

Data File : VV013323.D
Acq On : 24 Oct 2019 21:21
Operator : SY/MD
Sample : K5462-13
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K09DL

Quant Time: Oct 25 04:46:34 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	435307	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	468176	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	244891	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	157184	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	130356	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.13	63	191847	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	3.94	46	383111	62.16	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.32%
24) Chloroform-d	4.40	84	330278	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	161175	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	675734	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.12	67	210025	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	566400	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	7.66	79	60801	3.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.40%
46) 2-Hexanone-d5	8.13	63	194822	31.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	143566	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	232027	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	260514	6.201	ug/L	99
8) Chloroethane	1.32	64	83192	3.323	ug/L #	50
12) 1,1-Dichloroethene	2.14	96	7640	0.223	ug/L #	1
17) Methyl tert-butyl Ether	2.80	73	682626	8.612	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	302780	7.504	ug/L	93
19) 1,1-Dichloroethane	3.23	63	69594	1.061	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	4006994	92.788	ug/L #	91
25) Chloroform	4.43	83	11125	0.130	ug/L	95
33) Benzene	5.15	78	44154	0.247	ug/L	100
34) Trichloroethene	5.96	95	2016538	42.038	ug/L	96
35) Methylcyclohexane	6.11	83	51368	0.696	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	21729	0.500	ug/L #	86
44) trans-1,3-Dichloropropene	7.67	75	2434	0.053	ug/L #	52
47) Tetrachloroethene	8.02	164	46515	1.068	ug/L	98
48) 2-Hexanone	8.14	43	31677	1.999	ug/L #	69
49) Dibromochloromethane	8.02	129	39284	1.029	ug/L #	11

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

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QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

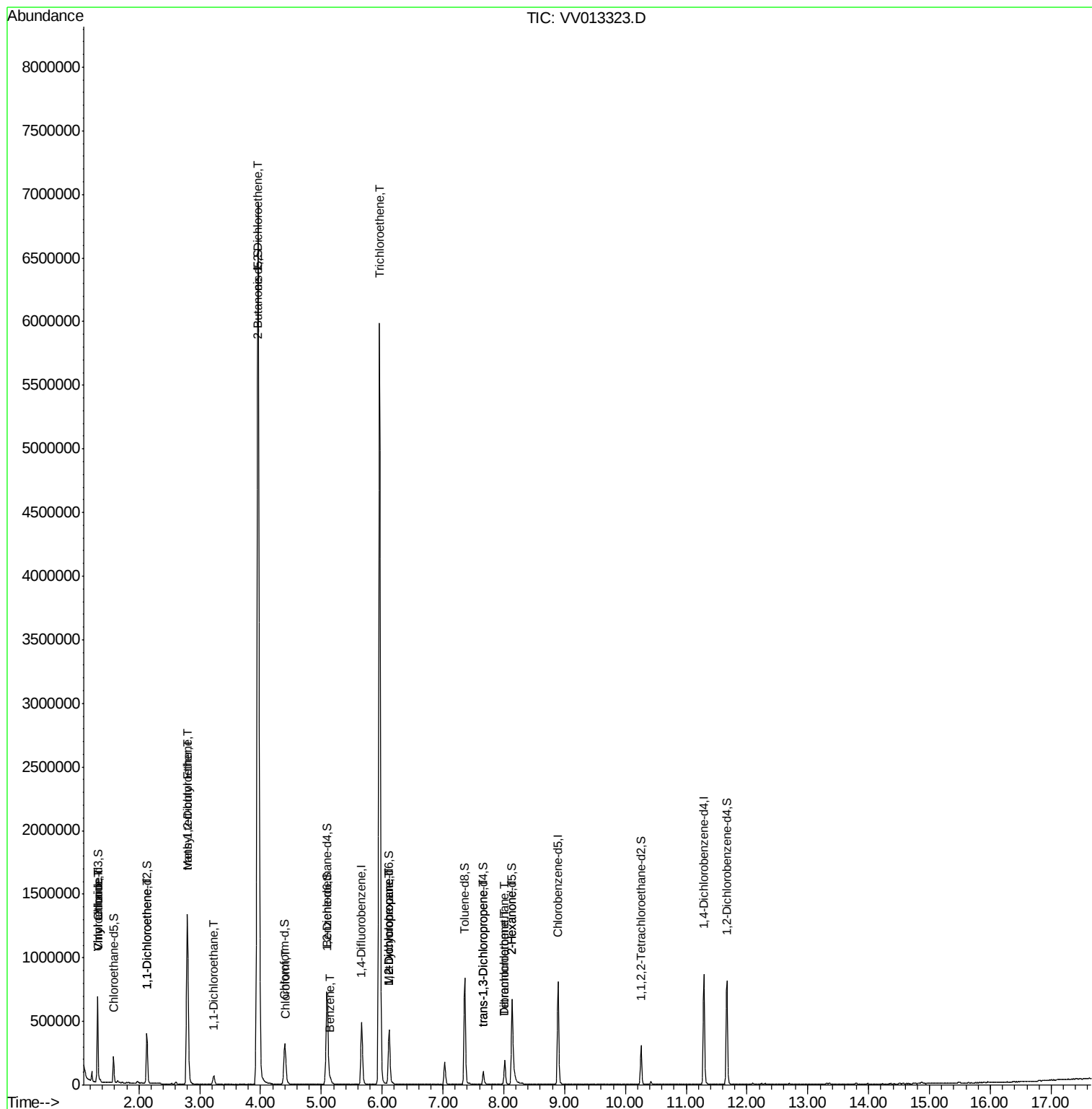
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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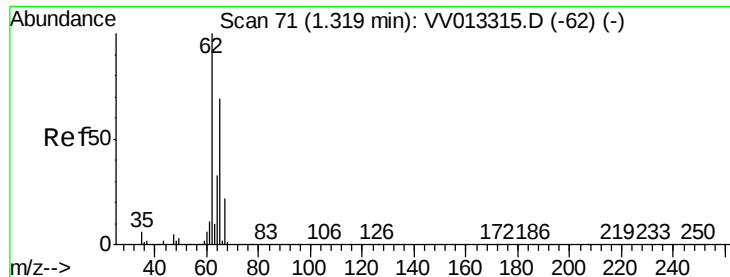
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#5

