

Data File : VV013259.D
Acq On : 21 Oct 2019 22:10
Operator : SY/MD
Sample : K5462-01
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G22

Quant Time: Oct 22 03:56:44 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	430906	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	457691	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	229822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	167163	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.58	69	140954	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.13	63	211507	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	3.96	46	390690	64.04	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.08%
24) Chloroform-d	4.40	84	374194	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.08	65	176382	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.09	84	757554	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.12	67	231597	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.36	98	636478	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.66	79	76174	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.14	63	272342	45.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	155260	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	246023	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	715231	17.199 ug/L	100
8) Chloroethane	1.32	64	223435	9.016 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2549	0.072 ug/L #	22
12) 1,1-Dichloroethene	2.13	96	3838	0.113 ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	49829	0.635 ug/L	95
18) trans-1,2-Dichloroethene	2.78	96	220499	5.521 ug/L	91
19) 1,1-Dichloroethane	3.23	63	13407	0.207 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	676394	15.823 ug/L #	86
33) Benzene	5.15	78	11446	0.065 ug/L	100
34) Trichloroethene	5.96	95	15454	0.330 ug/L	95
35) Methylcyclohexane	6.11	83	55715	0.772 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	25060	0.590 ug/L #	85
42) Toluene	7.43	91	11749	0.064 ug/L	93
44) trans-1,3-Dichloropropene	7.66	75	3645	0.080 ug/L #	40
48) 2-Hexanone	8.14	43	34813	2.247 ug/L #	84

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

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

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

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Instrument :
MSVOA_V
ClientSampleId :
H0G22

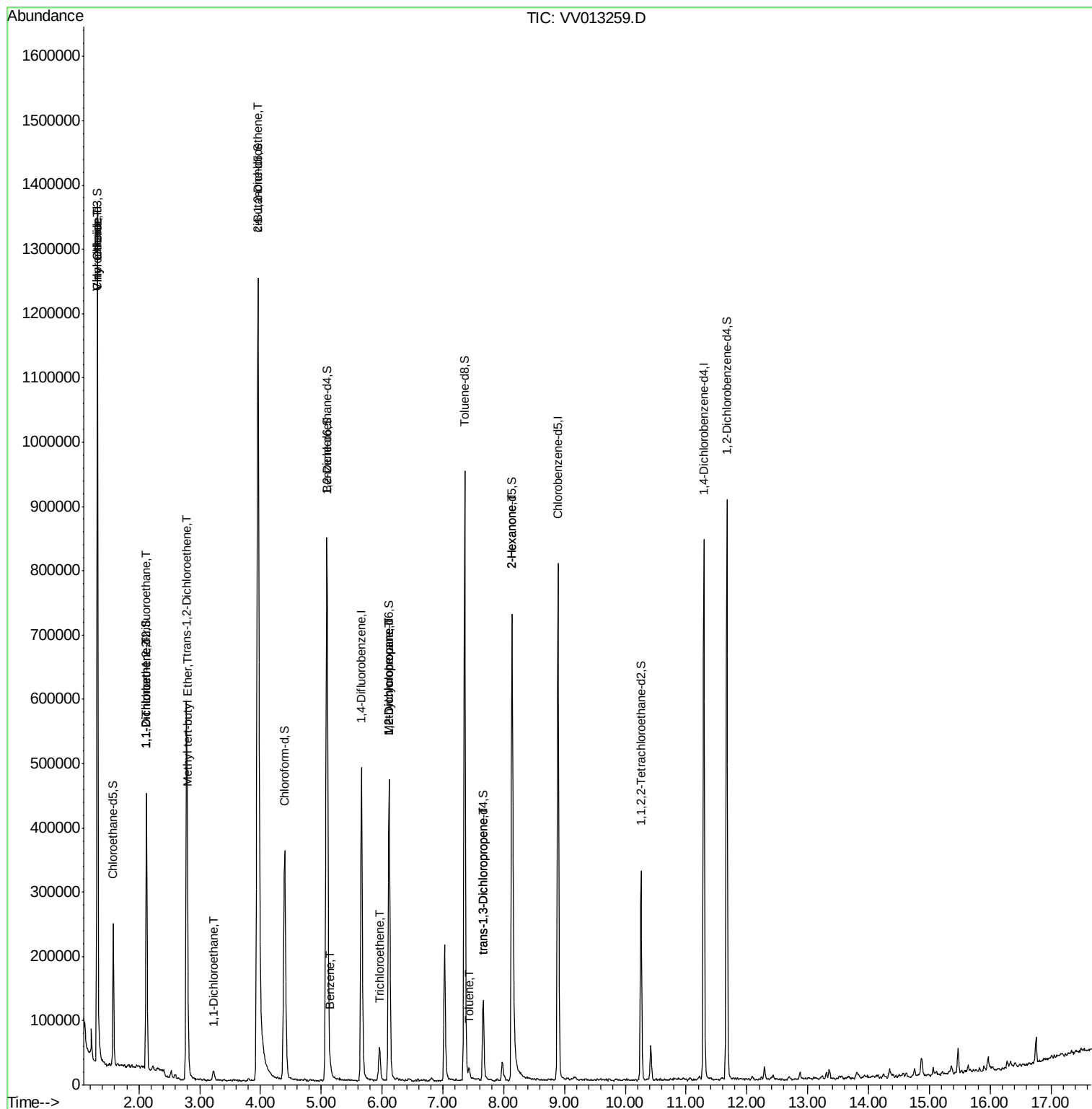
Quant Time: Oct 22 03:56:44 2019

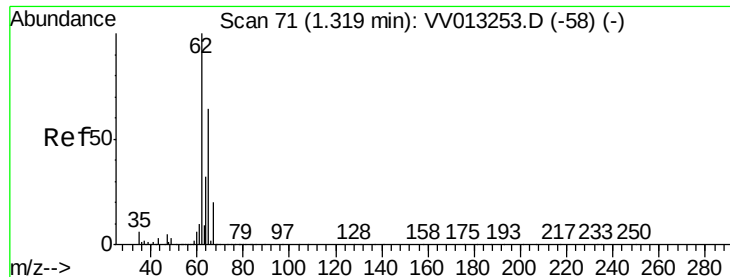
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR102119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Oct 22 03:42:02 2019

Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.199 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

Instrument :

MSVOA_V

ClientSampleId :

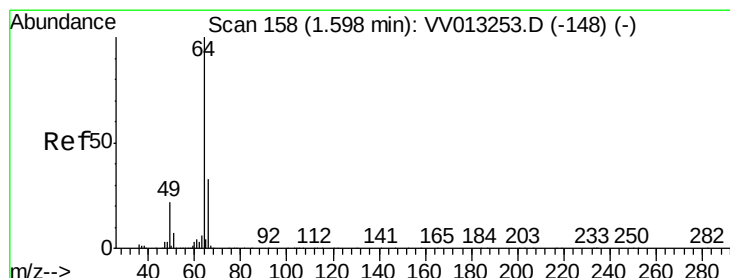
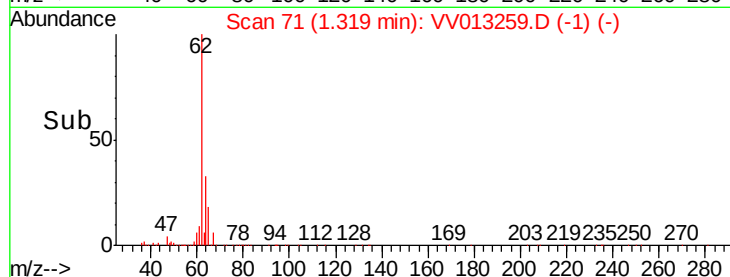
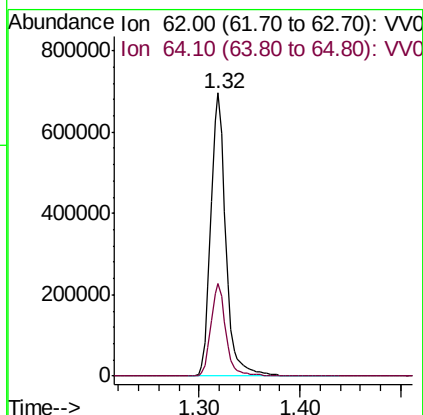
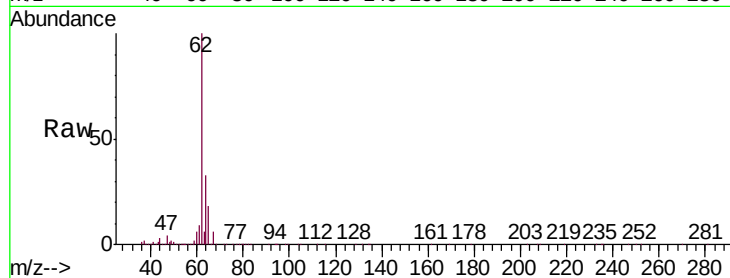
H0G22

Tgt Ion: 62 Resp: 715231

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#8

Chloroethane

Concen: 9.016 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV013259.D

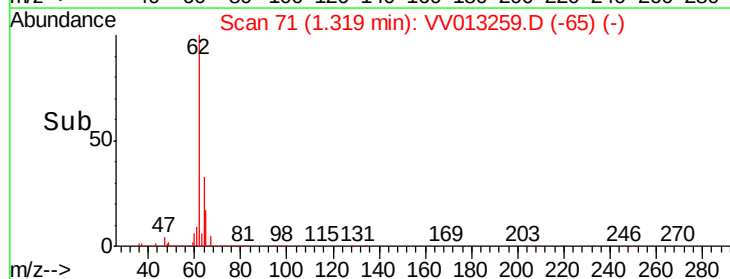
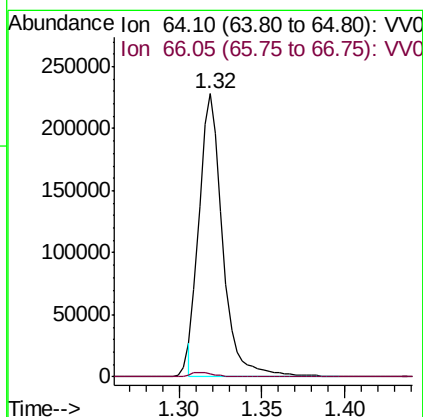
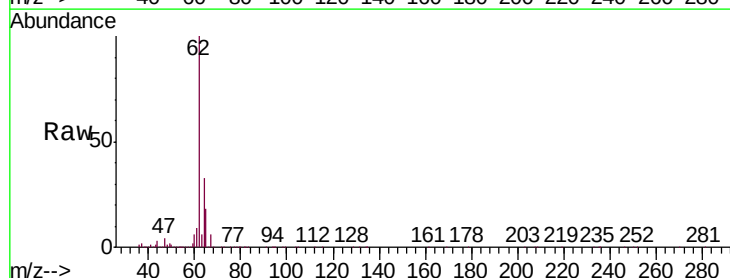
Acq: 21 Oct 2019 22:10

