

Data File : VV013263.D
Acq On : 21 Oct 2019 23:46
Operator : SY/MD
Sample : K5462-09
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G77

Quant Time: Oct 22 03:57:17 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	432060	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	472271	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	242756	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	179206	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	1.58	69	144350	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.13	63	219137	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	3.96	46	462642	75.63	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	151.26%#
24) Chloroform-d	4.40	84	384597	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.08	65	187844	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.10	84	790177	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.12	67	240583	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.36	98	657453	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.66	79	79869	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.14	63	303682	48.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	166043	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	256476	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	1917493	45.987 ug/L	100
8) Chloroethane	1.32	64	607735	24.457 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2679	0.075 ug/L #	18
12) 1,1-Dichloroethene	2.14	96	14993	0.441 ug/L #	1
13) Acetone	2.15	43	7170	2.267 ug/L	80
15) Methyl Acetate	2.51	43	10084	0.943 ug/L #	50
16) Methylene chloride	2.53	84	6268	0.123 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	602856	7.663 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	712557	17.793 ug/L	92
19) 1,1-Dichloroethane	3.23	63	74680	1.147 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	6758130	157.671 ug/L #	88
33) Benzene	5.14	78	57123	0.317 ug/L	100
34) Trichloroethene	5.96	95	36463	0.754 ug/L	99
35) Methylcyclohexane	6.11	83	56164	0.754 ug/L #	17
44) trans-1,3-Dichloropropene	7.66	75	3717	0.080 ug/L #	67
48) 2-Hexanone	8.14	43	48359	3.025 ug/L #	81

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

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Response via : Initial Calibration

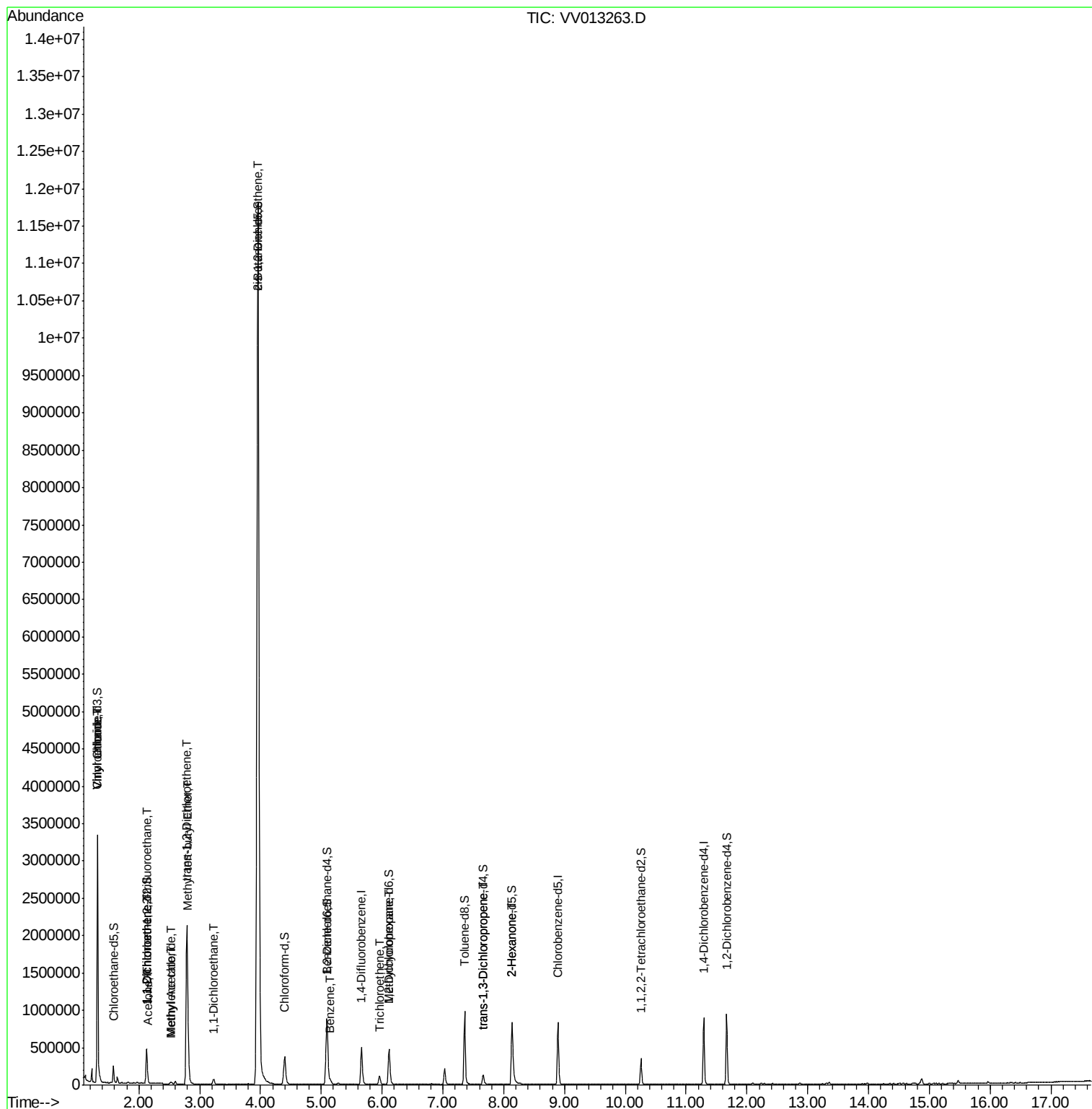
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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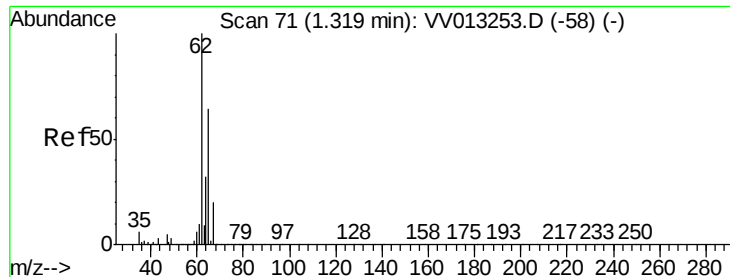
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 45.987 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

