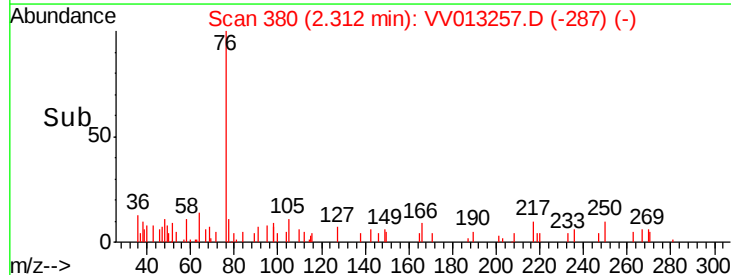
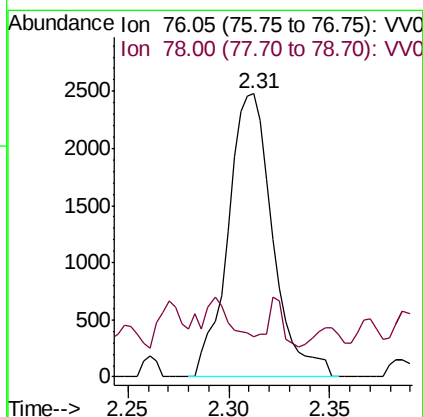
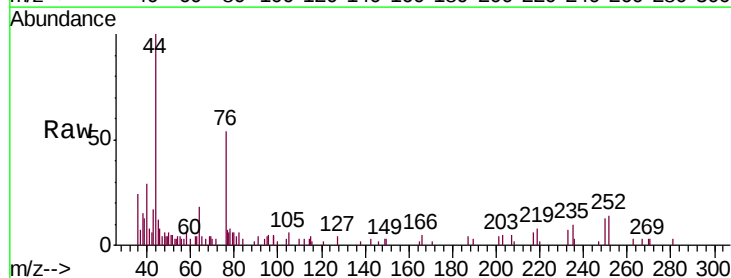
RT: 2.31 min Scan# 380

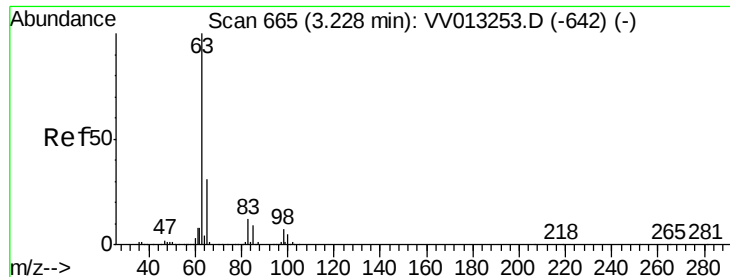
Delta R.T. 0.00 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Tgt Ion:	76	Resp:	3841
Ion	Ratio	Lower	Upper
76	100		
78	14.2	7.3	10.9#