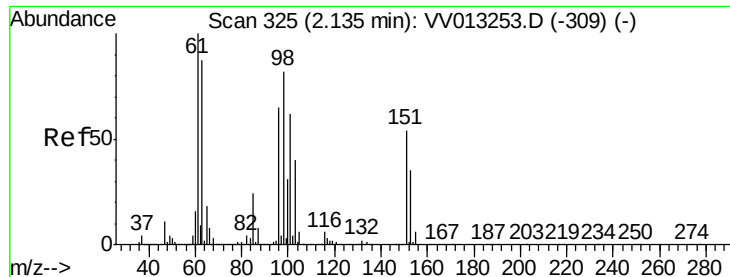
Tgt Ion: 64 Resp: 223435

Ion Ratio Lower Upper

64 100

66 1.3 22.7 42.3#





#10

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

Concen: 0.072 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

Instrument :

MSVOA_V

ClientSampleId :

H0G22

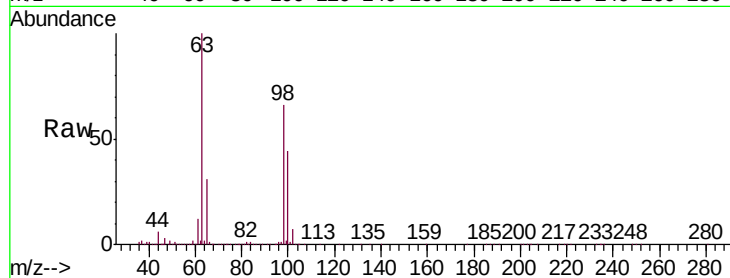
Tgt Ion:101 Resp: 2549

Ion Ratio Lower Upper

101 100

85 13.7 31.8 47.8#

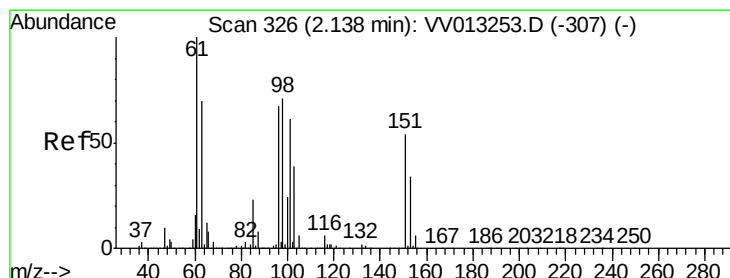
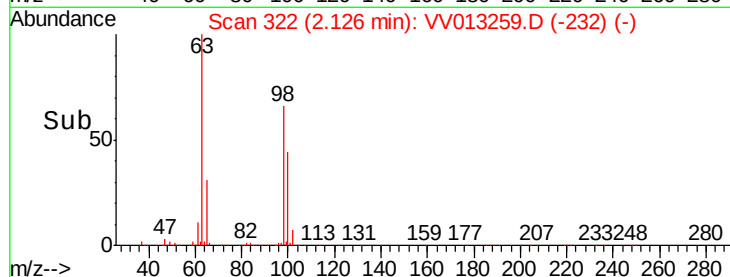
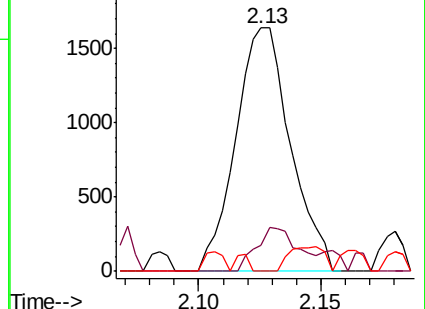
151 1.6 72.9 109.3#



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: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

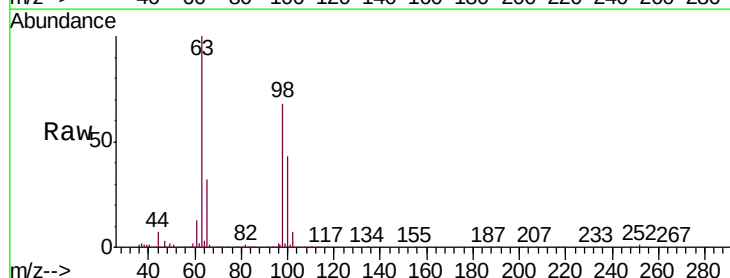
Tgt Ion: 96 Resp: 3838

Ion Ratio Lower Upper

96 100

61 609.8 104.0 193.1#

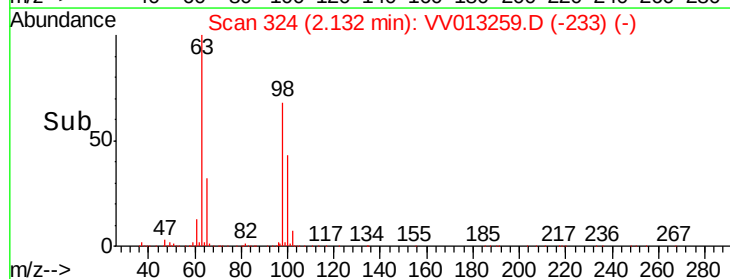
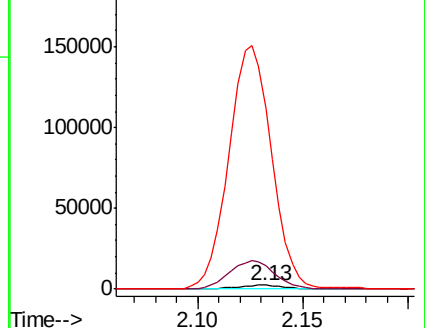
63 4750.0 67.1 124.5#

