

Data File : VV013332.D
Acq On : 25 Oct 2019 00:54
Operator : SY/MD
Sample : K5462-22
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G15

Quant Time: Oct 25 04:48:01 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	403668	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	436026	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	232551	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	176390	5.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.60%
7) Chloroethane-d5	1.59	69	128306	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.13	63	186546	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.94	46	318639	55.75	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.50%
24) Chloroform-d	4.40	84	324924	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	159323	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.10	84	677501	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	207648	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	556141	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	56743	3.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.60%
46) 2-Hexanone-d5	8.13	63	183859	32.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	139915	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	237668	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

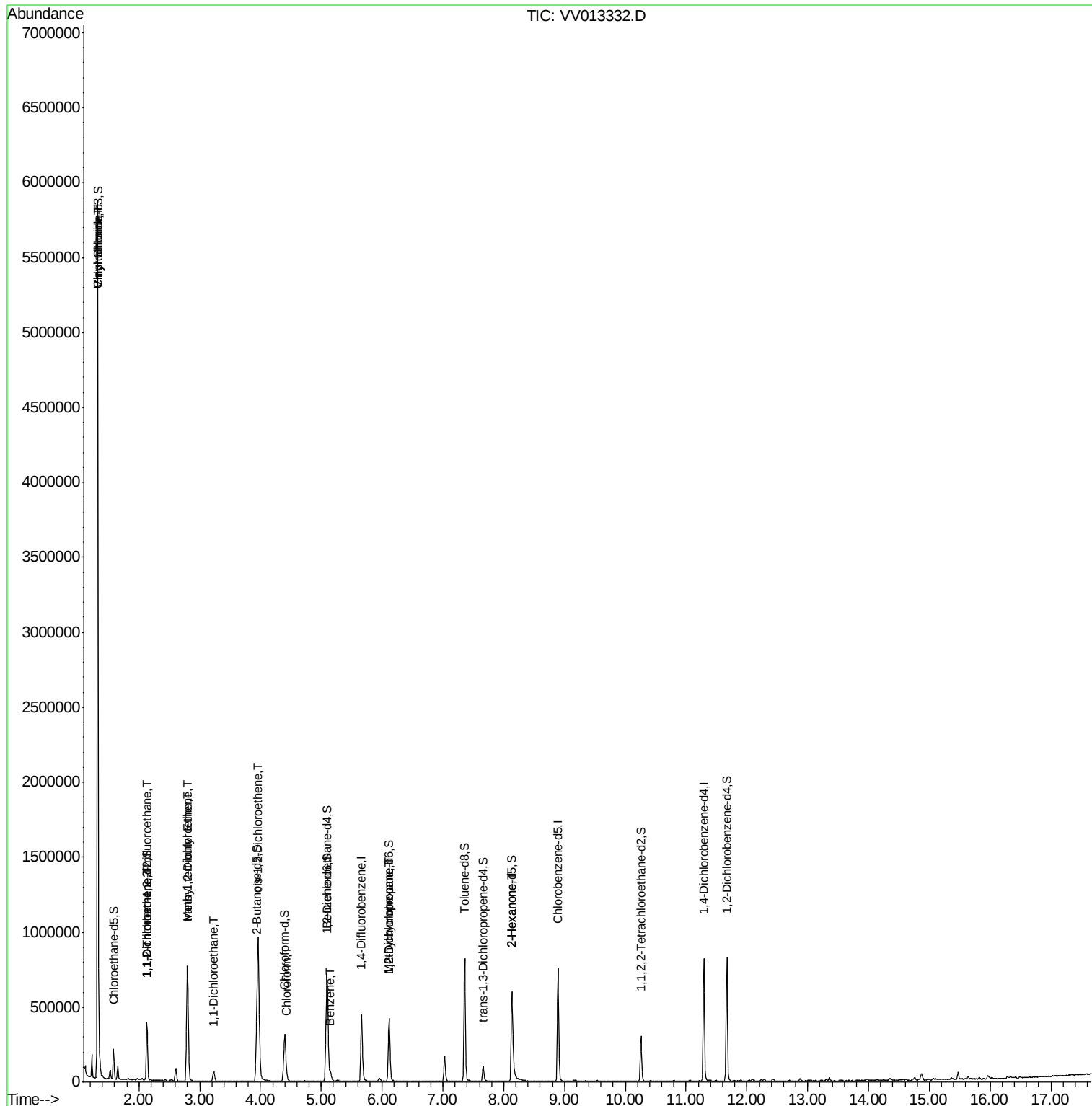
						Qvalue
5) Vinyl chloride	1.32	62	3553781	91.224	ug/L	100
8) Chloroethane	1.32	64	1154224	49.717	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2354	0.071	ug/L #	21
12) 1,1-Dichloroethene	2.14	96	2804	0.088	ug/L #	1
17) Methyl tert-butyl Ether	2.80	73	450448	6.128	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	145972	3.901	ug/L	93
19) 1,1-Dichloroethane	3.23	63	66612	1.095	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	514941	12.859	ug/L #	90
25) Chloroform	4.43	83	17818	0.225	ug/L	98
33) Benzene	5.15	78	66255	0.398	ug/L	100
35) Methylcyclohexane	6.12	83	49338	0.718	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	22421	0.554	ug/L #	86
48) 2-Hexanone	8.14	43	30973	2.099	ug/L #	87