Instrument :

MSVOA_V

ClientSampleId :

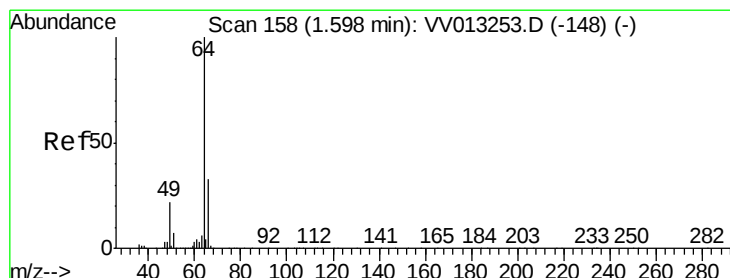
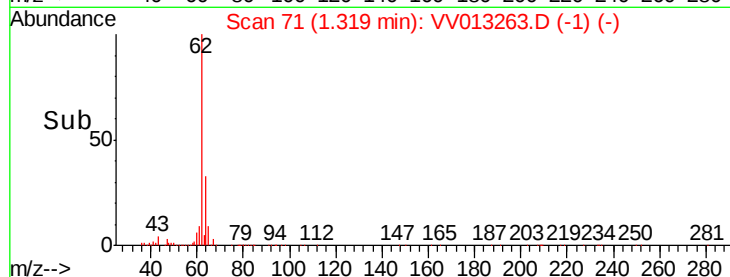
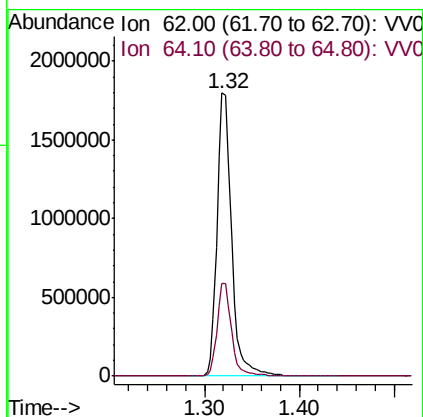
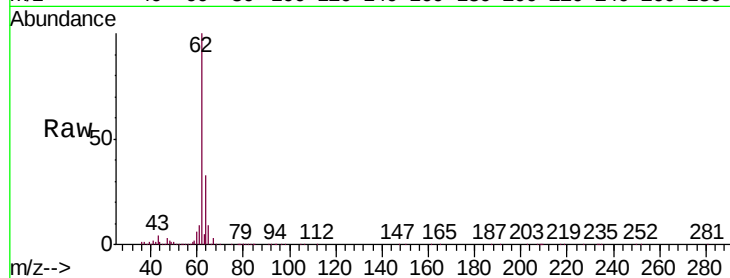
H0G77

Tgt Ion: 62 Resp: 1917493

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#8

Chloroethane

Concen: 24.457 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV013263.D

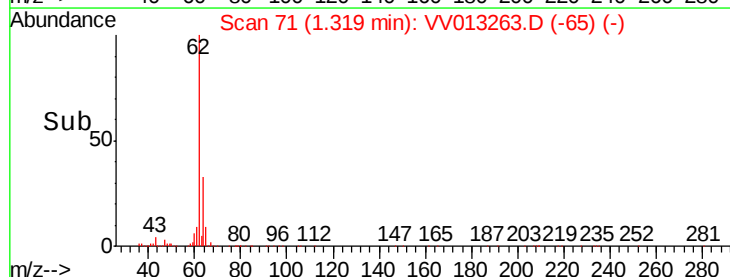
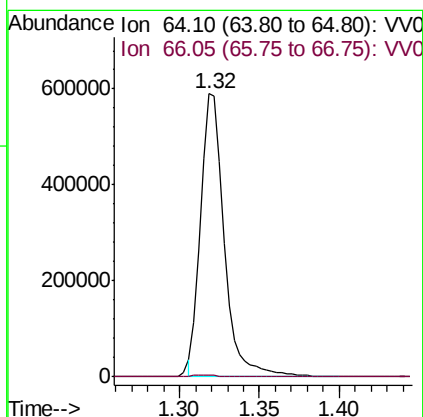
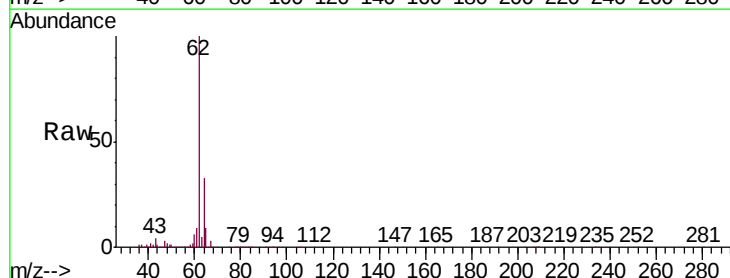
Acq: 21 Oct 2019 23:46

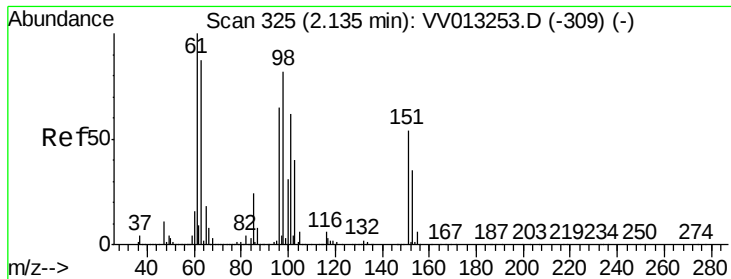
Tgt Ion: 64 Resp: 607735

Ion Ratio Lower Upper

64 100

66 0.7 22.7 42.3#





#10

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

Concen: 0.075 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

Instrument :

MSVOA_V

ClientSampleId :