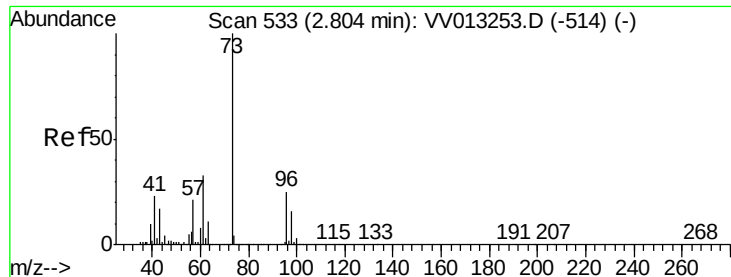


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

Methyl tert-butyl Ether

Concen: 0.635 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

Instrument :

MSVOA_V

ClientSampleId :

H0G22

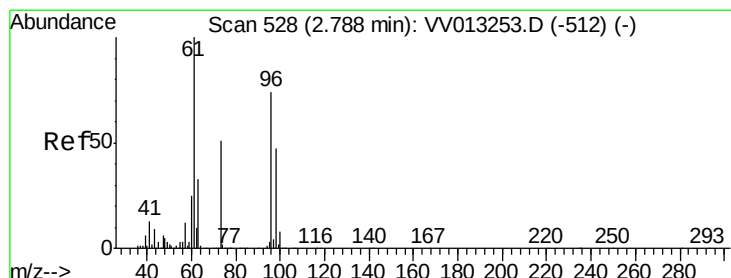
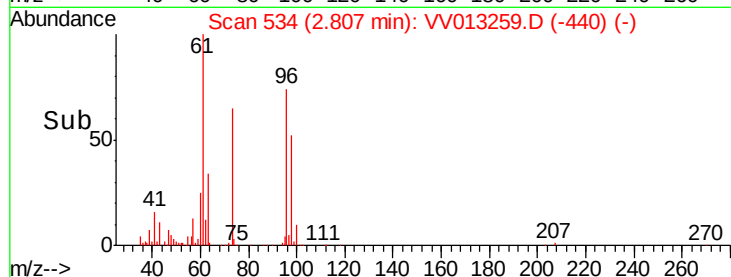
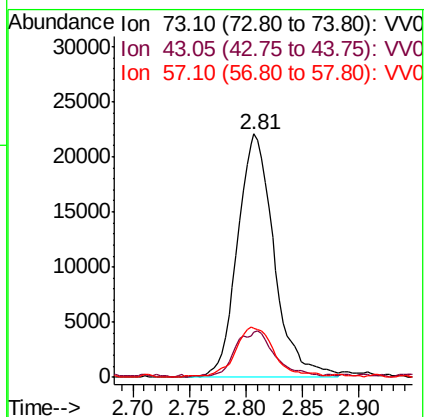
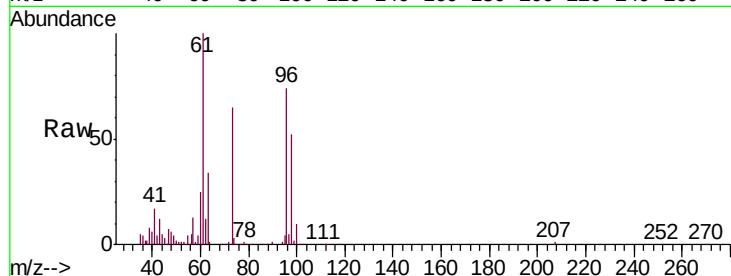
Tgt Ion: 73 Resp: 49829

Ion Ratio Lower Upper

73 100

43 19.6 13.1 19.7

57 22.0 16.4 24.6



#18

trans-1,2-Dichloroethene

Concen: 5.521 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

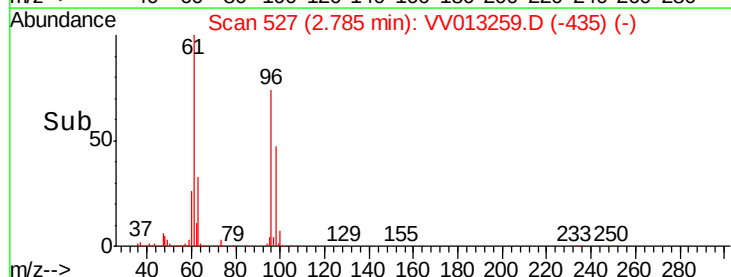
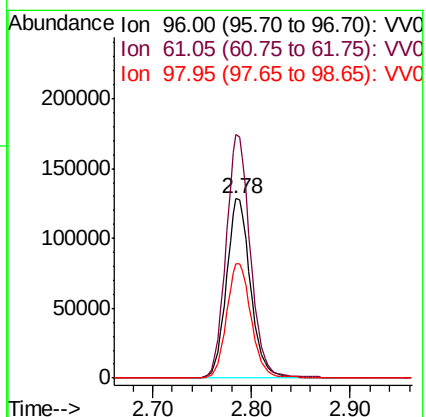
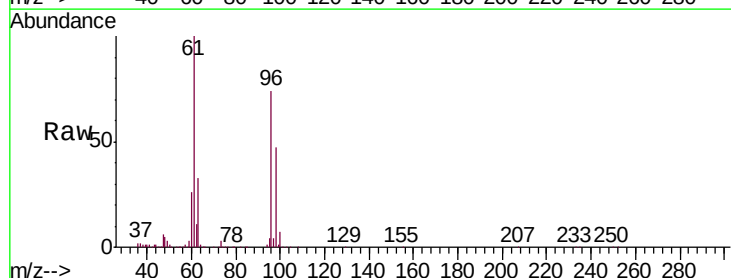
Tgt Ion: 96 Resp: 220499

