

Data File : VV013328.D
Acq On : 24 Oct 2019 23:19
Operator : SY/MD
Sample : K5462-18
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G10

Quant Time: Oct 25 04:47:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	401700	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	432818	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	224542	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	149905	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.58	69	129854	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.13	63	179502	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.96	46	405373	71.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	142.54%#
24) Chloroform-d	4.40	84	334299	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.08	65	164357	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.10	84	682478	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	210587	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	568981	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.66	79	60535	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.13	63	238980	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	144787	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	234048	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	123514	3.186	ug/L 100
8) Chloroethane	1.32	64	40034	1.733	ug/L # 55
12) 1,1-Dichloroethene	2.13	96	6764	0.214	ug/L # 1
17) Methyl tert-butyl Ether	2.81	73	10974156	150.035	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	113196	3.040	ug/L 93
19) 1,1-Dichloroethane	3.23	63	62708	1.036	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	3344529	83.927	ug/L # 92
25) Chloroform	4.42	83	11438	0.145	ug/L 91
27) 1,2-Dichloroethane	5.10	62	3900	0.093	ug/L 98
33) Benzene	5.15	78	22048	0.133	ug/L 100
34) Trichloroethene	5.96	95	814336	18.363	ug/L 96
35) Methylcyclohexane	6.12	83	50468	0.740	ug/L # 19
37) 1,2-Dichloropropane	6.12	63	22379	0.557	ug/L # 85
44) trans-1,3-Dichloropropene	7.66	75	2585	0.060	ug/L # 40
48) 2-Hexanone	8.19	43	16305	1.113	ug/L # 75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

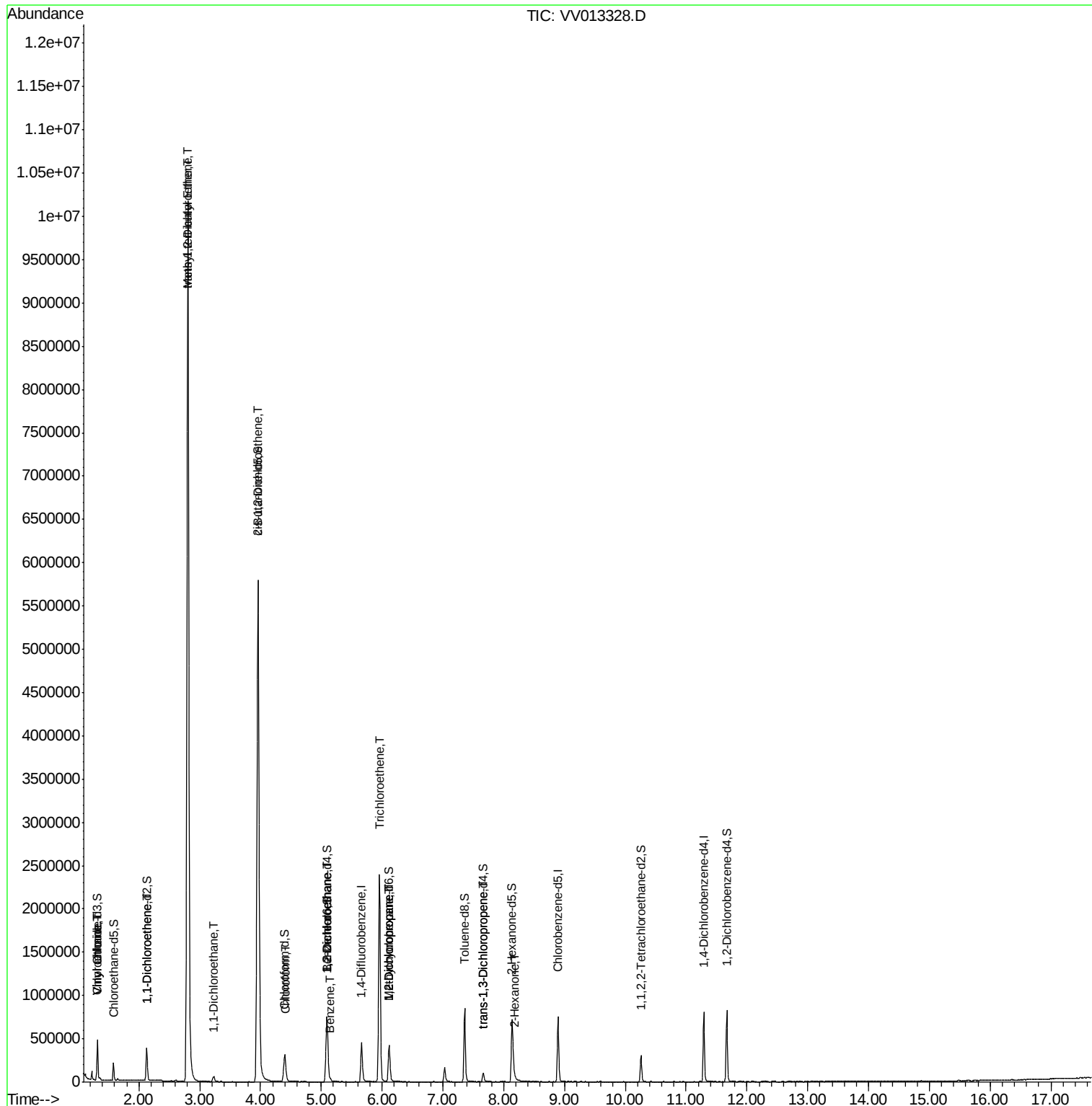
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