Vinyl chloride

Concen: 6.201 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013323.D

Acq: 24 Oct 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

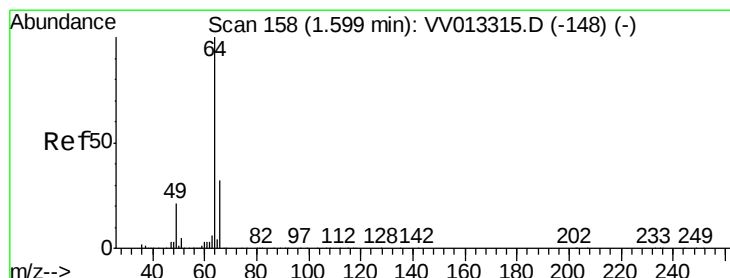
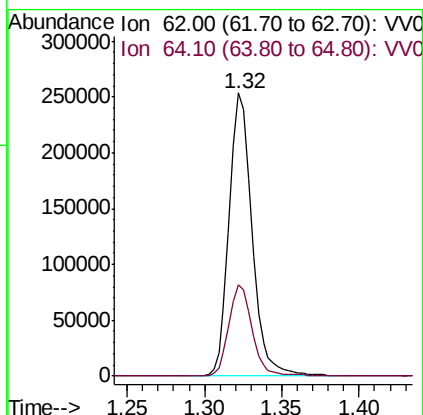
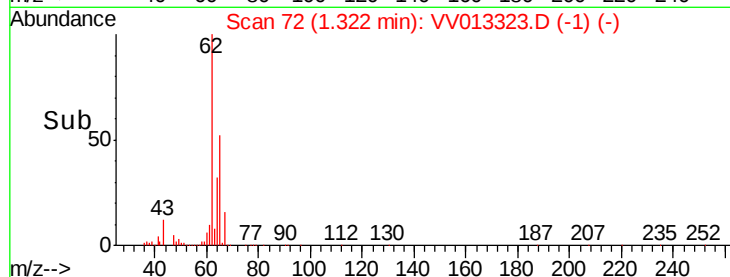
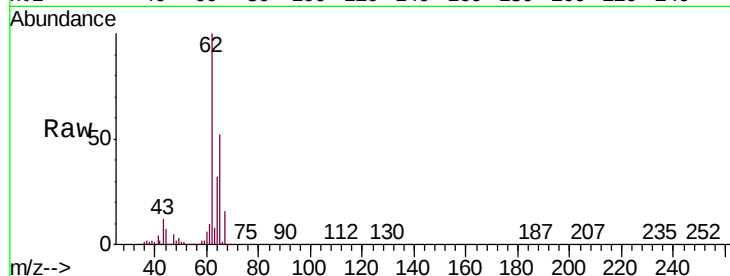
C0K09DL

Tgt Ion: 62 Resp: 260514

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#8

Chloroethane

Concen: 3.323 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013323.D

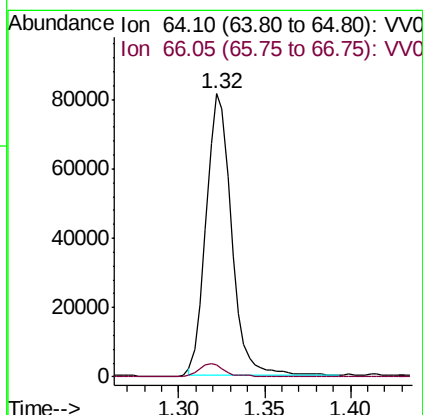
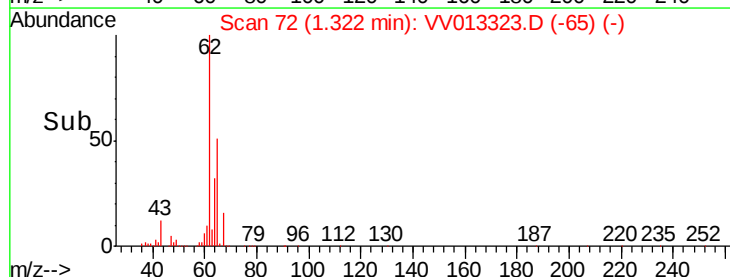
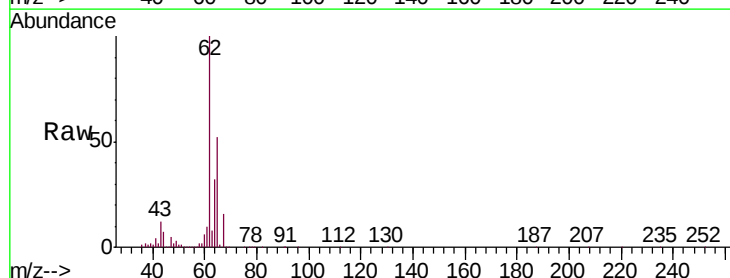
Acq: 24 Oct 2019 21:21

