

Data File : VV013346.D
Acq On : 25 Oct 2019 15:20
Operator : SY/MD
Sample : K5457-04
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K09

Quant Time: Oct 26 01:01:20 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	445974	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	470215	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	249793	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	182947	5.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.20%
7) Chloroethane-d5	1.58	69	145342	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.13	63	253552	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	3.97	46	412916	65.39	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.78%#
24) Chloroform-d	4.40	84	358624	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	173276	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	793183	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.12	67	233278	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	694104	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.66	79	79604	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.14	63	261931	42.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	146898	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	263327	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5052	0.118 ug/L	90
5) Vinyl chloride	1.32	62	11756	0.273 ug/L #	66
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2659	0.072 ug/L #	26
12) 1,1-Dichloroethene	2.14	96	81390	2.321 ug/L #	76
18) trans-1,2-Dichloroethene	2.79	96	7505	0.182 ug/L	92
19) 1,1-Dichloroethane	3.23	63	17812	0.265 ug/L #	92
22) cis-1,2-Dichloroethene	3.96	96	909751	20.563 ug/L #	93
25) Chloroform	4.43	83	29704	0.339 ug/L	98
27) 1,2-Dichloroethane	5.10	62	4393	0.094 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	7756	0.112 ug/L	97
31) Carbon tetrachloride	4.87	117	14015	0.225 ug/L	98
34) Trichloroethene	5.96	95	958290	19.890 ug/L	96
35) Methylcyclohexane	6.12	83	55861	0.754 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	23848	0.547 ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	3888	0.084 ug/L	99
47) Tetrachloroethene	8.02	164	298093	6.813 ug/L	99
48) 2-Hexanone	8.18	43	19208	1.207 ug/L #	88

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

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QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

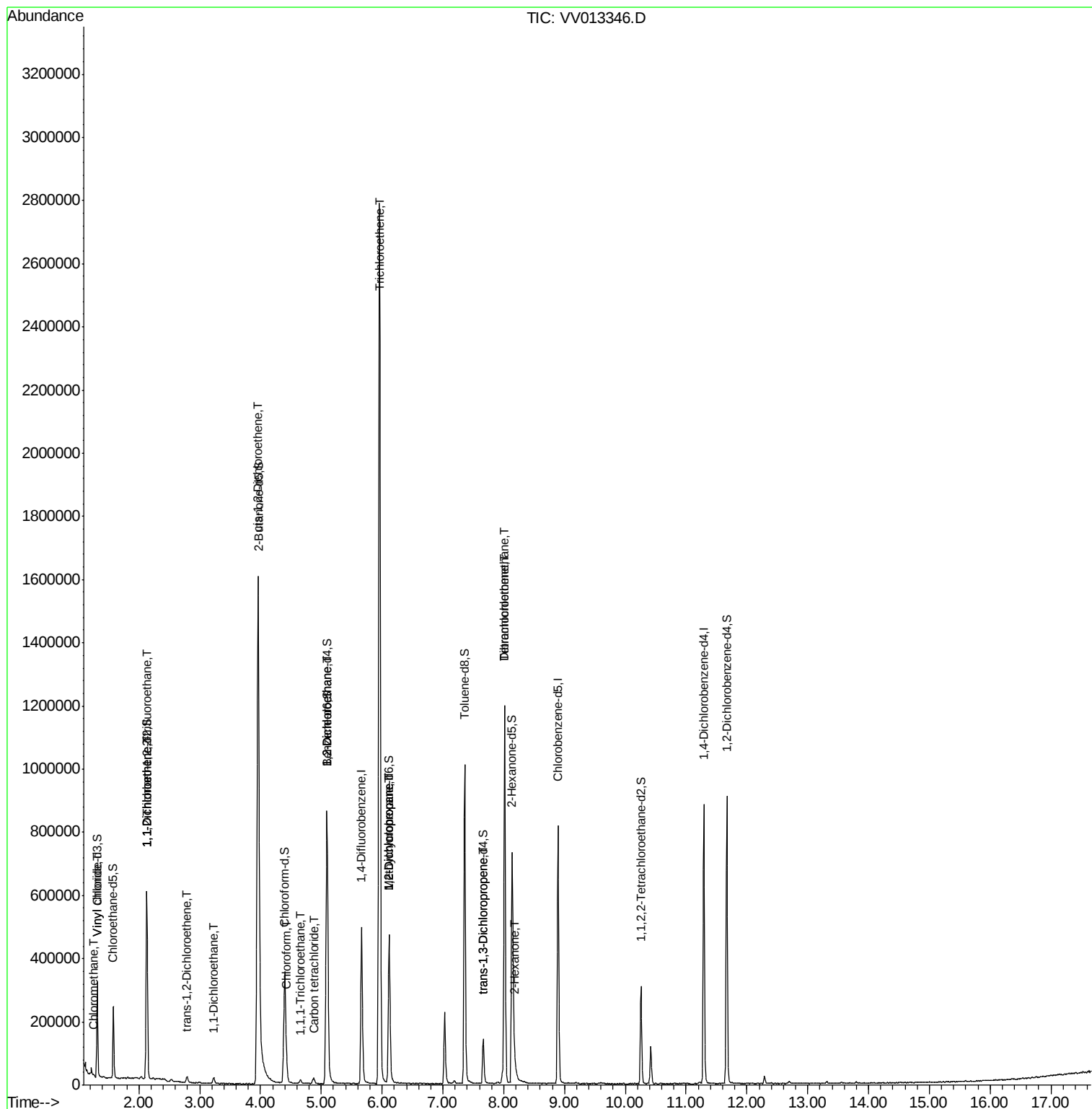
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	243909	6.360	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

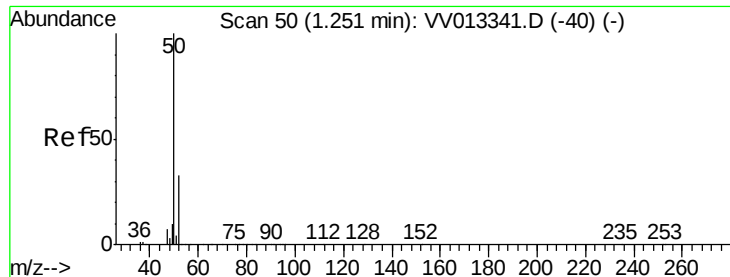
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.118 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

Instrument :

MSVOA_V

ClientSampled :

