

Data File : VV013261.D
Acq On : 21 Oct 2019 22:58
Operator : SY/MD
Sample : K5462-04
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G38

Quant Time: Oct 22 03:57:01 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	453461	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	480768	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	248154	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	176794	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.58	69	144648	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.13	63	218139	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.97	46	383802	59.78	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.56%
24) Chloroform-d	4.40	84	382388	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.08	65	182351	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	777540	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.12	67	238560	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	653667	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.66	79	76661	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	277057	43.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	157751	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	257858	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	731010	16.704	ug/L	99
8) Chloroethane	1.32	64	233039	8.936	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2672	0.071	ug/L #	19
12) 1,1-Dichloroethene	2.14	96	4039	0.113	ug/L #	1
16) Methylene chloride	2.53	84	5577	0.104	ug/L	93
17) Methyl tert-butyl Ether	2.81	73	51546	0.624	ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	224192	5.334	ug/L	92
19) 1,1-Dichloroethane	3.23	63	14677	0.215	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	686868	15.269	ug/L #	86
27) 1,2-Dichloroethane	5.09	62	4568	0.096	ug/L	99
33) Benzene	5.15	78	12591	0.069	ug/L	100
34) Trichloroethene	5.96	95	16313	0.331	ug/L	98
35) Methylcyclohexane	6.12	83	58679	0.774	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	25452	0.571	ug/L #	86
42) Toluene	7.43	91	12262	0.064	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	3628	0.076	ug/L	87
48) 2-Hexanone	8.14	43	34343	2.110	ug/L #	82

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

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QLast Update : Tue Oct 22 03:42:02 2019
Response via : Initial Calibration

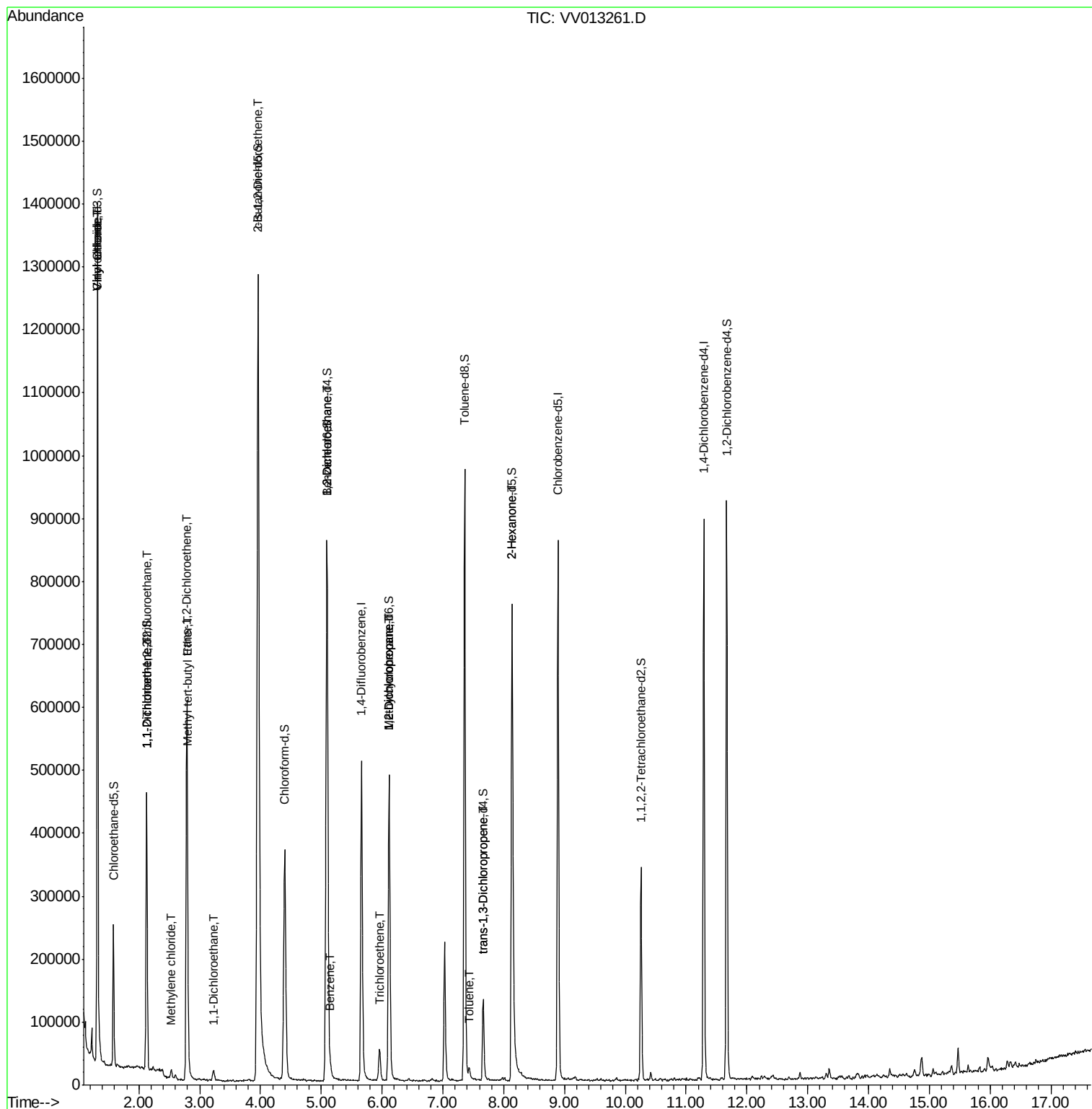
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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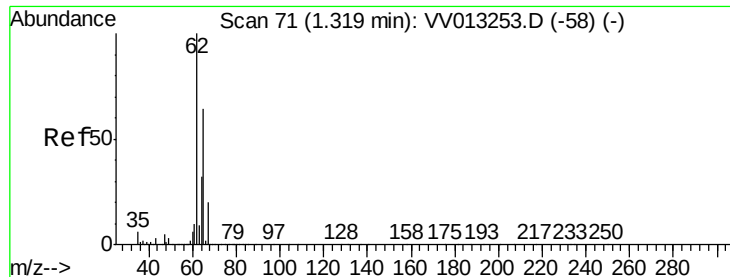
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 16.704 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

Instrument :

MSVOA_V

ClientSampleId :