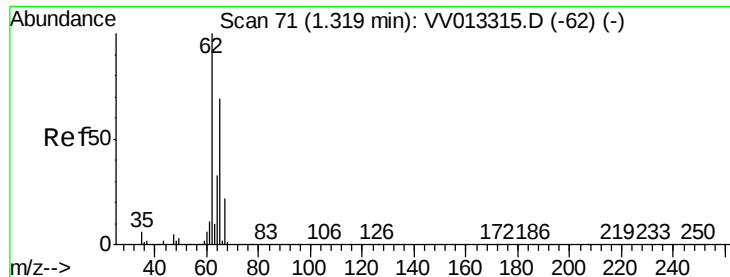
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 3.186 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

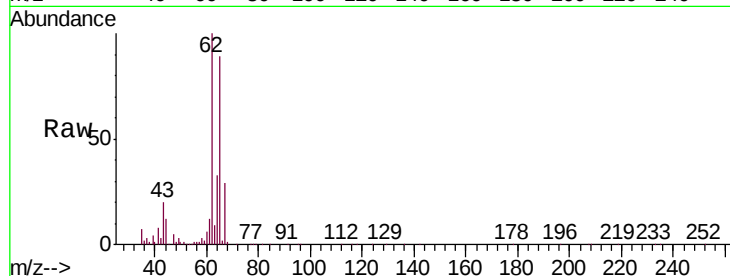
H0G10

Tgt Ion: 62 Resp: 123514

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

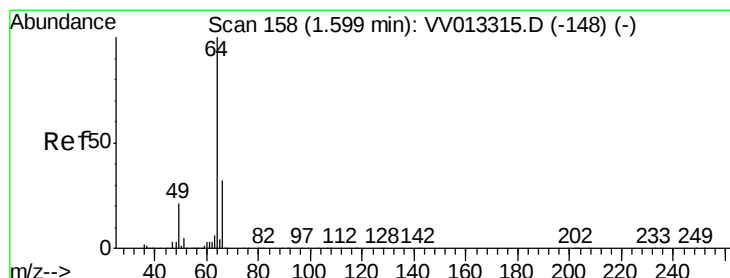
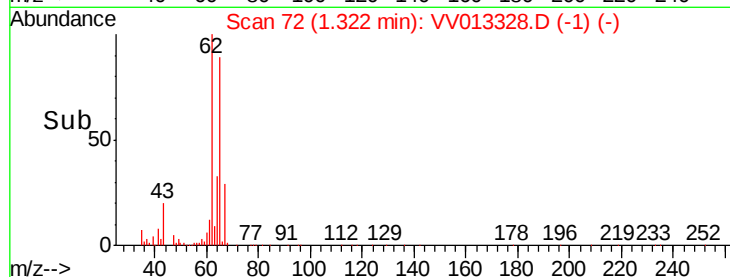
1.32

100000

50000

0

Time-->



#8

Chloroethane

Concen: 1.733 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013328.D

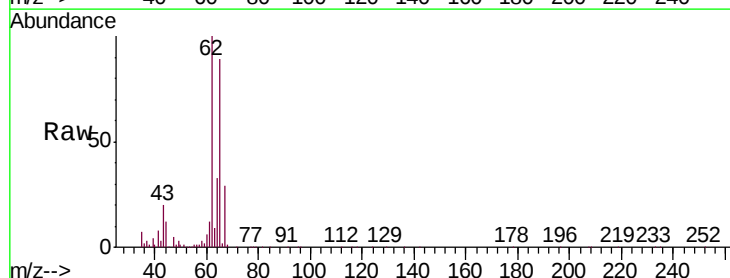
Acq: 24 Oct 2019 23:19

Tgt Ion: 64 Resp: 40034

Ion Ratio Lower Upper

64 100

66 7.0 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.32

40000

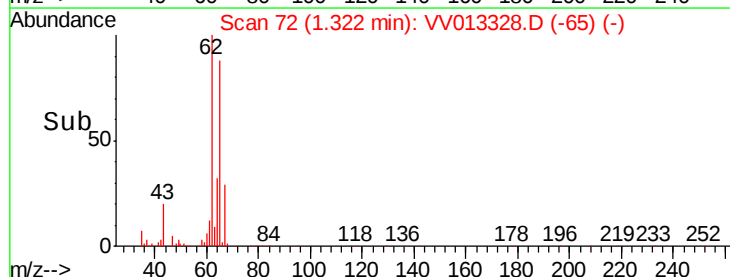
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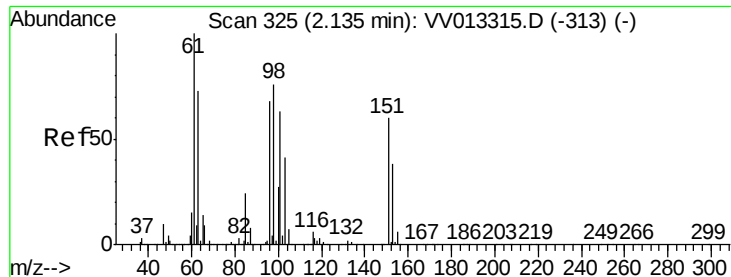
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Time-->