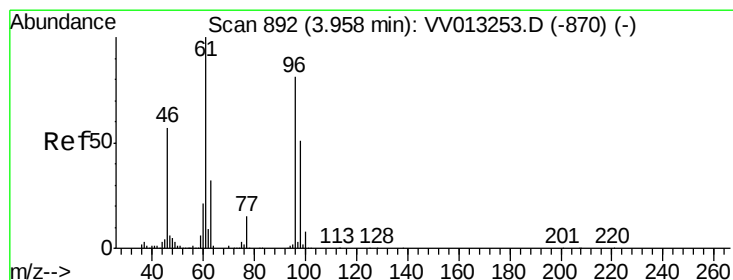
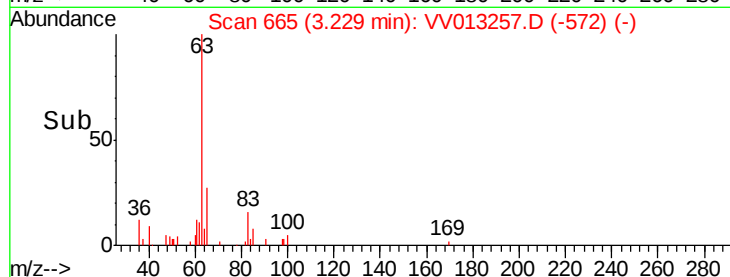
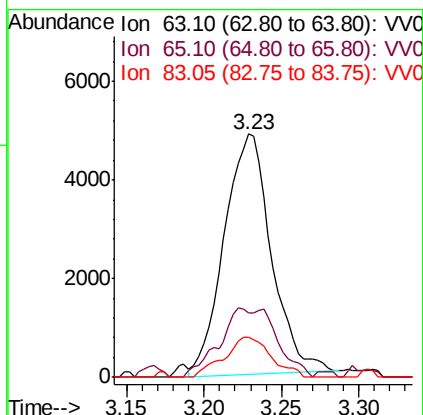
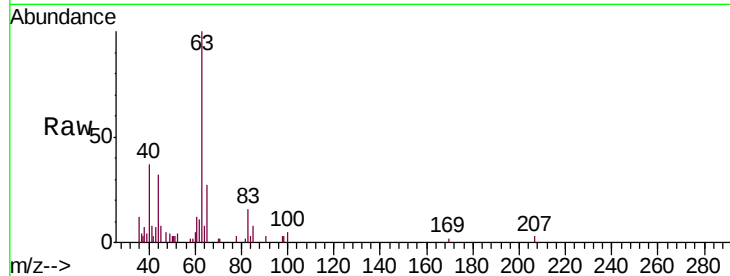




#19
 1,1-Dichloroethane
 Concen: 0.161 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013257.D
 Acq: 21 Oct 2019 21:22

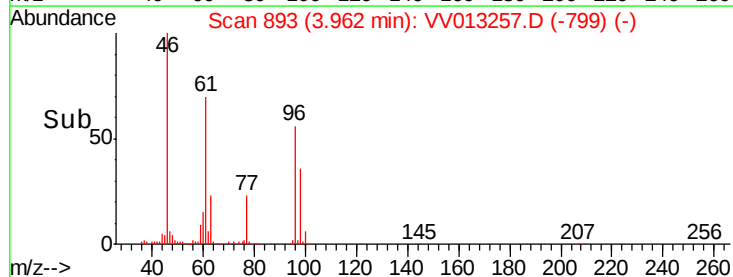
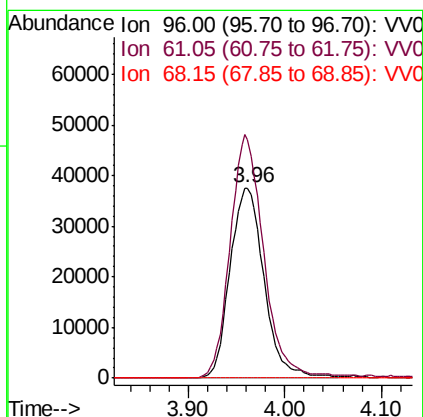
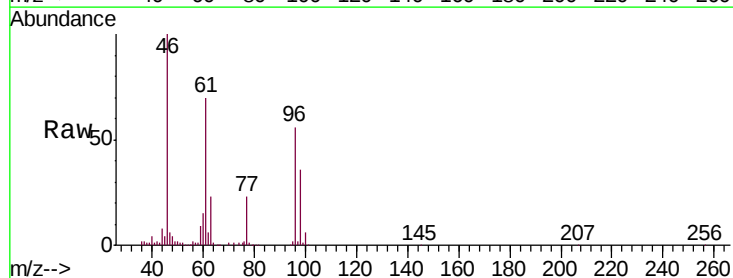
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K21