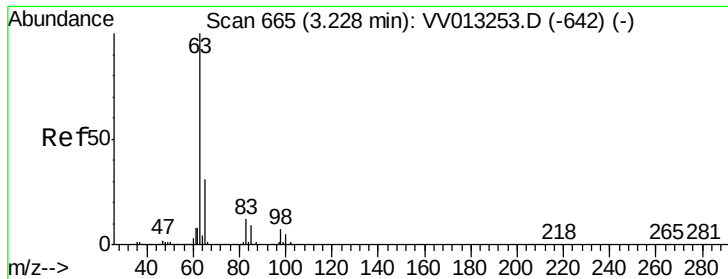
Ion Ratio Lower Upper

96 100

61 136.0 84.4 156.8

98 63.8 44.4 82.4

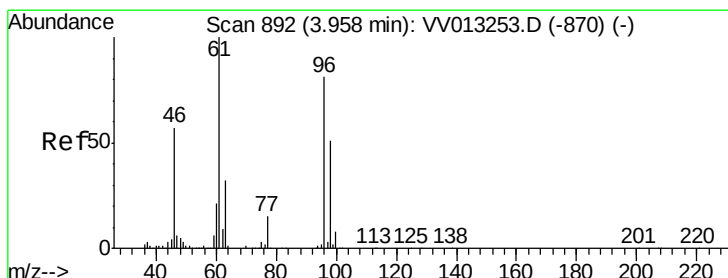
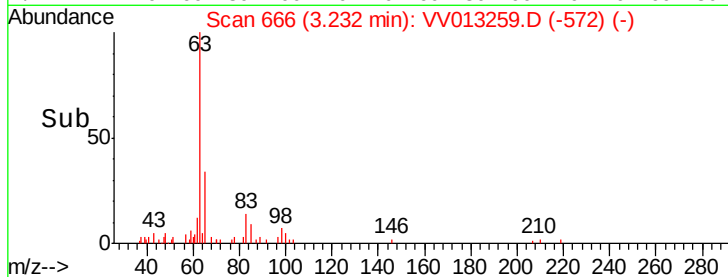
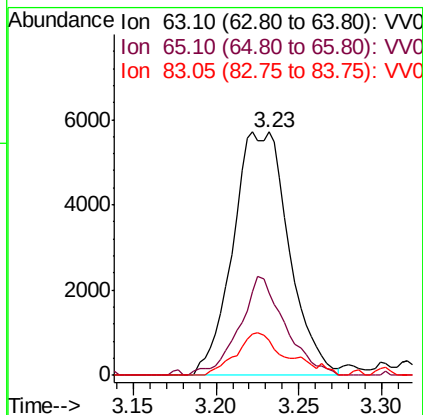
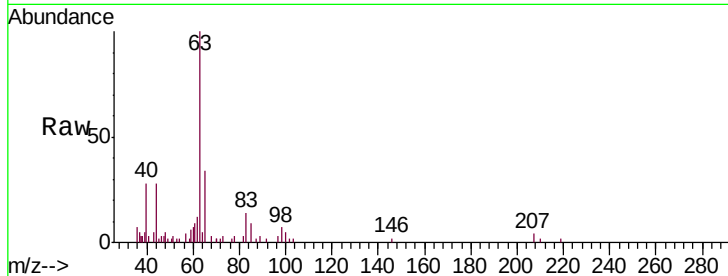




#19
 1,1-Dichloroethane
 Concen: 0.207 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV013259.D
 Acq: 21 Oct 2019 22:10

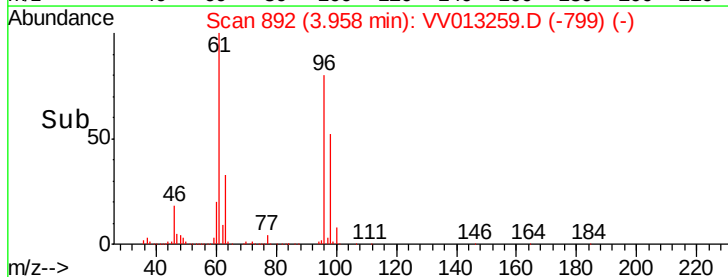
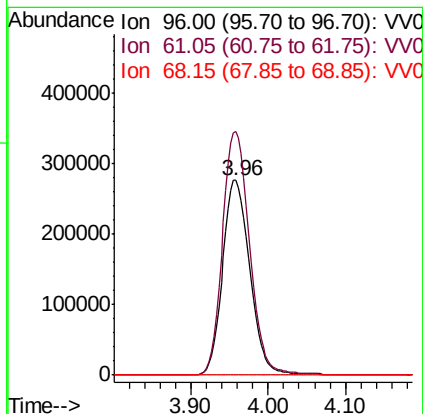
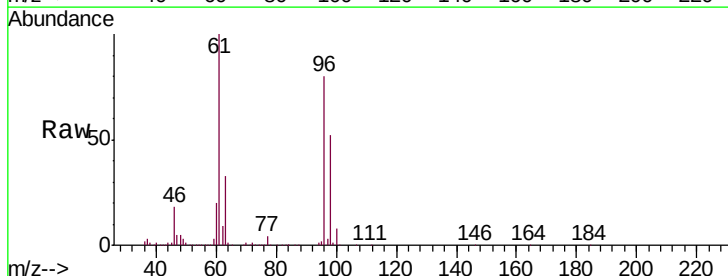
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G22

