

Data File : VV013352.D
Acq On : 25 Oct 2019 17:44
Operator : SY/MD
Sample : K5462-19
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G17

Quant Time: Oct 26 01:02:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	400469	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	433704	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	230163	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	186410	6.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	126.20%
7) Chloroethane-d5	1.58	69	143930	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.13	63	226928	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	3.94	46	375569	66.24	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.48%#
24) Chloroform-d	4.40	84	348620	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	166486	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	752606	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.11	67	223076	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.36	98	649453	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.66	79	74833	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.13	63	226306	39.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	143015	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	260977	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	145062	3.753	ug/L	97
8) Chloroethane	1.32	64	48095	2.088	ug/L #	57
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2318	0.070	ug/L #	24
12) 1,1-Dichloroethene	2.14	96	5156	0.164	ug/L #	1
17) Methyl tert-butyl Ether	2.80	73	2533046	34.737	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	177588	4.784	ug/L	92
19) 1,1-Dichloroethane	3.23	63	73545	1.219	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1675062	42.163	ug/L #	92
25) Chloroform	4.42	83	19583	0.249	ug/L	95
33) Benzene	5.14	78	34858	0.210	ug/L	100
34) Trichloroethene	5.96	95	747647	16.825	ug/L	96
35) Methylcyclohexane	6.12	83	53108	0.777	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	22846	0.568	ug/L #	87