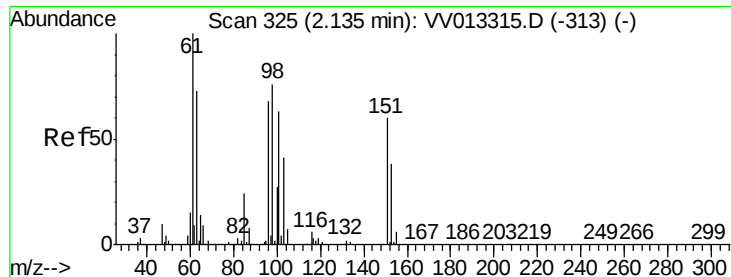
Tgt Ion: 64 Resp: 83192

Ion Ratio Lower Upper

64 100

66 4.2 22.7 42.3#

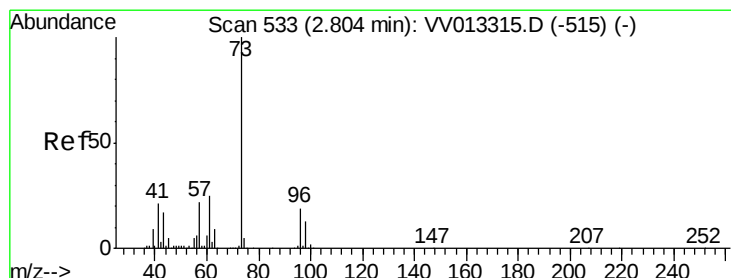
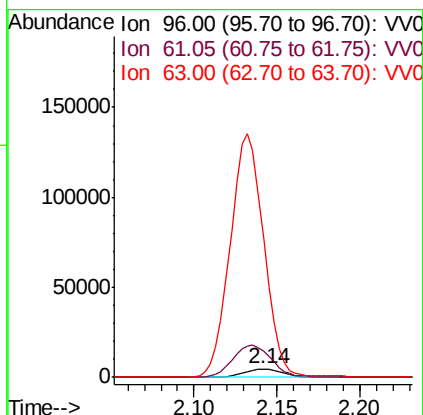
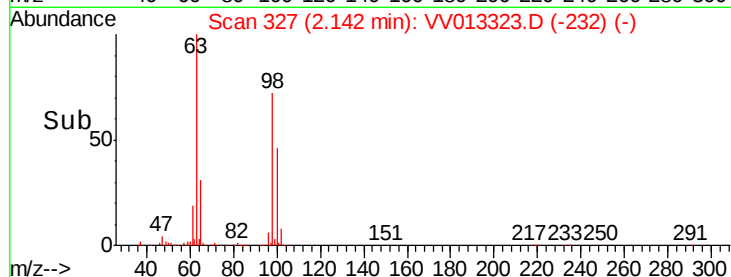
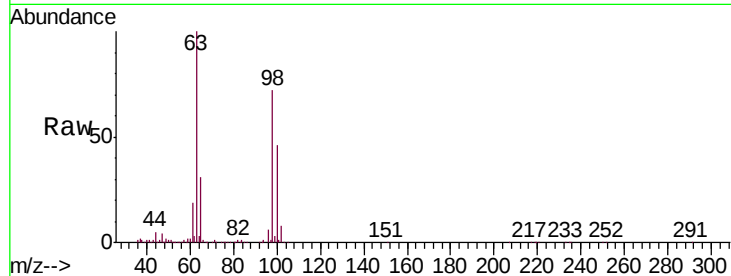




#12
 1,1-Dichloroethene
 Concen: 0.223 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VV013323.D
 Acq: 24 Oct 2019 21:21

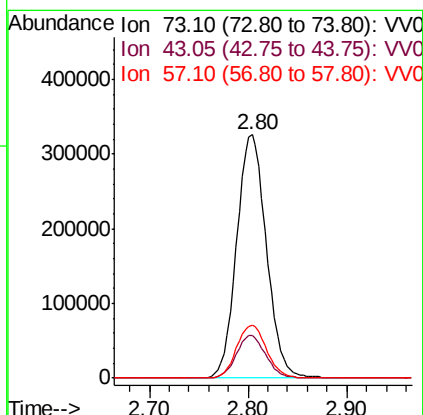
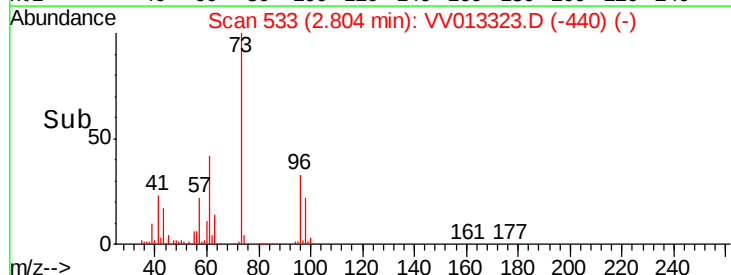
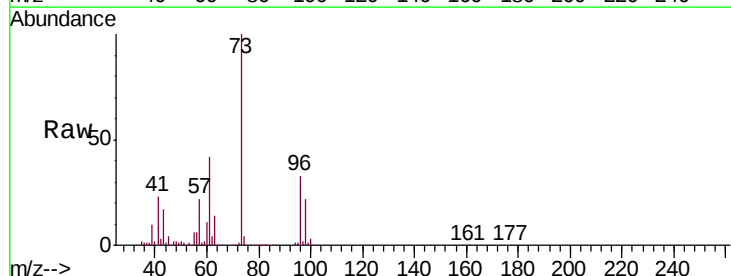
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K09DL

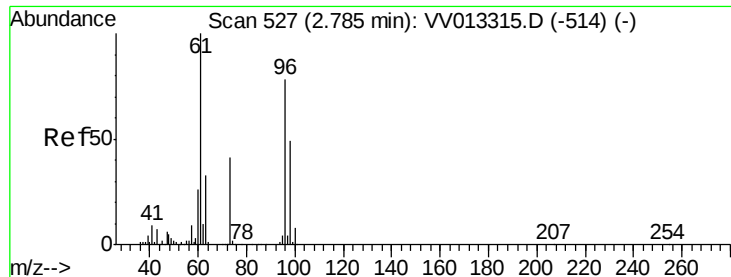
Tgt Ion: 96 Resp: 7640
 Ion Ratio Lower Upper
 96 100
 61 324.6 104.0 193.1#
 63 1691.2 67.1 124.5#