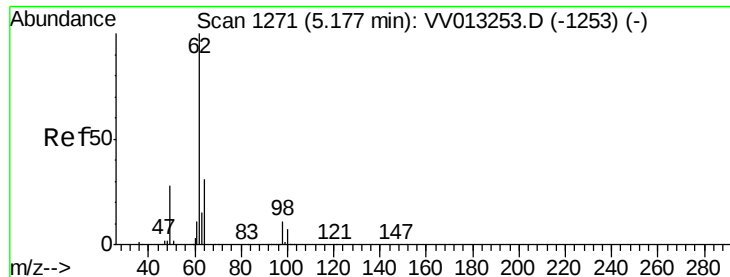
Tgt Ion:	63	Resp:	10284
Ion	Ratio	Lower	Upper
63	100		
65	26.6	23.0	42.8
83	16.3	10.2	19.0



#22
 cis-1,2-Dichloroethene
 Concen: 2.181 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013257.D
 Acq: 21 Oct 2019 21:22

Tgt Ion:	96	Resp:	91900
Ion	Ratio	Lower	Upper
96	100		
61	125.3	77.3	143.7
68	0.0	0.1	0.1#





#27

1,2-Dichloroethane

Concen: 0.102 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

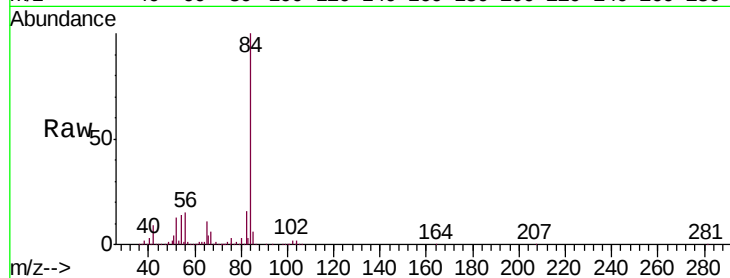
C0K21

Tgt Ion: 62 Resp: 4529

Ion Ratio Lower Upper

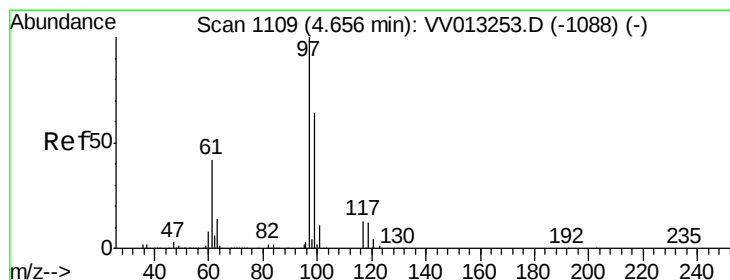
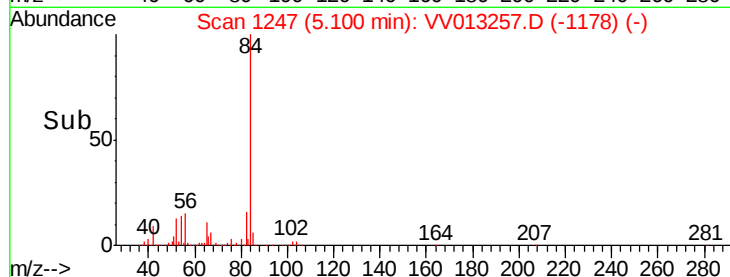
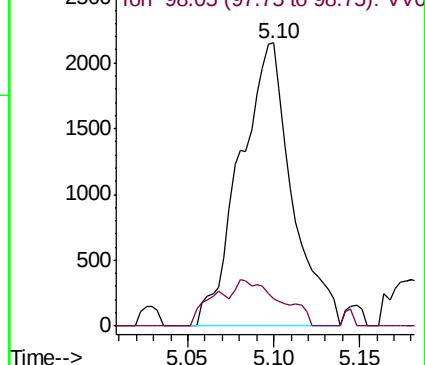
62 100

98 9.6 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.252 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