48) 2-Hexanone	8.18	43	19862	1.353	ug/L #	79

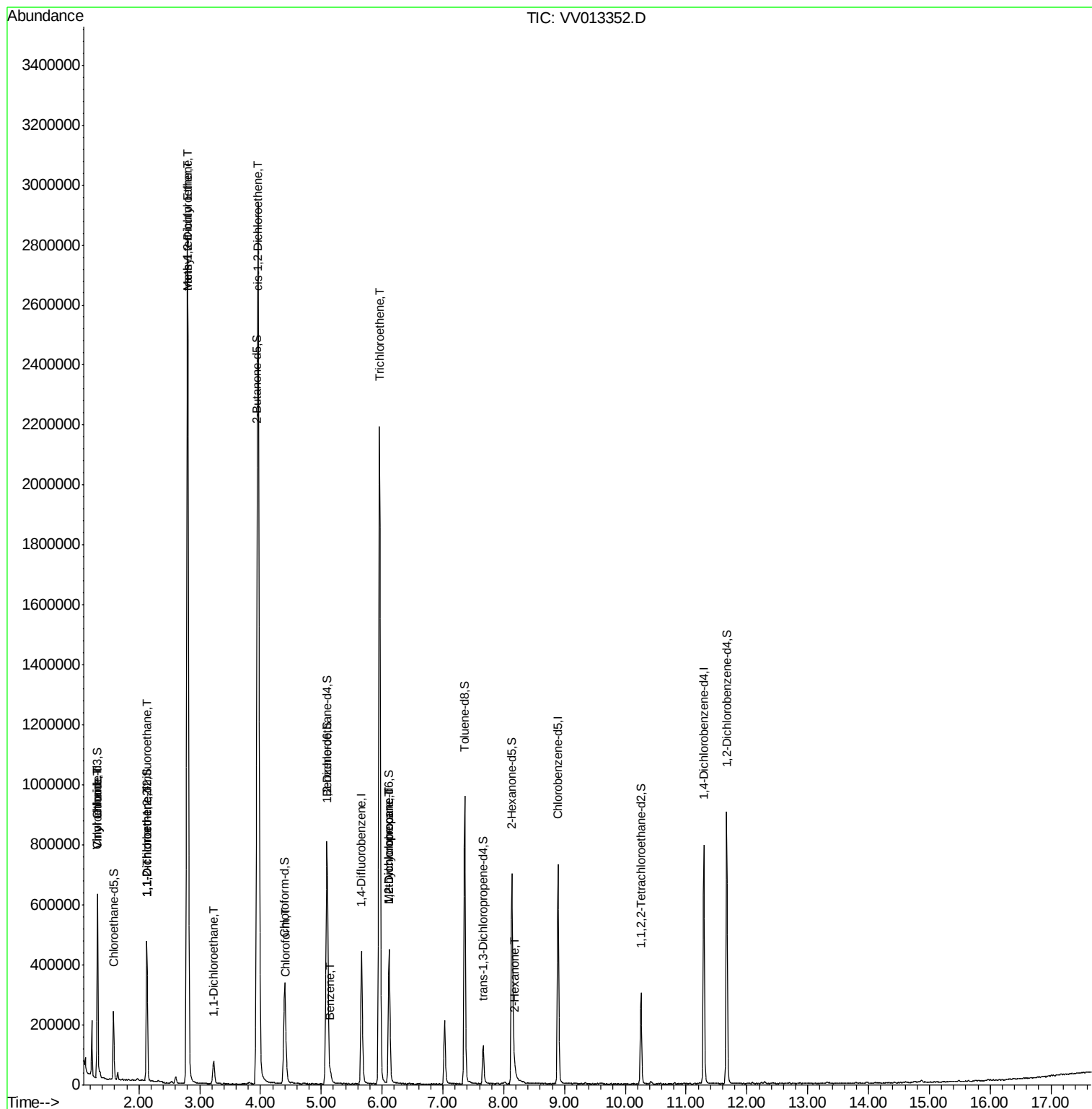
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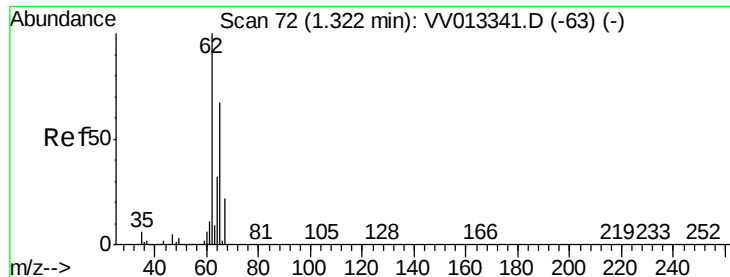
Data File : VV013352.D

```
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#5

Vinyl chloride

Concen: 3.753 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013352.D

Acq: 25 Oct 2019 17:44

Instrument :

MSVOA_V

ClientSampleId :

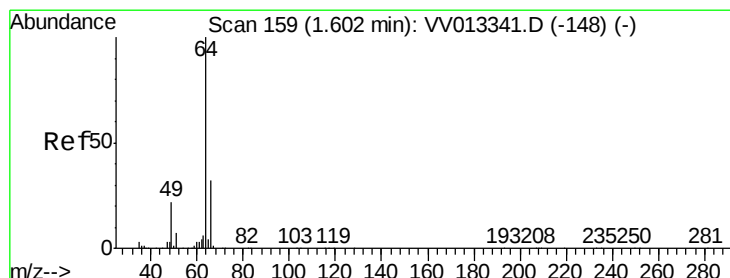
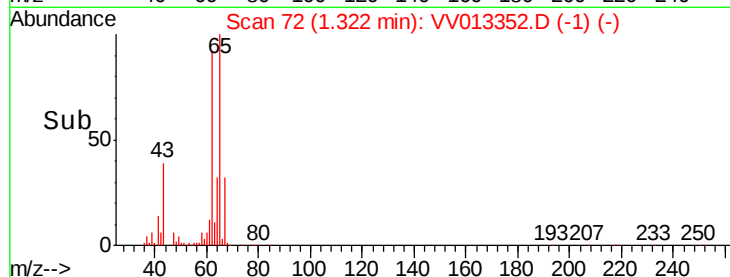
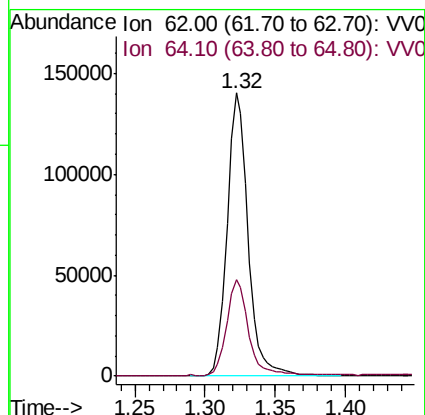
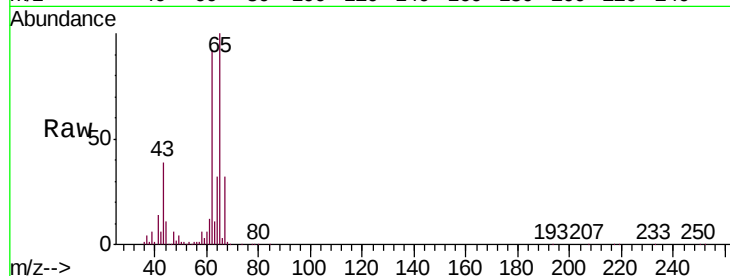
H0G17

Tgt Ion: 62 Resp: 145062

Ion Ratio Lower Upper

62 100

64 34.2 22.9 42.5



#8

Chloroethane

Concen: 2.088 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013352.D

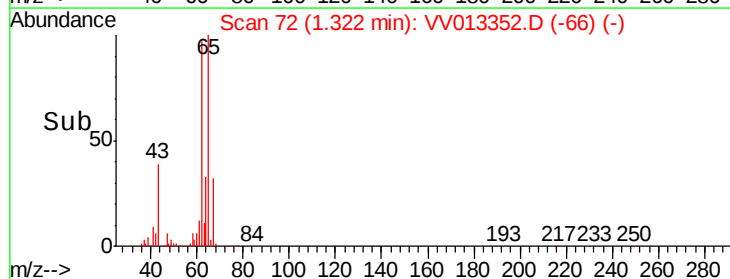
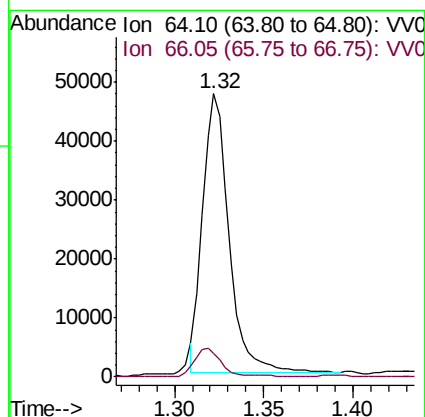
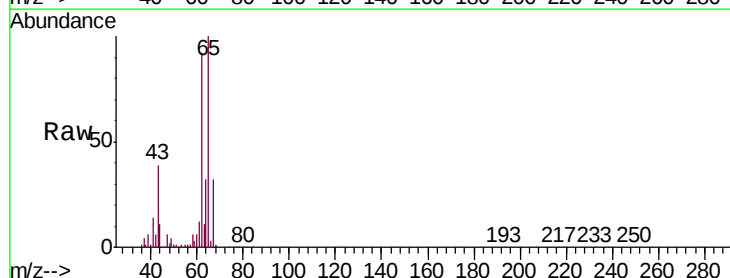
Acq: 25 Oct 2019 17:44

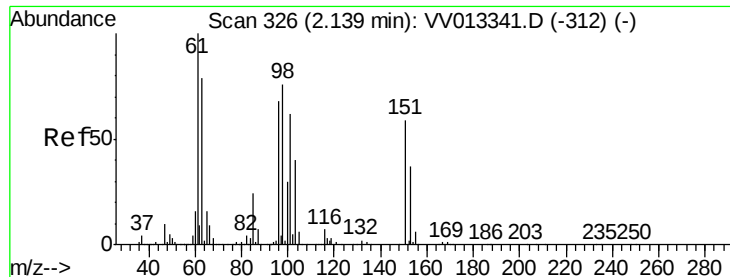
Tgt Ion: 64 Resp: 48095

Ion Ratio Lower Upper