#17
 Methyl tert-butyl Ether
 Concen: 8.612 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VV013323.D
 Acq: 24 Oct 2019 21:21

Tgt Ion: 73 Resp: 682626
 Ion Ratio Lower Upper
 73 100
 43 17.5 13.1 19.7
 57 22.0 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 7.504 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013323.D

Acq: 24 Oct 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

C0K09DL

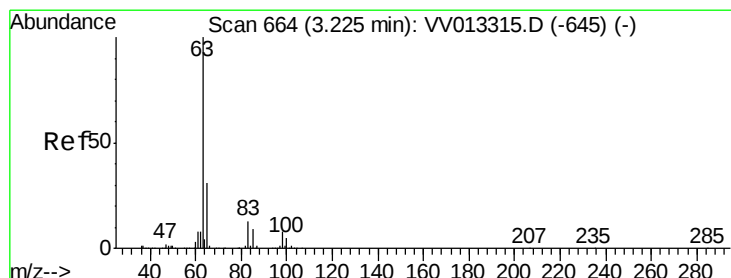
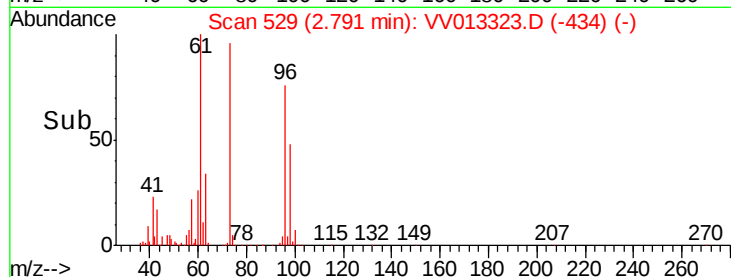
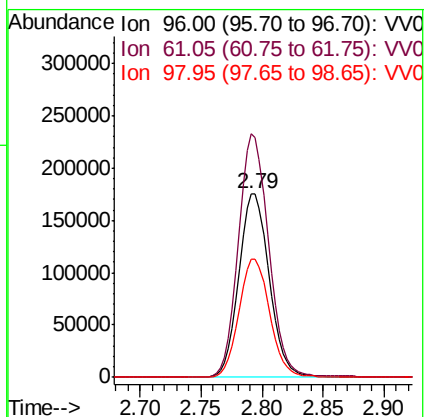
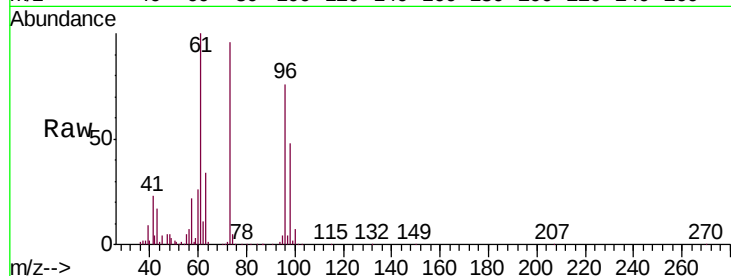
Tgt Ion: 96 Resp: 302780

Ion Ratio Lower Upper

96 100

61 132.3 84.4 156.8

98 64.1 44.4 82.4



#19

1,1-Dichloroethane

Concen: 1.061 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013323.D

Acq: 24 Oct 2019 21:21

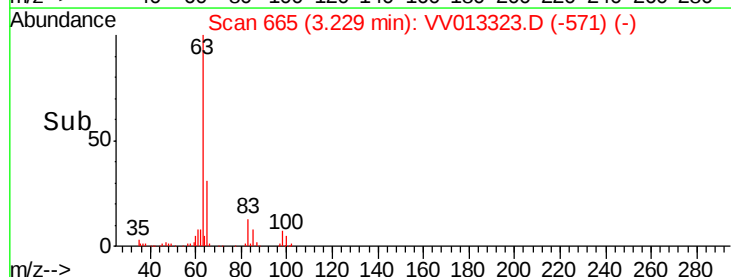
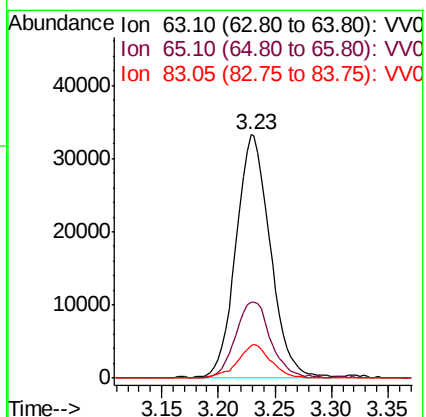
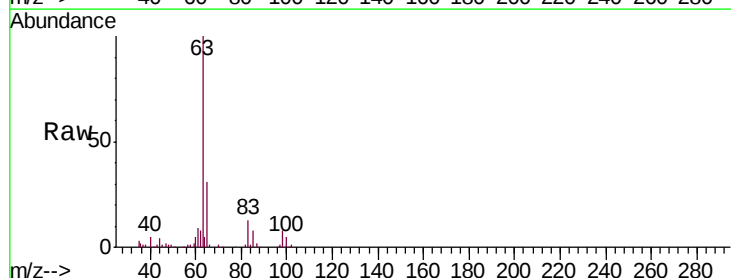
Tgt Ion: 63 Resp: 69594