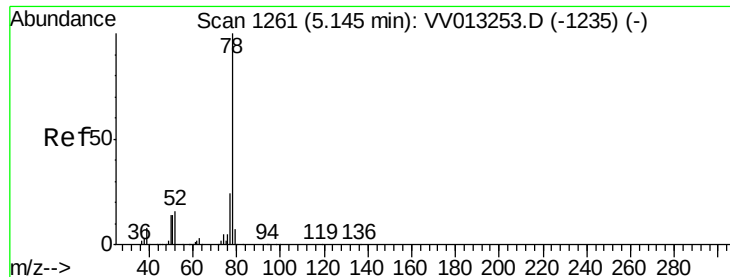
Tgt Ion:	63	Resp:	13407
Ion	Ratio	Lower	Upper
63	100		
65	34.0	23.0	42.8
83	14.3	10.2	19.0



#22
 cis-1,2-Dichloroethene
 Concen: 15.823 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013259.D
 Acq: 21 Oct 2019 22:10

Tgt Ion:	96	Resp:	676394
Ion	Ratio	Lower	Upper
96	100		
61	124.9	77.3	143.7
68	0.0	0.1	0.1#





#33

Benzene

Concen: 0.065 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

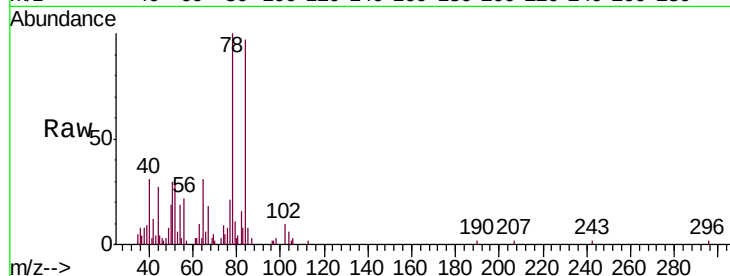
Instrument :

MSVOA_V

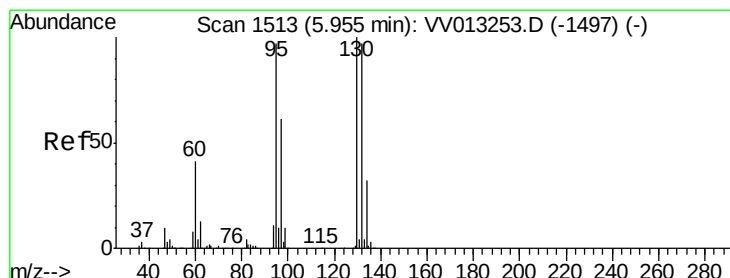
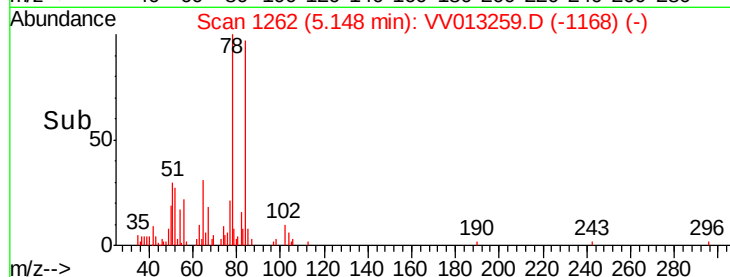
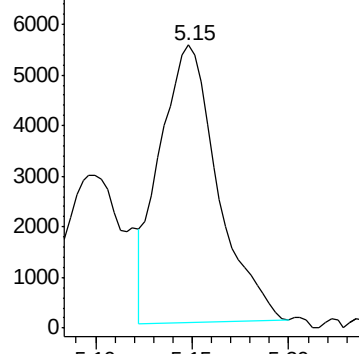
ClientSampleId :

H0G22

Tgt Ion: 78 Resp: 11446



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.330 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

Tgt Ion: 95 Resp: 15454

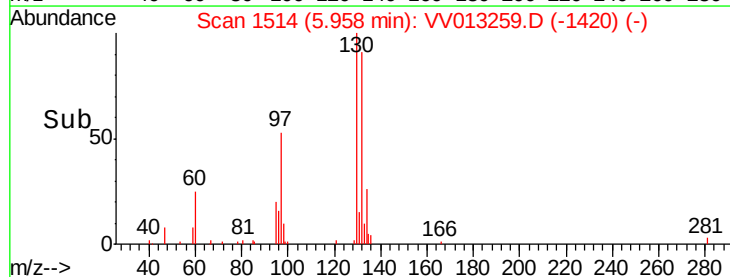
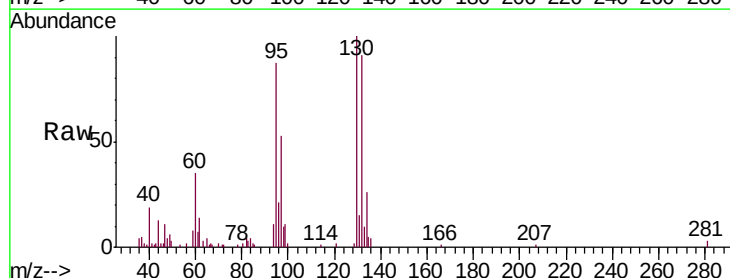
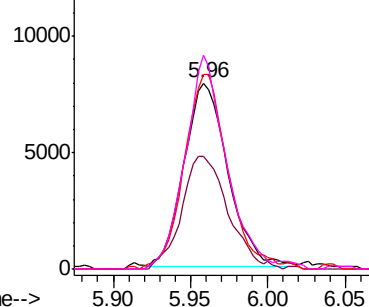
Ion	Ratio	Lower	Upper
95	100		
97	60.3	45.2	84.0
132	104.6	70.6	131.2
130	114.7	75.5	140.3

