

Data File : VV013363.D
Acq On : 25 Oct 2019 22:31
Operator : SY/MD
Sample : K5462-19DL 5X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G17DL

Quant Time: Oct 26 01:04:11 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	395618	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	435521	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	228003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	170142	5.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.60%
7) Chloroethane-d5	1.58	69	140496	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.80%
11) 1,1-Dichloroethene-d2	2.13	63	204474	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	3.96	46	382486	68.28	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.56%#
24) Chloroform-d	4.40	84	343162	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.08	65	167538	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.10	84	745217	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.12	67	220074	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.36	98	630407	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.66	79	71551	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	235414	41.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	140689	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	257829	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

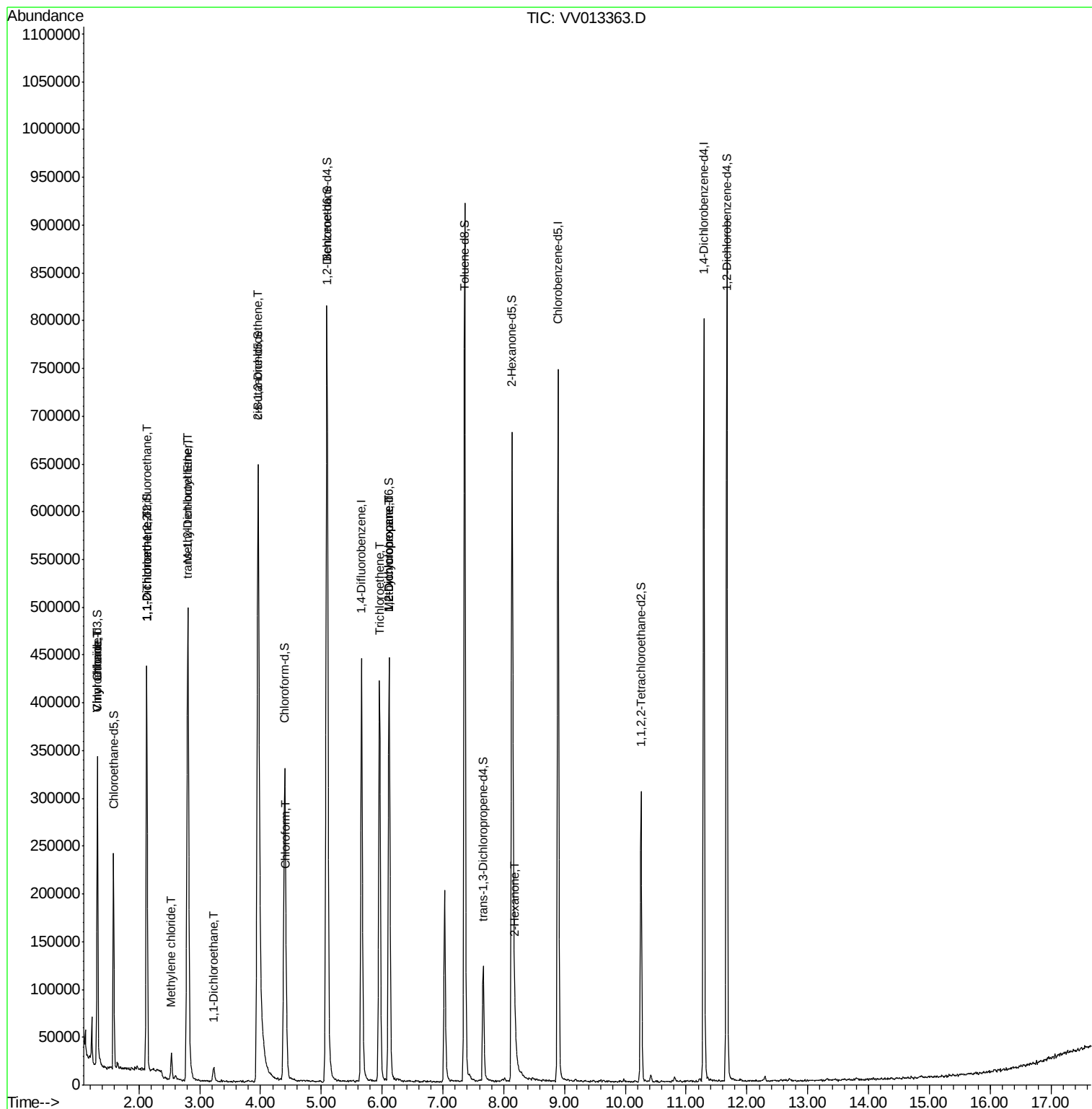
						Qvalue
5) Vinyl chloride	1.32	62	27298	0.715	ug/L	88
8) Chloroethane	1.32	64	10197	0.448	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2671	0.082	ug/L #	18
12) 1,1-Dichloroethene	2.13	96	3075	0.099	ug/L #	1
16) Methylene chloride	2.53	84	10897	0.233	ug/L	82
17) Methyl tert-butyl Ether	2.81	73	479763	6.660	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	33419	0.911	ug/L	89
19) 1,1-Dichloroethane	3.23	63	14750	0.247	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	307304	7.830	ug/L #	96
25) Chloroform	4.43	83	19511	0.251	ug/L	89
34) Trichloroethene	5.96	95	137433	3.080	ug/L	96
35) Methylcyclohexane	6.12	83	56040	0.816	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	23760	0.588	ug/L #	86
48) 2-Hexanone	8.19	43	27809	1.886	ug/L #	90