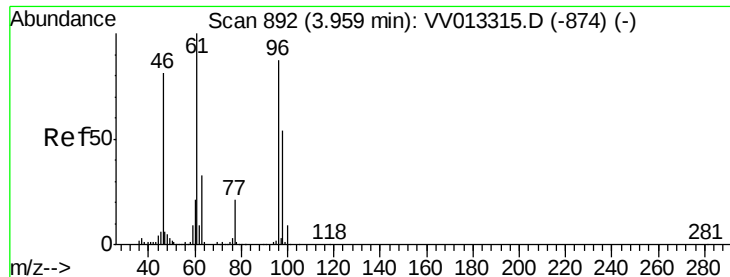
Ion Ratio Lower Upper

63 100

65 31.3 23.0 42.8

83 13.3 10.2 19.0



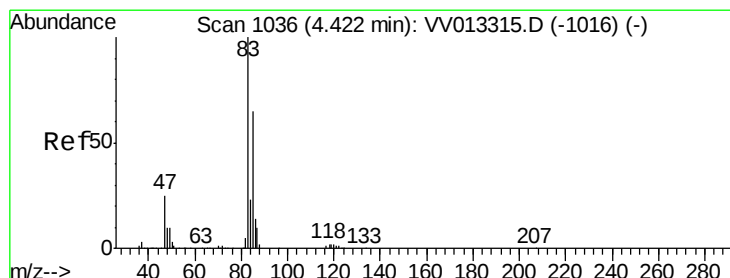
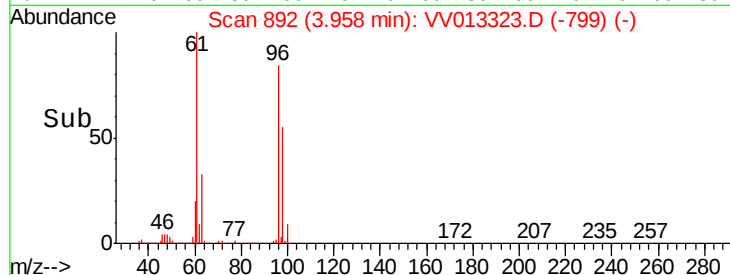
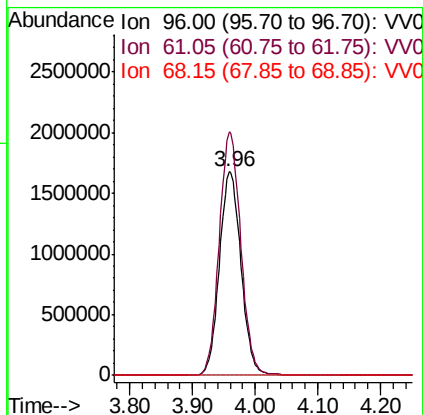
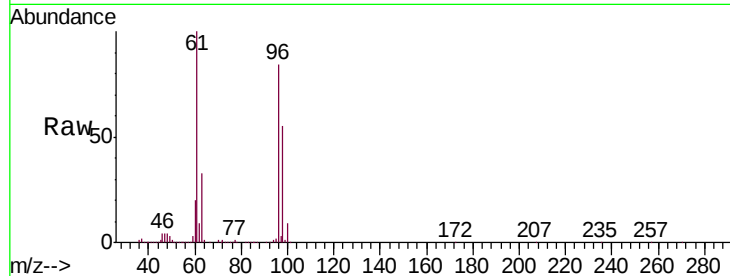


#22

cis-1,2-Dichloroethene
 Concen: 92.788 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013323.D
 Acq: 24 Oct 2019 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K09DL

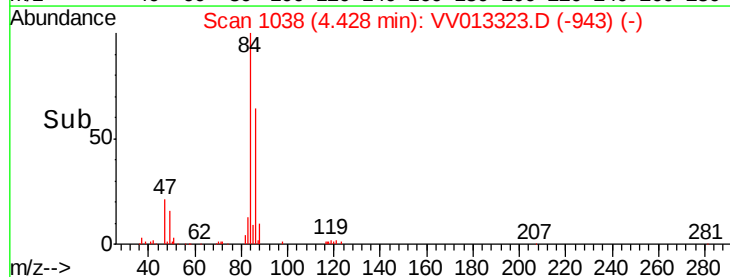
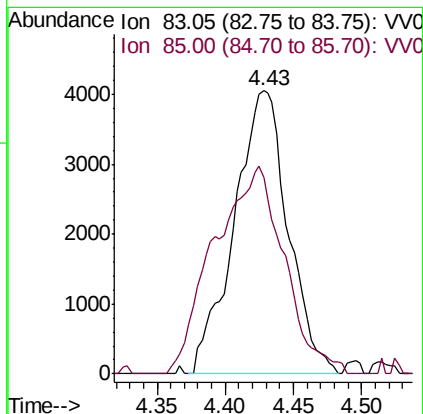
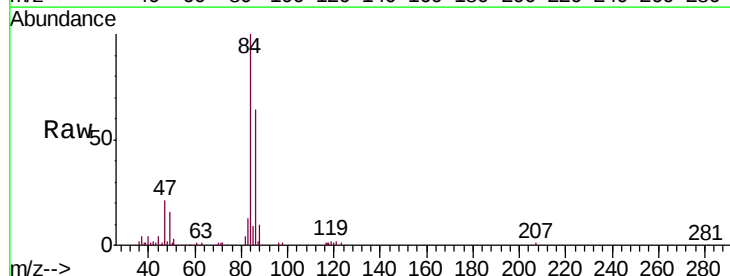
Tgt Ion: 96 Resp: 4006994
 Ion Ratio Lower Upper
 96 100
 61 119.6 77.3 143.7
 68 0.0 0.1 0.1#