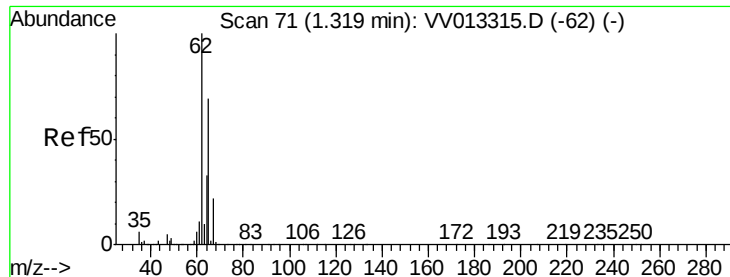
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 91.224 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013332.D

Acq: 25 Oct 2019 00:54

Instrument :

MSVOA_V

ClientSampleId :

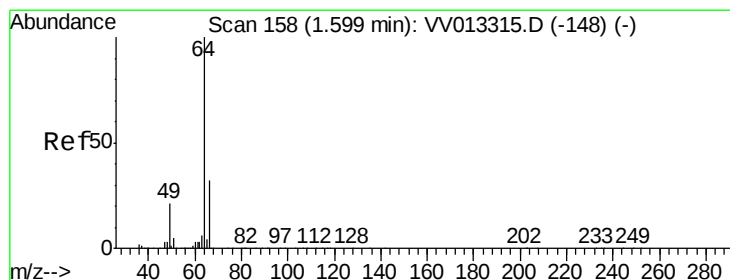
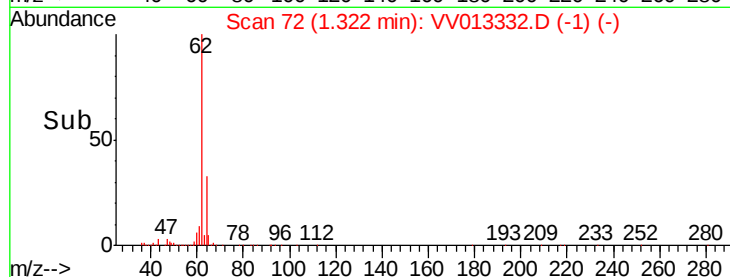
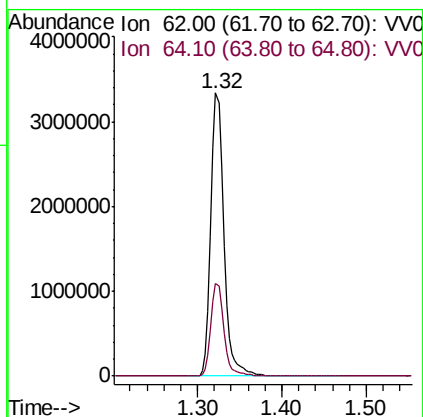
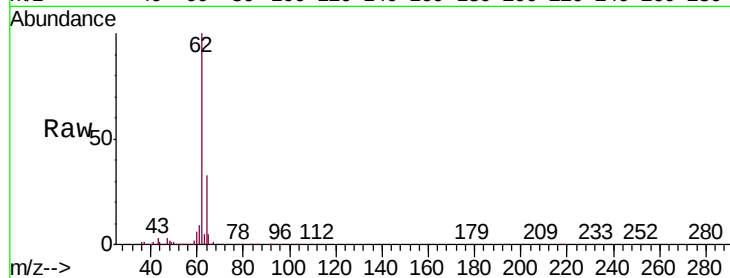
H0G15

Tgt Ion: 62 Resp: 3553781

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#8

Chloroethane

Concen: 49.717 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013332.D

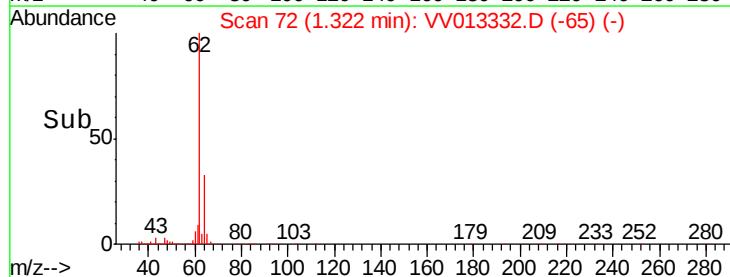
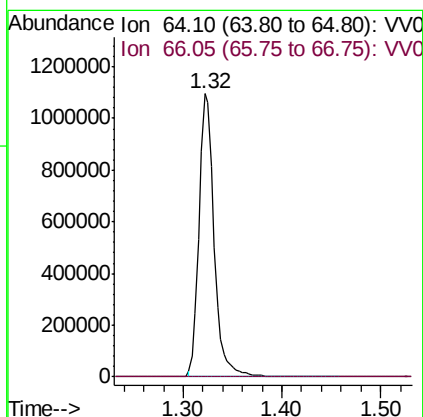
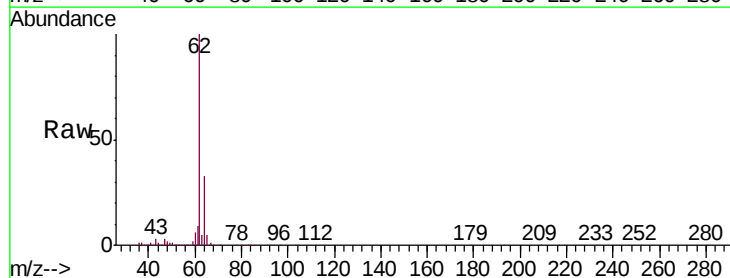
Acq: 25 Oct 2019 00:54