64 100

66 8.5 22.7 42.3#





#10

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

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013352.D

Acq: 25 Oct 2019 17:44

Instrument :

MSVOA_V

ClientSampleId :

H0G17

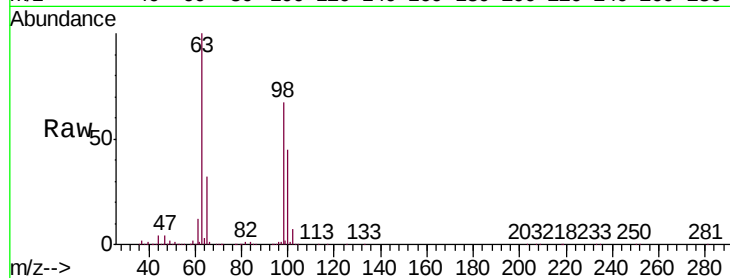
Tgt Ion: 101 Resp: 2318

Ion Ratio Lower Upper

101 100

85 13.5 31.8 47.8#

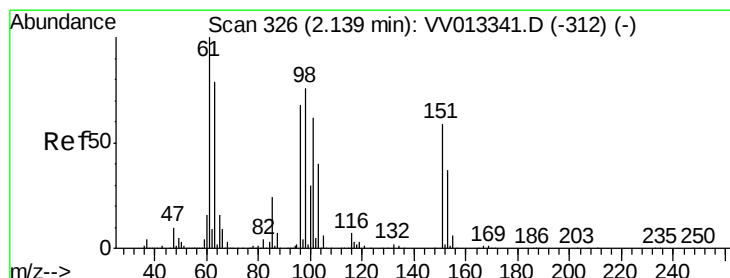
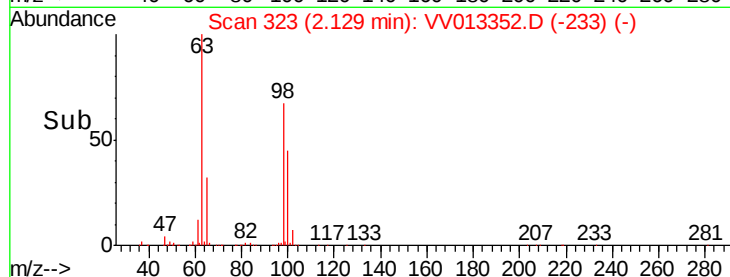
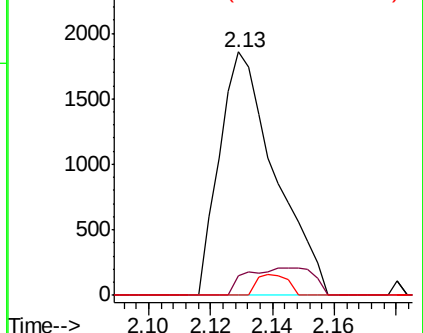
151 4.8 72.9 109.3#



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: 0.164 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013352.D

Acq: 25 Oct 2019 17:44

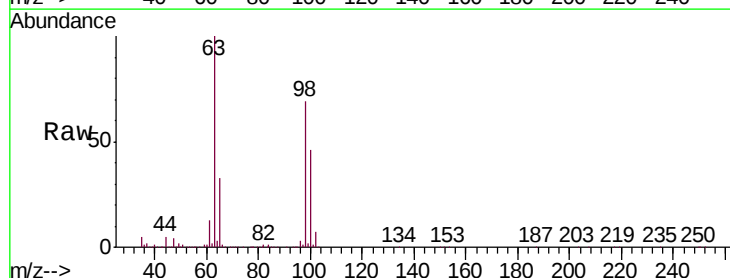
Tgt Ion: 96 Resp: 5156

Ion Ratio Lower Upper

96 100

61 465.8 104.0 193.1#

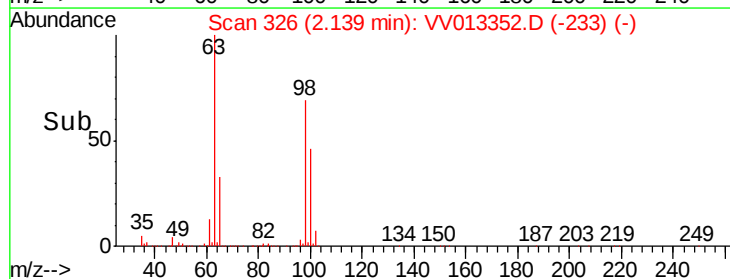
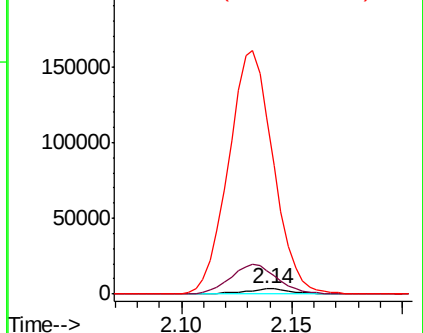
63 3460.8 67.1 124.5#

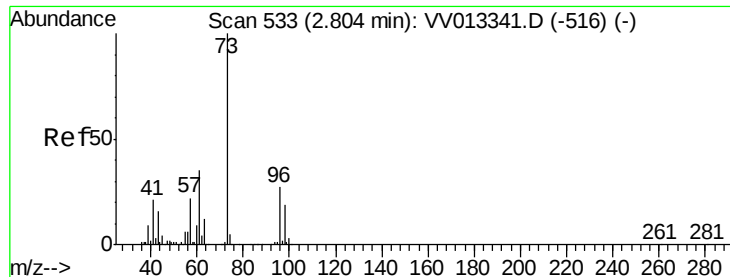


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



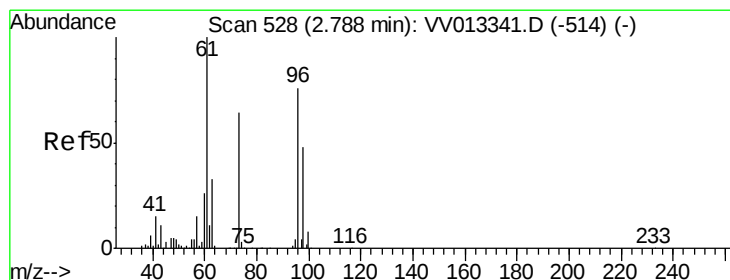