H0G77

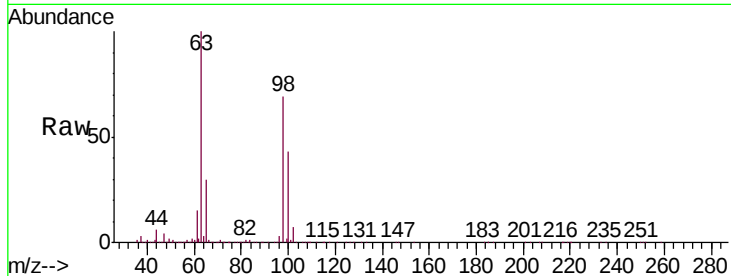
Tgt Ion: 101 Resp: 2679

Ion Ratio Lower Upper

101 100

85 7.7 31.8 47.8#

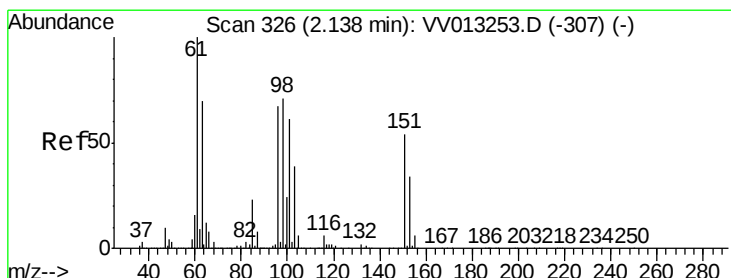
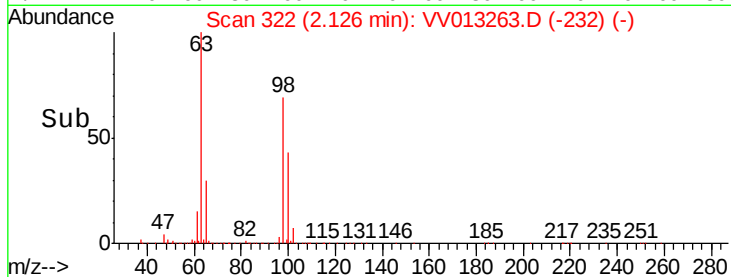
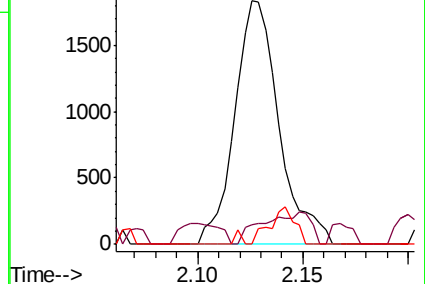
151 0.8 72.9 109.3#



Abundance Ion 101.00 (100.70 to 101.70): VV013253.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV013253.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV013253.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 0.441 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

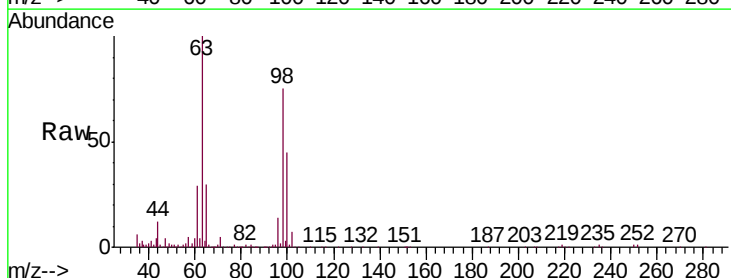
Tgt Ion: 96 Resp: 14993

Ion Ratio Lower Upper

96 100

61 213.3 104.0 193.1#

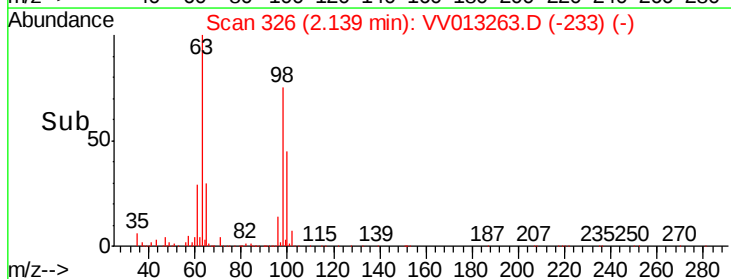
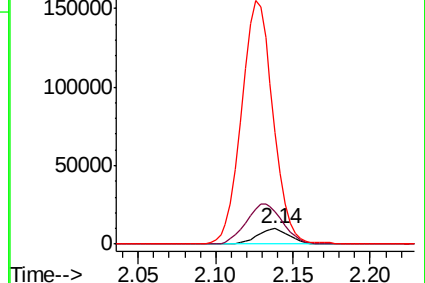
63 739.4 67.1 124.5#

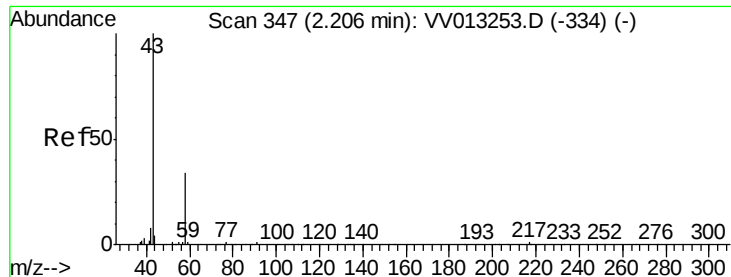


Abundance Ion 96.00 (95.70 to 96.70): VV013253.D (-307) (-)

Ion 61.05 (60.75 to 61.75): VV013253.D (-307) (-)

Ion 63.00 (62.70 to 63.70): VV013253.D (-307) (-)





#13

Acetone

Concen: 2.267 ug/L

RT: 2.15 min Scan# 330

Delta R.T. -0.05 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

Instrument :

MSVOA_V

ClientSampleId :