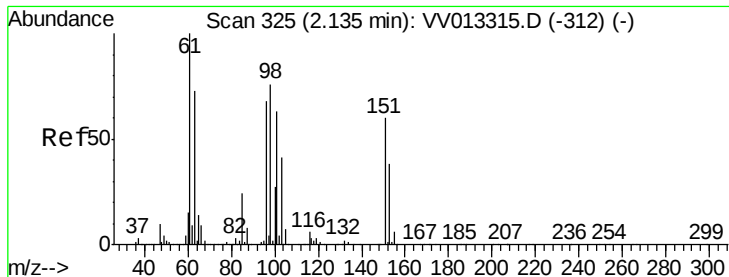
Tgt Ion: 64 Resp: 1154224

Ion Ratio Lower Upper

64 100

66 0.3 22.7 42.3#





#10

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

Concen: 0.071 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013332.D

Acq: 25 Oct 2019 00:54

Instrument :

MSVOA_V

ClientSampleId :

H0G15

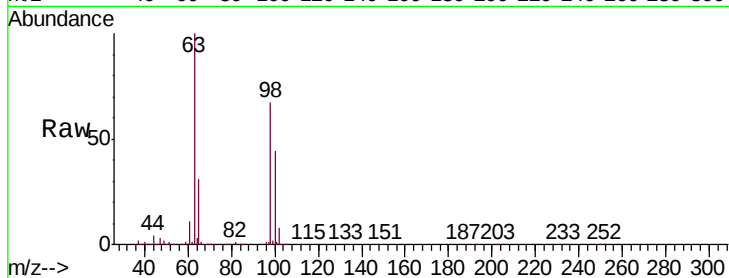
Tgt Ion:101 Resp: 2354

Ion Ratio Lower Upper

101 100

85 5.0 31.8 47.8#

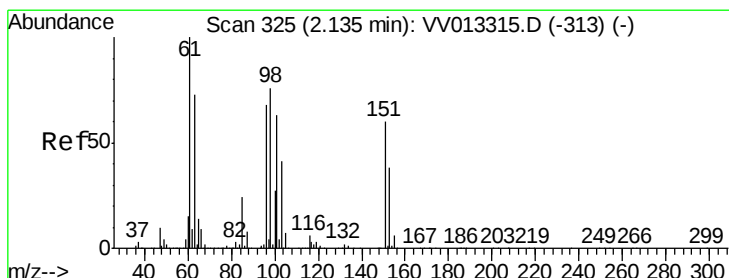
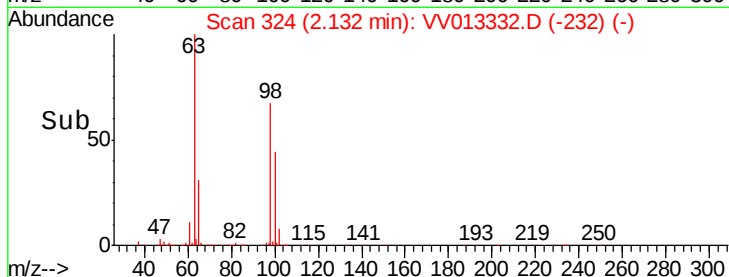
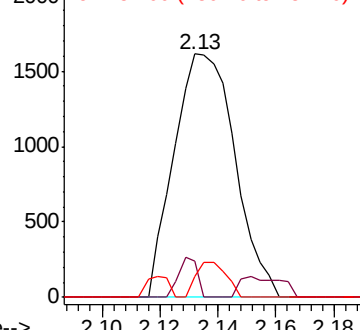
151 7.2 72.9 109.3#



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: 0.088 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013332.D