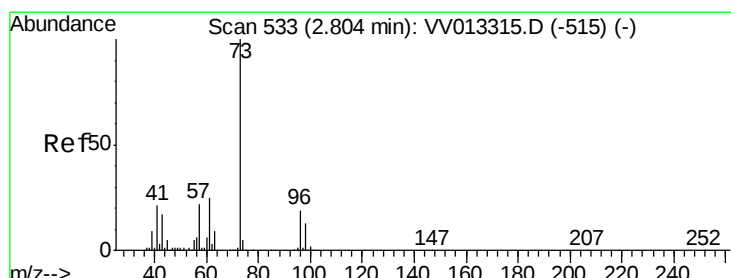
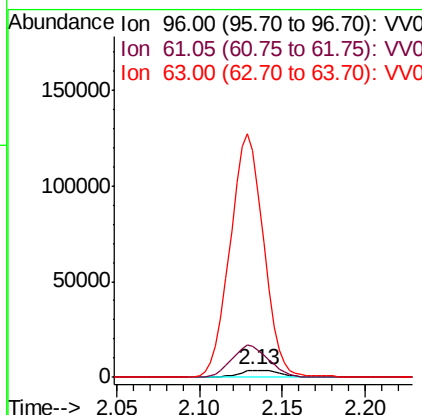
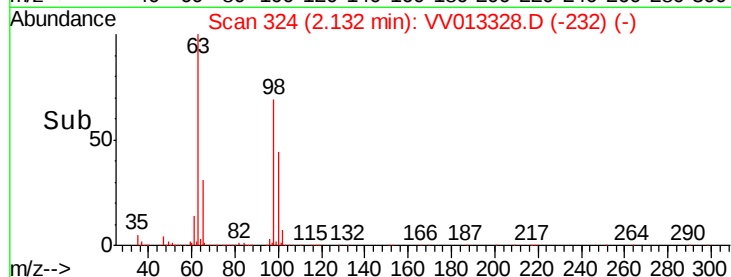
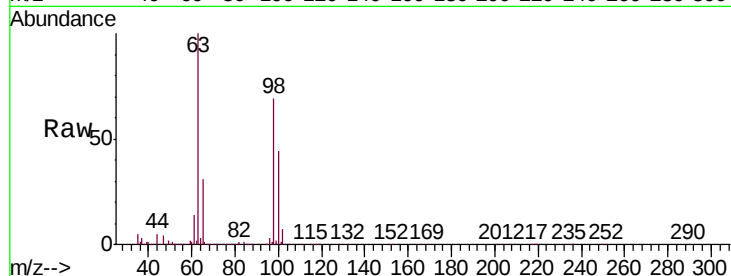




#12
 1,1-Dichloroethene
 Concen: 0.214 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 23:19

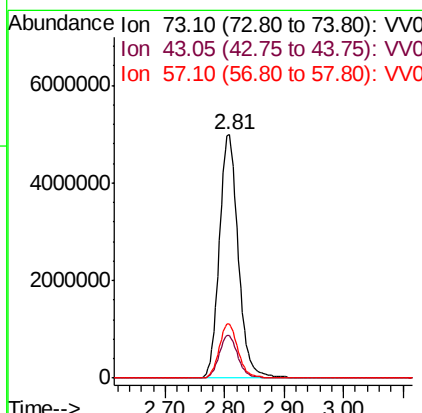
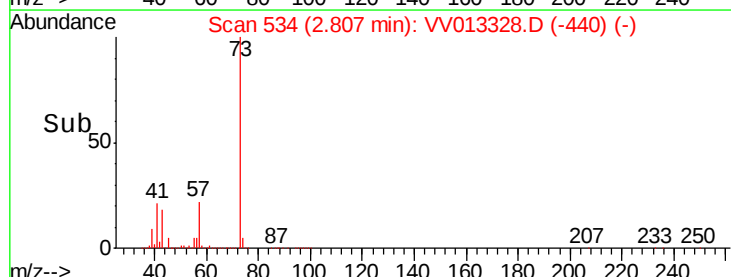
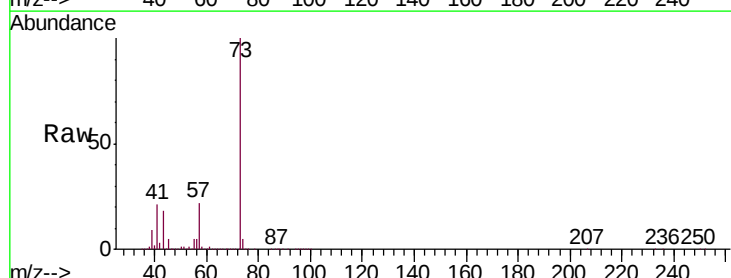
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10

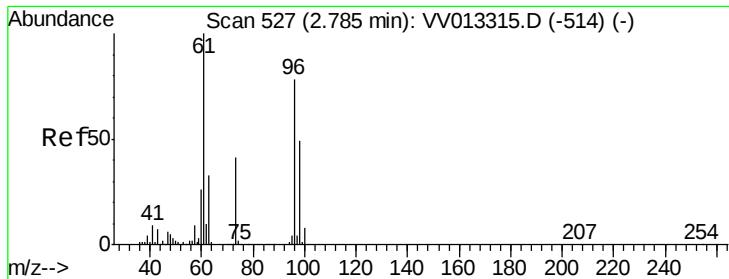
Tgt Ion: 96 Resp: 6764
 Ion Ratio Lower Upper
 96 100
 61 447.5 104.0 193.1#
 63 3222.8 67.1 124.5#



#17
 Methyl tert-butyl Ether
 Concen: 150.035 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 23:19

Tgt Ion: 73 Resp:10974156
 Ion Ratio Lower Upper
 73 100
 43 17.5 13.1 19.7
 57 22.3 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 3.040 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013328.D