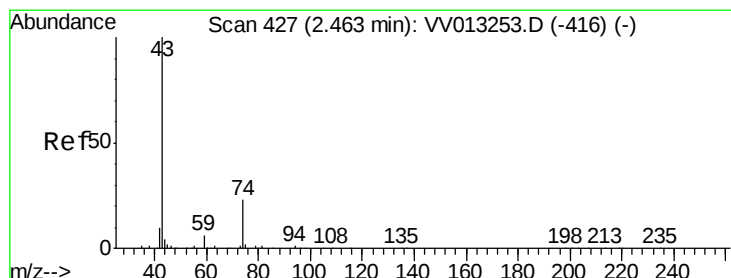
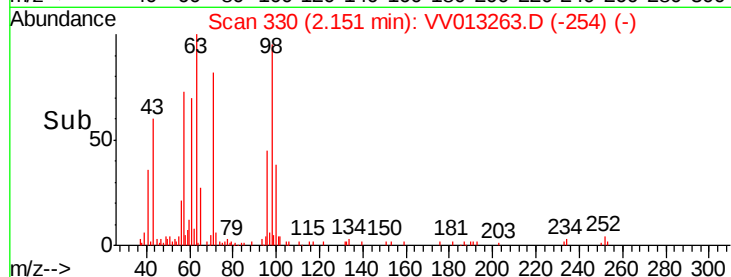
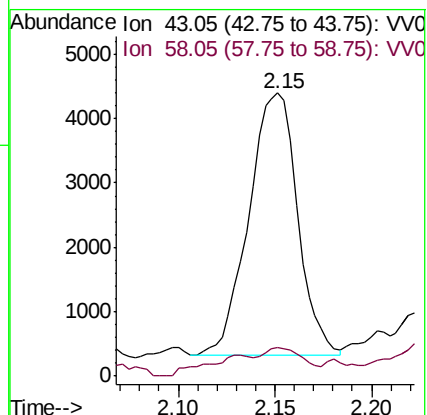
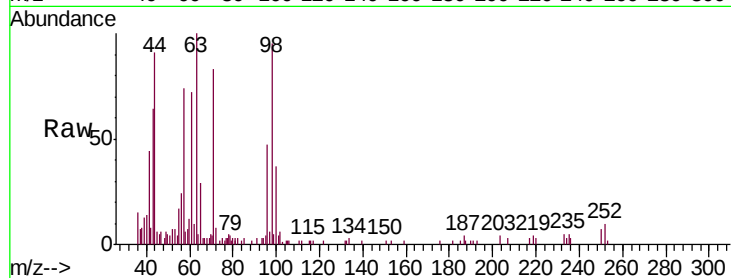
H0G77

Tgt Ion: 43 Resp: 7170

Ion Ratio Lower Upper

43 100

58 5.0 0.0 26.2



#15

Methyl Acetate

Concen: 0.943 ug/L

RT: 2.51 min Scan# 443

Delta R.T. 0.05 min

Lab File: VV013263.D

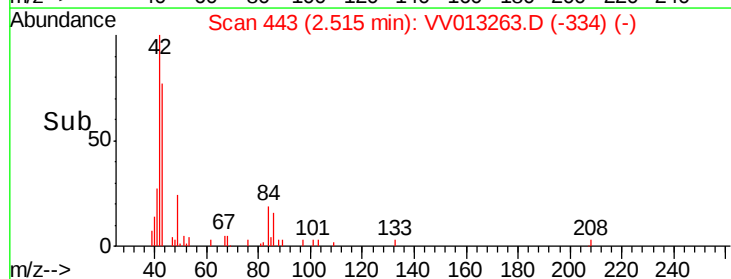
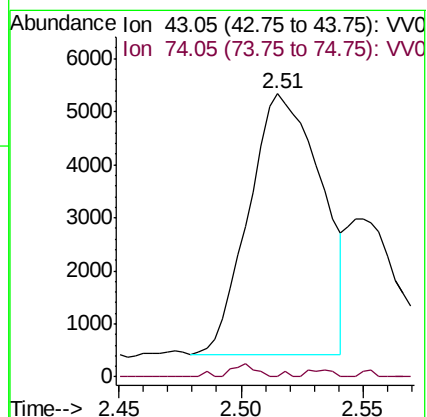
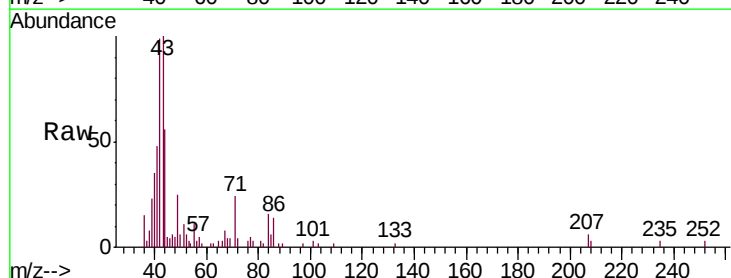
Acq: 21 Oct 2019 23:46