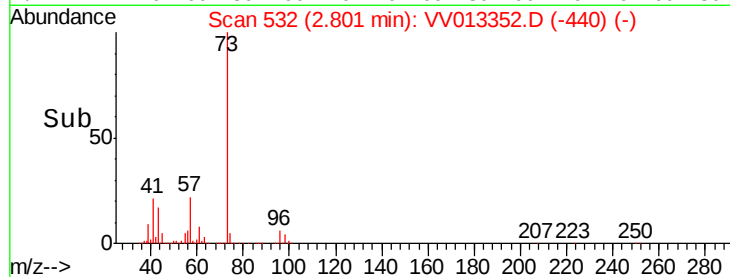
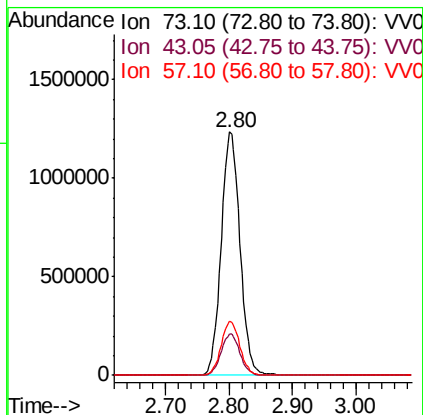
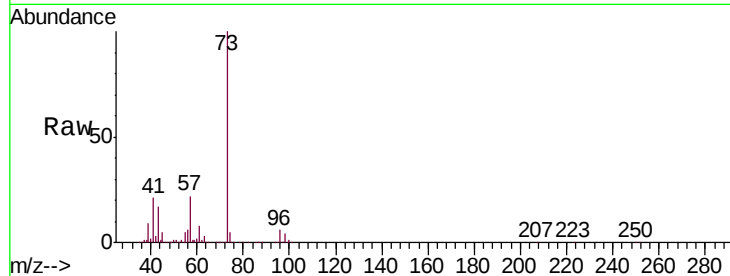


#17

Methyl tert-butyl Ether
 Concen: 34.737 ug/L
 RT: 2.80 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VV013352.D
 Acq: 25 Oct 2019 17:44

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

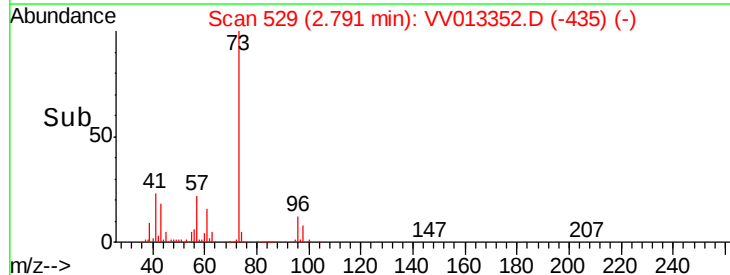
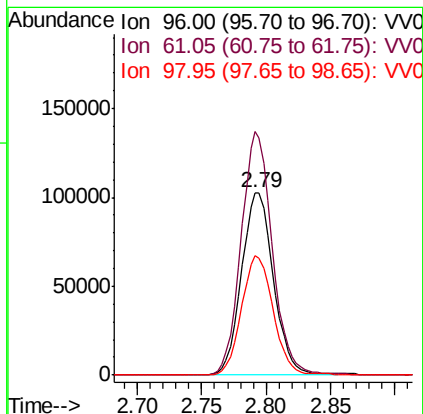
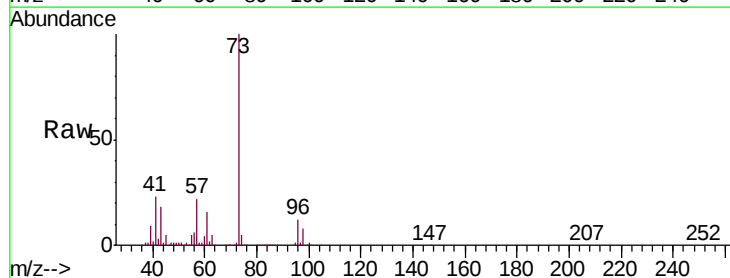
Tgt Ion: 73 Resp: 2533046
 Ion Ratio Lower Upper
 73 100
 43 17.2 13.1 19.7
 57 22.1 16.4 24.6

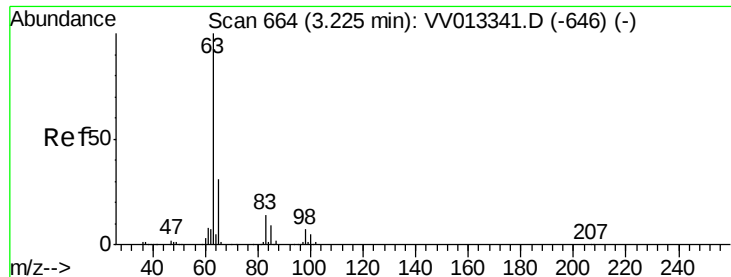


#18

trans-1,2-Dichloroethene
 Concen: 4.784 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV013352.D
 Acq: 25 Oct 2019 17:44

Tgt Ion: 96 Resp: 177588
 Ion Ratio Lower Upper
 96 100
 61 133.3 84.4 156.8
 98 65.2 44.4 82.4

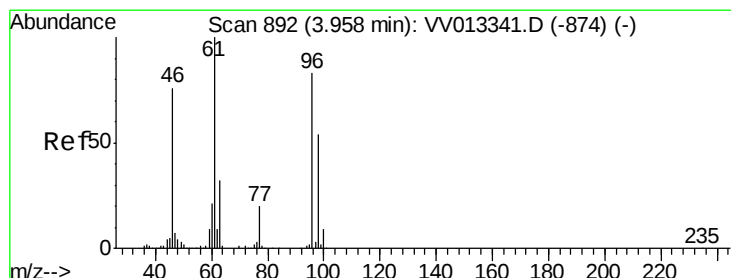
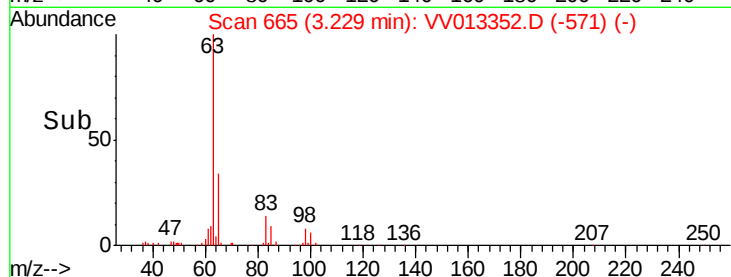
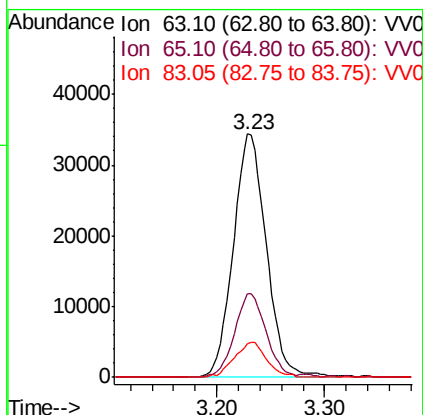
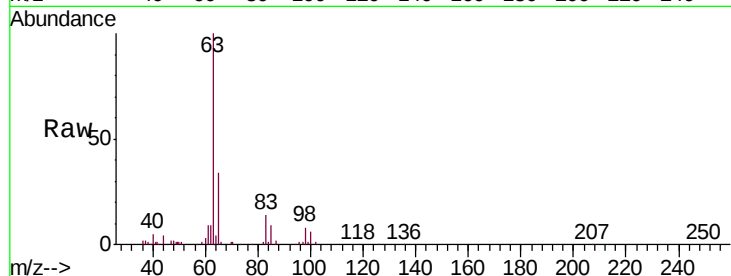