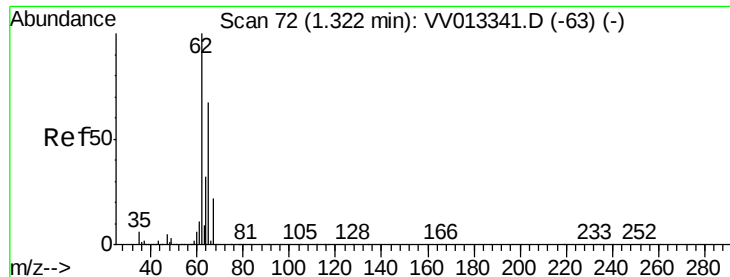
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.715 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

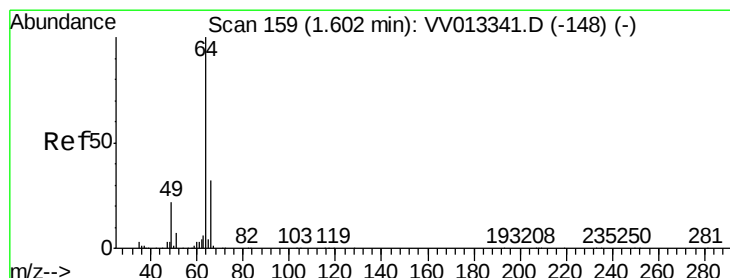
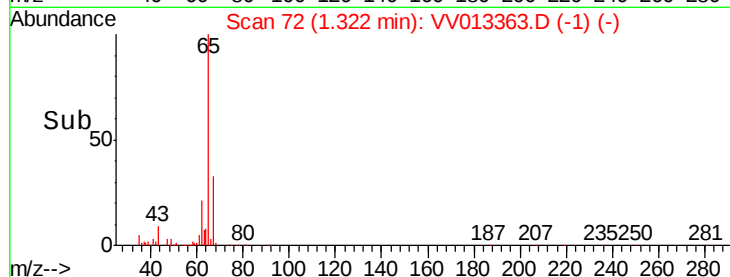
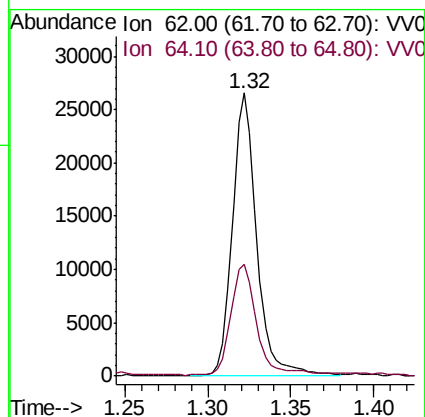
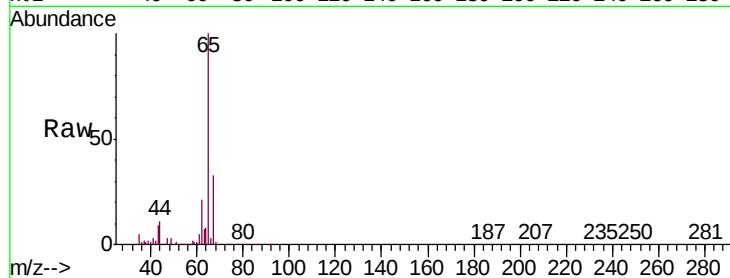
H0G17DL

Tgt Ion: 62 Resp: 27298

Ion Ratio Lower Upper

62 100

64 39.4 22.9 42.5



#8

Chloroethane

Concen: 0.448 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013363.D

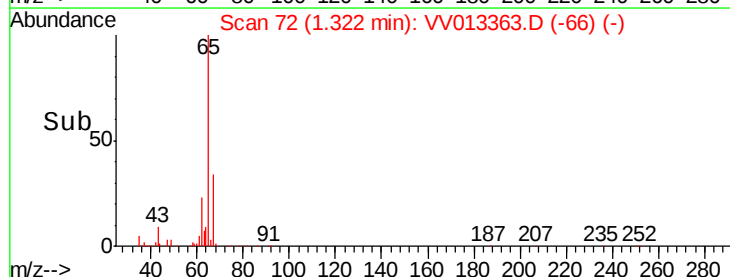
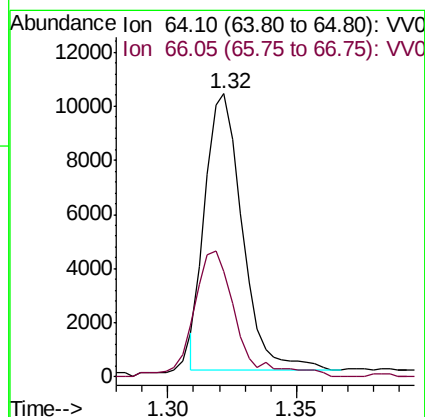
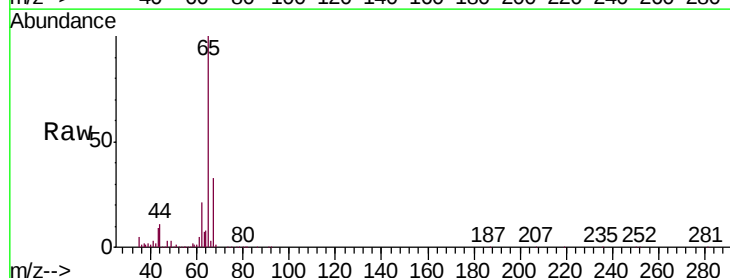
Acq: 25 Oct 2019 22:31