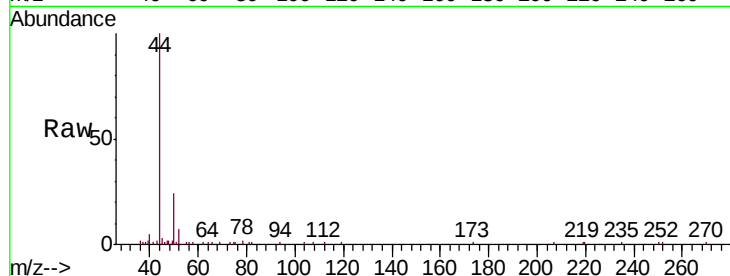
C0K09

Tgt Ion: 50 Resp: 5052

Ion Ratio Lower Upper

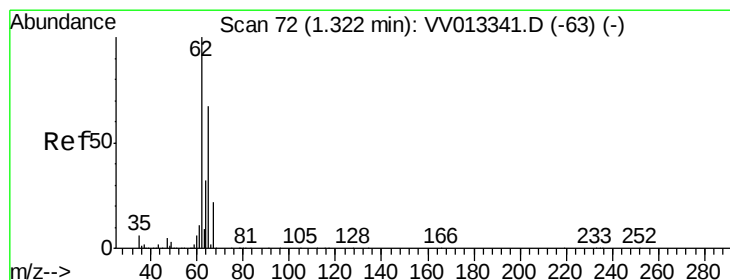
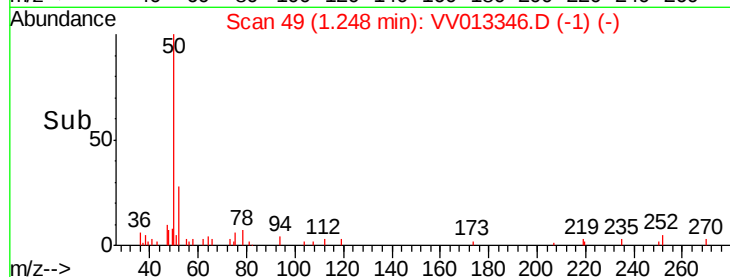
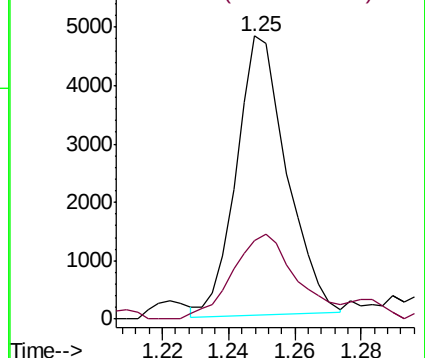
50 100

52 27.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.273 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013346.D

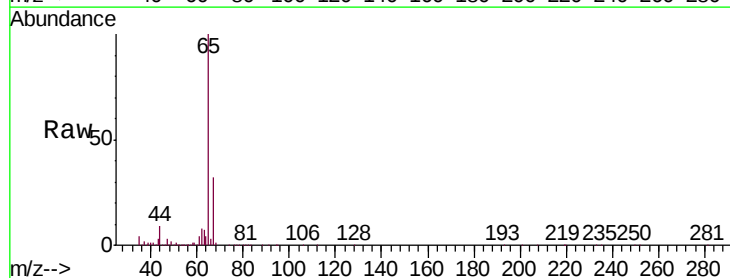
Acq: 25 Oct 2019 15:20

Tgt Ion: 62 Resp: 11756

Ion Ratio Lower Upper

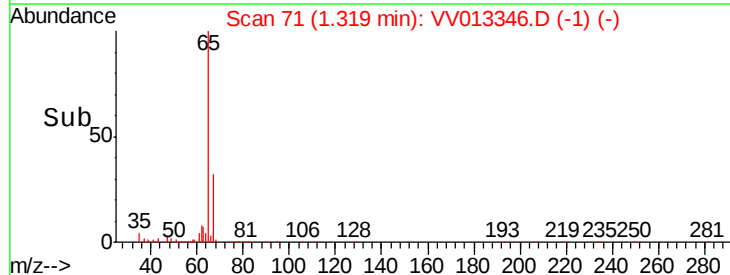
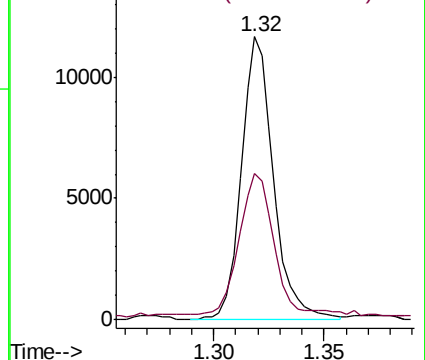
62 100

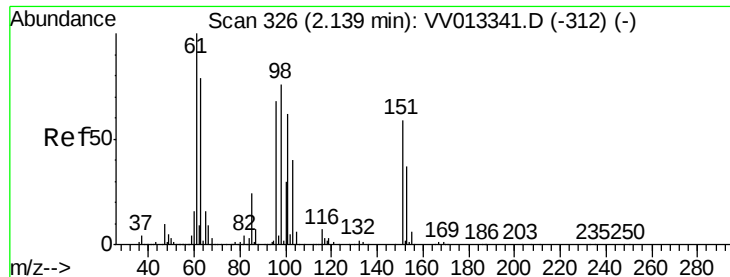
64 51.6 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#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: VV013346.D

Acq: 25 Oct 2019 15:20

Instrument :

MSVOA_V

ClientSampleId :

C0K09

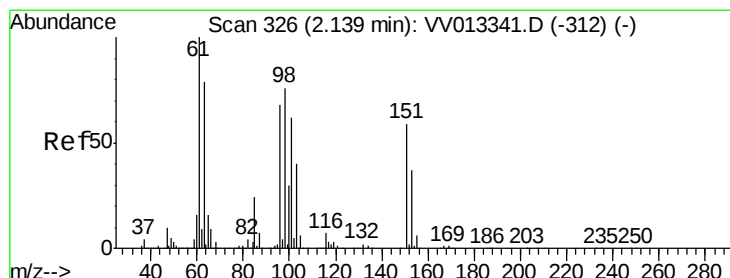
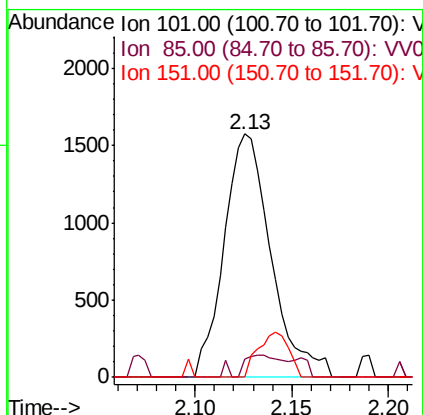
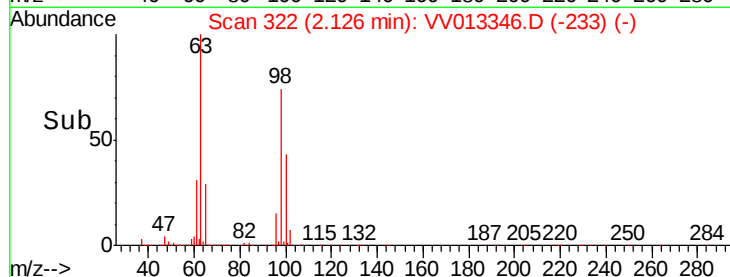
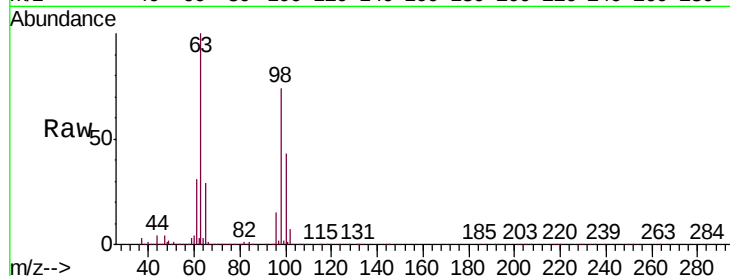
Tgt Ion:101 Resp: 2659