#19
 1,1-Dichloroethane
 Concen: 1.219 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013352.D
 Acq: 25 Oct 2019 17:44

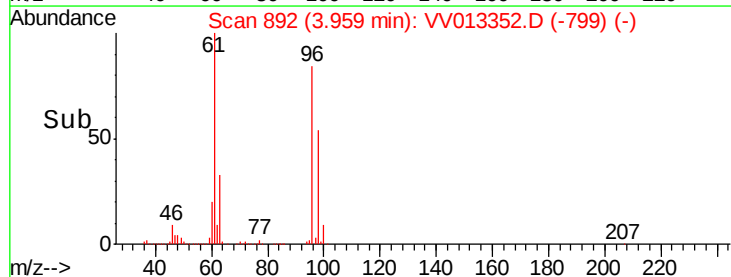
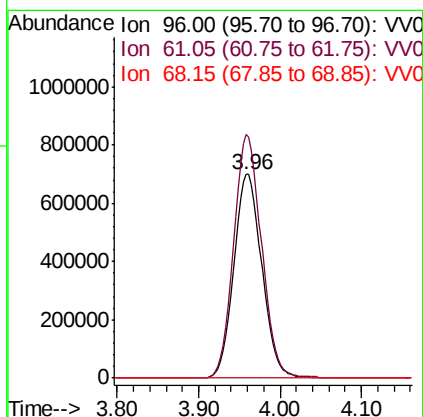
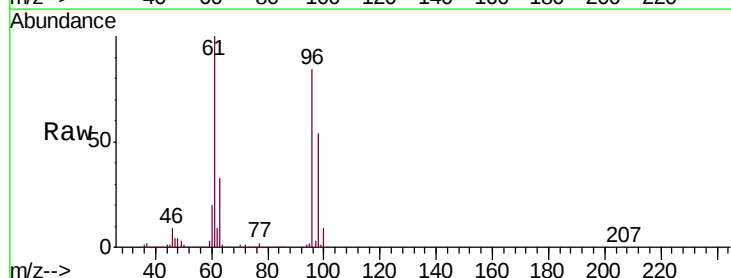
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

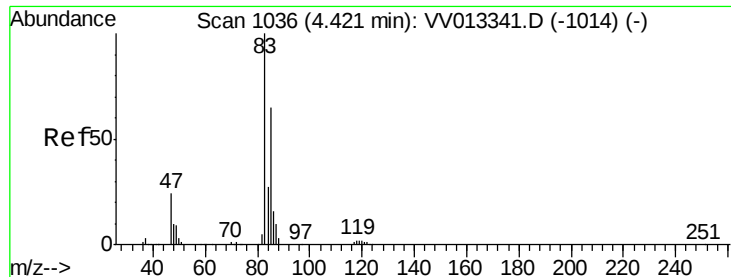
Tgt Ion: 63 Resp: 73545
 Ion Ratio Lower Upper
 63 100
 65 34.3 23.0 42.8
 83 13.7 10.2 19.0



#22
 cis-1,2-Dichloroethene
 Concen: 42.163 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013352.D
 Acq: 25 Oct 2019 17:44

Tgt Ion: 96 Resp: 1675062
 Ion Ratio Lower Upper
 96 100
 61 119.4 77.3 143.7
 68 0.0 0.1 0.1#

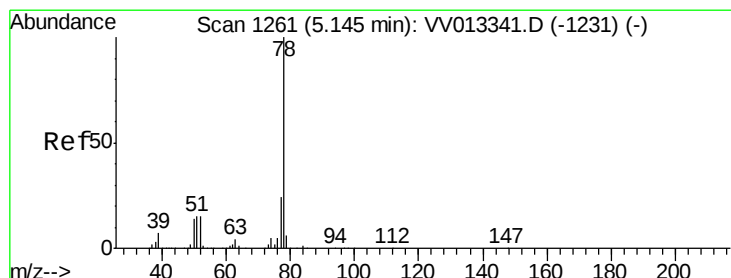
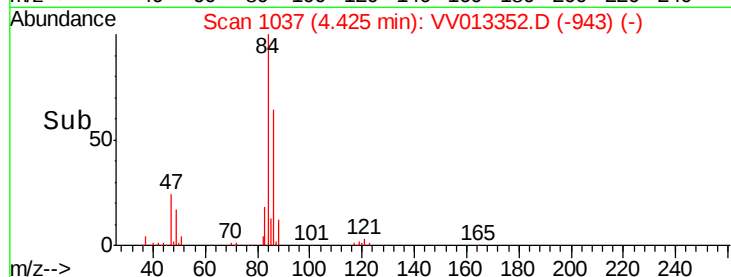
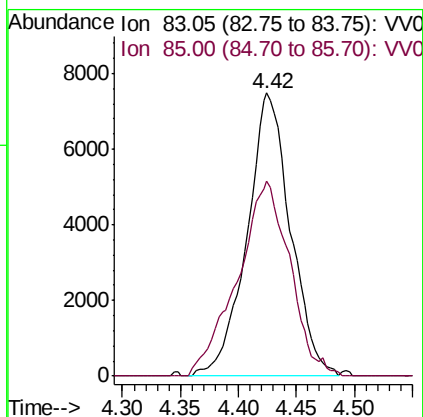
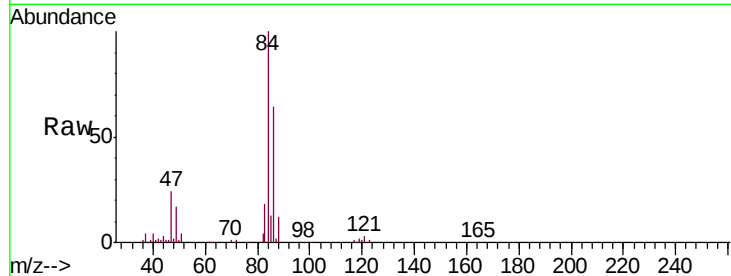




#25
Chloroform
Concen: 0.249 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013352.D
Acq: 25 Oct 2019 17:44

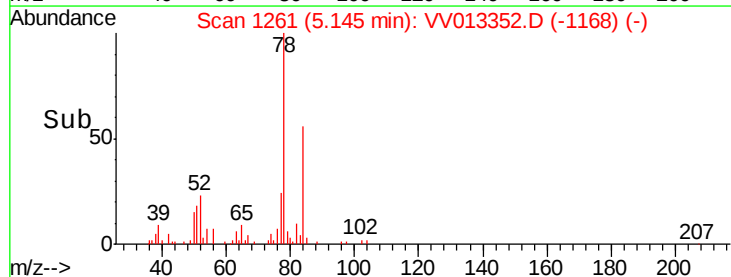