Acq: 25 Oct 2019 00:54

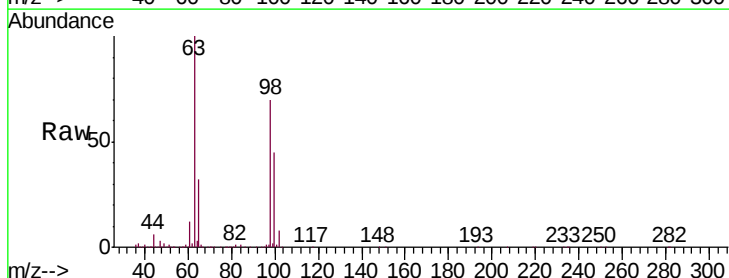
Tgt Ion: 96 Resp: 2804

Ion Ratio Lower Upper

96 100

61 811.1 104.0 193.1#

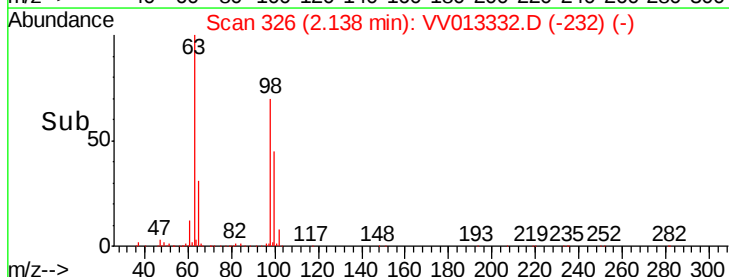
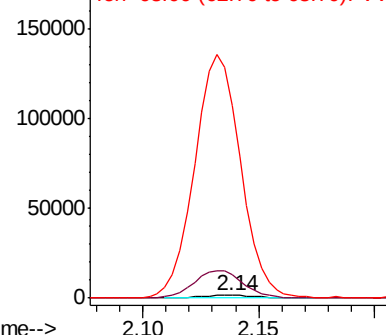
63 6676.1 67.1 124.5#

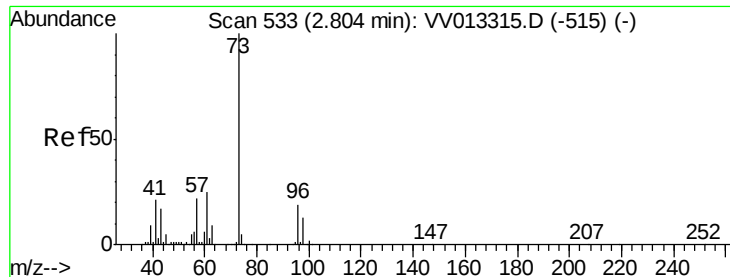


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

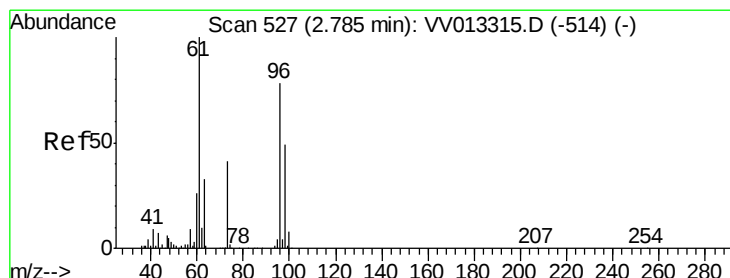
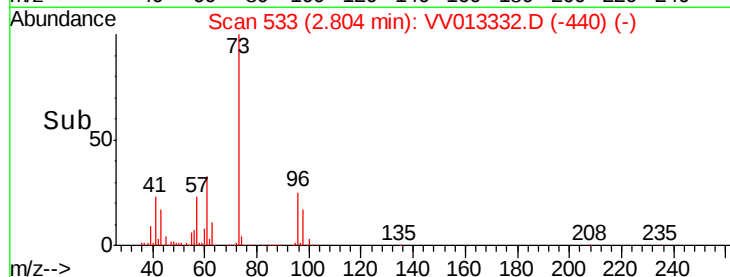
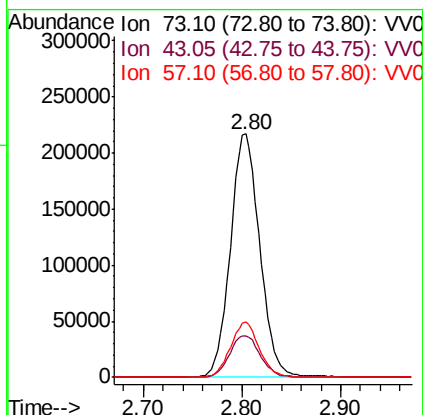
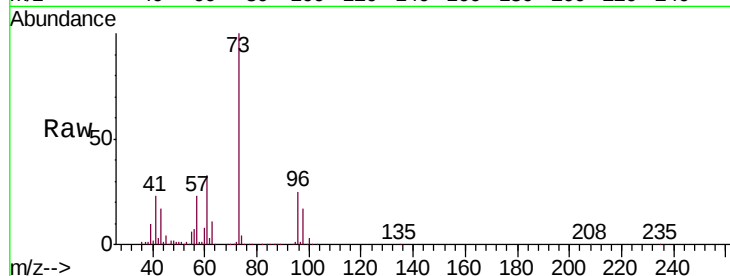




#17
Methyl tert-butyl Ether
Concen: 6.128 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013332.D
Acq: 25 Oct 2019 00:54