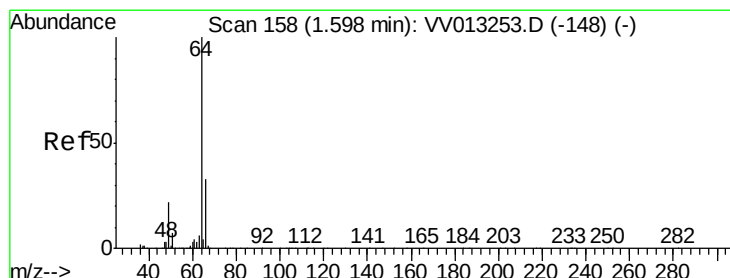
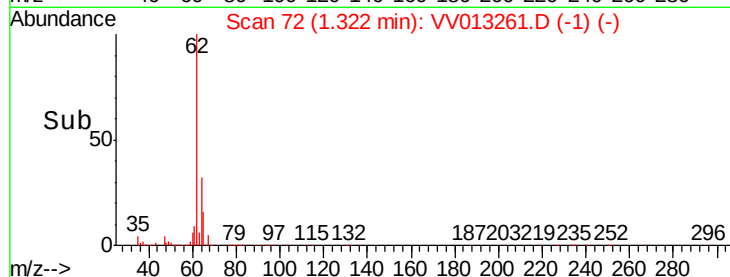
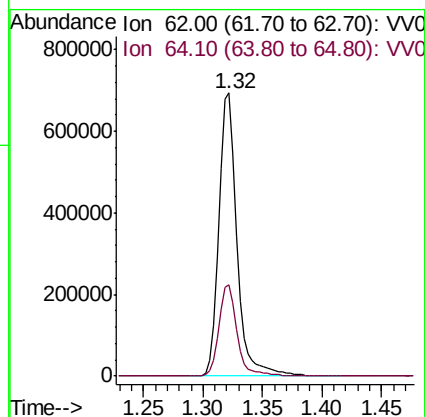
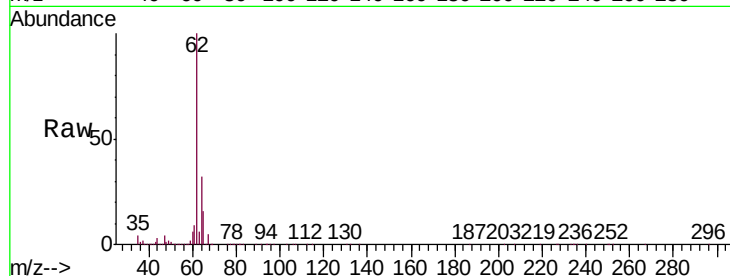
H0G38

Tgt Ion: 62 Resp: 731010

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



#8

Chloroethane

Concen: 8.936 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013261.D

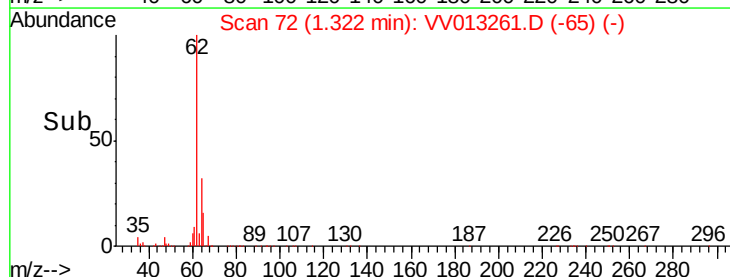
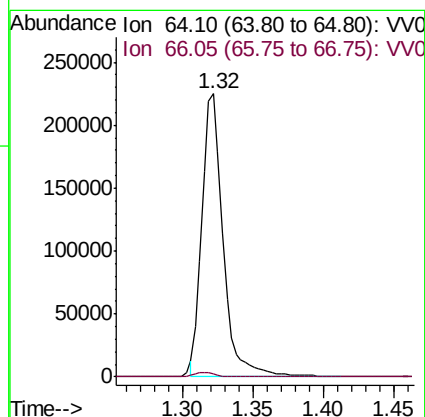
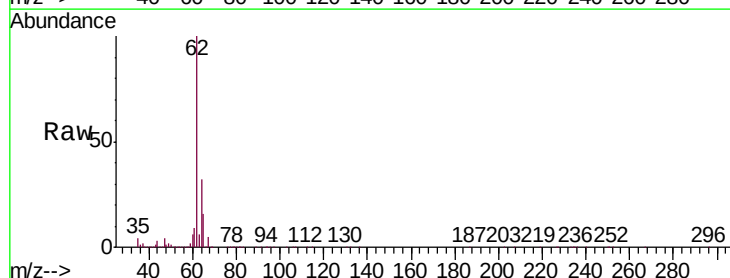
Acq: 21 Oct 2019 22:58

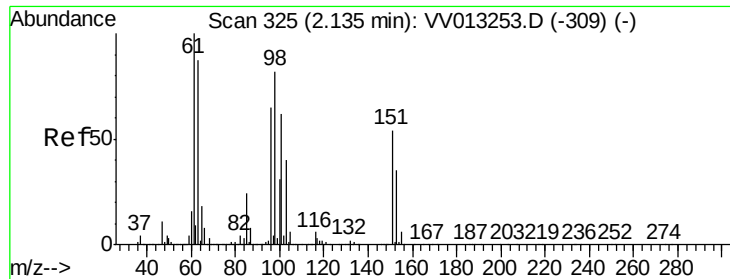
Tgt Ion: 64 Resp: 233039

Ion Ratio Lower Upper

64 100

66 1.2 22.7 42.3#





#10

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

Concen: 0.071 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

Instrument :

MSVOA_V

ClientSampleId :