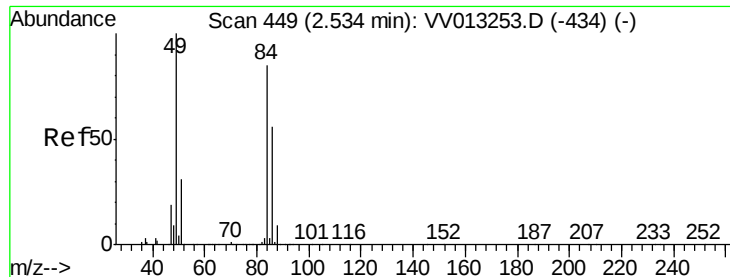
Tgt Ion: 43 Resp: 10084

Ion Ratio Lower Upper

43 100

74 0.2 20.4 30.6#

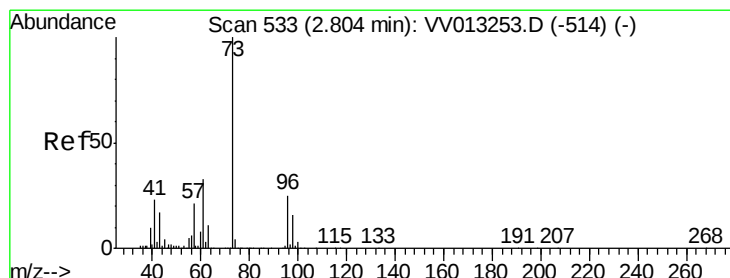
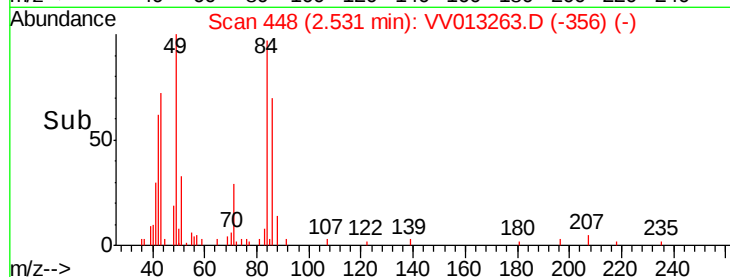
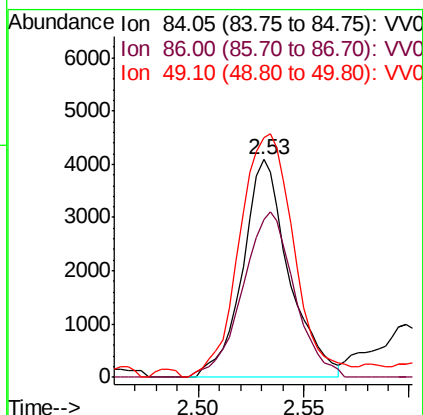
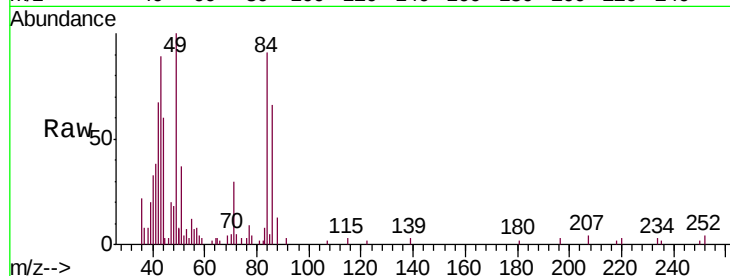




#16
Methylene chloride
Concen: 0.123 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013263.D
Acq: 21 Oct 2019 23:46

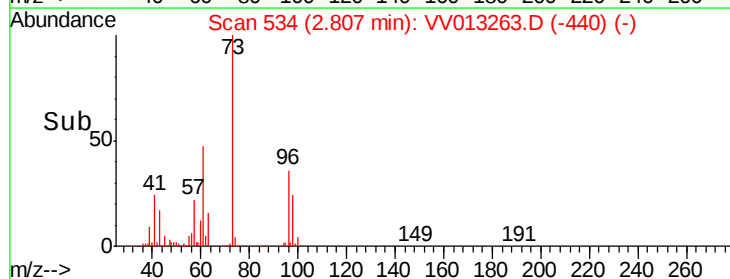
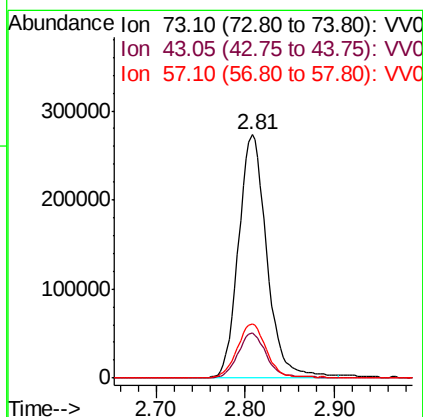
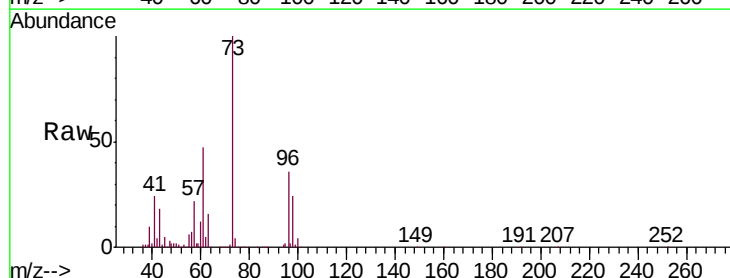
Instrument :
MSVOA_V
ClientSampleId :
H0G77

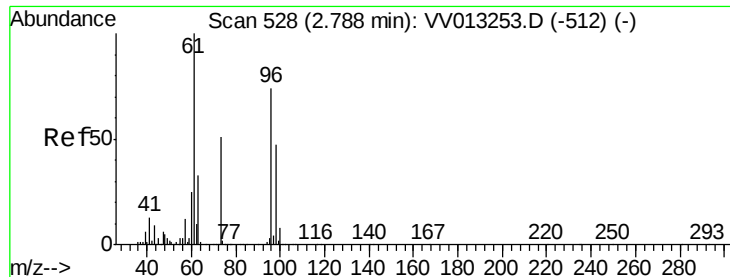
Tgt Ion: 84 Resp: 6268
Ion Ratio Lower Upper
84 100
86 72.5 46.2 85.8
49 109.9 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 7.663 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013263.D
Acq: 21 Oct 2019 23:46

Tgt Ion: 73 Resp: 602856
Ion Ratio Lower Upper
73 100
43 18.6 13.1 19.7
57 23.1 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 17.793 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

Instrument :

MSVOA_V

ClientSampleId :