Acq: 24 Oct 2019 23:19

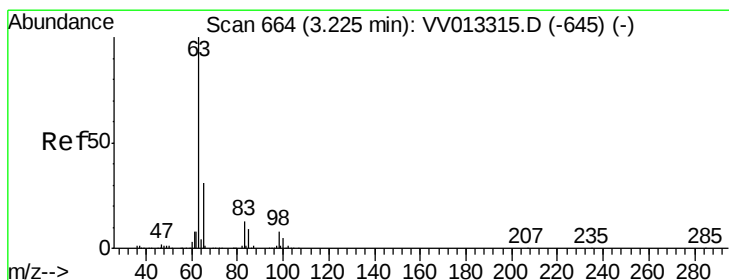
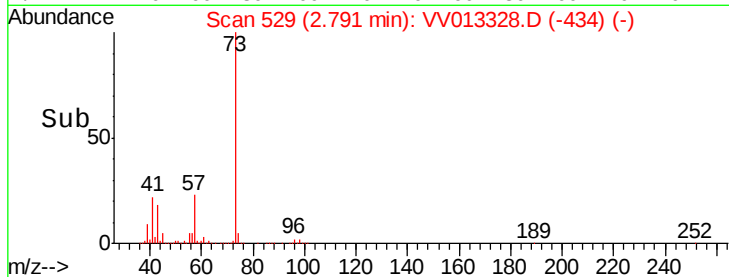
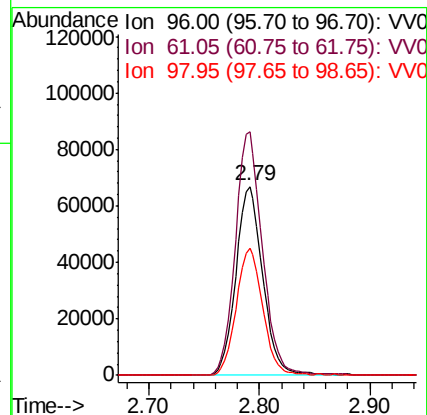
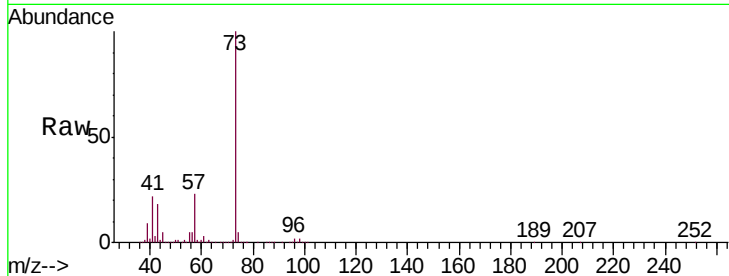
Instrument :

MSVOA_V

ClientSampleId :

H0G10

Tgt Ion:	96	Resp:	113196
Ion	Ratio	Lower	Upper
96	100		
61	128.8	84.4	156.8
98	67.4	44.4	82.4



#19

1,1-Dichloroethane

Concen: 1.036 ug/L

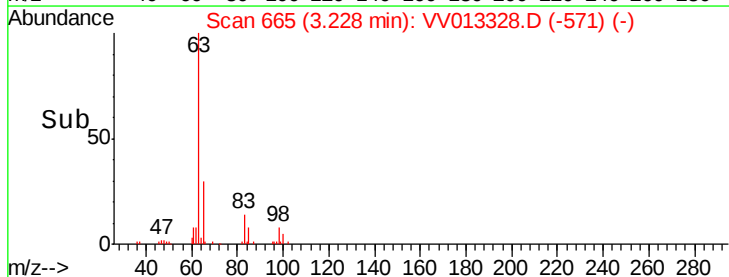
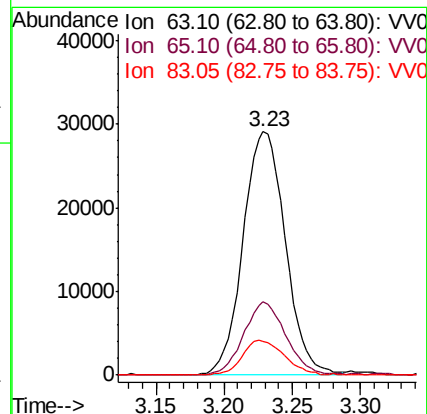
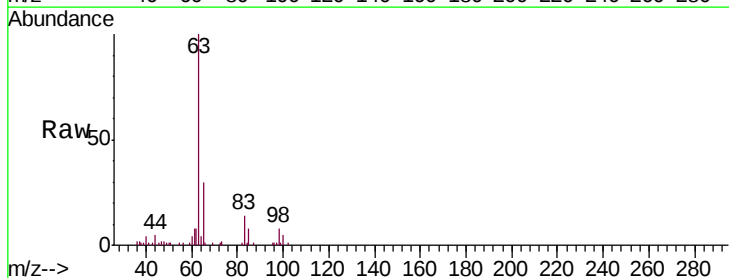
RT: 3.23 min Scan# 665

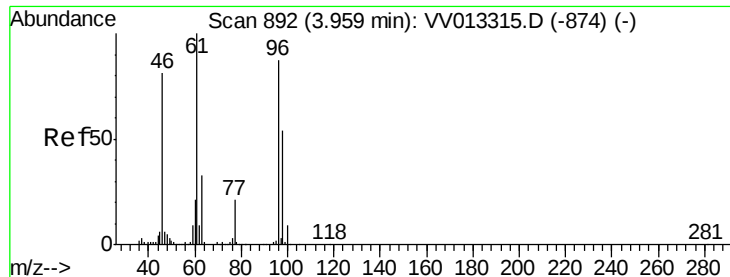
Delta R.T. 0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 23:19

Tgt Ion:	63	Resp:	62708
Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.0	42.8
83	14.1	10.2	19.0