H0G38

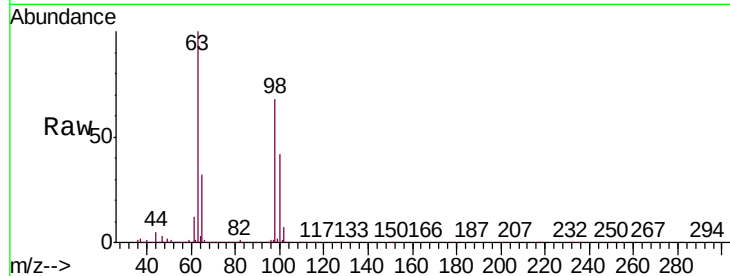
Tgt Ion: 101 Resp: 2672

Ion Ratio Lower Upper

101 100

85 2.5 31.8 47.8#

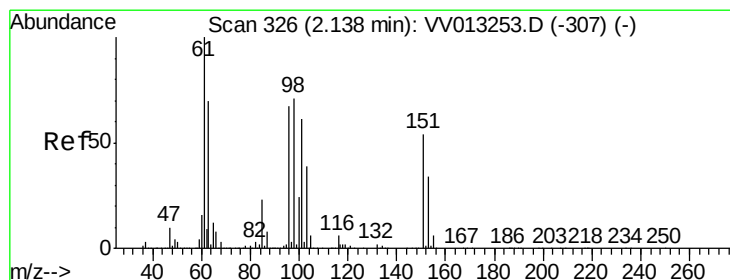
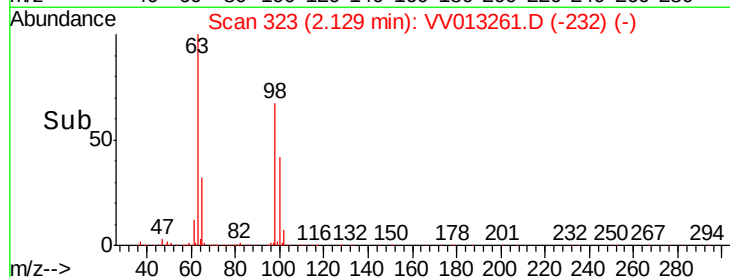
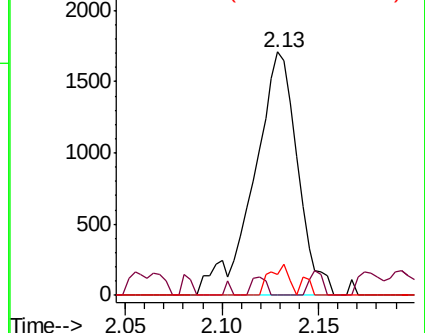
151 5.6 72.9 109.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.113 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

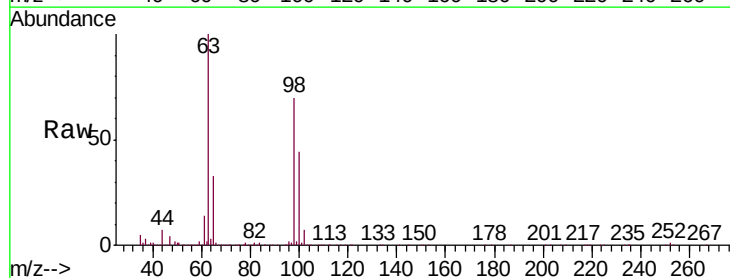
Tgt Ion: 96 Resp: 4039

Ion Ratio Lower Upper

96 100

61 687.3 104.0 193.1#

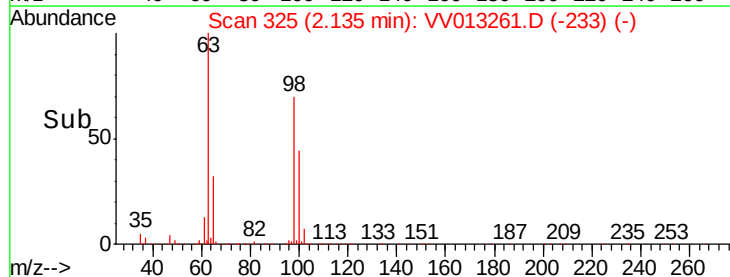
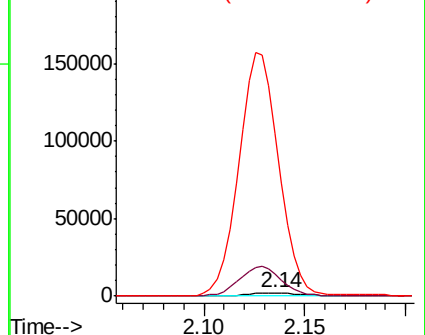
63 5054.0 67.1 124.5#

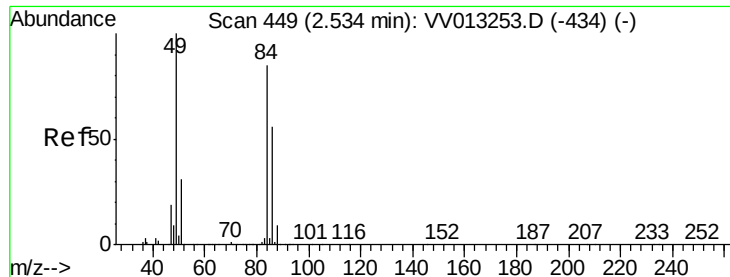


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

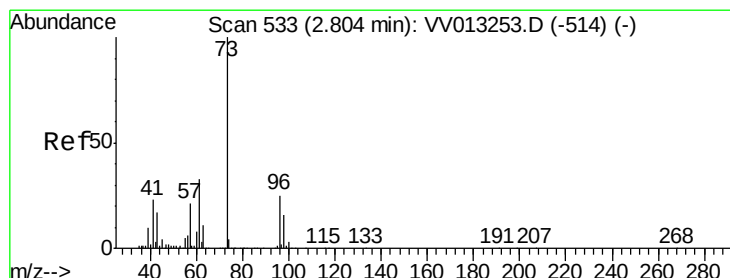
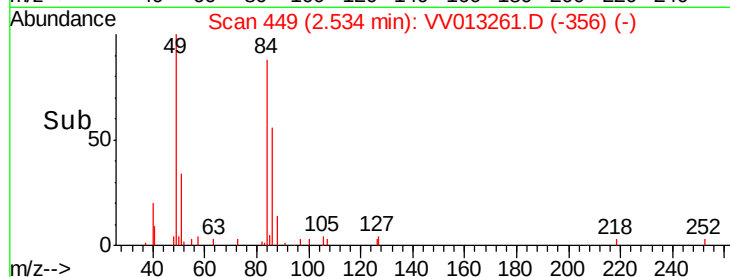
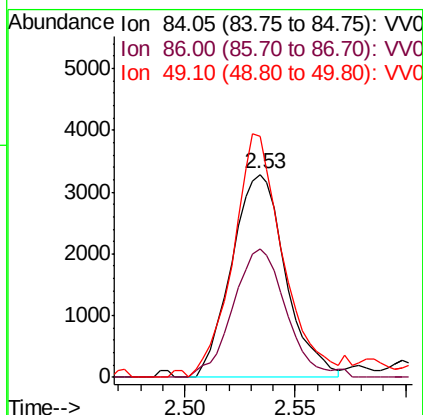
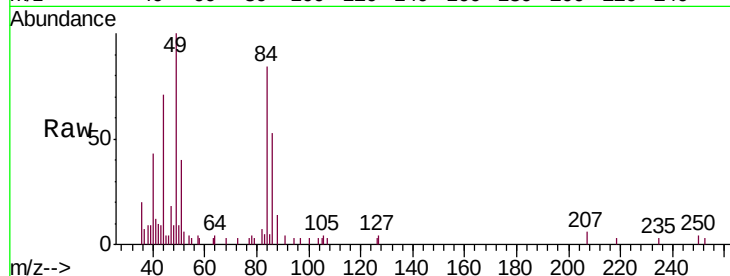