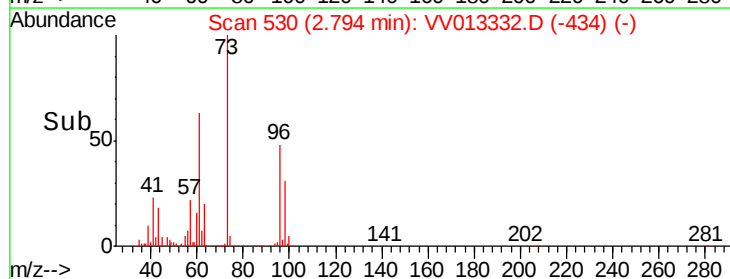
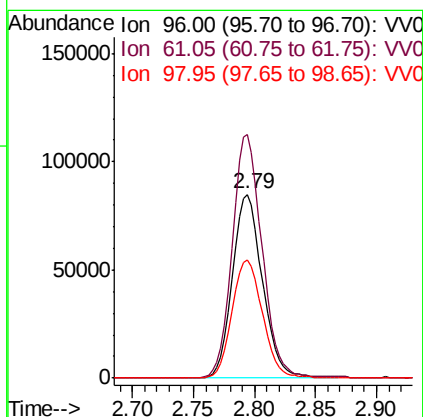
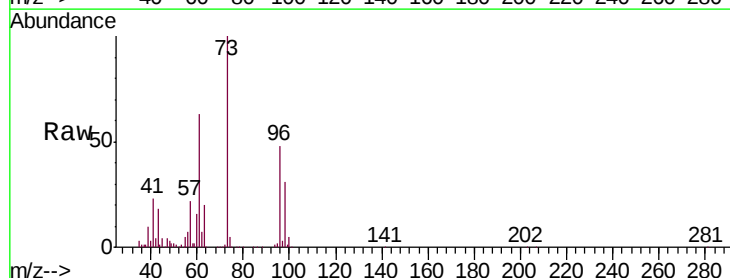
Instrument :
MSVOA_V
ClientSampleId :
H0G15

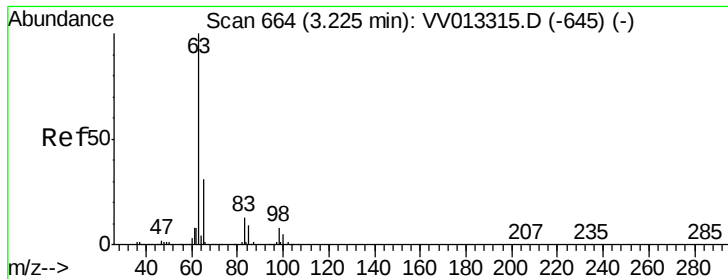
Tgt Ion: 73 Resp: 450448
Ion Ratio Lower Upper
73 100
43 17.7 13.1 19.7
57 22.4 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 3.901 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV013332.D
Acq: 25 Oct 2019 00:54

Tgt Ion: 96 Resp: 145972
Ion Ratio Lower Upper
96 100
61 132.5 84.4 156.8
98 64.1 44.4 82.4

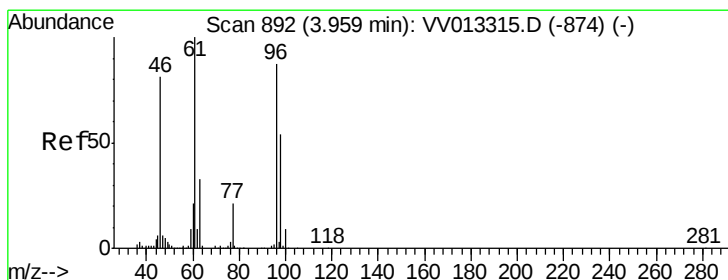
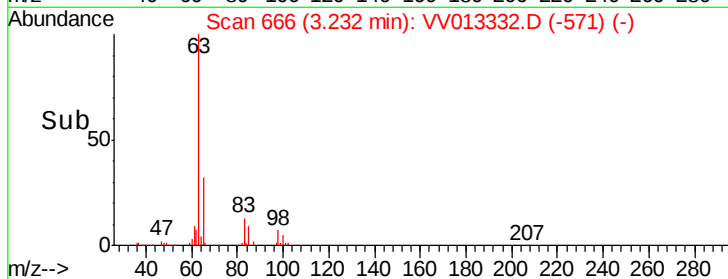
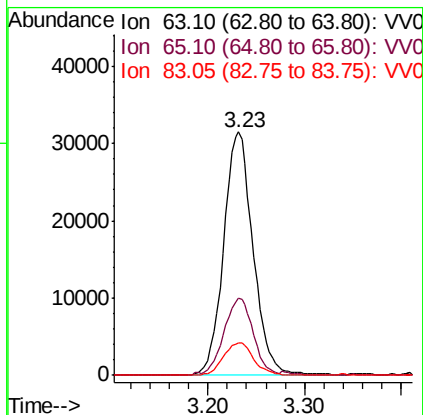
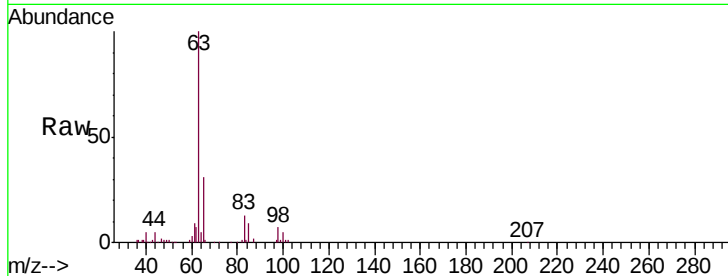