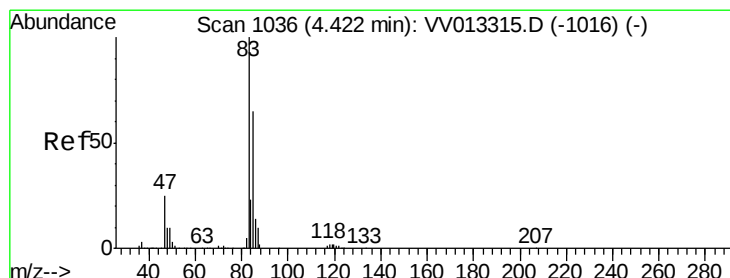
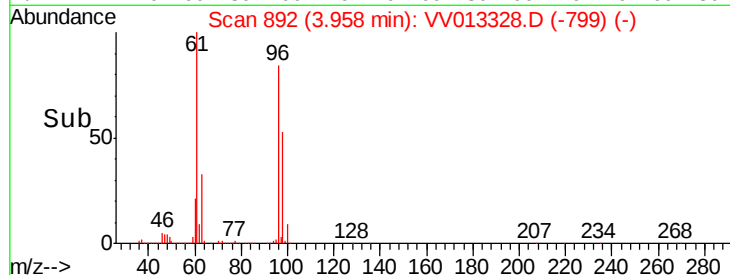
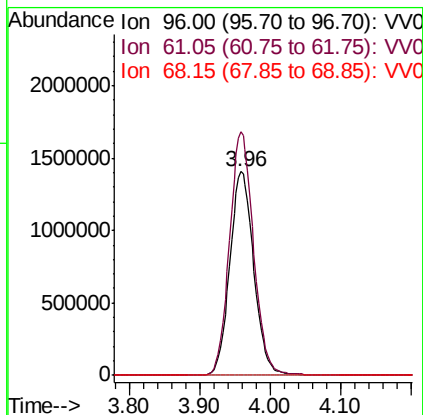
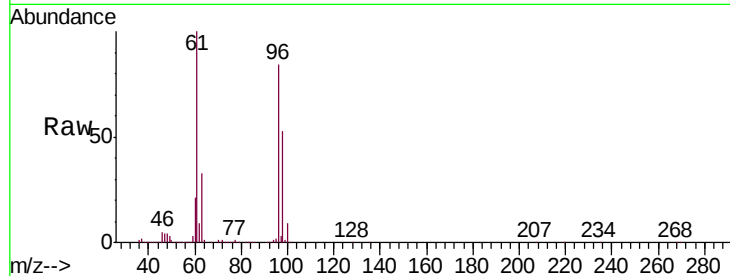


#22

cis-1,2-Dichloroethene
 Concen: 83.927 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 23:19

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10

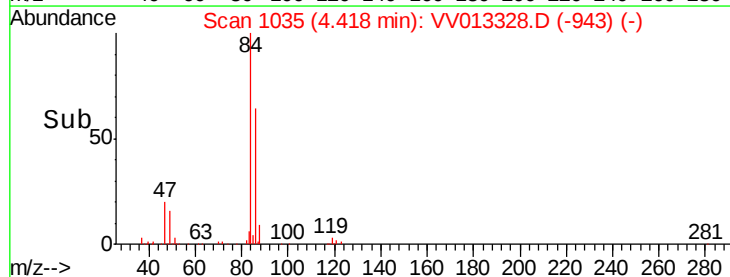
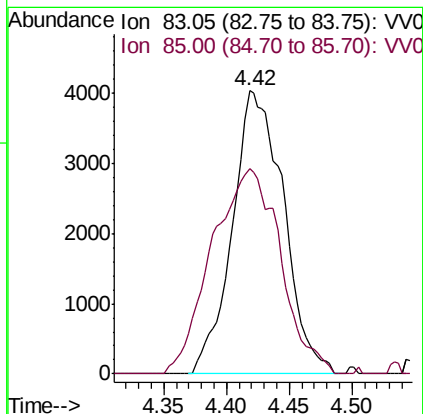
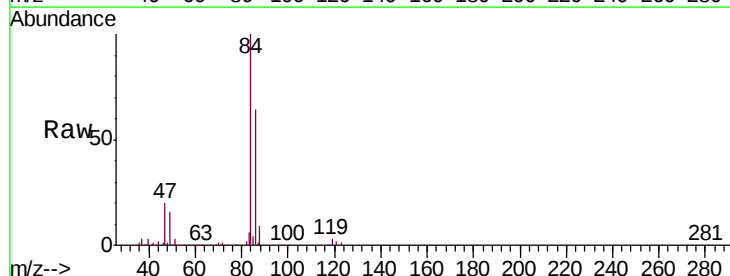
Tgt Ion: 96 Resp: 3344529
 Ion Ratio Lower Upper
 96 100
 61 119.5 77.3 143.7
 68 0.0 0.1 0.1#

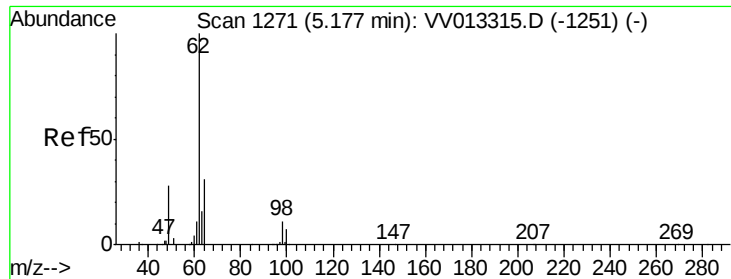


#25

Chloroform
 Concen: 0.145 ug/L
 RT: 4.42 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 23:19