#16
Methylene chloride
Concen: 0.104 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013261.D
Acq: 21 Oct 2019 22:58

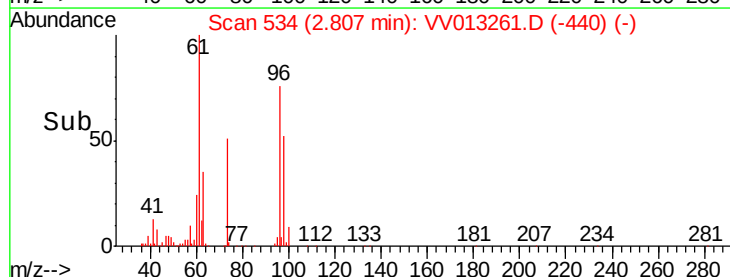
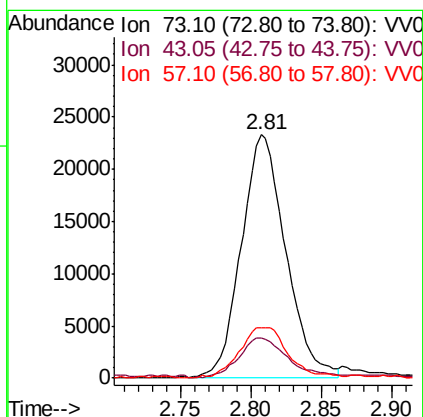
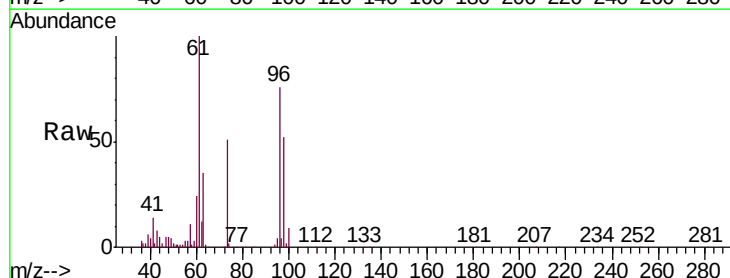
Instrument :
MSVOA_V
ClientSampled :
H0G38

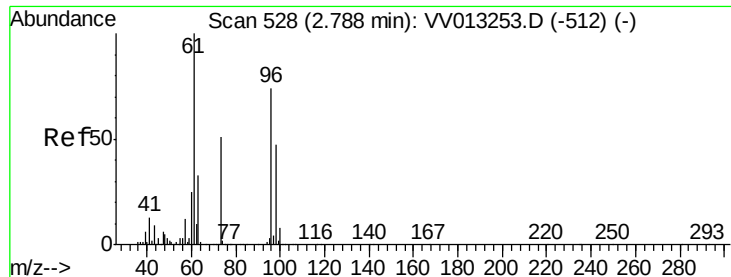
Tgt Ion: 84 Resp: 5577
Ion Ratio Lower Upper
84 100
86 63.4 46.2 85.8
49 118.8 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 0.624 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013261.D
Acq: 21 Oct 2019 22:58

Tgt Ion: 73 Resp: 51546
Ion Ratio Lower Upper
73 100
43 18.9 13.1 19.7
57 22.8 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 5.334 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

Instrument :

MSVOA_V

ClientSampleId :

H0G38

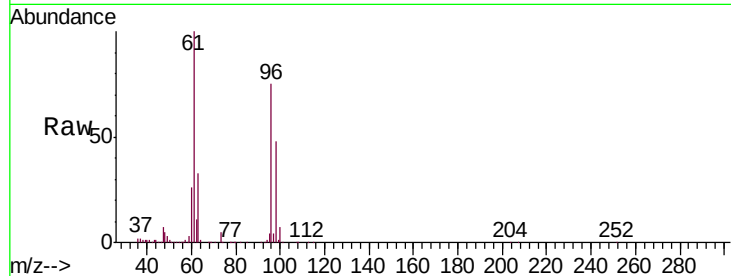
Tgt Ion: 96 Resp: 224192

Ion Ratio Lower Upper

96 100

61 133.9 84.4 156.8

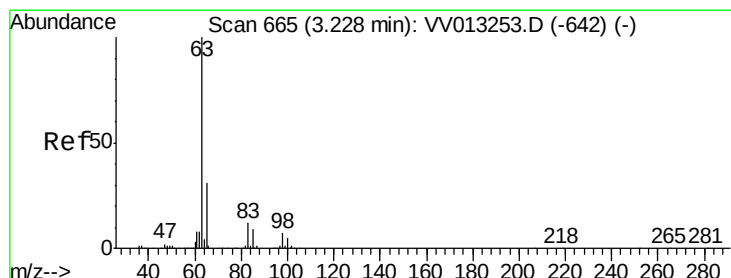
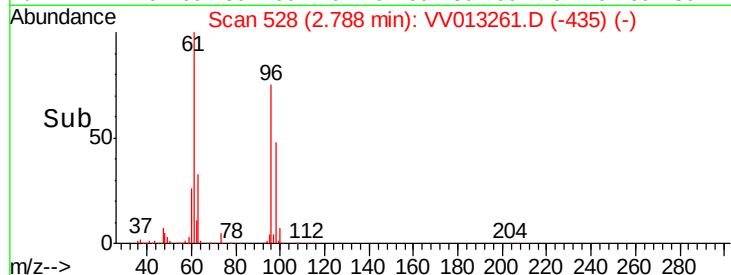
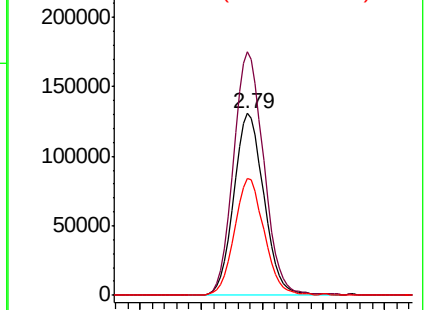
98 64.3 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.215 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