H0G77

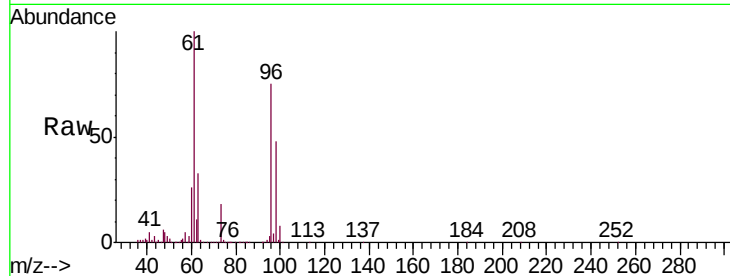
Tgt Ion: 96 Resp: 712557

Ion Ratio Lower Upper

96 100

61 133.7 84.4 156.8

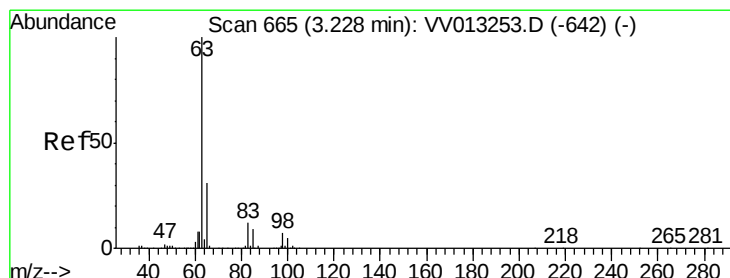
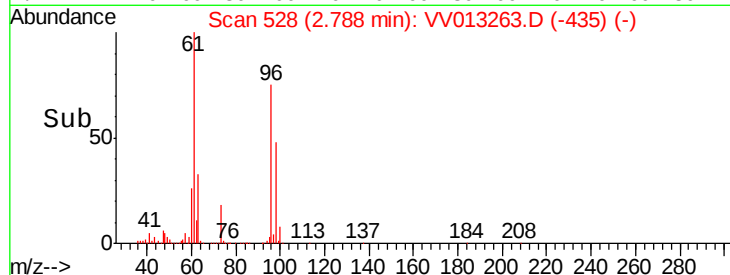
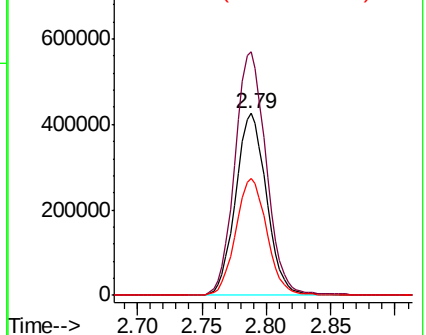
98 64.4 44.4 82.4



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: 1.147 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

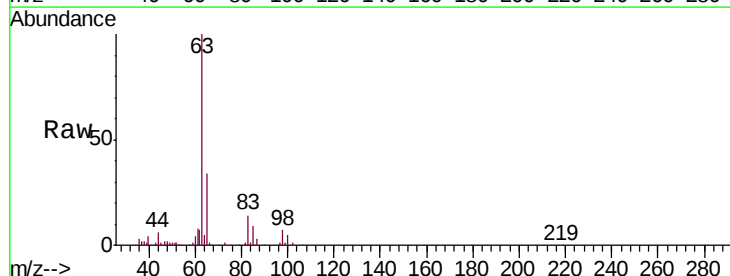
Tgt Ion: 63 Resp: 74680

Ion Ratio Lower Upper

63 100

65 33.6 23.0 42.8

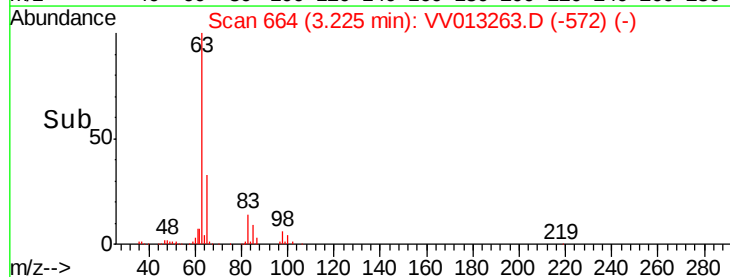
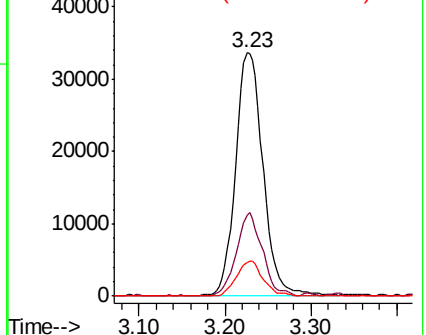
83 14.0 10.2 19.0

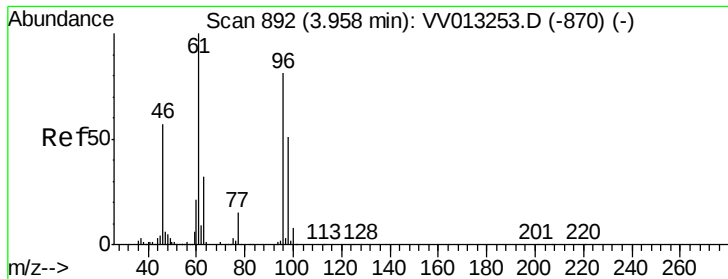


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



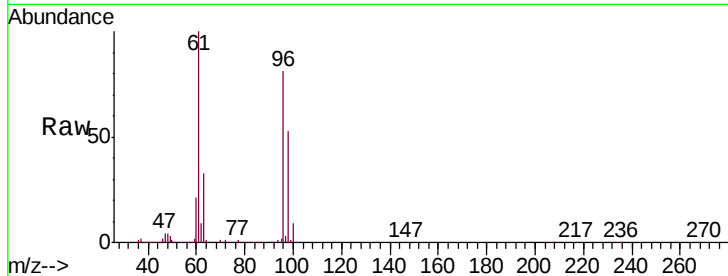


#22

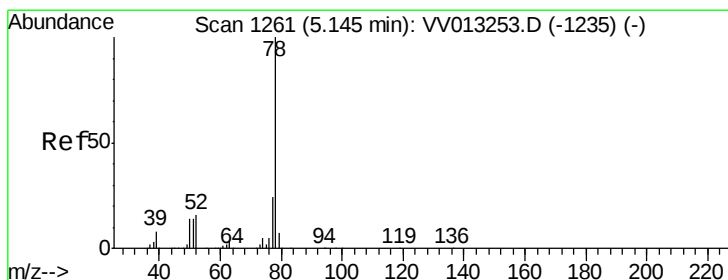
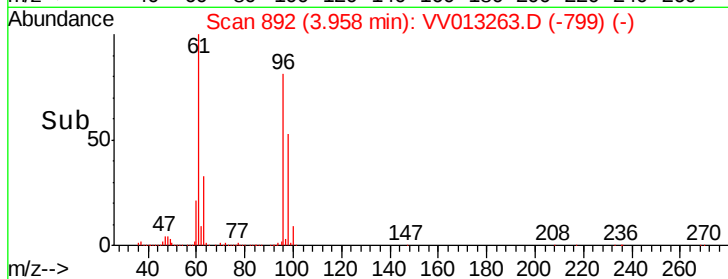
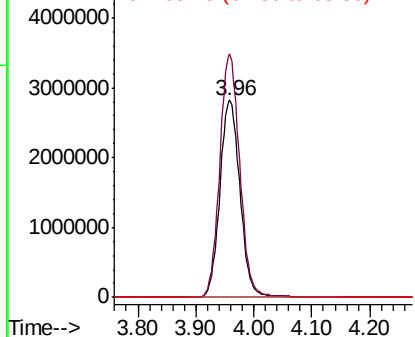
cis-1,2-Dichloroethene
 Concen: 157.671 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013263.D
 Acq: 21 Oct 2019 23:46