Tgt Ion: 83 Resp: 11438
 Ion Ratio Lower Upper
 83 100
 85 72.3 45.7 84.9

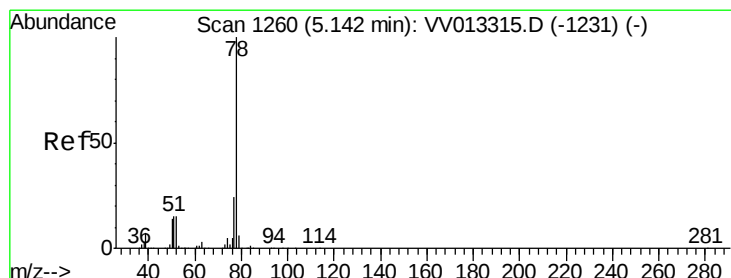
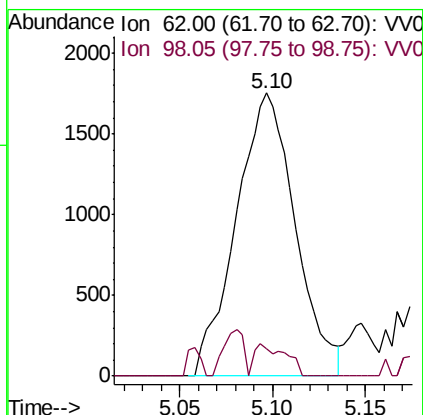
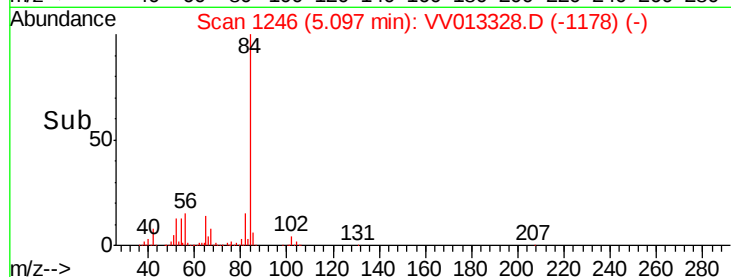
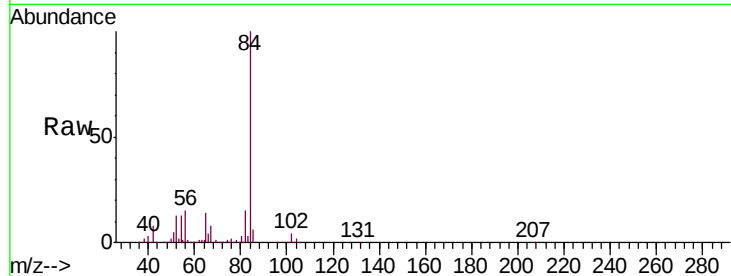




#27
 1,2-Dichloroethane
 Concen: 0.093 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 23:19

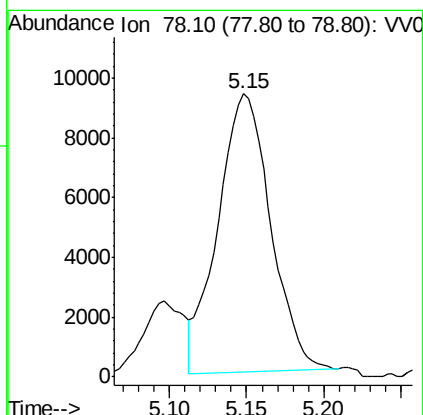
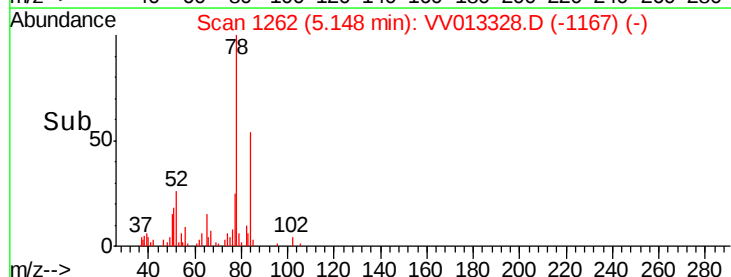
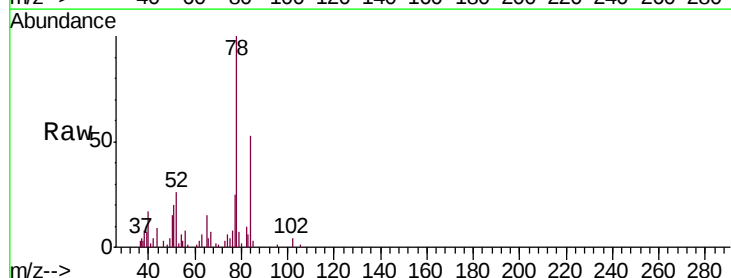
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10

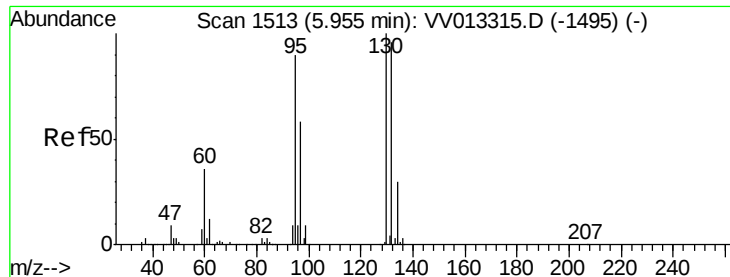
Tgt Ion: 62 Resp: 3900
 Ion Ratio Lower Upper
 62 100
 98 9.7 8.3 12.5



#33
 Benzene
 Concen: 0.133 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 23:19