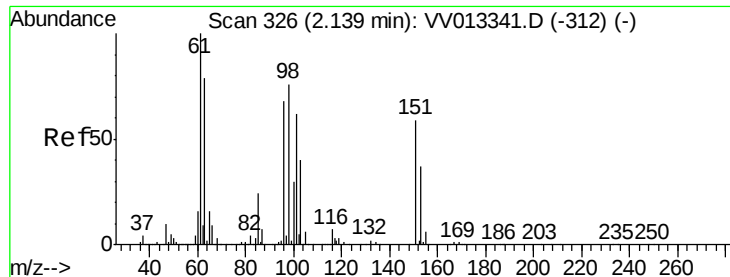
Tgt Ion: 64 Resp: 10197

Ion Ratio Lower Upper

64 100

66 37.4 22.7 42.3





#10

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

Concen: 0.082 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

H0G17DL

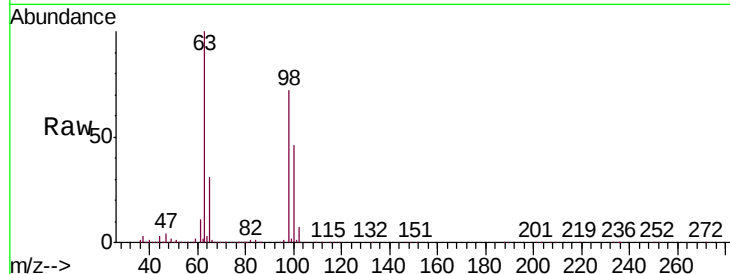
Tgt Ion: 101 Resp: 2671

Ion Ratio Lower Upper

101 100

85 3.6 31.8 47.8#

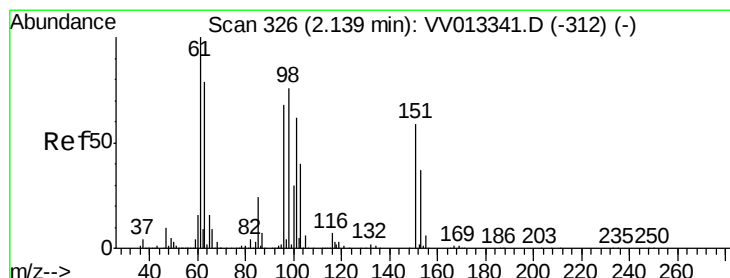
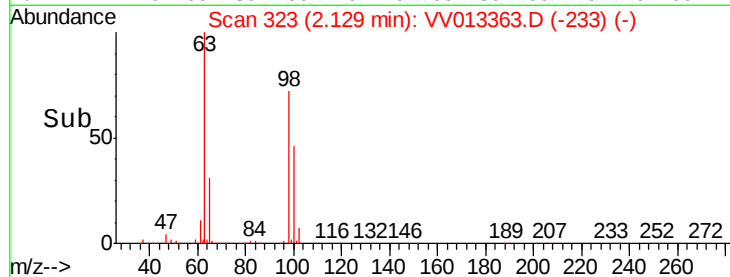
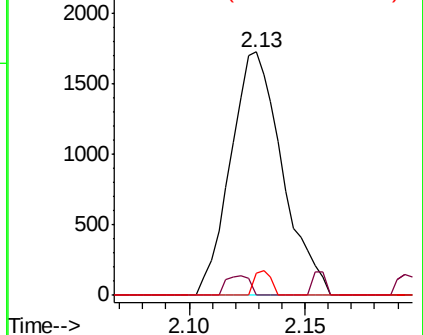
151 3.3 72.9 109.3#



Abundance Ion 101.00 (100.70 to 101.70): VV013363.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV013363.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV013363.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 0.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

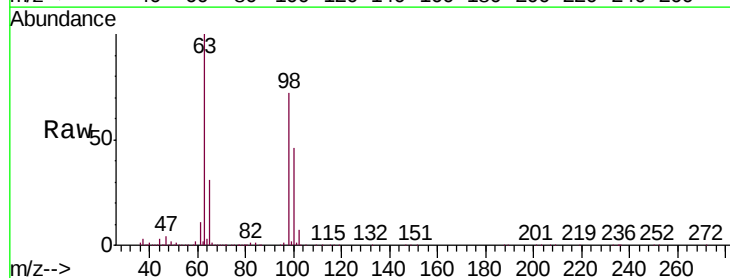
Tgt Ion: 96 Resp: 3075

Ion Ratio Lower Upper

96 100

61 819.3 104.0 193.1#

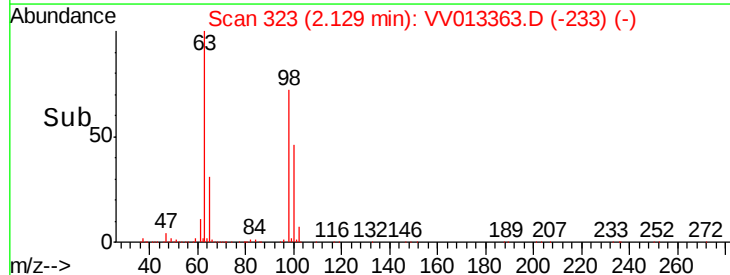
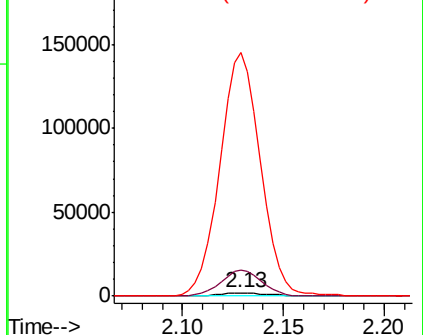
63 7661.1 67.1 124.5#