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G77

Tgt Ion: 96 Resp: 6758130
 Ion Ratio Lower Upper
 96 100
 61 123.3 77.3 143.7
 68 0.0 0.1 0.1#



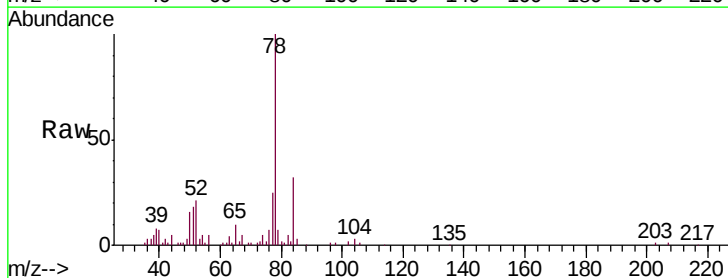
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



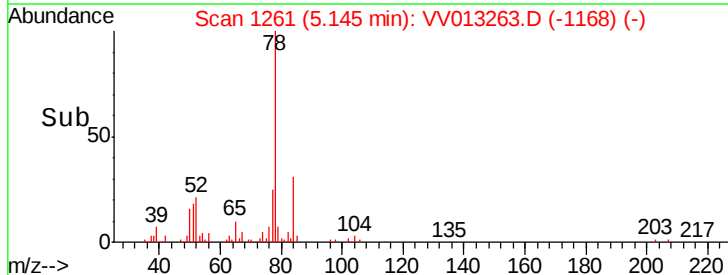
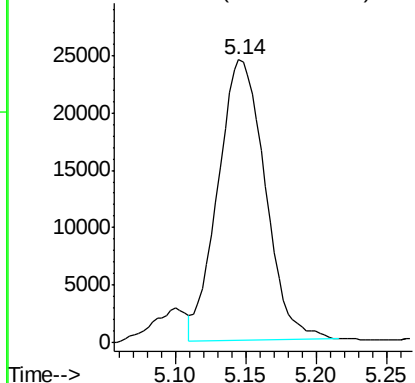
#33

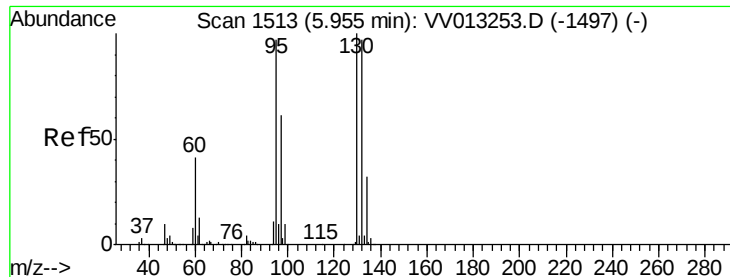
Benzene
 Concen: 0.317 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV013263.D
 Acq: 21 Oct 2019 23:46

Tgt Ion: 78 Resp: 57123



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.754 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

Instrument :

MSVOA_V

ClientSampleId :

H0G77

Tgt Ion: 95 Resp: 36463

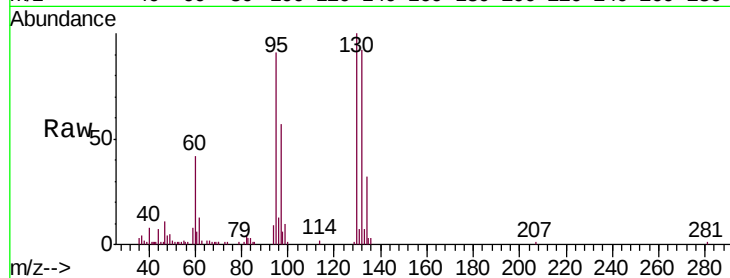
Ion Ratio Lower Upper

95 100

97 62.7 45.2 84.0

132 100.9 70.6 131.2

130 109.9 75.5 140.3

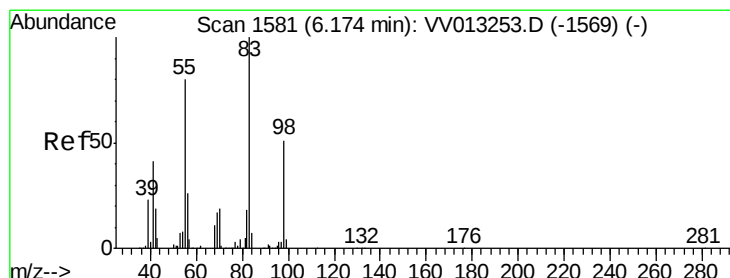
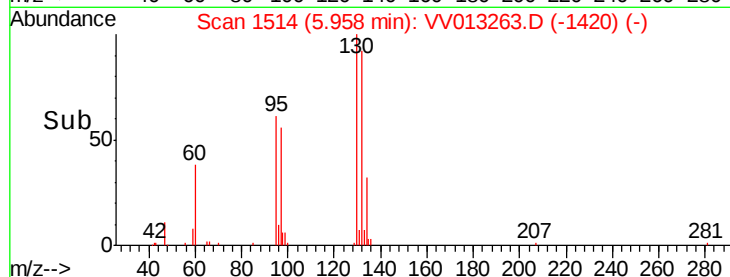
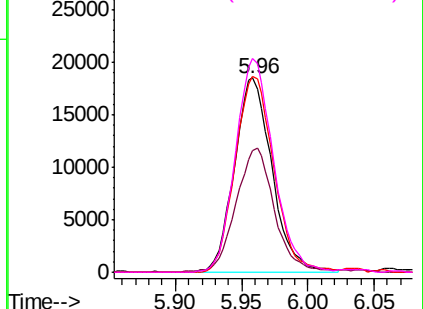


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.754 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