Ion Ratio Lower Upper

101 100

85 7.3 31.8 47.8#

151 12.0 72.9 109.3#



#12

1,1-Dichloroethene

Concen: 2.321 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

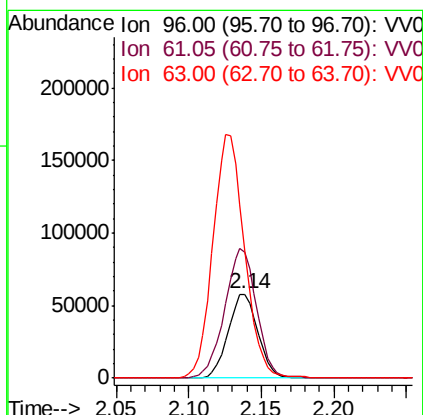
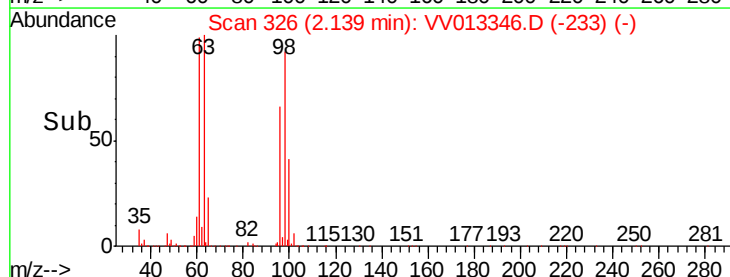
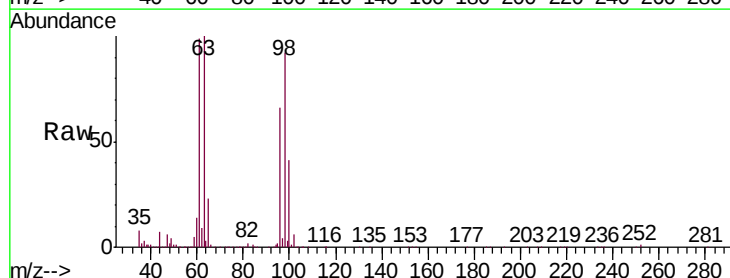
Tgt Ion: 96 Resp: 81390

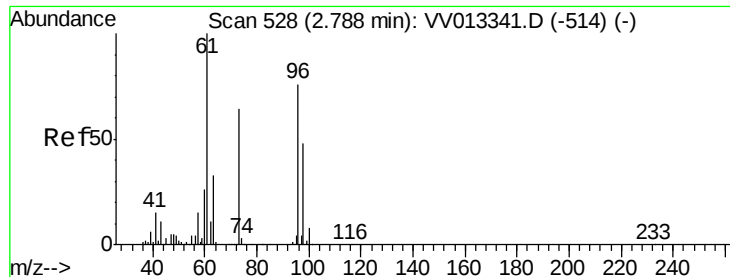
Ion Ratio Lower Upper

96 100

61 150.9 104.0 193.1

63 152.4 67.1 124.5#





#18

trans-1,2-Dichloroethene

Concen: 0.182 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

Instrument :

MSVOA_V

ClientSampleId :

C0K09

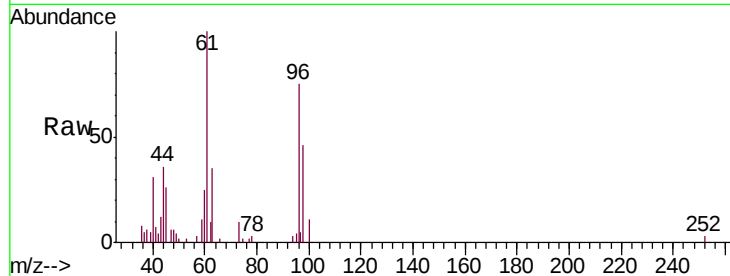
Tgt Ion: 96 Resp: 7505

Ion Ratio Lower Upper

96 100

61 133.1 84.4 156.8

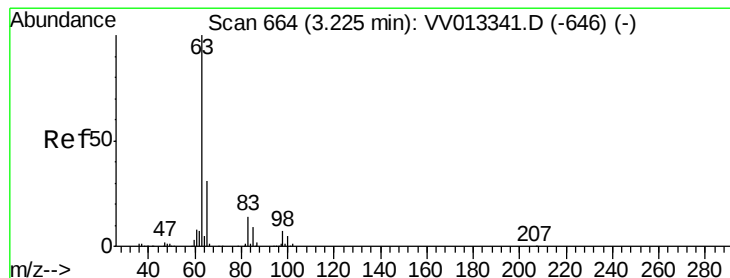
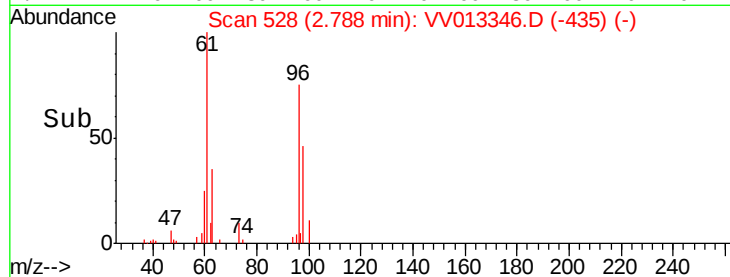
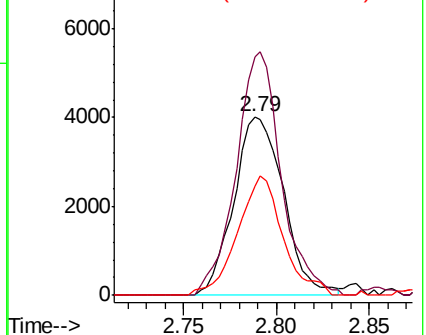
98 61.4 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.265 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