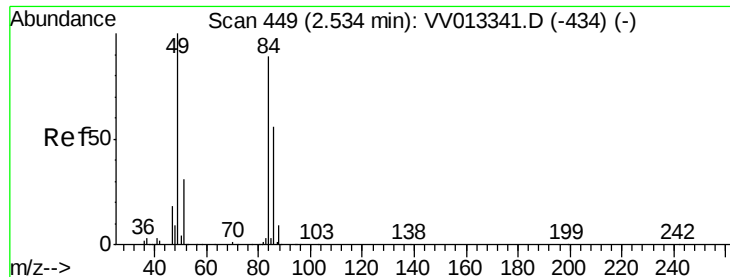


Abundance Ion 96.00 (95.70 to 96.70): VV013363.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013363.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013363.D (-233) (-)

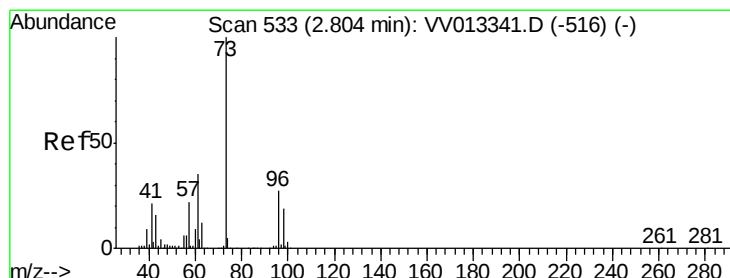
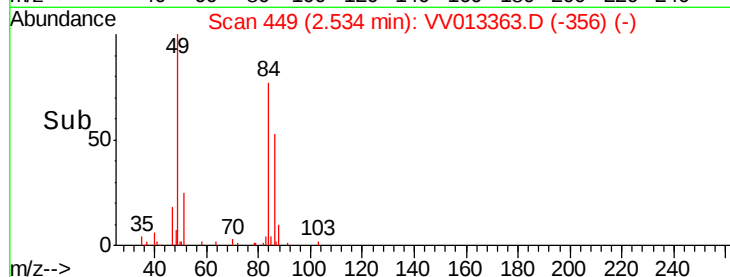
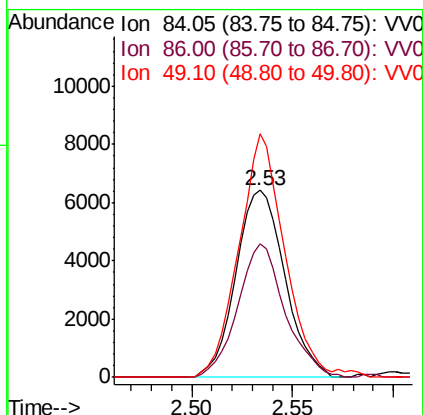
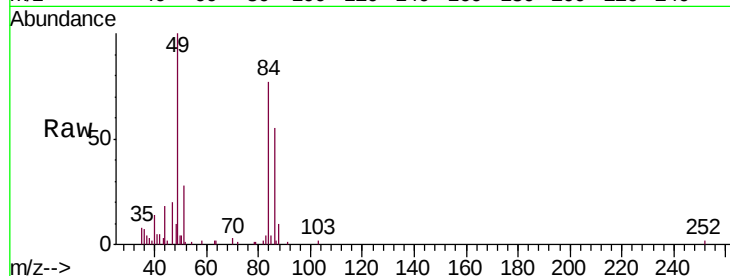




#16
Methylene chloride
Concen: 0.233 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013363.D
Acq: 25 Oct 2019 22:31

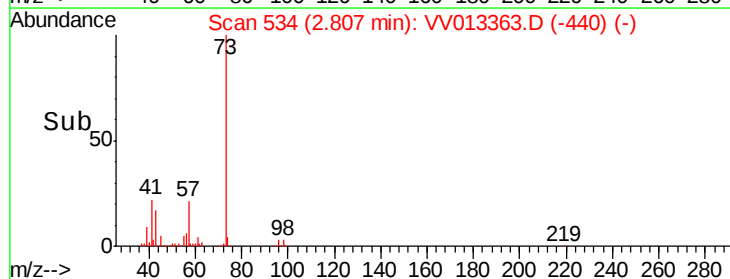
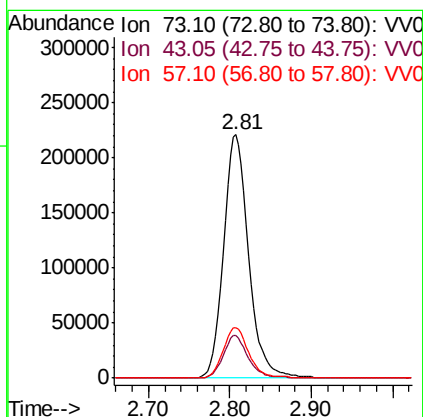
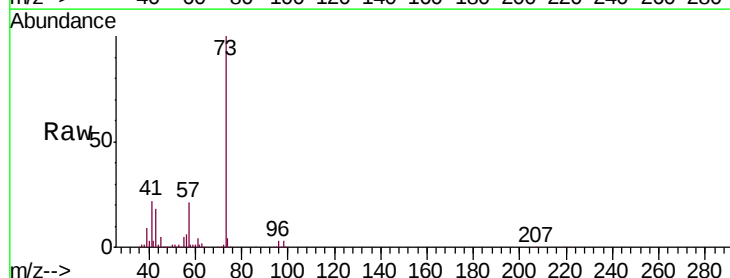
Instrument :
MSVOA_V
ClientSampled :
H0G17DL