#19
 1,1-Dichloroethane
 Concen: 1.095 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV013332.D
 Acq: 25 Oct 2019 00:54

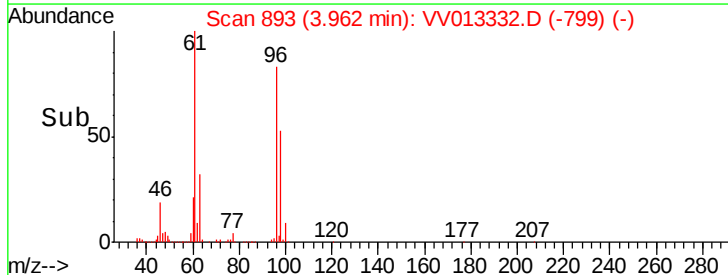
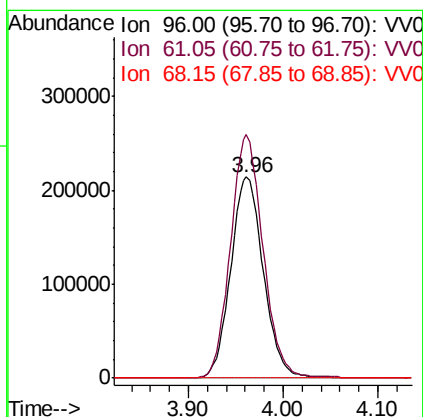
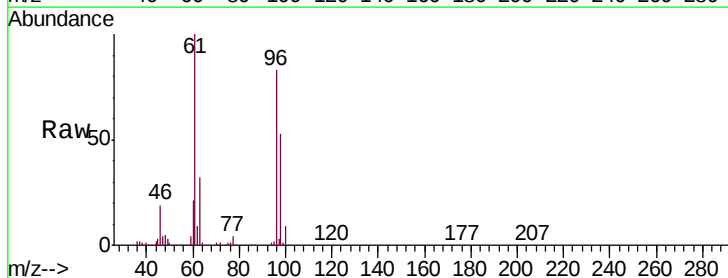
Instrument :
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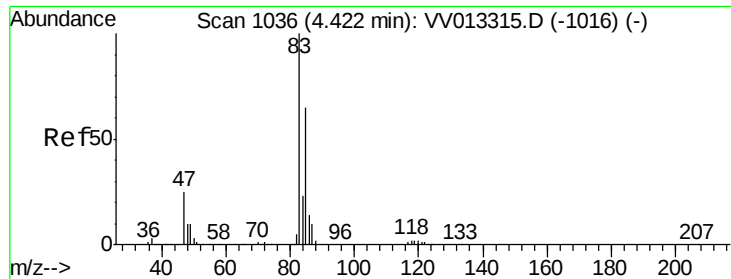
Tgt Ion: 63 Resp: 66612
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.0 42.8
 83 13.3 10.2 19.0



#22
 cis-1,2-Dichloroethene
 Concen: 12.859 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013332.D
 Acq: 25 Oct 2019 00:54

Tgt Ion: 96 Resp: 514941
 Ion Ratio Lower Upper
 96 100
 61 121.1 77.3 143.7
 68 0.0 0.1 0.1#





#25

Chloroform

Concen: 0.225 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV013332.D

Acq: 25 Oct 2019 00:54

Instrument :

MSVOA_V

ClientSampleId :