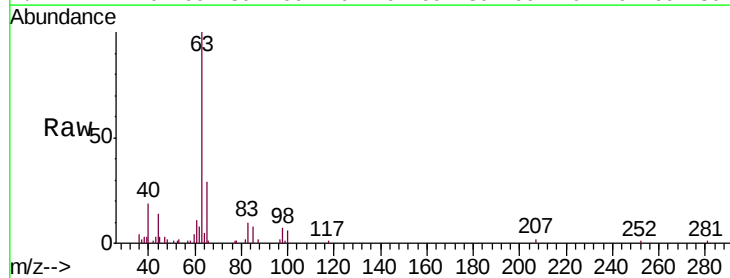
Tgt Ion: 63 Resp: 17812

Ion Ratio Lower Upper

63 100

65 28.7 23.0 42.8

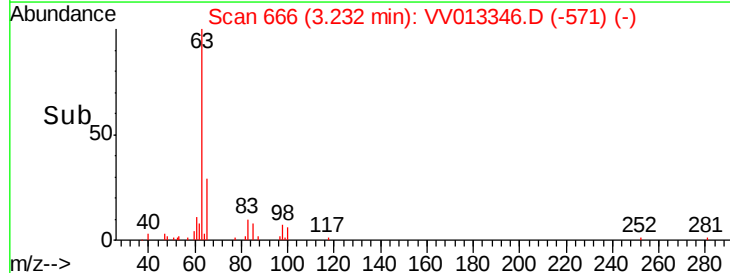
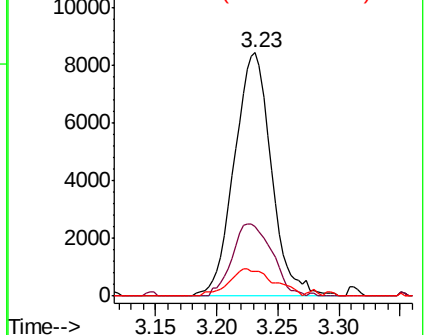
83 10.2 10.2 19.0#

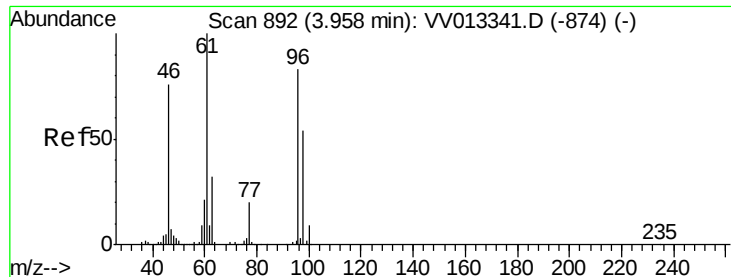


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



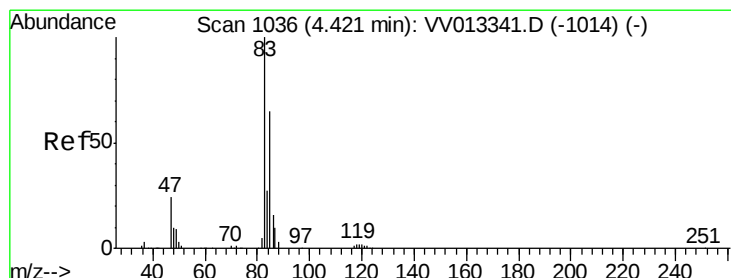
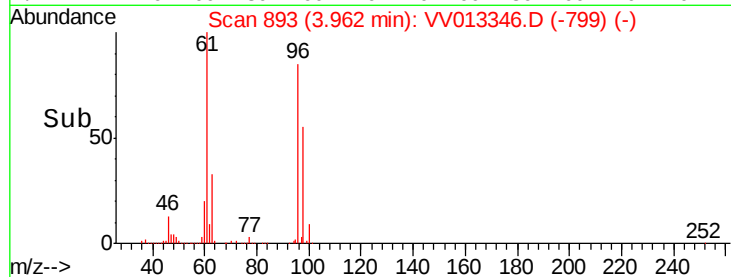
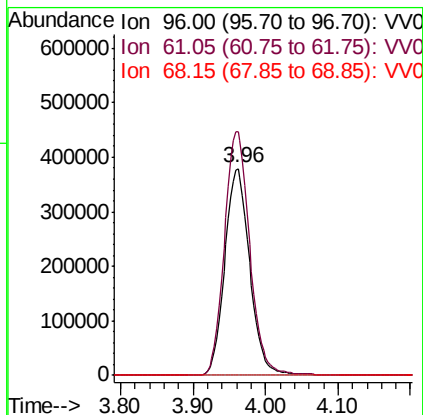
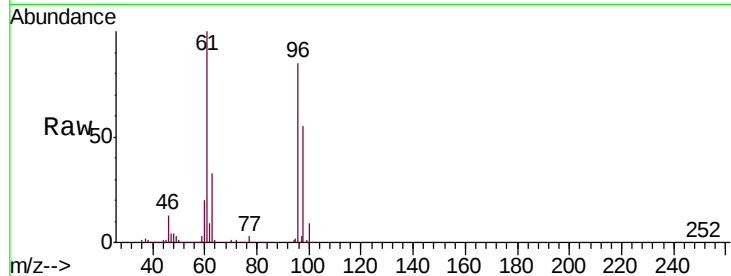


#22

cis-1,2-Dichloroethene
 Concen: 20.563 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013346.D
 Acq: 25 Oct 2019 15:20

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K09

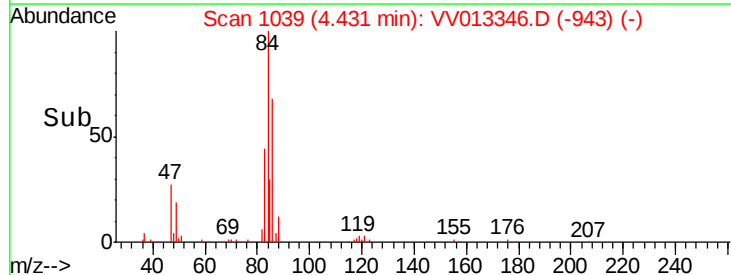
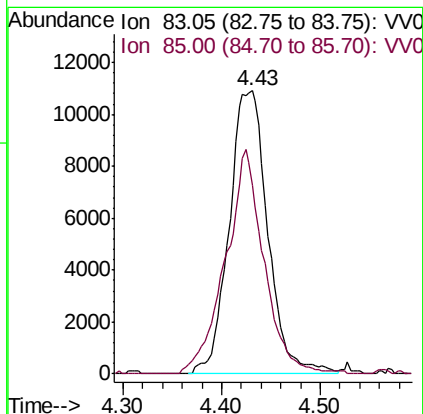
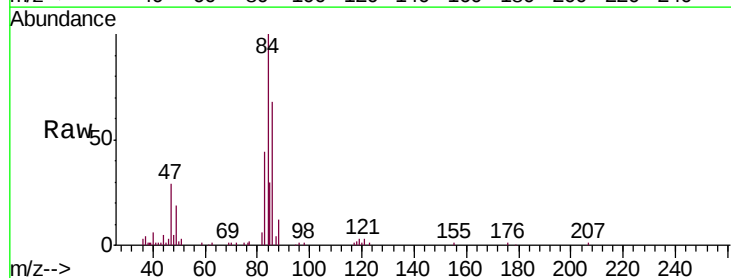
Tgt Ion: 96 Resp: 909751
 Ion Ratio Lower Upper
 96 100
 61 117.8 77.3 143.7
 68 0.1 0.1 0.1#