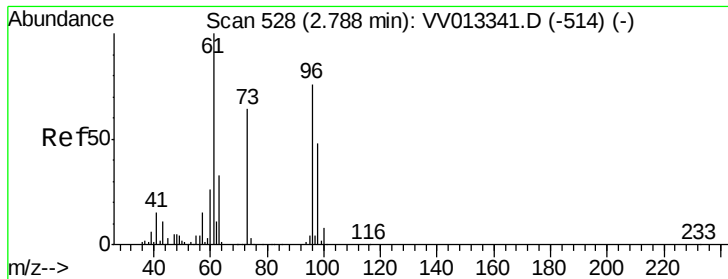
Tgt Ion: 84 Resp: 10897
Ion Ratio Lower Upper
84 100
86 71.6 46.2 85.8
49 135.2 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 6.660 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013363.D
Acq: 25 Oct 2019 22:31

Tgt Ion: 73 Resp: 479763
Ion Ratio Lower Upper
73 100
43 17.5 13.1 19.7
57 21.4 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 0.911 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

H0G17DL

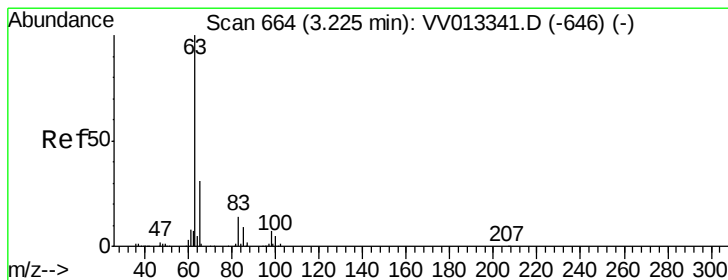
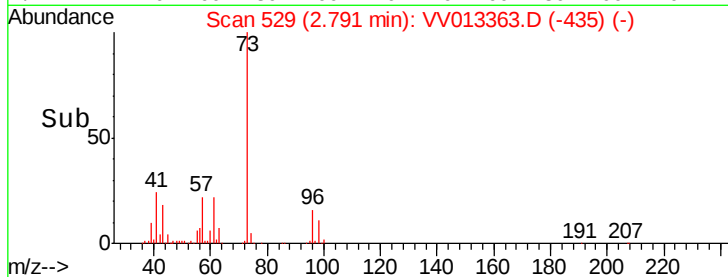
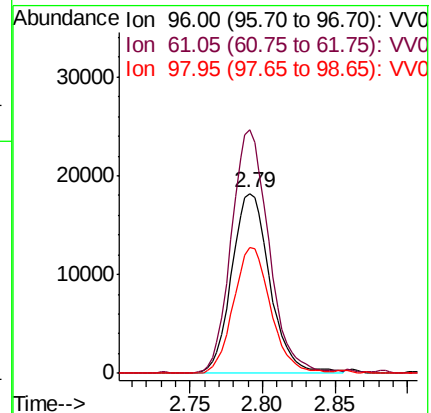
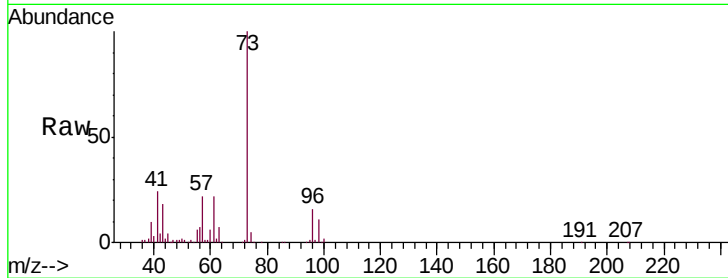
Tgt Ion: 96 Resp: 33419

Ion Ratio Lower Upper

96 100

61 135.2 84.4 156.8

98 70.0 44.4 82.4



#19

1,1-Dichloroethane

Concen: 0.247 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

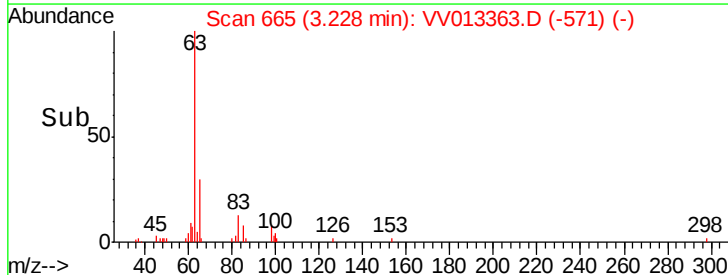
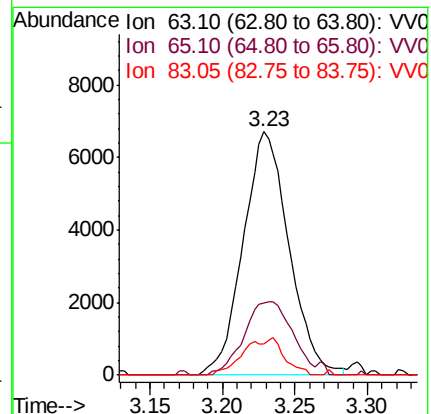
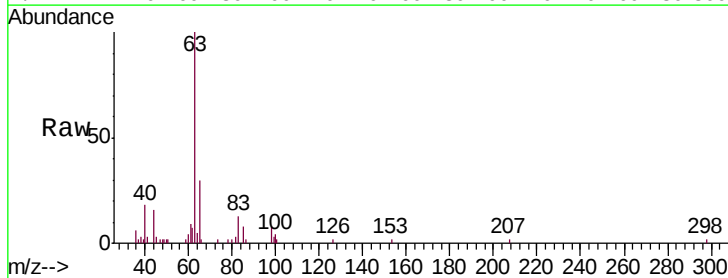
Tgt Ion: 63 Resp: 14750