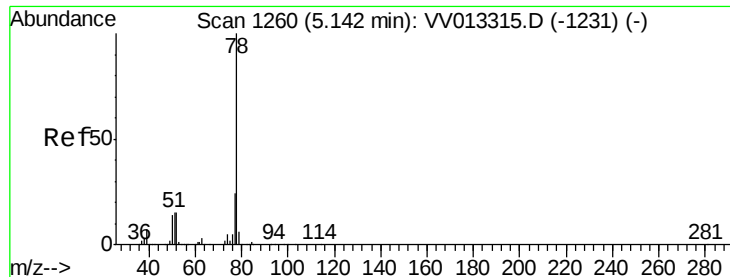


#25

Chloroform
 Concen: 0.130 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV013323.D
 Acq: 24 Oct 2019 21:21

Tgt Ion: 83 Resp: 11125
 Ion Ratio Lower Upper
 83 100
 85 69.6 45.7 84.9

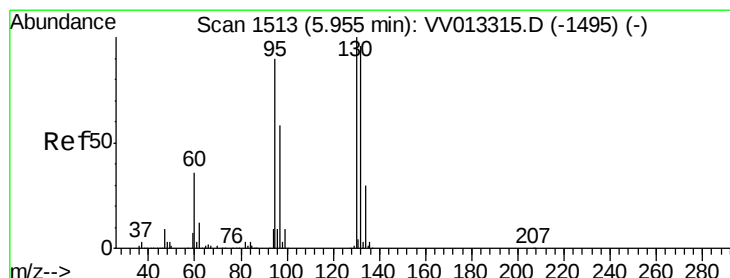
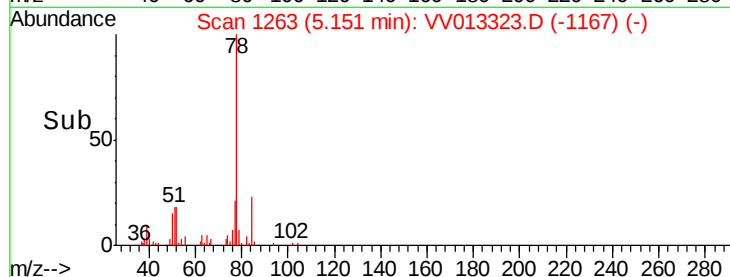
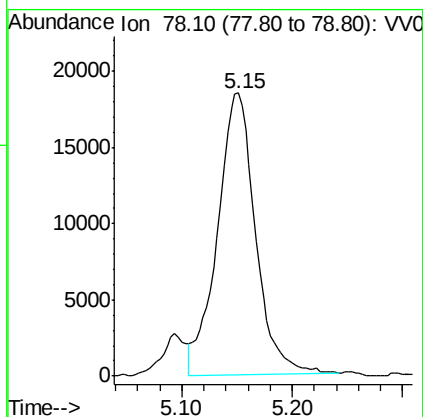
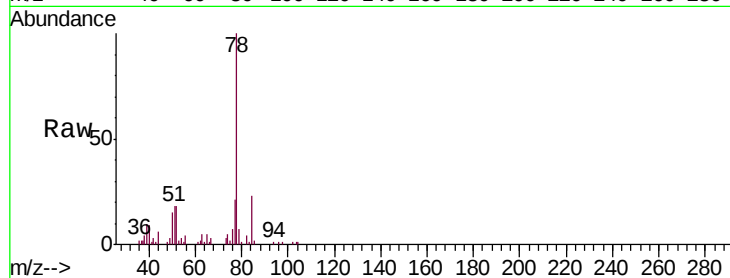




#33
Benzene
Concen: 0.247 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV013323.D
Acq: 24 Oct 2019 21:21

Tgt Ion: 78 Resp: 44154

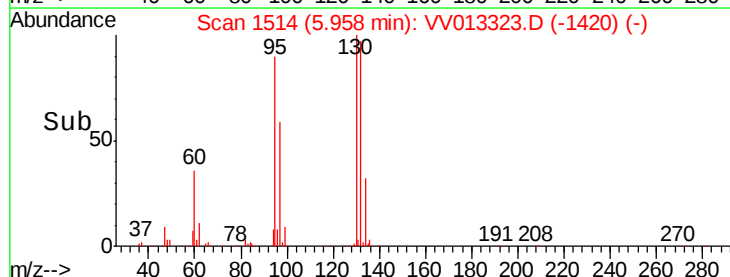
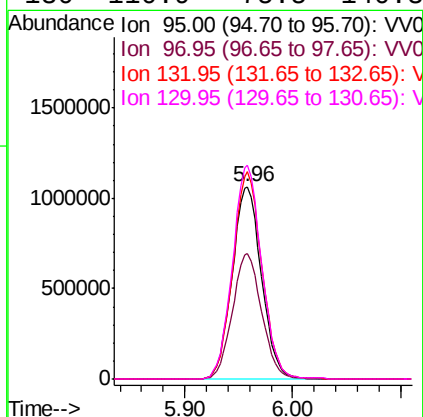
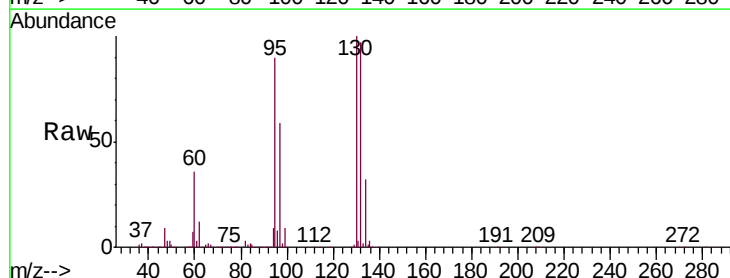
Instrument :
MSVOA_V
ClientSampleId :
C0K09DL