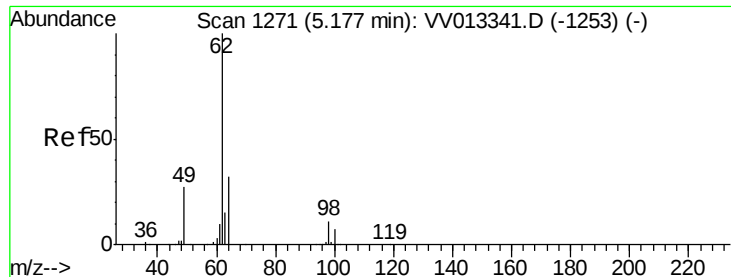


#25

Chloroform
 Concen: 0.339 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VV013346.D
 Acq: 25 Oct 2019 15:20

Tgt Ion: 83 Resp: 29704
 Ion Ratio Lower Upper
 83 100
 85 66.8 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.094 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

Instrument :

MSVOA_V

ClientSampleId :

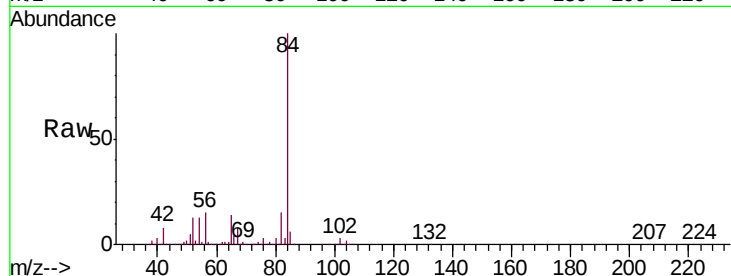
C0K09

Tgt Ion: 62 Resp: 4393

Ion Ratio Lower Upper

62 100

98 9.3 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV013341.D (-1253) (-)

Ion 98.05 (97.75 to 98.75): VV013341.D (-1253) (-)

2500

2000

1500

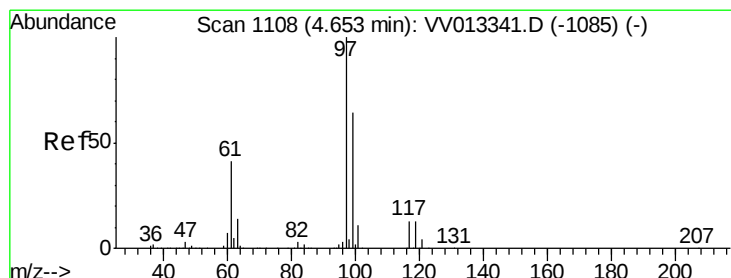
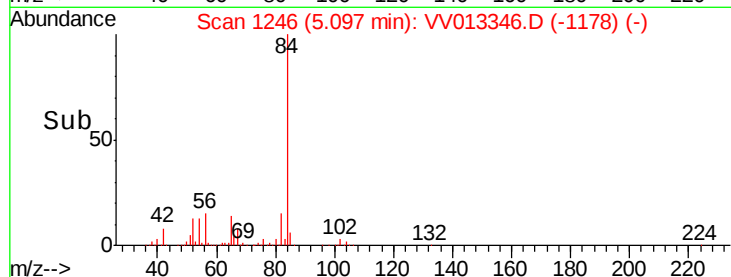
1000

500

0

5.05 5.10 5.15

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.112 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

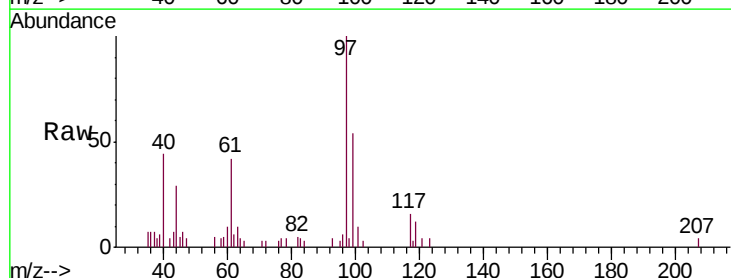
Tgt Ion: 97 Resp: 7756

Ion Ratio Lower Upper

97 100

99 62.3 51.7 77.5

61 45.3 34.3 51.5



Abundance Ion 96.95 (96.65 to 97.65): VV013341.D (-1085) (-)

Ion 99.05 (98.75 to 99.75): VV013341.D (-1085) (-)

Ion 61.05 (60.75 to 61.75): VV013341.D (-1085) (-)