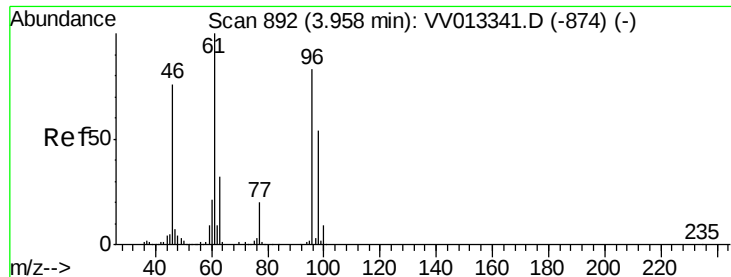
Ion Ratio Lower Upper

63 100

65 29.7 23.0 42.8

83 12.9 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 7.830 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

H0G17DL

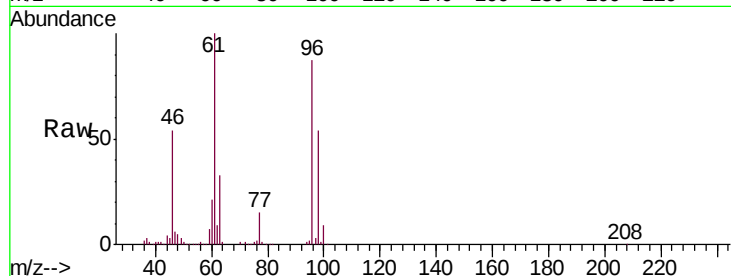
Tgt Ion: 96 Resp: 307304

Ion Ratio Lower Upper

96 100

61 115.2 77.3 143.7

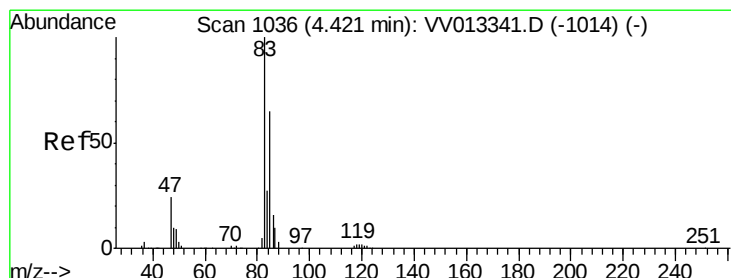
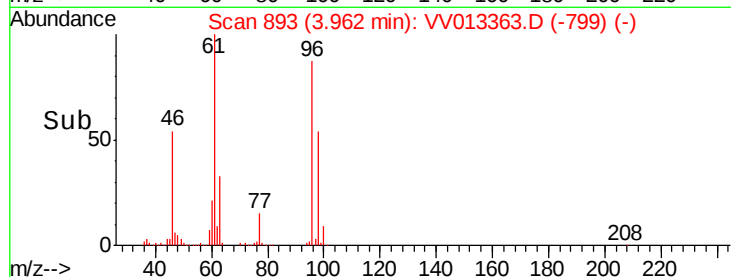
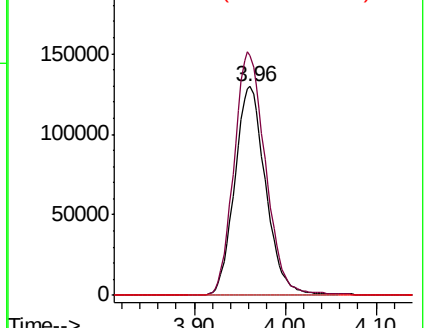
68 0.0 0.1 0.1#