Tgt Ion: 78 Resp: 22048





#34

Trichloroethene

Concen: 18.363 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

H0G10

Tgt Ion: 95 Resp: 814336

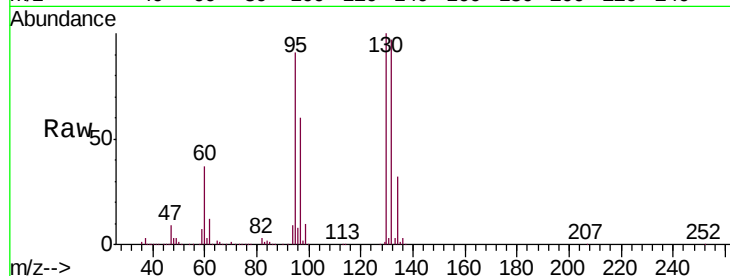
Ion Ratio Lower Upper

95 100

97 66.2 45.2 84.0

132 107.4 70.6 131.2

130 110.4 75.5 140.3

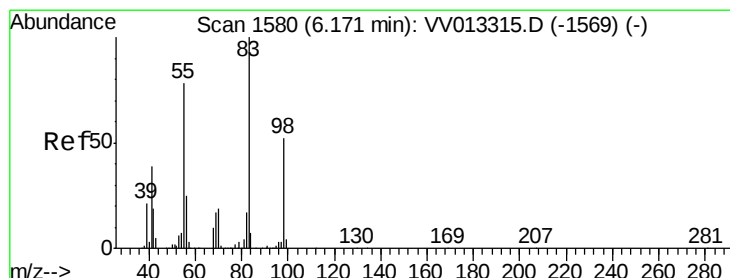
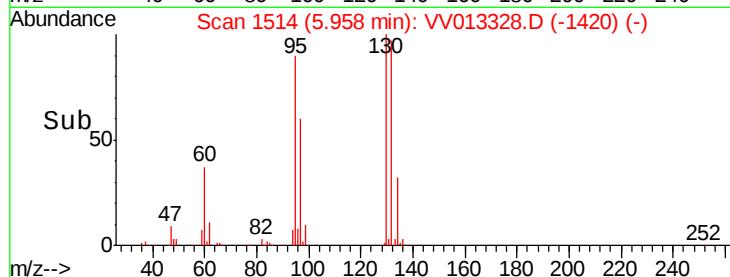
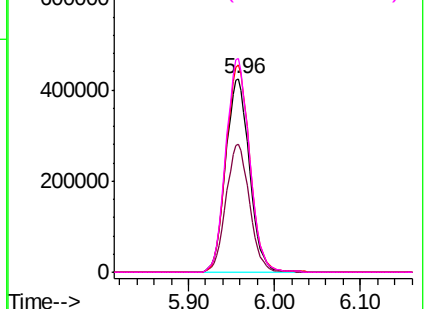


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.740 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013328.D

Acq: 24 Oct 2019 23:19

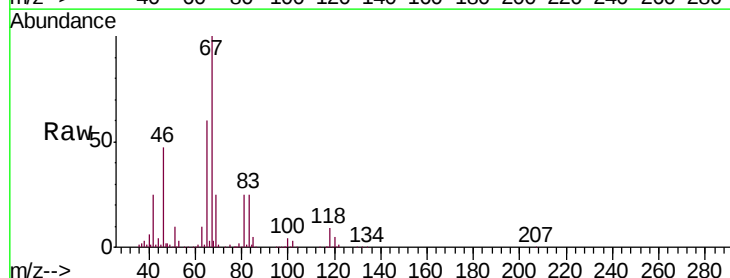
Tgt Ion: 83 Resp: 50468

Ion Ratio Lower Upper

83 100

55 0.8 62.4 93.6#

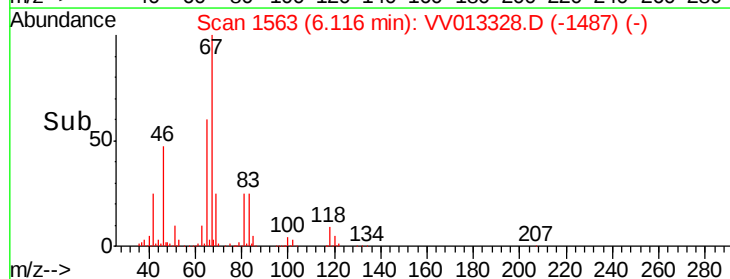
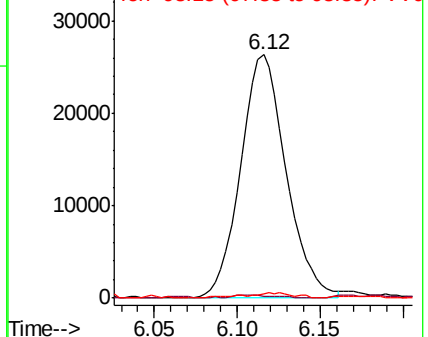
98 1.7 39.2 58.8#

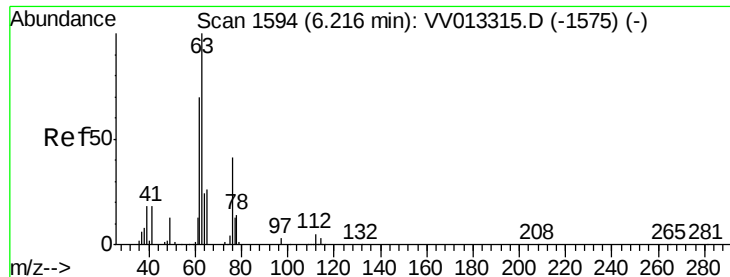


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.557 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013328.D

Acq: 24 Oct 2019 23:19

Instrument :

MSVOA_V

ClientSampleId :