4000

3000

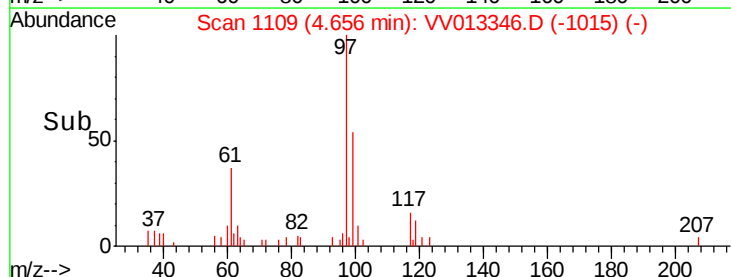
2000

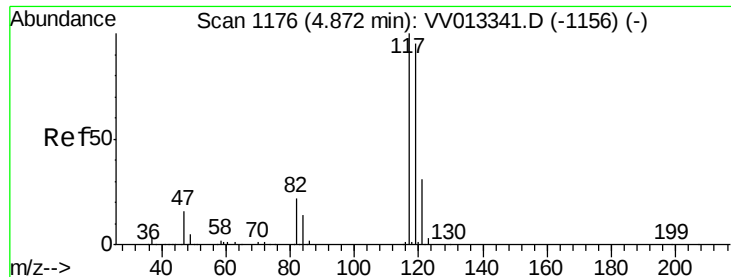
1000

0

4.60 4.65 4.70 4.75

Time-->

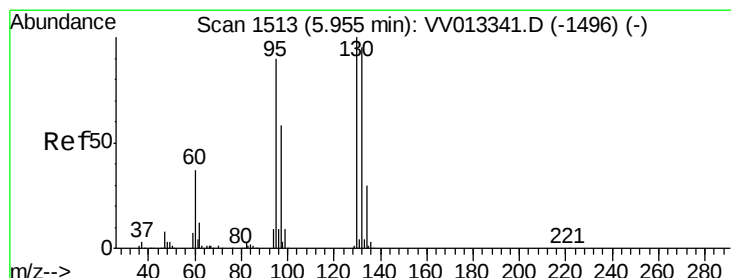
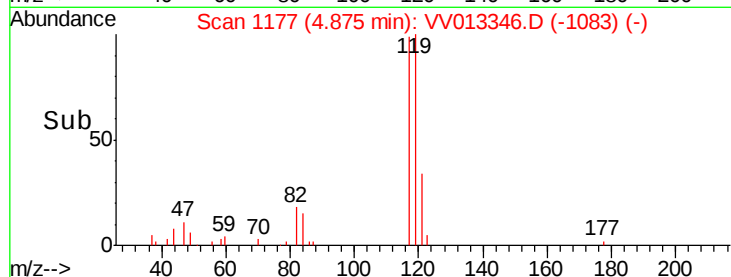
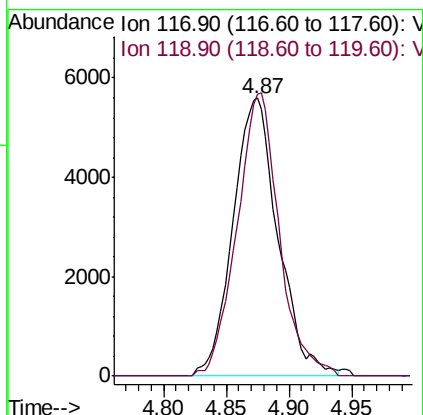
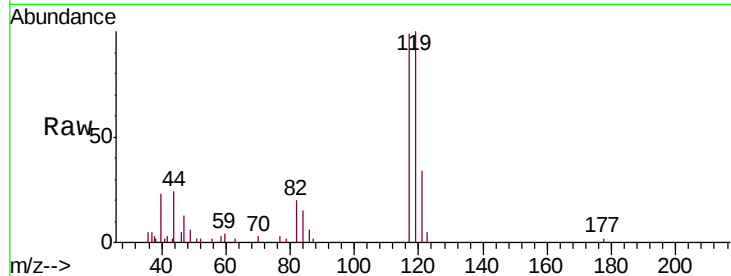




#31
Carbon tetrachloride
Concen: 0.225 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV013346.D
Acq: 25 Oct 2019 15:20

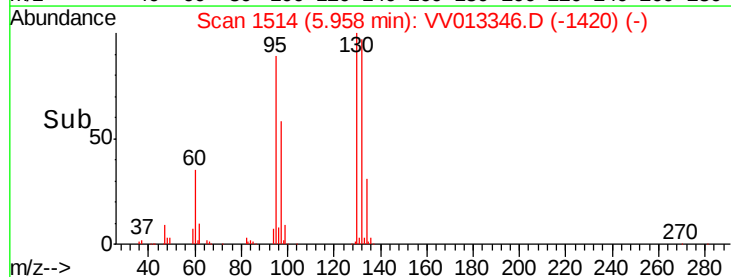
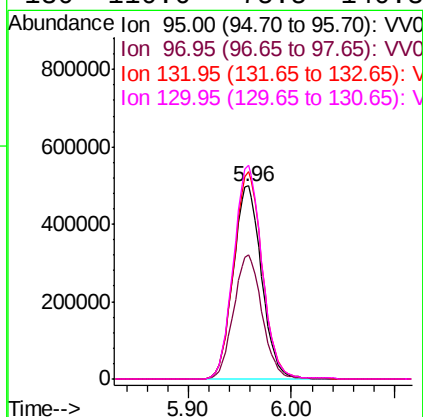
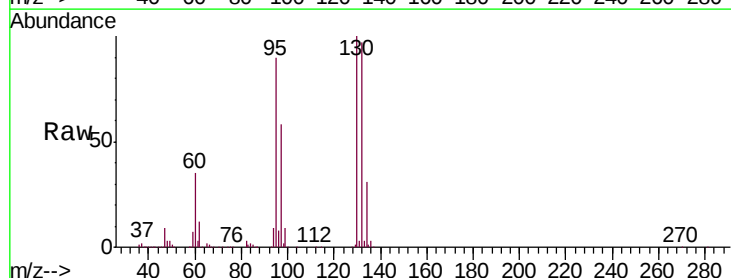
Instrument :
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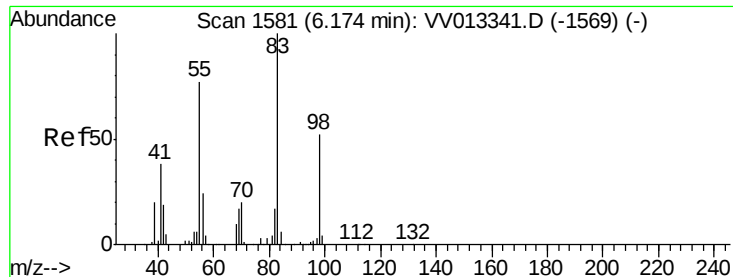
Tgt Ion: 117 Resp: 14015
Ion Ratio Lower Upper
117 100
119 95.2 77.4 116.0



#34
Trichloroethene
Concen: 19.890 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV013346.D
Acq: 25 Oct 2019 15:20

Tgt Ion: 95 Resp: 958290
Ion Ratio Lower Upper
95 100
97 64.2 45.2 84.0
132 107.4 70.6 131.2
130 110.6 75.5 140.3