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



#25

Chloroform

Concen: 0.251 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013363.D

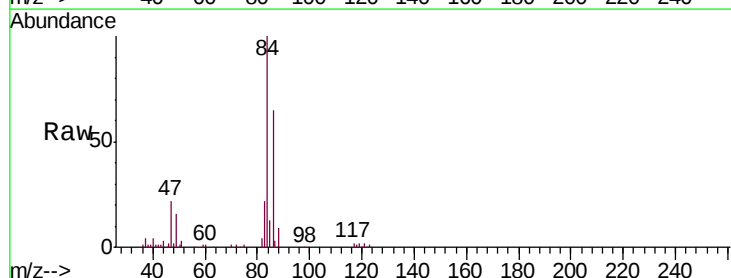
Acq: 25 Oct 2019 22:31

Tgt Ion: 83 Resp: 19511

Ion Ratio Lower Upper

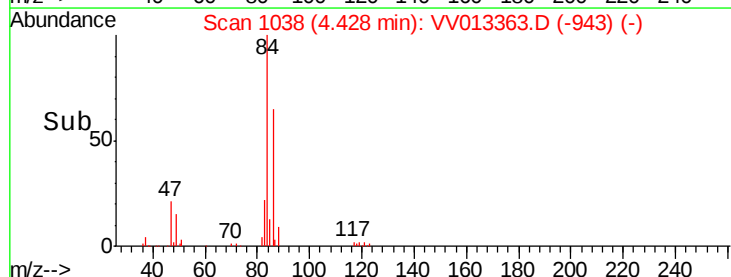
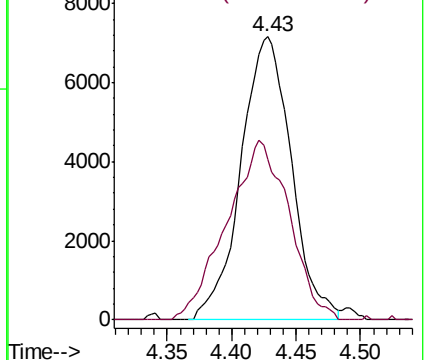
83 100

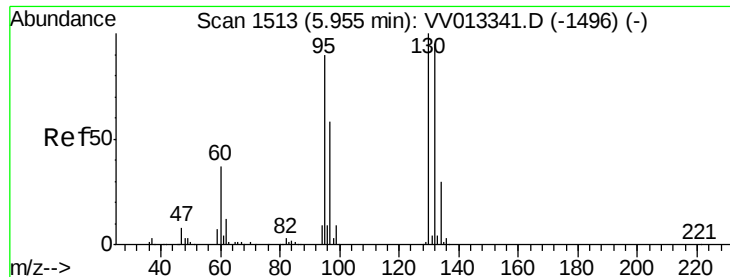
85 56.8 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 3.080 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

Instrument :

MSVOA_V

ClientSampleId :

H0G17DL

Tgt Ion: 95 Resp: 137433

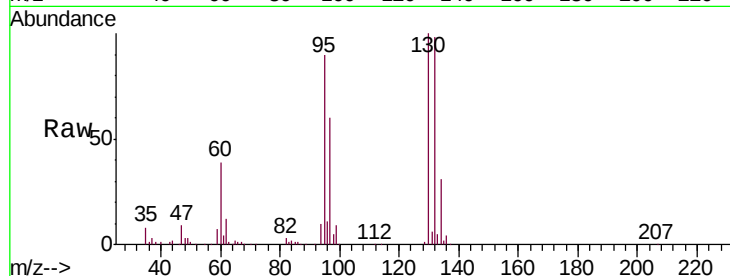
Ion Ratio Lower Upper

95 100

97 66.2 45.2 84.0

132 108.2 70.6 131.2

130 110.8 75.5 140.3

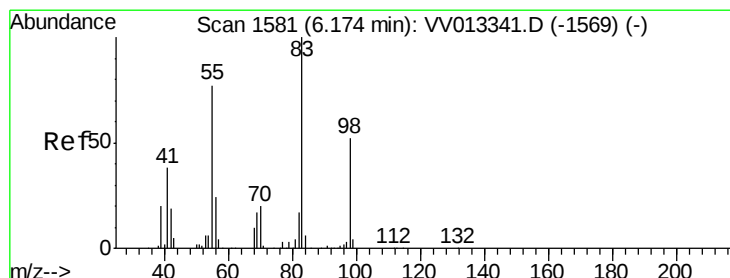
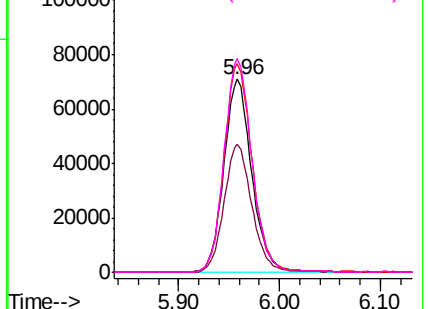
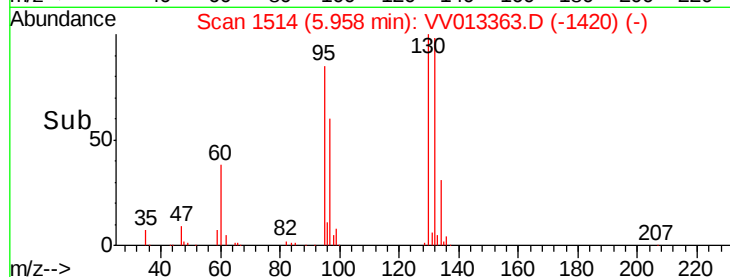


Abundance Ion 95.00 (94.70 to 95.70): VV013363.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013363.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV013363.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013363.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.816 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013363.D