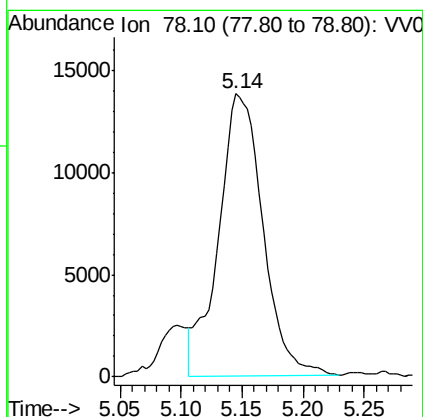
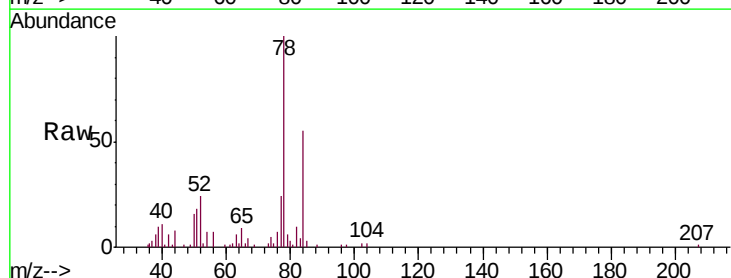
Instrument :
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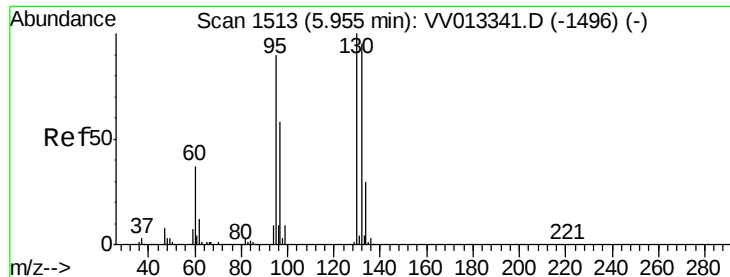
Tgt Ion: 83 Resp: 19583
Ion Ratio Lower Upper
83 100
85 69.1 45.7 84.9



#33
Benzene
Concen: 0.210 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013352.D
Acq: 25 Oct 2019 17:44

Tgt Ion: 78 Resp: 34858





#34

Trichloroethene

Concen: 16.825 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013352.D

Acq: 25 Oct 2019 17:44

Instrument :

MSVOA_V

ClientSampleId :

H0G17

Tgt Ion: 95 Resp: 747647

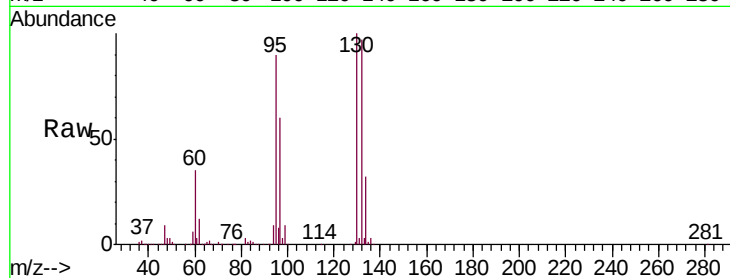
Ion Ratio Lower Upper

95 100

97 66.2 45.2 84.0

132 107.8 70.6 131.2

130 110.9 75.5 140.3

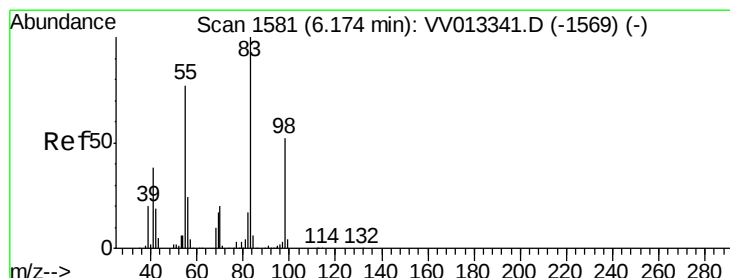
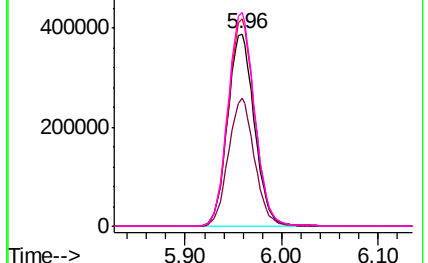
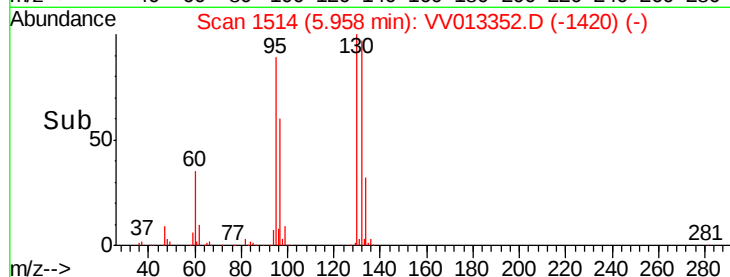


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.777 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013352.D

Acq: 25 Oct 2019 17:44