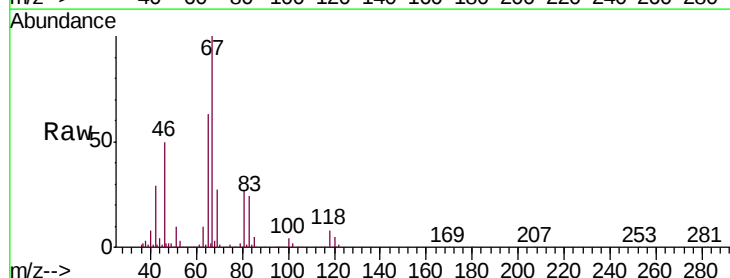
Tgt Ion: 83 Resp: 56164

Ion Ratio Lower Upper

83 100

55 0.1 62.4 93.6#

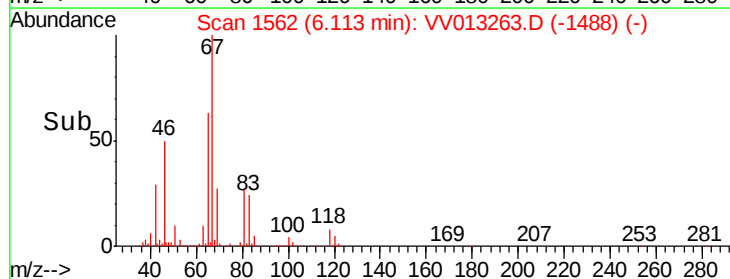
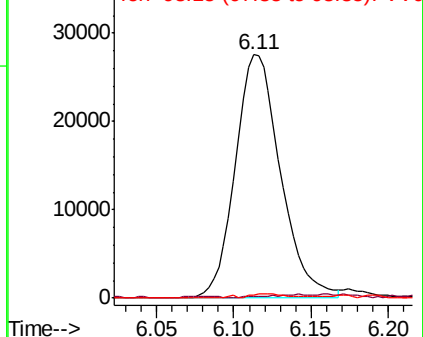
98 0.2 39.2 58.8#

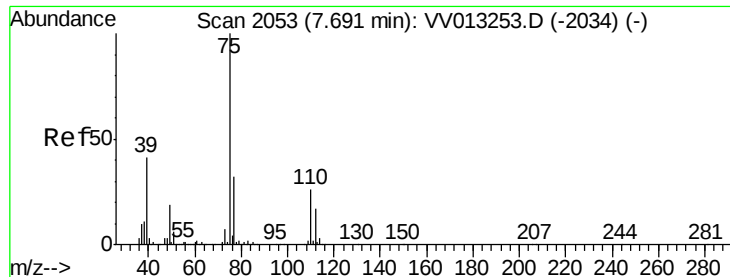


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

Instrument :

MSVOA_V

ClientSampleId :

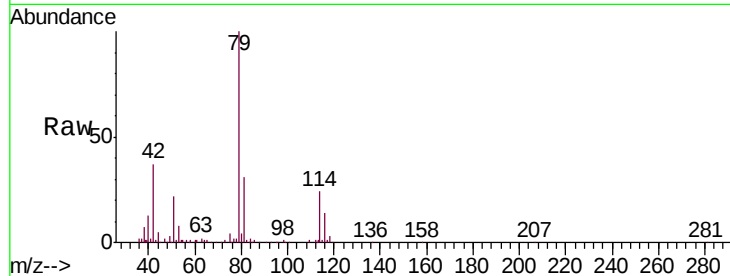
H0G77

Tgt Ion: 75 Resp: 3717

Ion Ratio Lower Upper

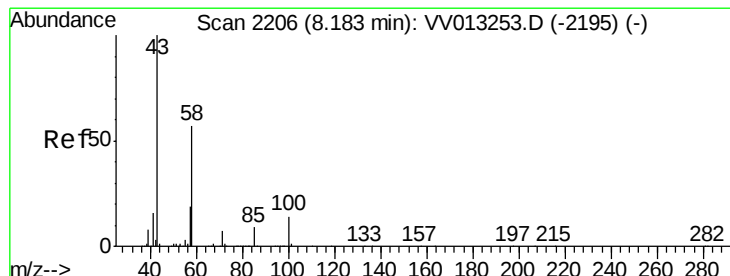
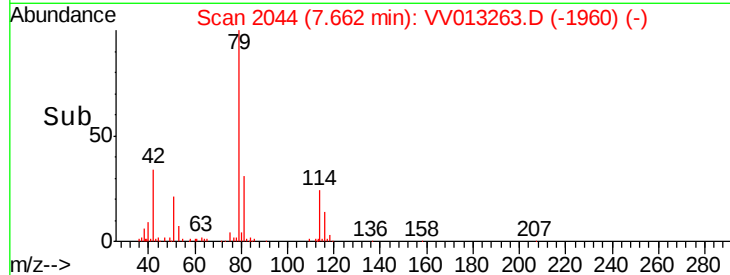
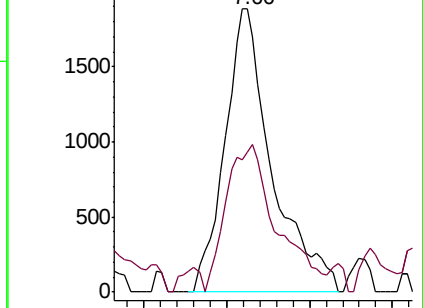
75 100

77 49.7 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 3.025 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV013263.D

Acq: 21 Oct 2019 23:46

Tgt Ion: 43 Resp: 48359

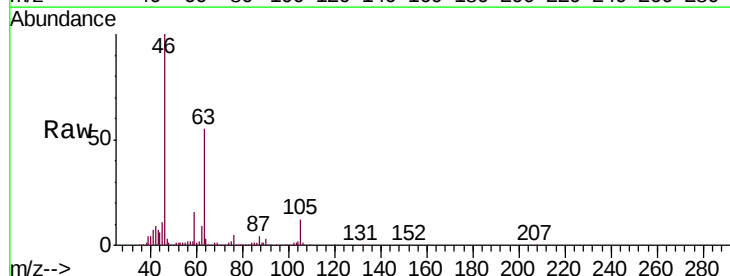
Ion Ratio Lower Upper

43 100

58 44.0 45.1 67.7#

57 30.2 15.5 23.3#

100 4.4 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