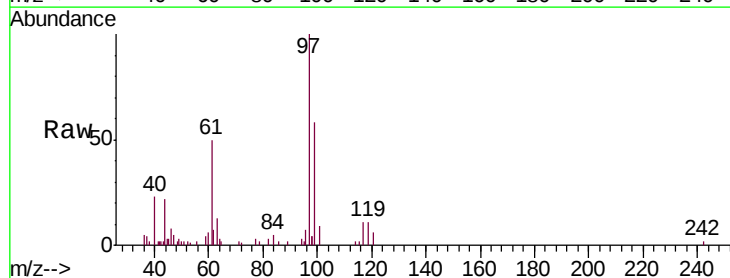
Tgt Ion: 97 Resp: 17106

Ion Ratio Lower Upper

97 100

99 61.3 51.7 77.5

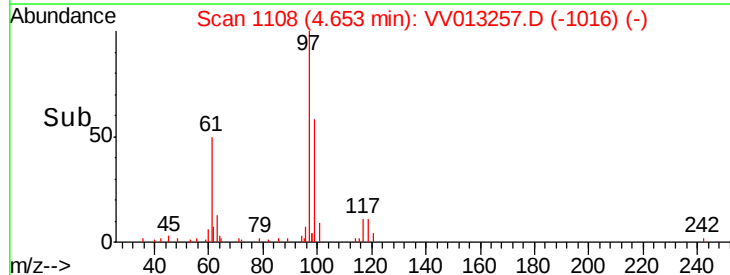
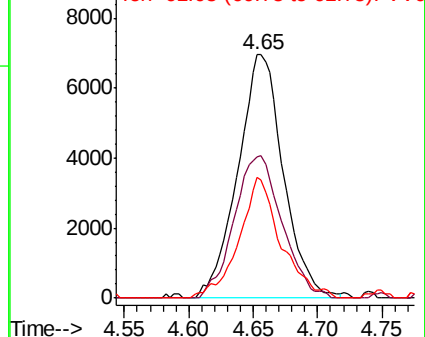
61 45.5 34.3 51.5