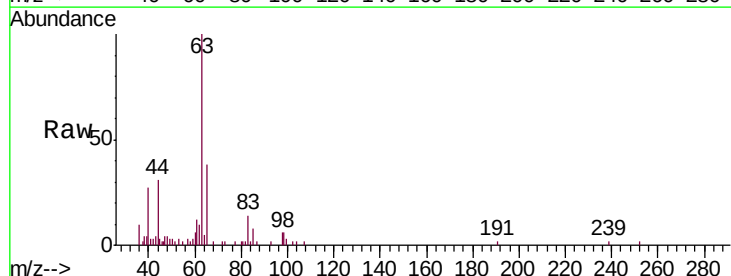
Tgt Ion: 63 Resp: 14677

Ion Ratio Lower Upper

63 100

65 37.8 23.0 42.8

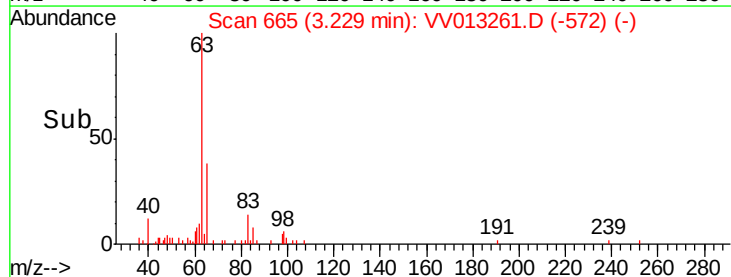
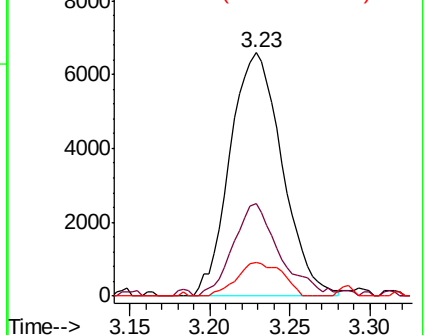
83 14.0 10.2 19.0

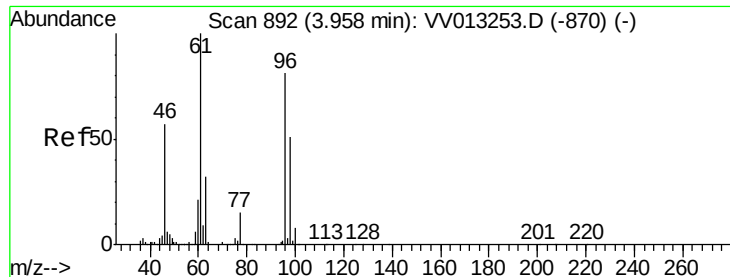


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



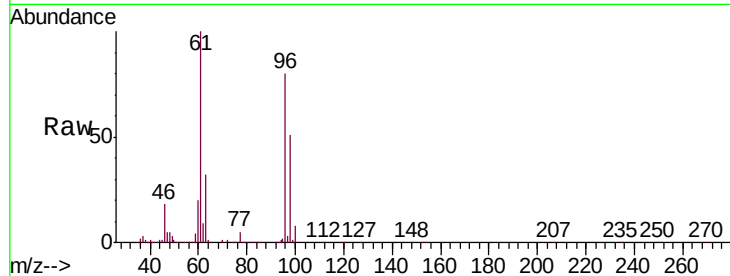


#22

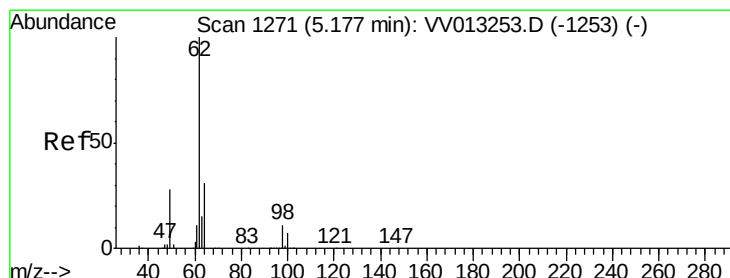
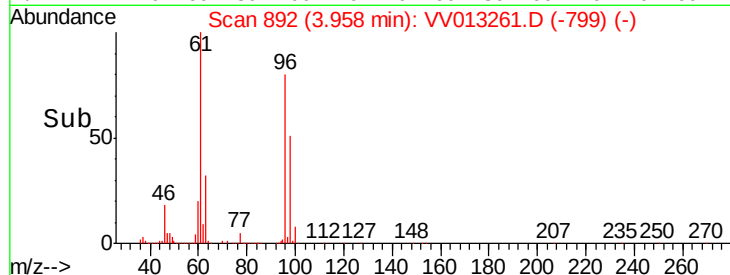
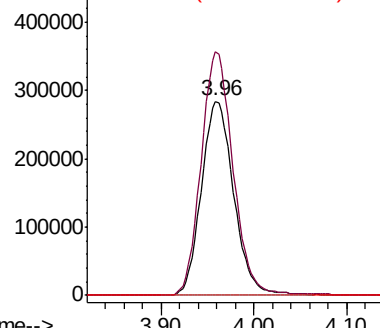
cis-1,2-Dichloroethene
 Concen: 15.269 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013261.D
 Acq: 21 Oct 2019 22:58

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G38

Tgt Ion: 96 Resp: 686868
 Ion Ratio Lower Upper
 96 100
 61 125.5 77.3 143.7
 68 0.0 0.1 0.1#



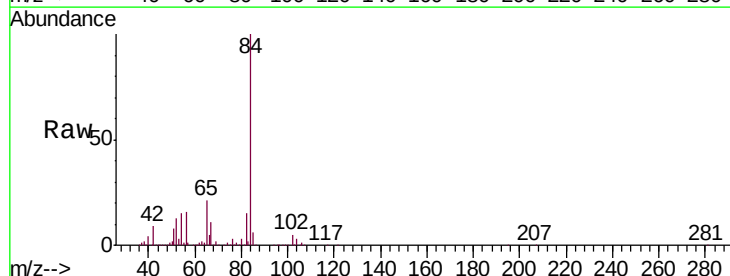
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