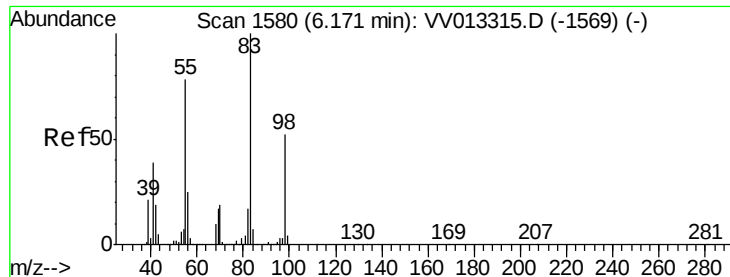


#34
Trichloroethene
Concen: 42.038 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV013323.D
Acq: 24 Oct 2019 21:21

Tgt Ion: 95 Resp: 2016538

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.2	84.0
132	107.5	70.6	131.2
130	110.9	75.5	140.3

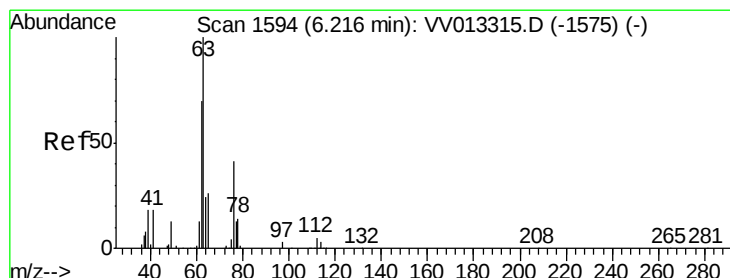
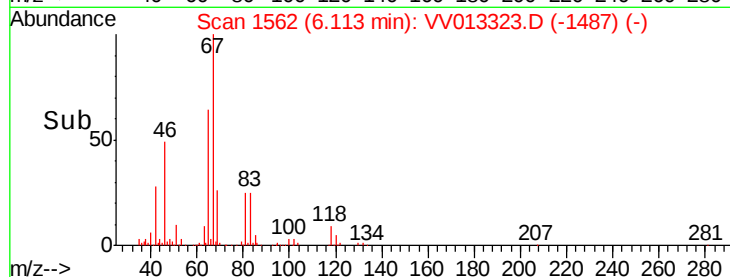
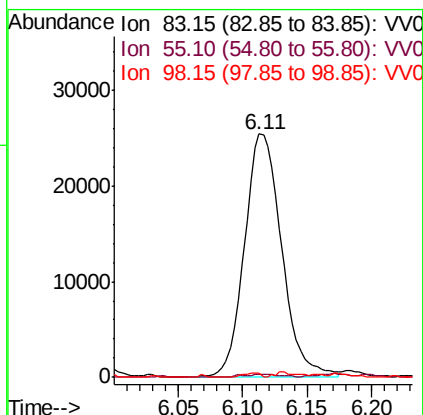
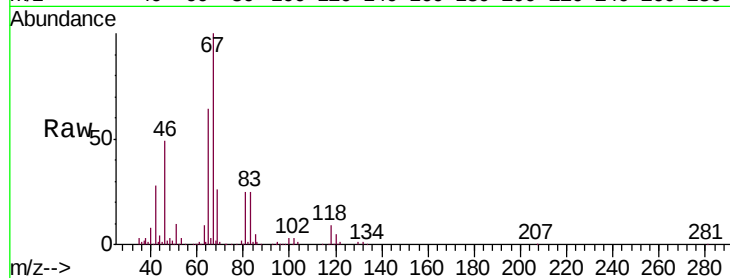




#35
Methylcyclohexane
Concen: 0.696 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013323.D
Acq: 24 Oct 2019 21:21

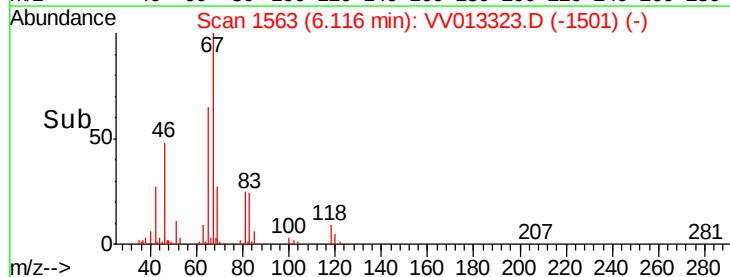
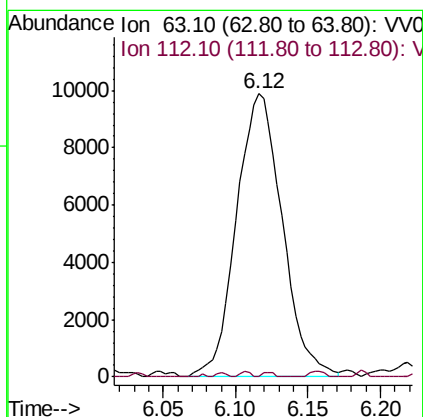
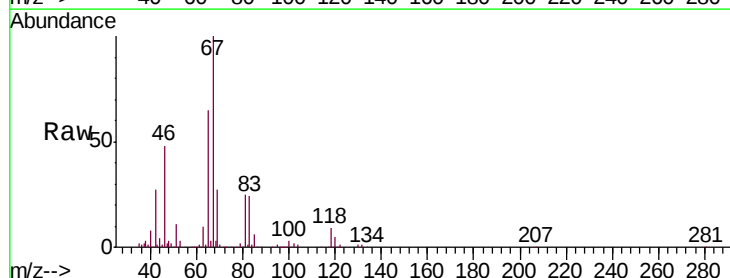
Instrument :
MSVOA_V
ClientSampleId :
C0K09DL