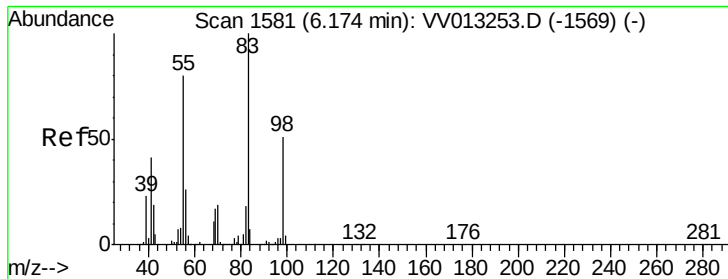
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

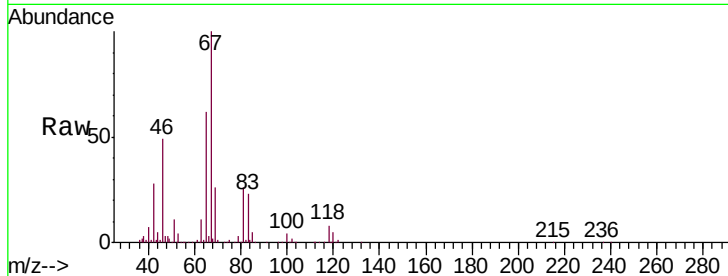




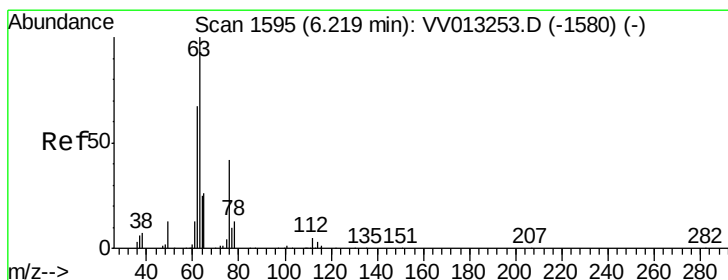
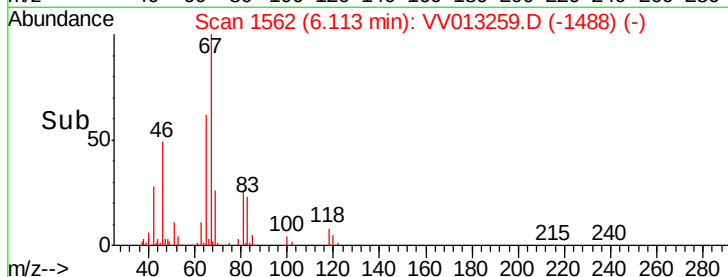
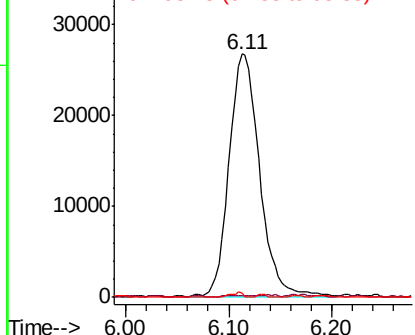
#35
Methylcyclohexane
Concen: 0.772 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013259.D
Acq: 21 Oct 2019 22:10

Instrument :
MSVOA_V
ClientSampleId :
H0G22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.8	62.4	93.6#
98	0.8	39.2	58.8#

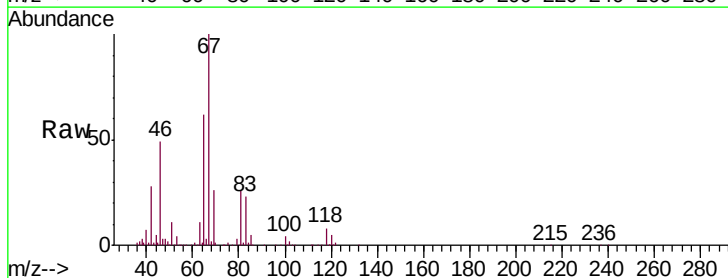


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

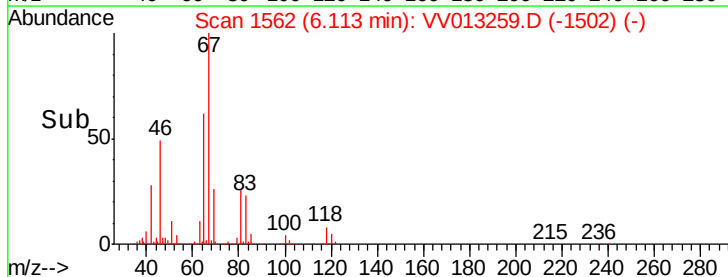
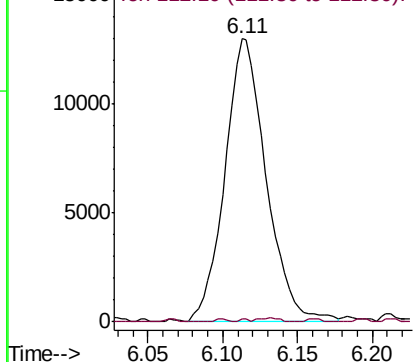