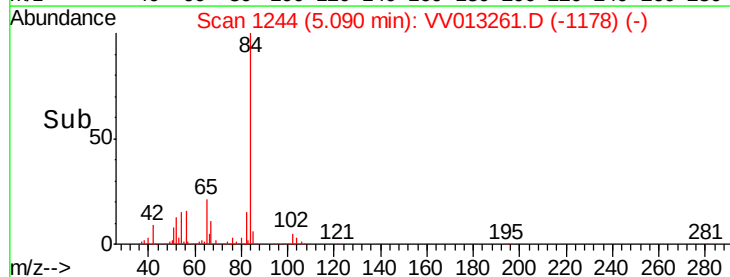
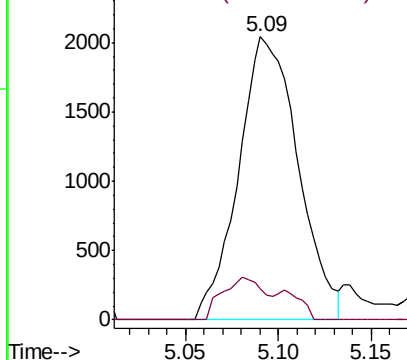
#27

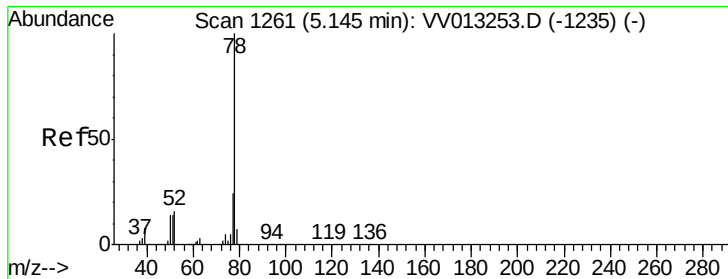
1,2-Dichloroethane
 Concen: 0.096 ug/L
 RT: 5.09 min Scan# 1244
 Delta R.T. -0.09 min
 Lab File: VV013261.D
 Acq: 21 Oct 2019 22:58

Tgt Ion: 62 Resp: 4568
 Ion Ratio Lower Upper
 62 100
 98 10.9 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 0.069 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

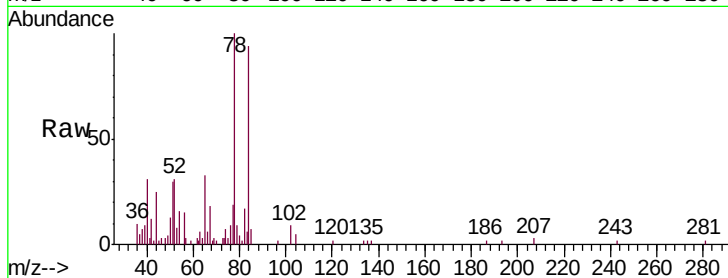
Instrument :

MSVOA_V

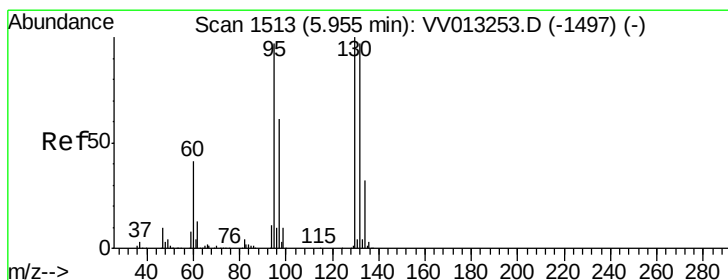
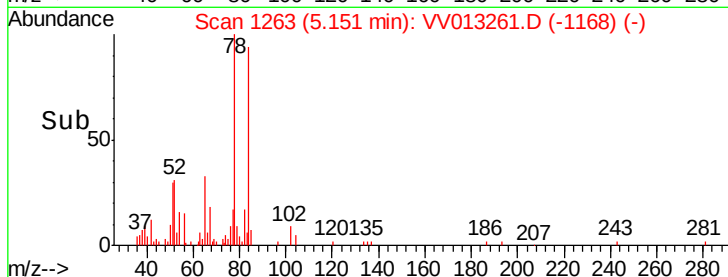
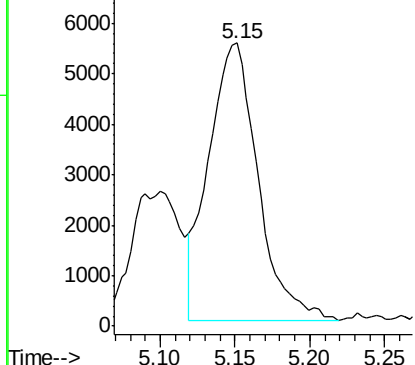
ClientSampleId :

H0G38

Tgt Ion: 78 Resp: 12591



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.331 ug/L

RT: 5.96 min Scan# 1514

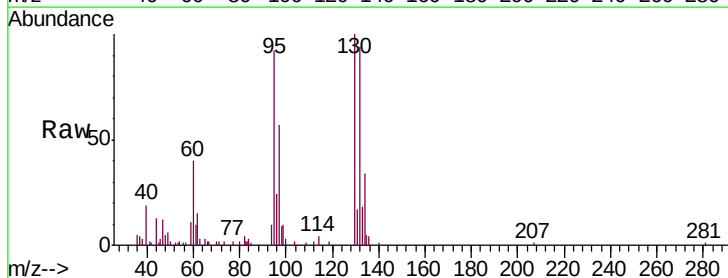
Delta R.T. 0.00 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

Tgt Ion: 95 Resp: 16313

Ion	Ratio	Lower	Upper
95	100		
97	61.6	45.2	84.0
132	102.3	70.6	131.2
130	109.0	75.5	140.3

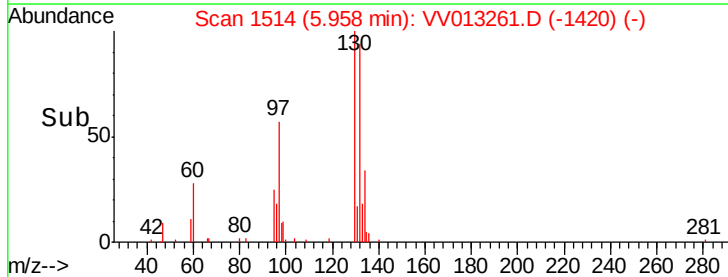
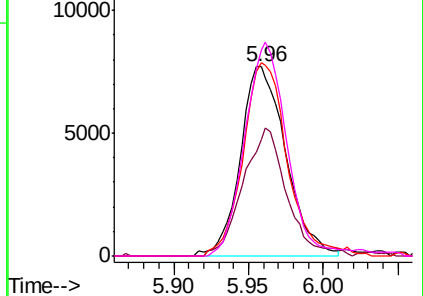