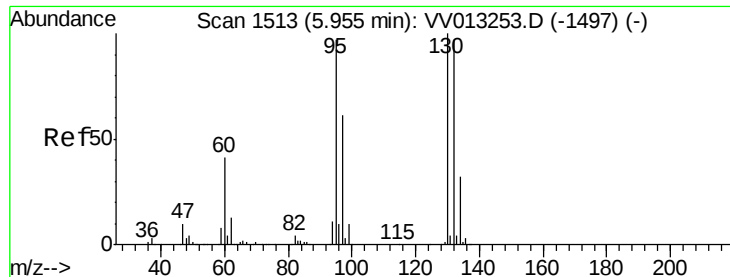


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#34

Trichloroethene

Concen: 1.356 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

C0K21

Tgt Ion: 95 Resp: 63870

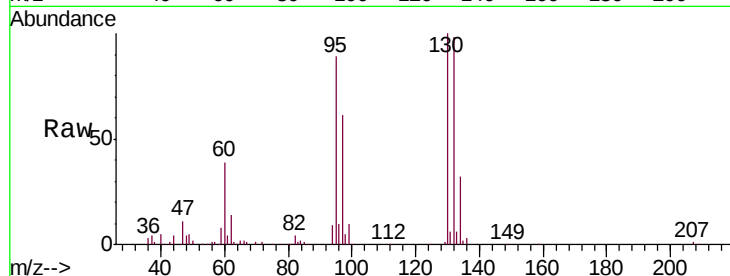
Ion Ratio Lower Upper

95 100

97 68.5 45.2 84.0

132 110.1 70.6 131.2

130 112.0 75.5 140.3

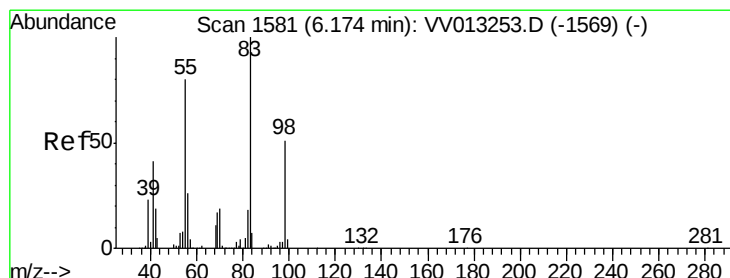
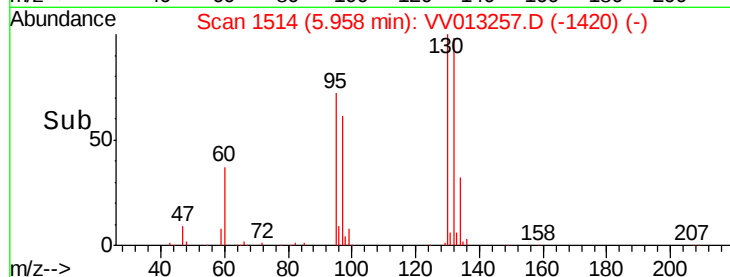
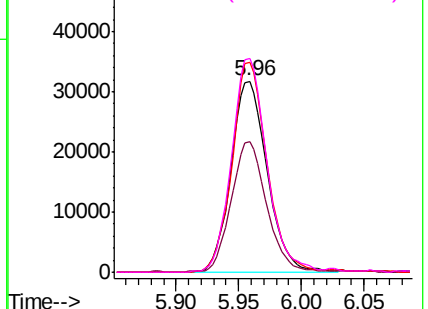


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 0.783 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

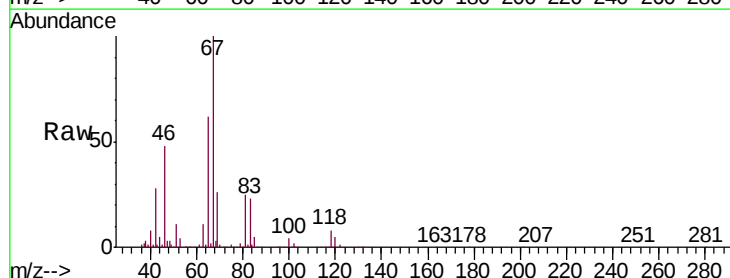
Tgt Ion: 83 Resp: 56709

Ion Ratio Lower Upper

83 100

55 1.1 62.4 93.6#

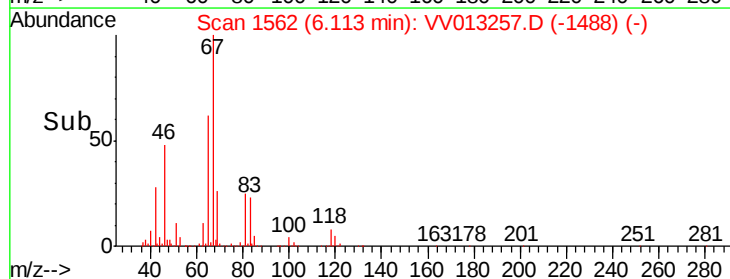
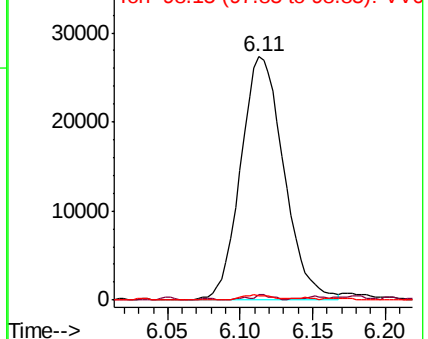
98 1.5 39.2 58.8#

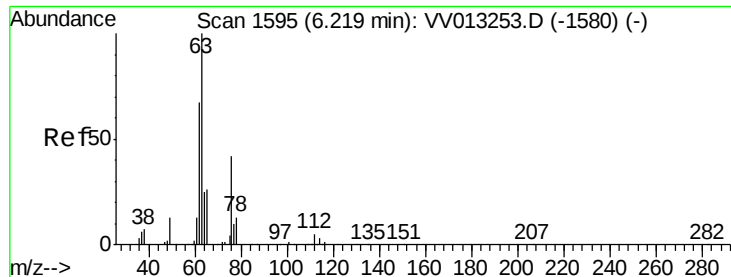


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.623 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