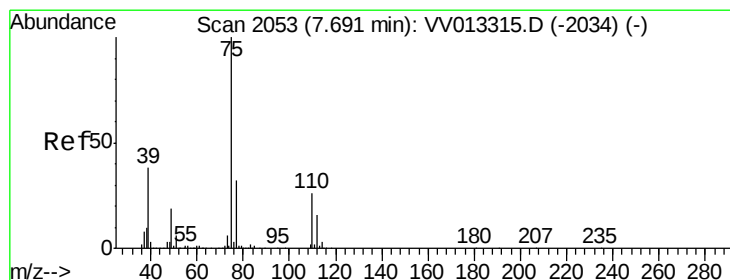
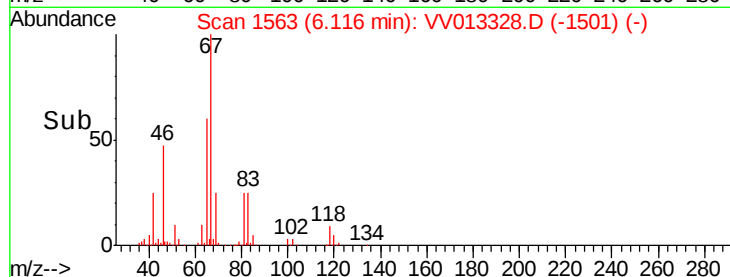
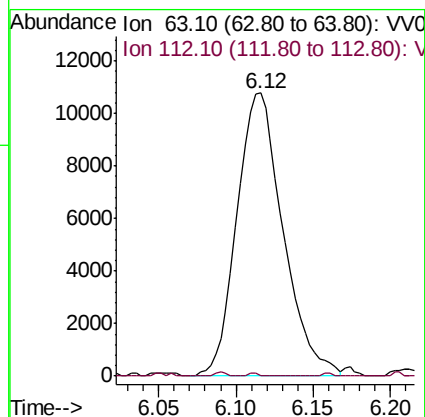
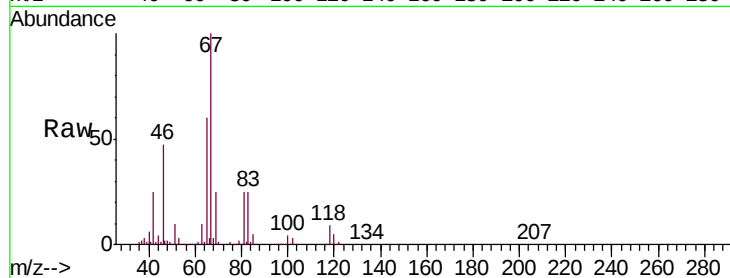
H0G10

Tgt Ion: 63 Resp: 22379

Ion Ratio Lower Upper

63 100

112 0.2 4.1 6.1#



#44

trans-1,3-Dichloropropene

Concen: 0.060 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013328.D

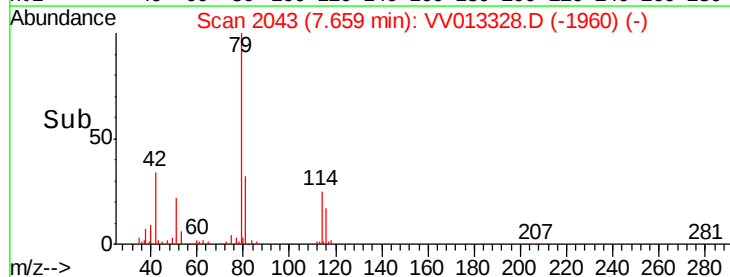
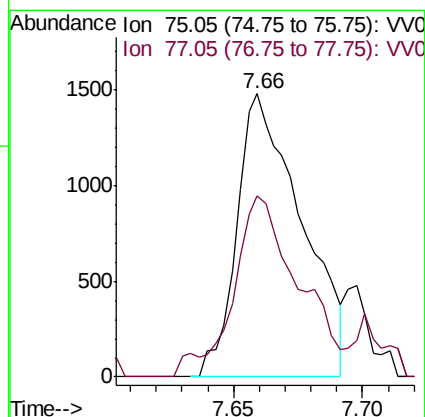
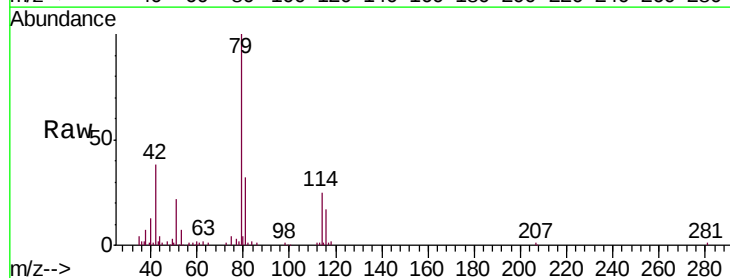
Acq: 24 Oct 2019 23:19

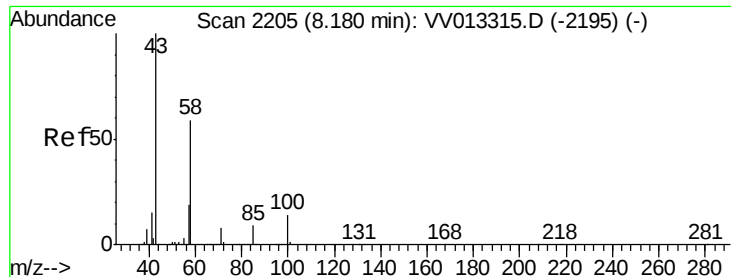
Tgt Ion: 75 Resp: 2585

Ion Ratio Lower Upper

75 100

77 64.1 21.8 40.6#





#48

2-Hexanone

Concen: 1.113 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013328.D

Acq: 24 Oct 2019 23:19

Instrument :
MSVOA_V
ClientSampleId :
H0G10

Tgt Ion:	43	Resp:	16305
Ion	Ratio	Lower	Upper
43	100		
58	38.5	45.1	67.7#
57	0.0	15.5	23.3#
100	11.4	10.2	15.2