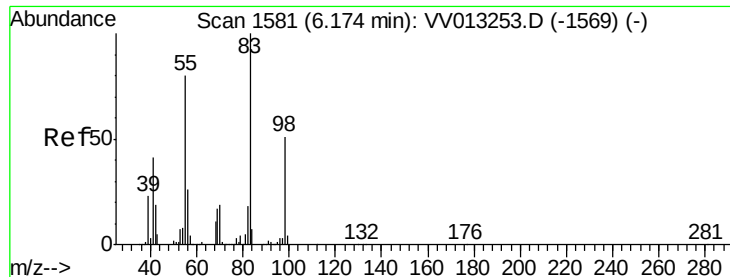
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#35

Methylcyclohexane

Concen: 0.774 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

Instrument :

MSVOA_V

ClientSampleId :

H0G38

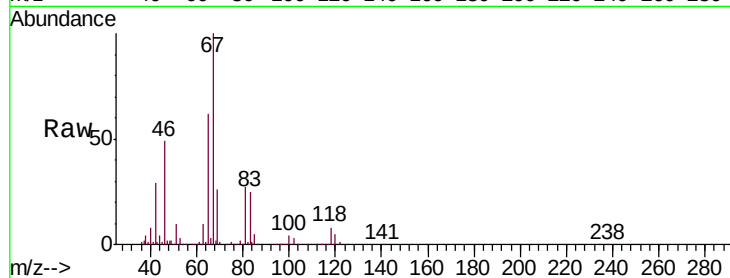
Tgt Ion: 83 Resp: 58679

Ion Ratio Lower Upper

83 100

55 0.6 62.4 93.6#

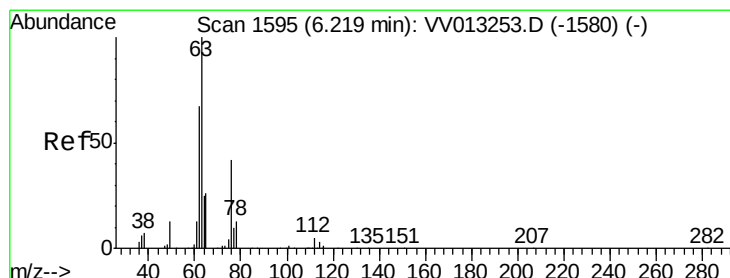
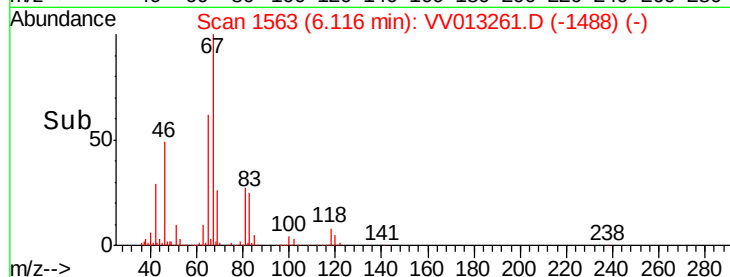
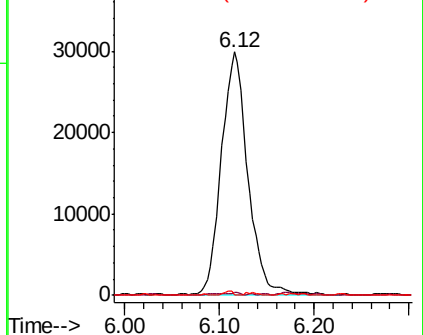
98 0.6 39.2 58.8#



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: 0.571 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013261.D

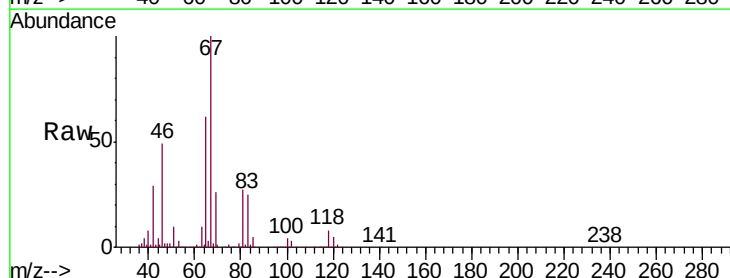
Acq: 21 Oct 2019 22:58

Tgt Ion: 63 Resp: 25452

Ion Ratio Lower Upper

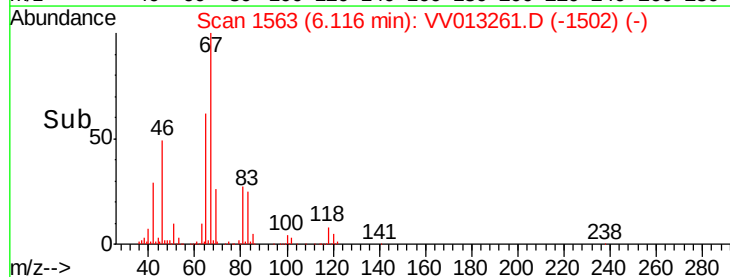
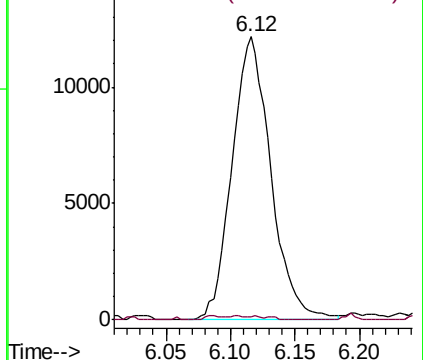
63 100

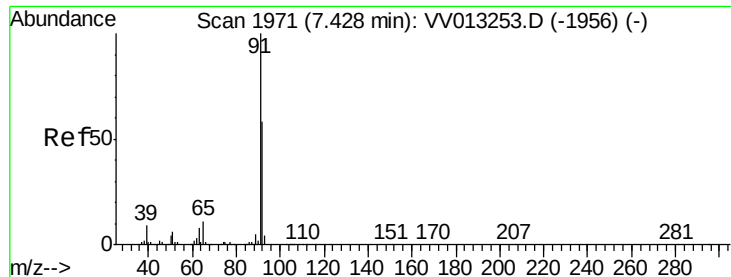
112 0.6 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.064 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013261.D

Acq: 21 Oct 2019 22:58

Instrument :

MSVOA_V

ClientSampleId :