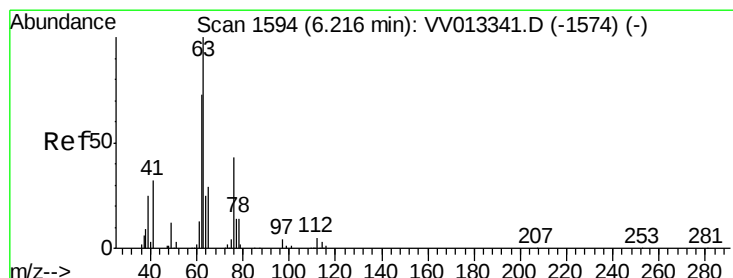
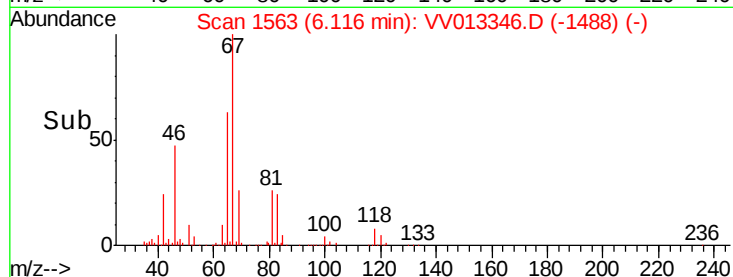
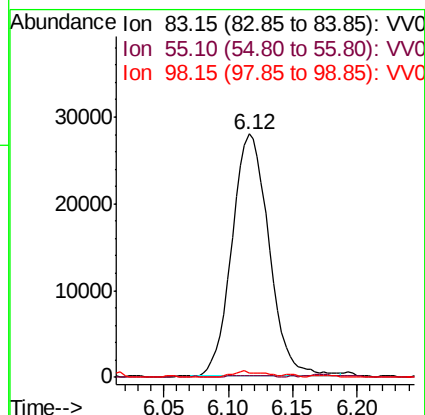
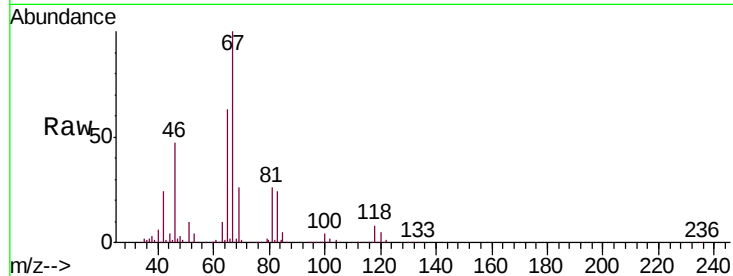




#35
Methylcyclohexane
Concen: 0.754 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV013346.D
Acq: 25 Oct 2019 15:20

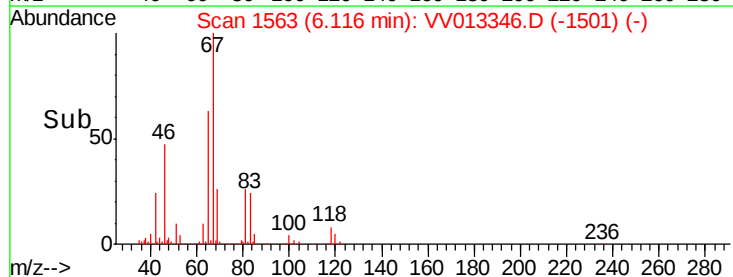
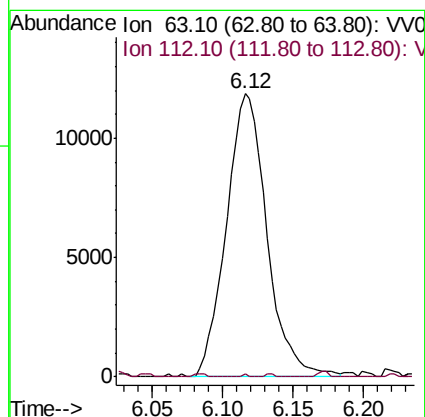
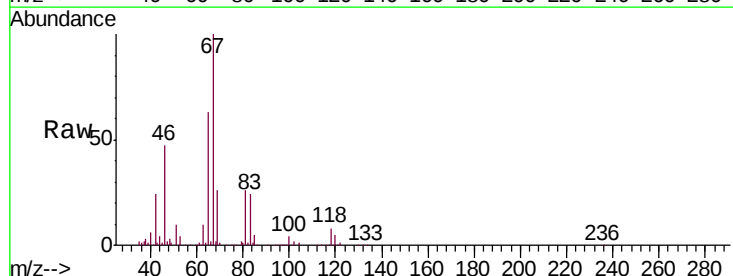
Instrument :
MSVOA_V
ClientSampleId :
C0K09

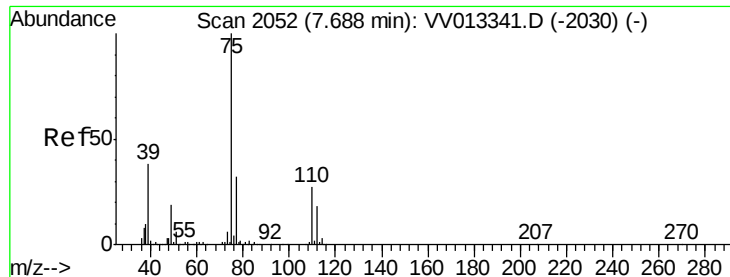
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.5	62.4	93.6#
98	2.3	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.547 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013346.D
Acq: 25 Oct 2019 15:20

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.1	4.1	6.1#





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

Instrument :

MSVOA_V

ClientSampleId :

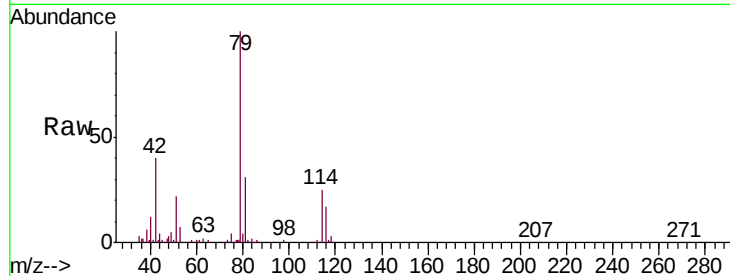
C0K09

Tgt Ion: 75 Resp: 3888

Ion Ratio Lower Upper

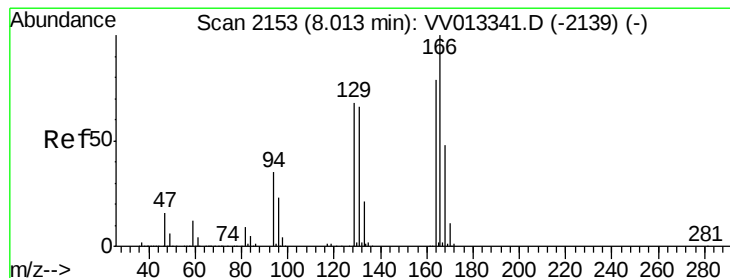
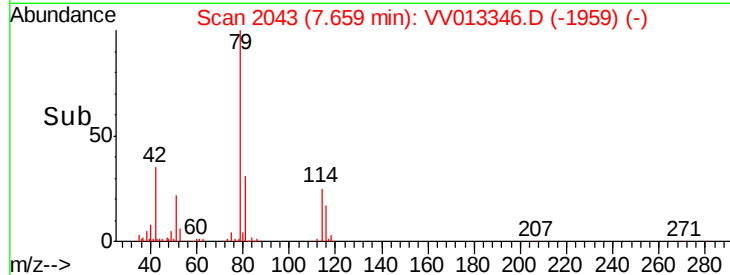
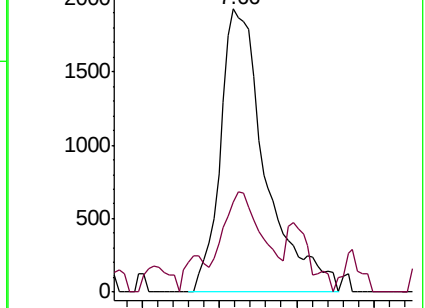
75 100