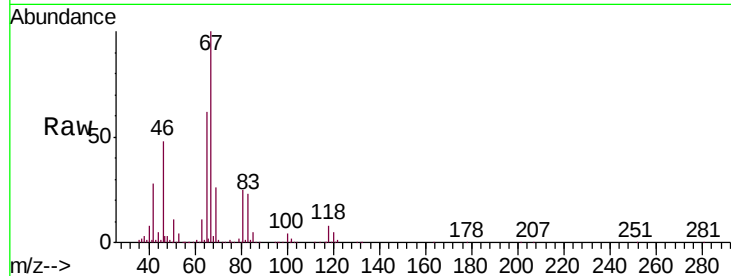
C0K21

Tgt Ion: 63 Resp: 26559

Ion Ratio Lower Upper

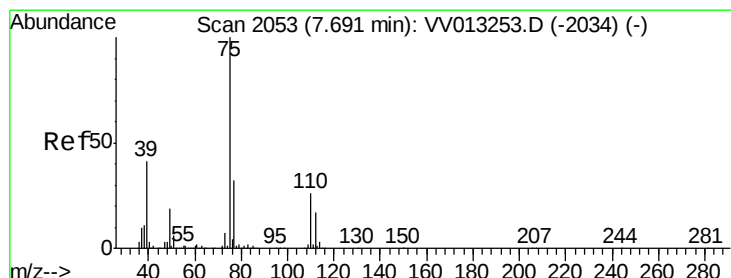
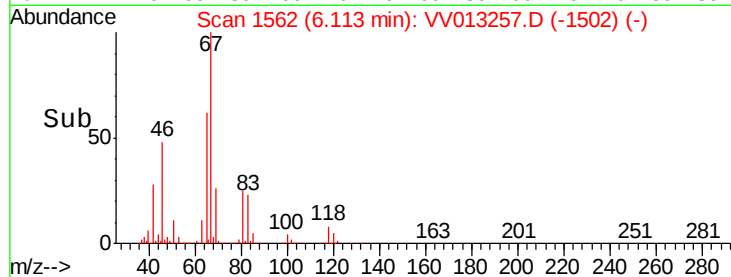
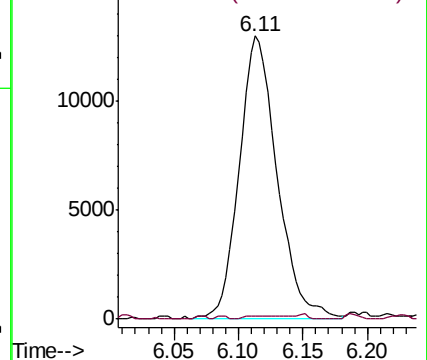
63 100

112 0.3 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV013257.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV013257.D (-1502) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013257.D