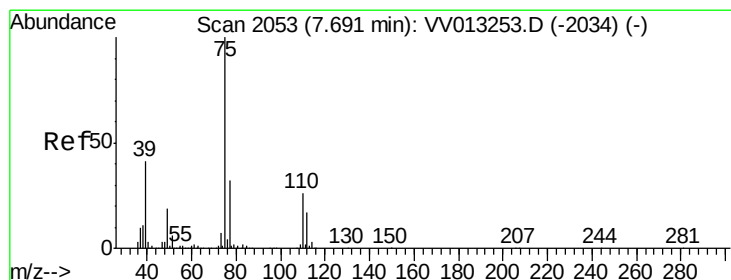
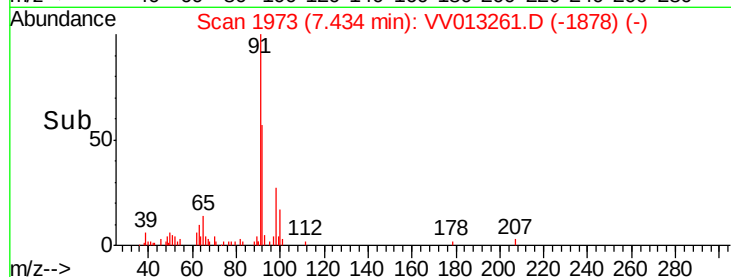
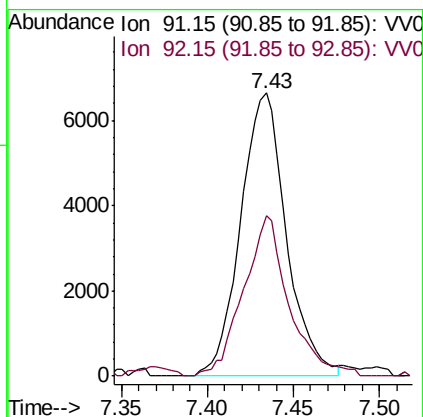
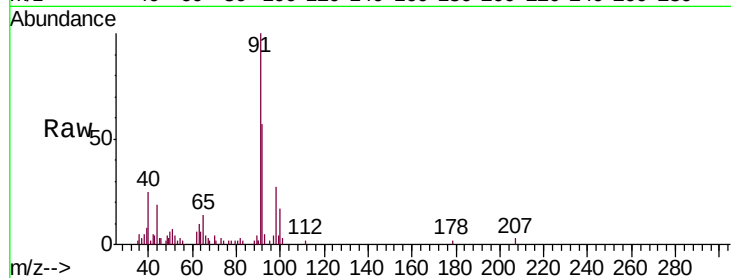
H0G38

Tgt Ion: 91 Resp: 12262

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013261.D

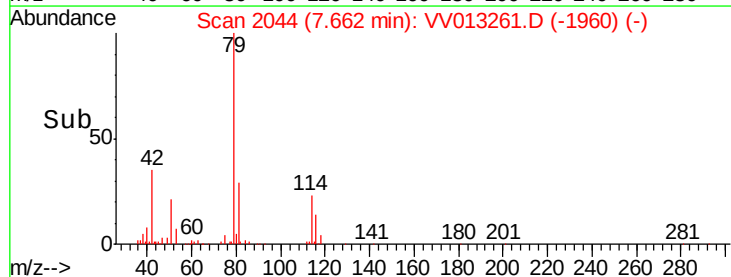
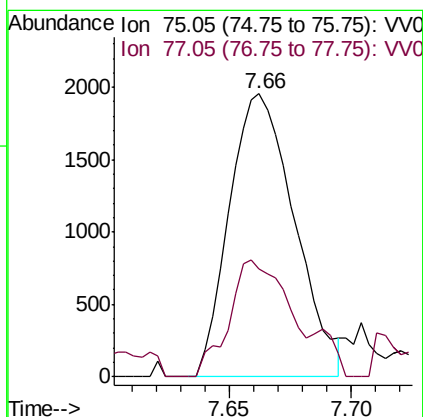
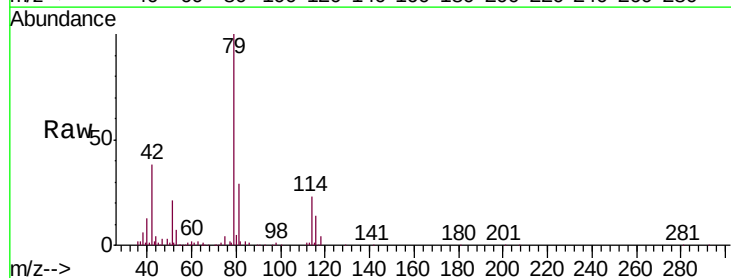
Acq: 21 Oct 2019 22:58

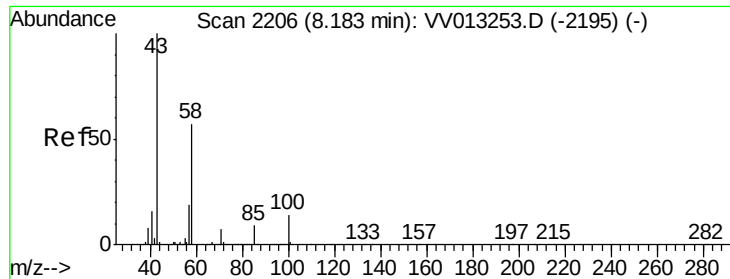
Tgt Ion: 75 Resp: 3628

Ion Ratio Lower Upper

75 100

77 38.1 21.8 40.6





#48

2-Hexanone

Concen: 2.110 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV013261.D

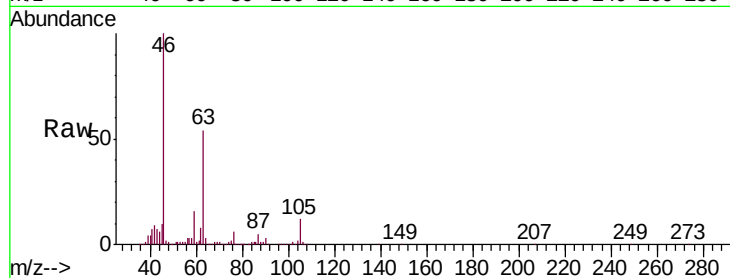
Acq: 21 Oct 2019 22:58

Instrument :

MSVOA_V

ClientSampleId :

H0G38



Tgt Ion:	43	Resp:	34343
Ion	Ratio	Lower	Upper
43	100		
58	60.0	45.1	67.7
57	43.9	15.5	23.3#
100	5.1	10.2	15.2#