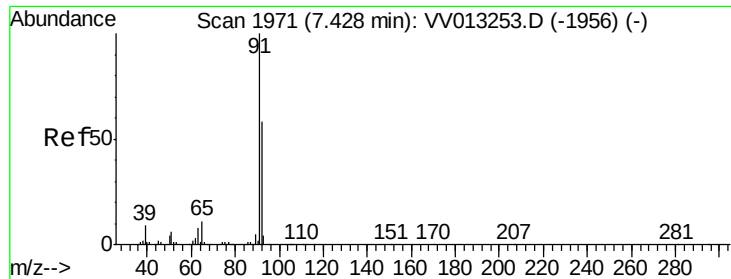
#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV013259.D
Acq: 21 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.2	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# 1972

Delta R.T. 0.00 min

Lab File: VV013259.D

Acq: 21 Oct 2019 22:10

Instrument :

MSVOA_V

ClientSampleId :

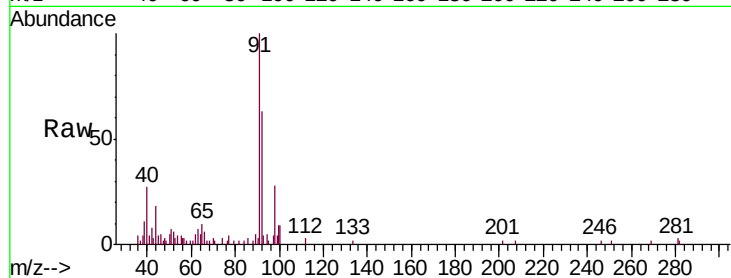
H0G22

Tgt Ion: 91 Resp: 11749

Ion Ratio Lower Upper

91 100

92 63.1 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

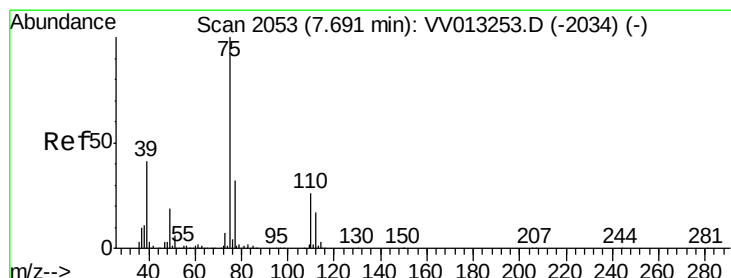
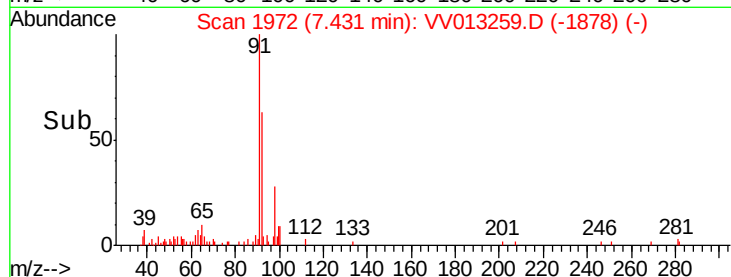
6000

4000

2000

0

Time--> 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013259.D

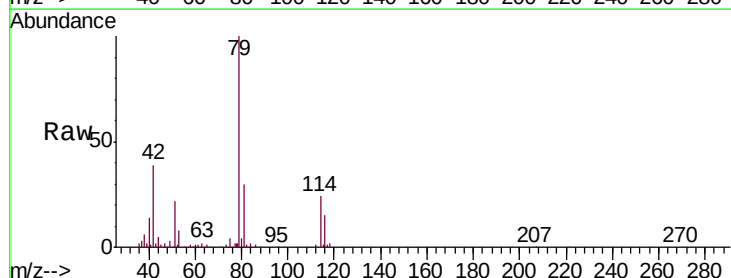
Acq: 21 Oct 2019 22:10

Tgt Ion: 75 Resp: 3645

Ion Ratio Lower Upper

75 100

77 64.3 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

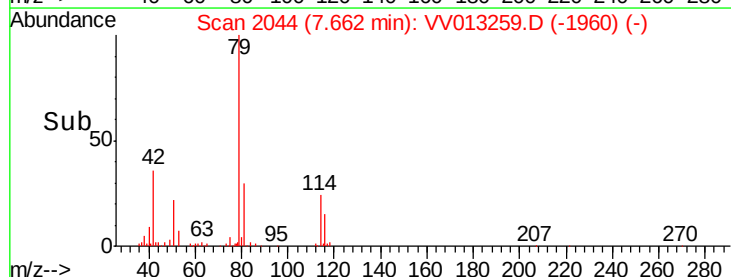
1500

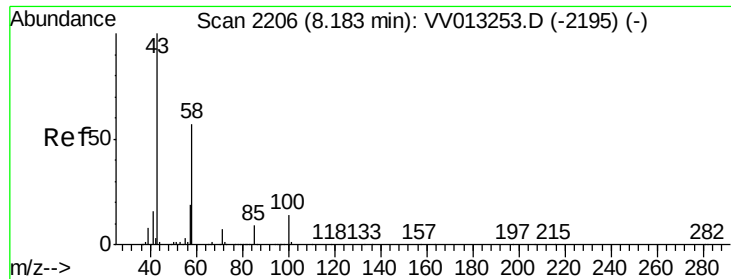
1000

500

0

Time--> 7.60 7.65 7.70 7.75





#48
 2-Hexanone
 Concen: 2.247 ug/L
 RT: 8.14 min Scan# 2192
 Delta R.T. -0.04 min
 Lab File: VV013259.D
 Acq: 21 Oct 2019 22:10

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G22

Tgt Ion:	43	Resp:	34813
Ion	Ratio	Lower	Upper
43	100		
58	50.9	45.1	67.7
57	37.0	15.5	23.3#
100	4.6	10.2	15.2#