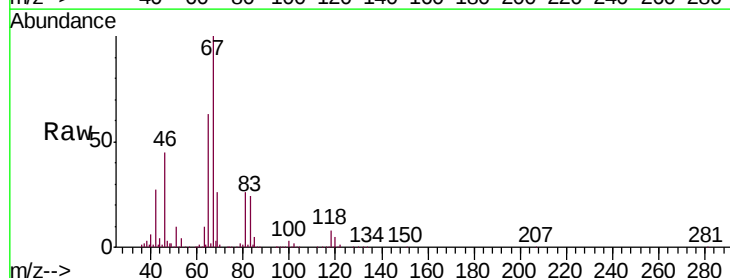
Tgt Ion: 83 Resp: 53108

Ion Ratio Lower Upper

83 100

55 0.7 62.4 93.6#

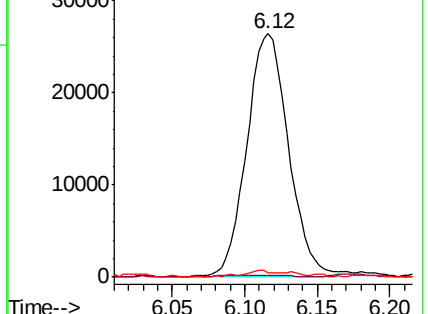
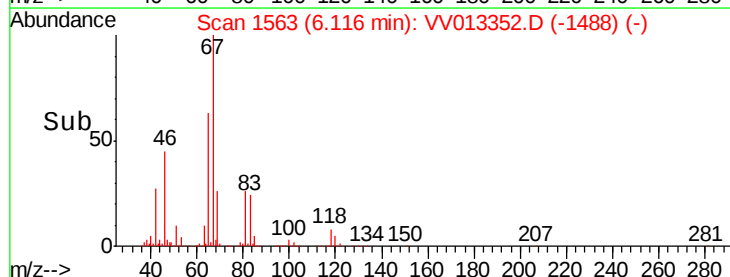
98 2.0 39.2 58.8#

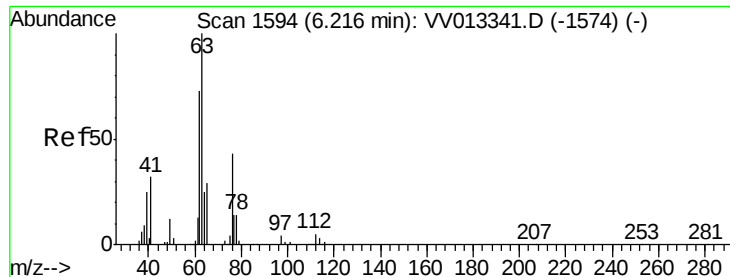


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

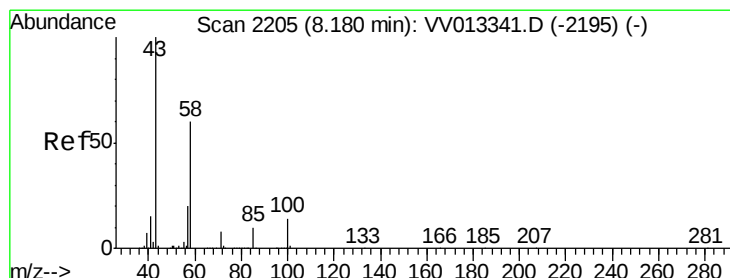
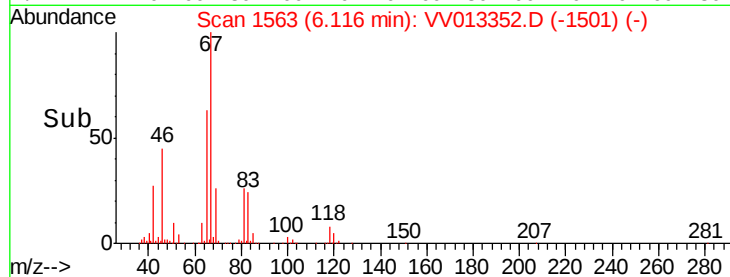
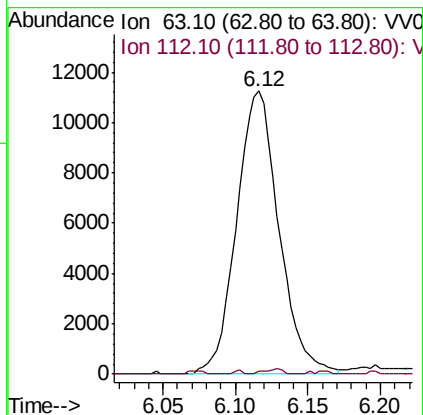
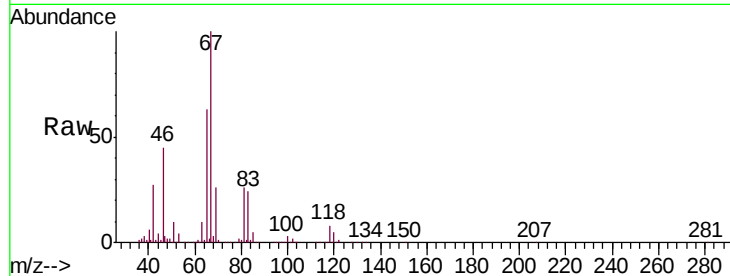




#37
 1,2-Dichloropropane
 Concen: 0.568 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013352.D
 Acq: 25 Oct 2019 17:44

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

Tgt Ion: 63 Resp: 22846
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.1 6.1#



#48
 2-Hexanone
 Concen: 1.353 ug/L
 RT: 8.18 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VV013352.D
 Acq: 25 Oct 2019 17:44

Tgt Ion: 43 Resp: 19862
 Ion Ratio Lower Upper
 43 100
 58 37.3 45.1 67.7#
 57 14.5 15.5 23.3#
 100 5.8 10.2 15.2#