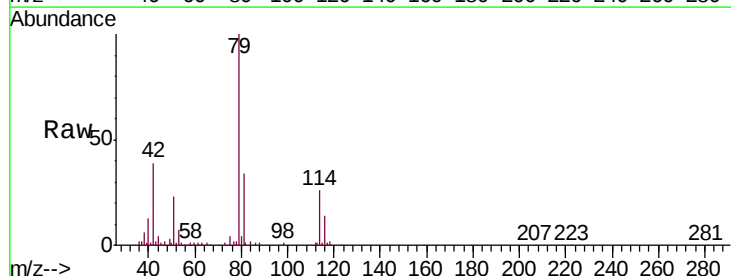
Acq: 21 Oct 2019 21:22

Tgt Ion: 75 Resp: 3556

Ion Ratio Lower Upper

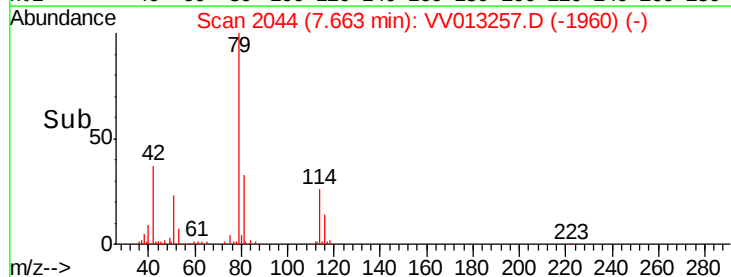
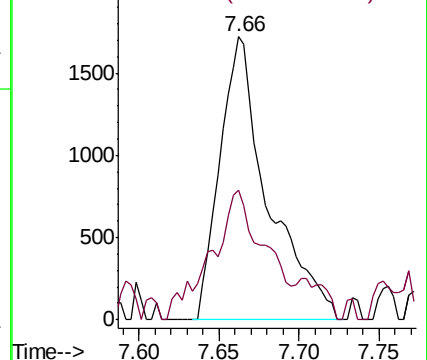
75 100

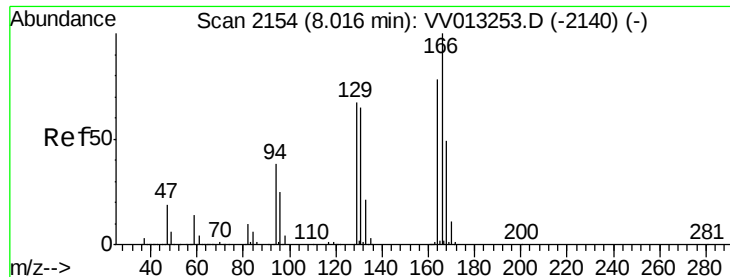
77 45.9 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV013257.D (-1960) (-)

Ion 77.05 (76.75 to 77.75): VV013257.D (-1960) (-)





#47

Tetrachloroethene

Concen: 0.318 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

C0K21

Tgt Ion:164 Resp: 13582

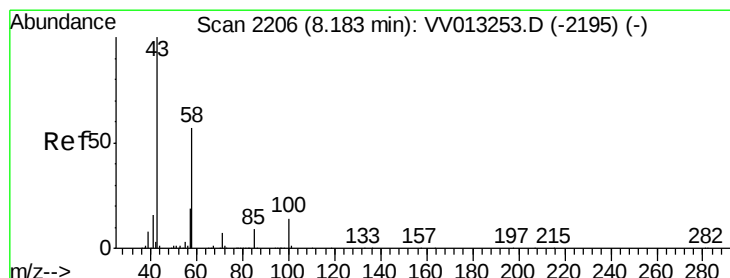
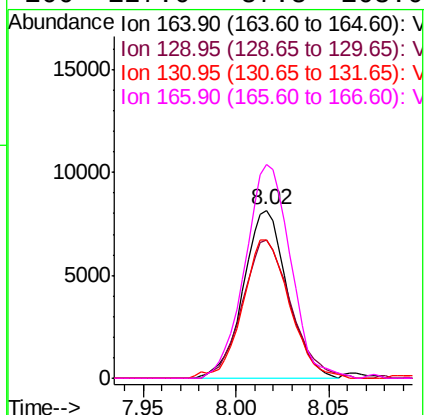
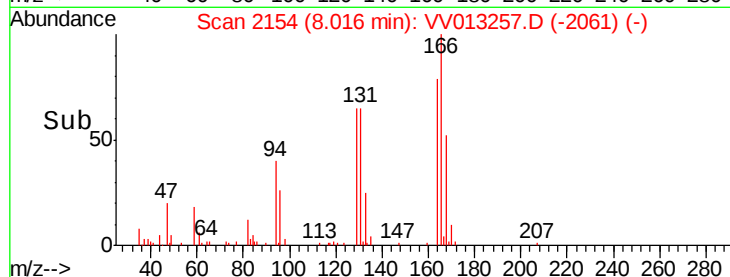
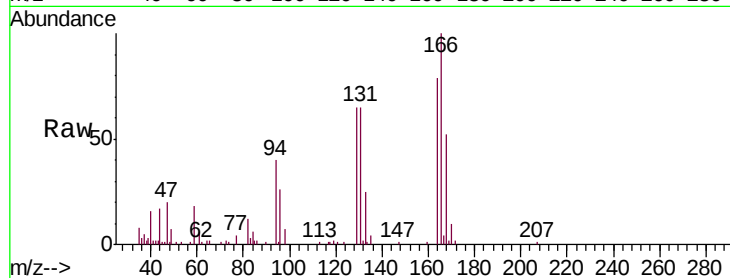
Ion Ratio Lower Upper