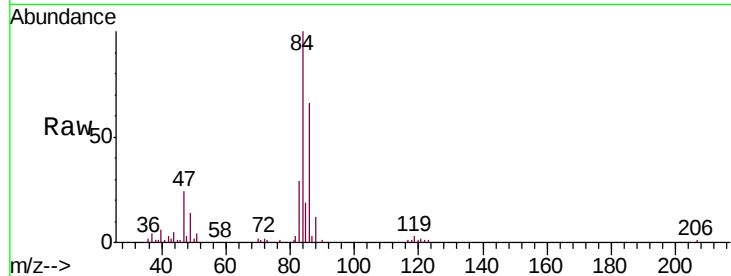
H0G15

Tgt Ion: 83 Resp: 17818

Ion Ratio Lower Upper

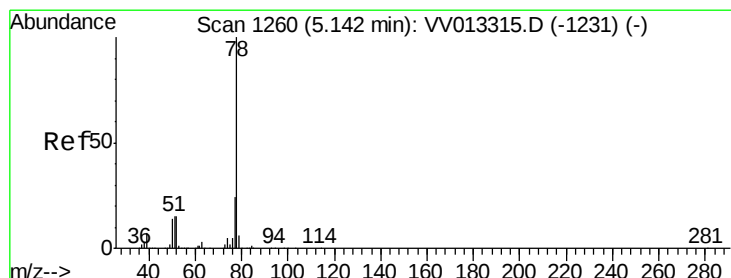
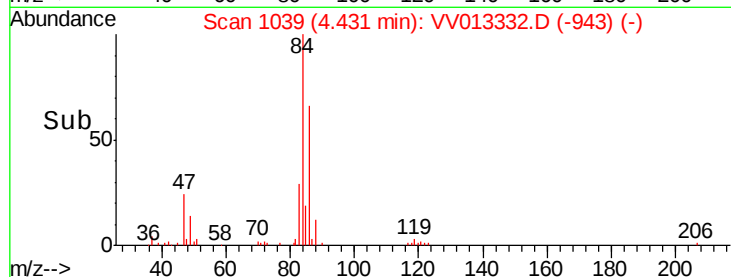
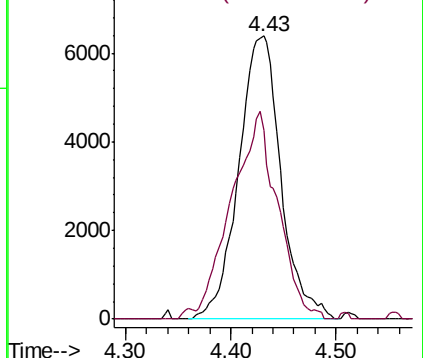
83 100

85 66.7 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#33

Benzene

Concen: 0.398 ug/L

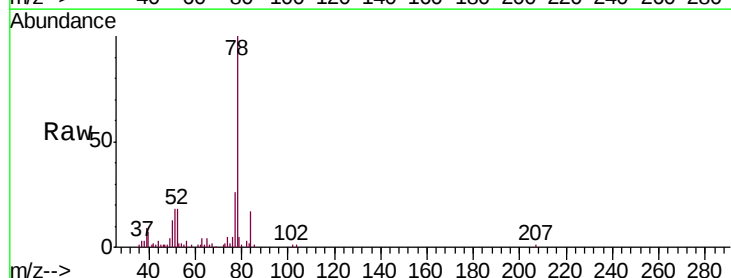
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

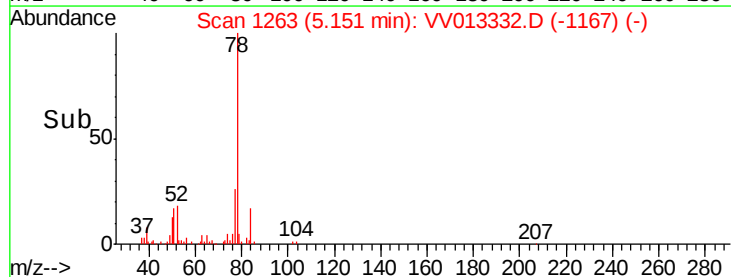
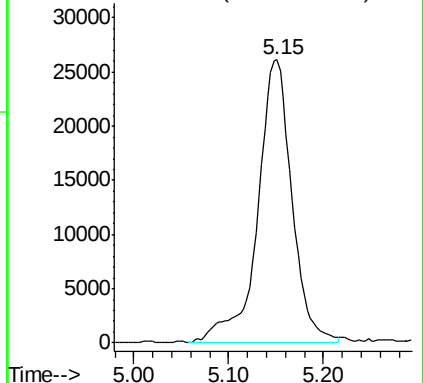
Lab File: VV013332.D