77 32.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 6.813 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013346.D

Acq: 25 Oct 2019 15:20

Tgt Ion: 164 Resp: 298093

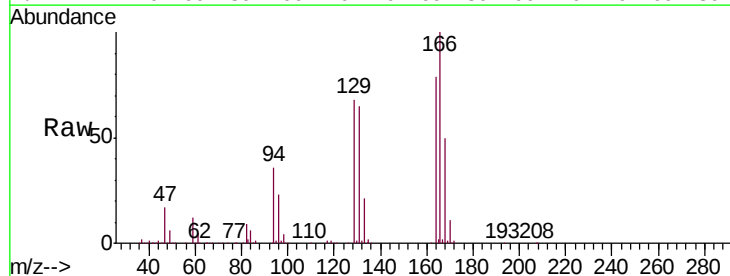
Ion Ratio Lower Upper

164 100

129 85.4 61.0 113.2

131 82.1 57.5 106.9

166 125.9 87.8 163.0

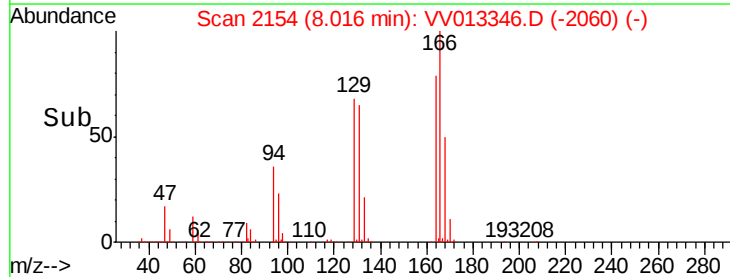
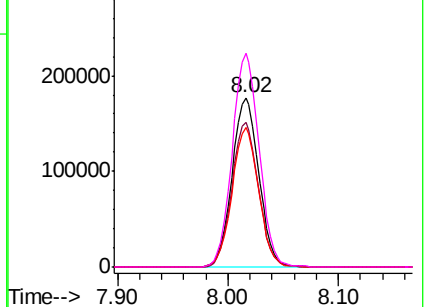


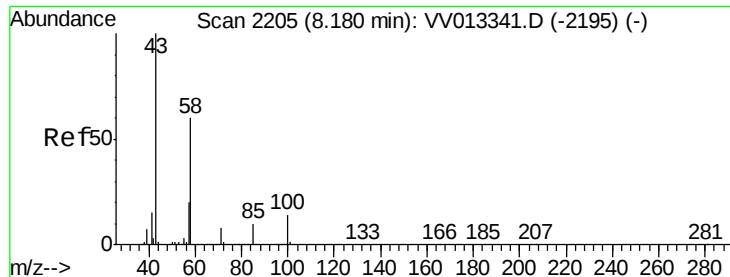
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

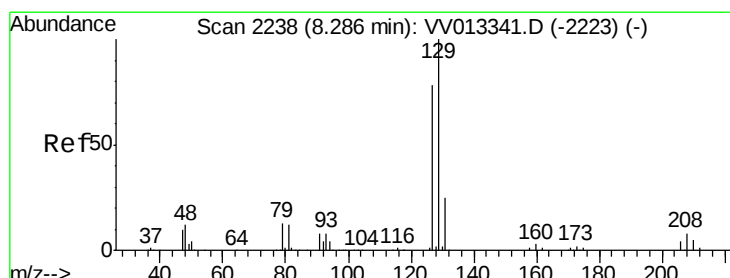
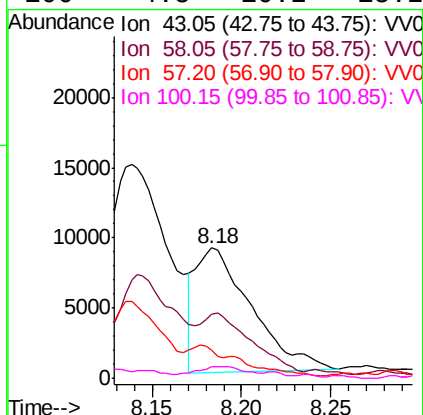
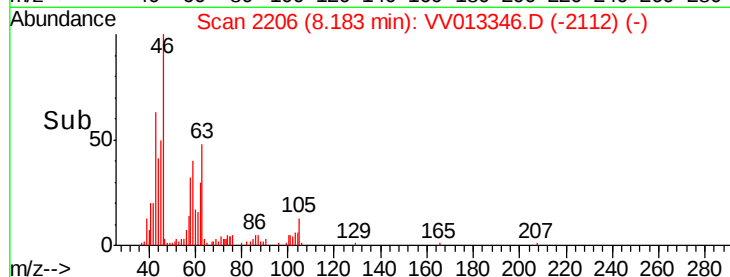
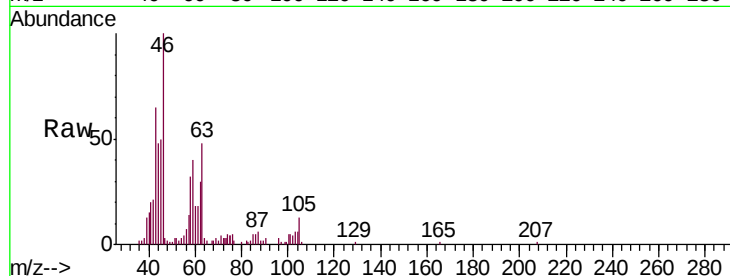




#48
2-Hexanone
Concen: 1.207 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013346.D
Acq: 25 Oct 2019 15:20

Instrument :
MSVOA_V
ClientSampleId :
C0K09

Tgt Ion: 43 Resp: 19208
Ion Ratio Lower Upper
43 100
58 47.4 45.1 67.7
57 22.8 15.5 23.3
100 4.5 10.2 15.2#



#49
Dibromochloromethane
Concen: 6.360 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013346.D
Acq: 25 Oct 2019 15:20

Tgt Ion: 129 Resp: 243909
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