Acq: 25 Oct 2019 22:31

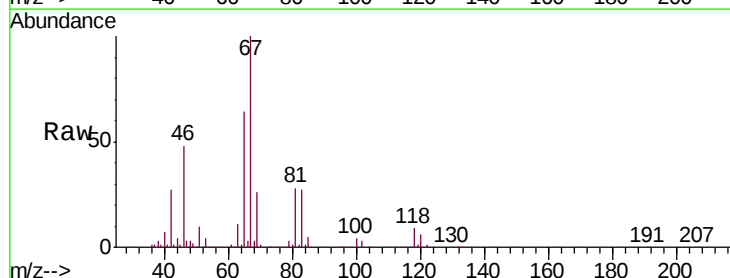
Tgt Ion: 83 Resp: 56040

Ion Ratio Lower Upper

83 100

55 0.6 62.4 93.6#

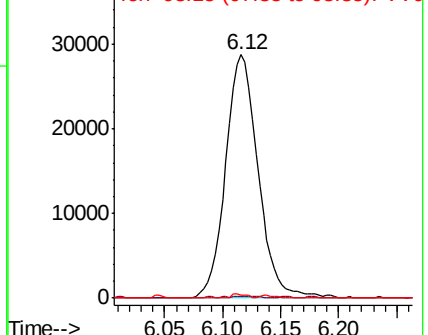
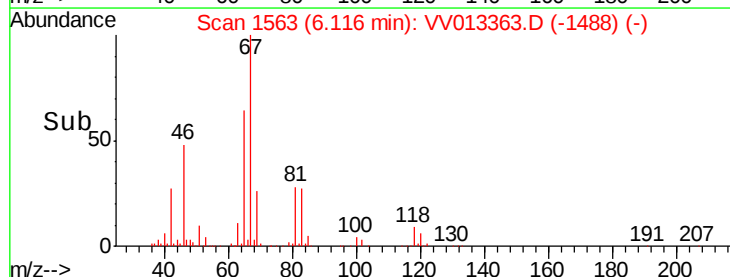
98 0.7 39.2 58.8#

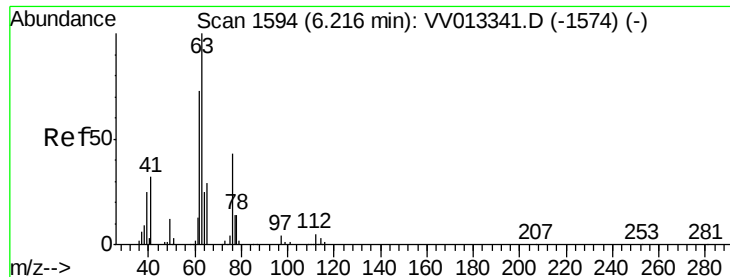


Abundance Ion 83.15 (82.85 to 83.85): VV013363.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV013363.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV013363.D (-1488) (-)

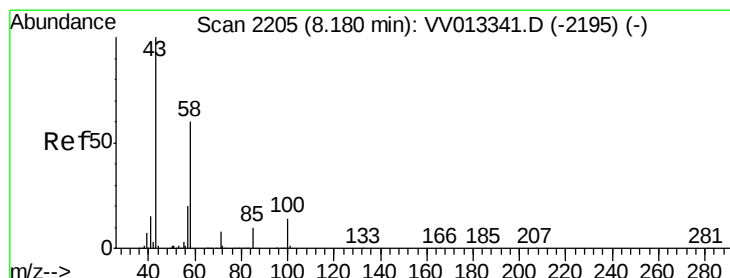
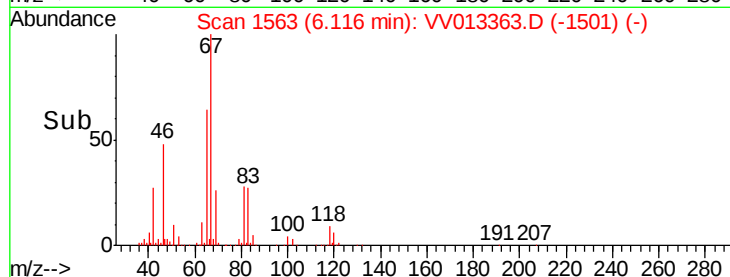
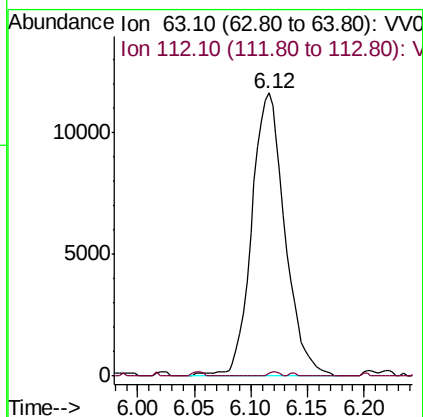
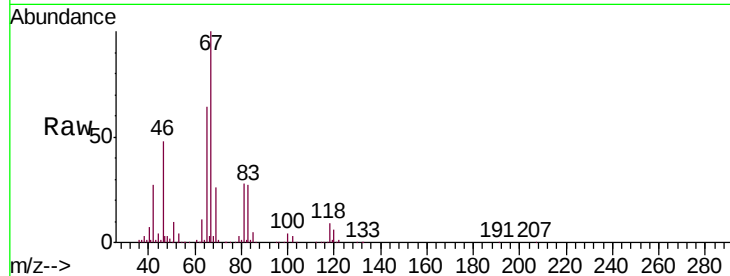




#37
 1,2-Dichloropropane
 Concen: 0.588 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013363.D
 Acq: 25 Oct 2019 22:31

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17DL

Tgt Ion: 63 Resp: 23760
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.1 6.1#



#48
 2-Hexanone
 Concen: 1.886 ug/L
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: VV013363.D
 Acq: 25 Oct 2019 22:31

Tgt Ion: 43 Resp: 27809
 Ion Ratio Lower Upper
 43 100
 58 46.5 45.1 67.7
 57 18.8 15.5 23.3
 100 8.9 10.2 15.2#