164 100

129 82.4 61.0 113.2

131 82.2 57.5 106.9

166 127.0 87.8 163.0



#48

2-Hexanone

Concen: 3.264 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Tgt Ion: 43 Resp: 50771

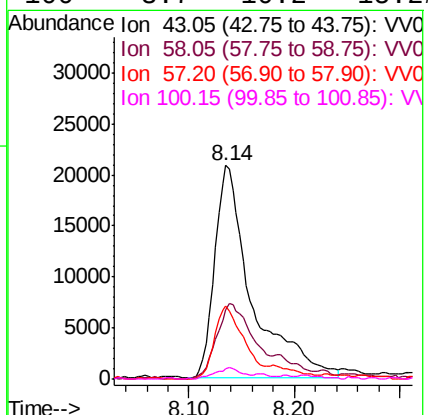
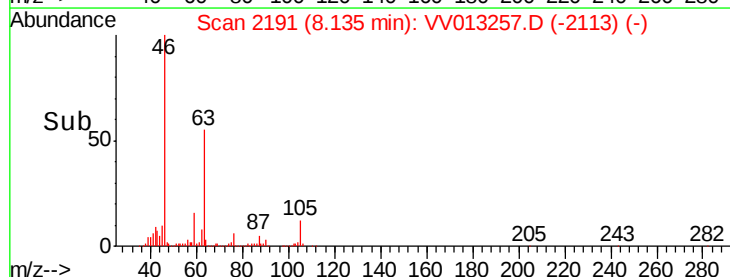
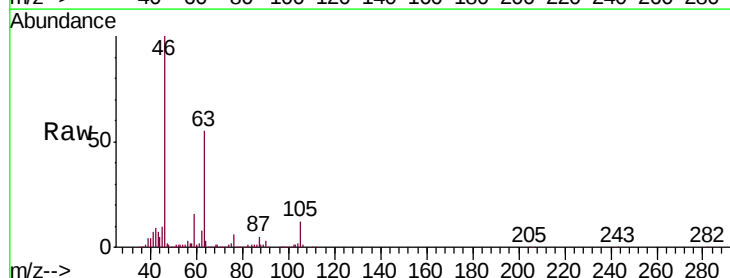
Ion Ratio Lower Upper

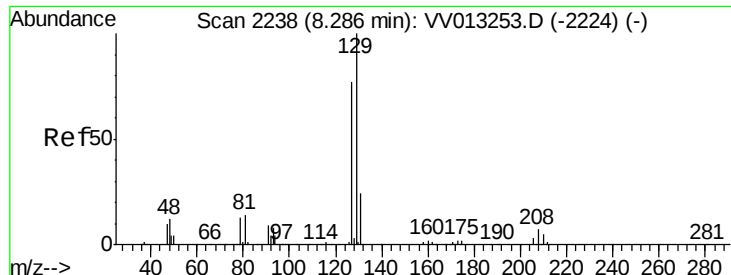
43 100

58 34.3 45.1 67.7#

57 27.4 15.5 23.3#

100 3.7 10.2 15.2#





#49

Dibromochloromethane

Concen: 0.315 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013257.D

Acq: 21 Oct 2019 21:22

Instrument :

MSVOA_V

ClientSampleId :

C0K21

Tgt Ion:129 Resp: 11803

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