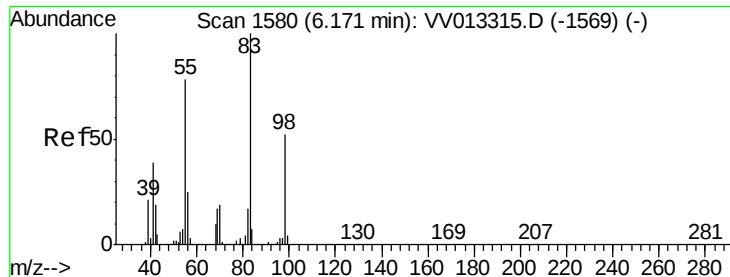
Acq: 25 Oct 2019 00:54

Tgt Ion: 78 Resp: 66255



Abundance Ion 78.10 (77.80 to 78.80): VV0

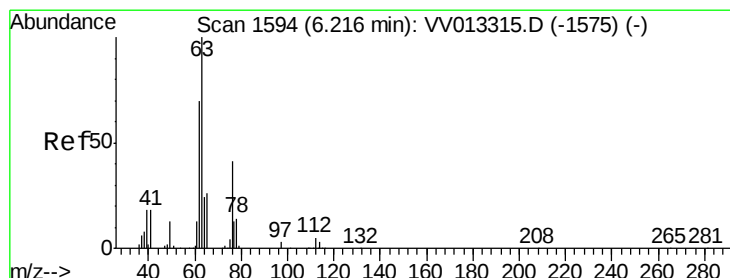
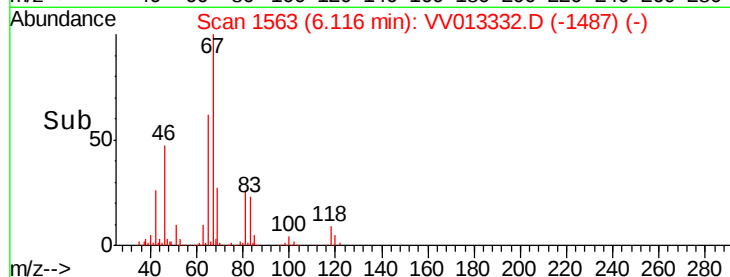
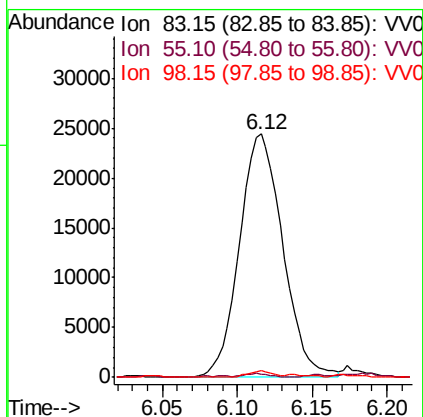
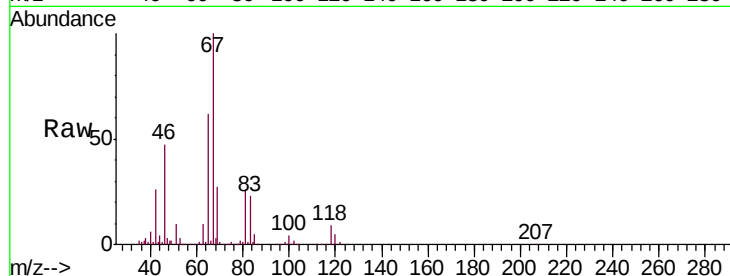




#35
Methylcyclohexane
Concen: 0.718 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013332.D
Acq: 25 Oct 2019 00:54

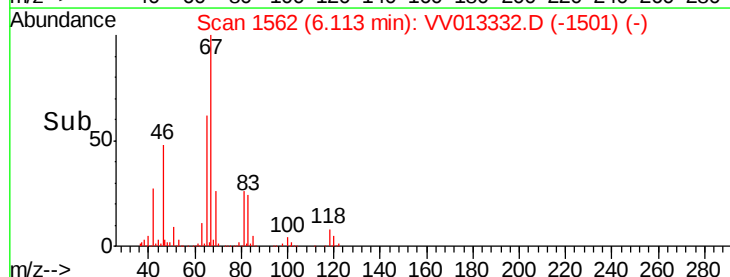
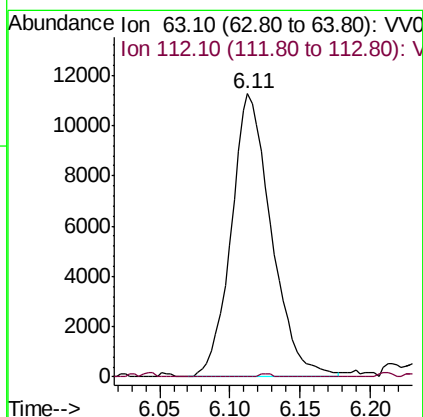
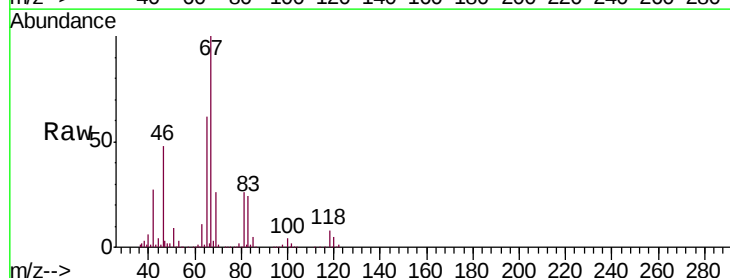
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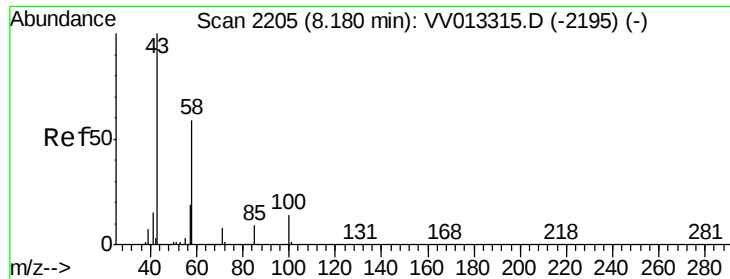
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.9	62.4	93.6#
98	1.5	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.554 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013332.D
Acq: 25 Oct 2019 00:54

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	4.1	6.1#





#48

2-Hexanone

Concen: 2.099 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.04 min

Lab File: VV013332.D

Acq: 25 Oct 2019 00:54

Instrument :
MSVOA_V
ClientSampleId :
H0G15

Tgt Ion: 43 Resp: 30973

Ion Ratio Lower Upper

43 100

58 57.8 45.1 67.7

57 37.8 15.5 23.3#

100 3.8 10.2 15.2#