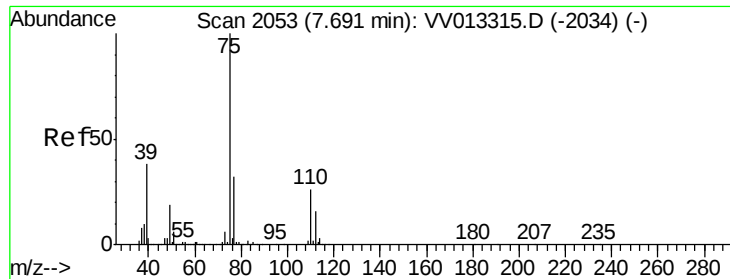
Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.0	62.4	93.6#
98	0.0	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.500 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013323.D
Acq: 24 Oct 2019 21:21

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	4.1	6.1#





#44

trans-1,3-Dichloropropene

Concen: 0.053 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV013323.D

Acq: 24 Oct 2019 21:21

Instrument :

MSVOA_V

ClientSampled :

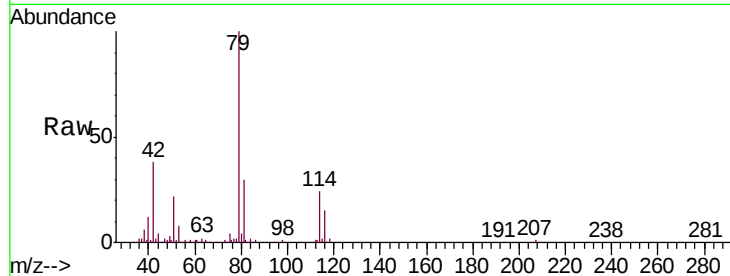
C0K09DL

Tgt Ion: 75 Resp: 2434

Ion Ratio Lower Upper

75 100

77 57.5 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV013315.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV013315.D (-2034) (-)

7.67

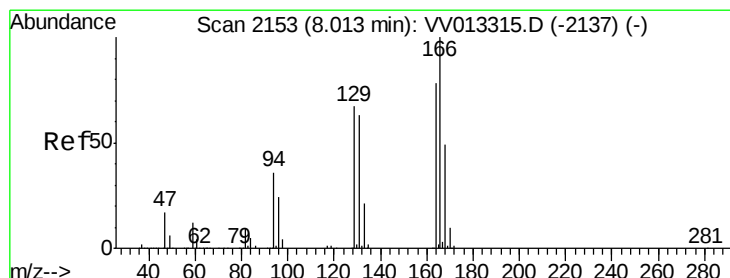
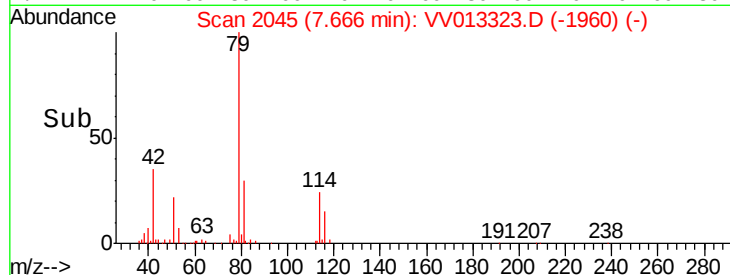
1500

1000

500

0

Time-->



#47

Tetrachloroethene

Concen: 1.068 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013323.D

Acq: 24 Oct 2019 21:21

Tgt Ion: 164 Resp: 46515

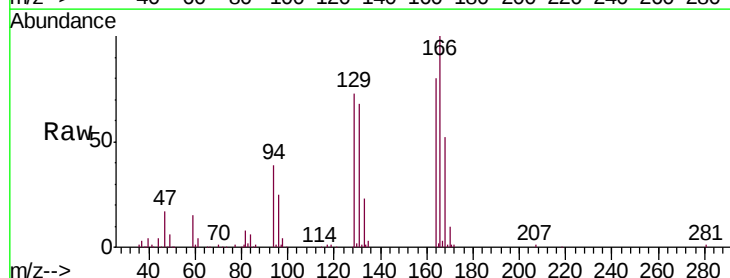
Ion Ratio Lower Upper

164 100

129 90.4 61.0 113.2

131 84.0 57.5 106.9

166 124.4 87.8 163.0



Abundance Ion 163.90 (163.60 to 164.60): VV013315.D (-2137) (-)

Ion 128.95 (128.65 to 129.65): VV013315.D (-2137) (-)

Ion 130.95 (130.65 to 131.65): VV013315.D (-2137) (-)

Ion 165.90 (165.60 to 166.60): VV013315.D (-2137) (-)

50000

40000

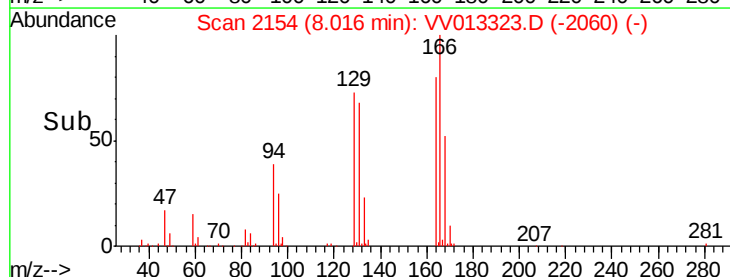
30000

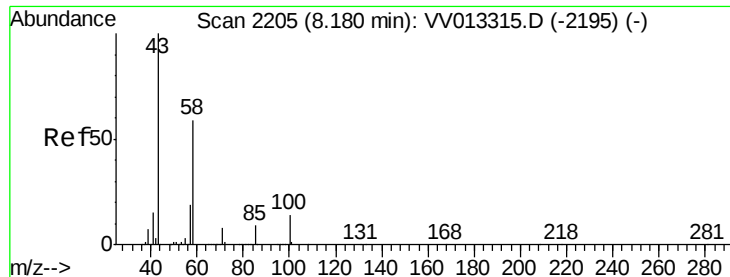
20000

10000

0

Time-->

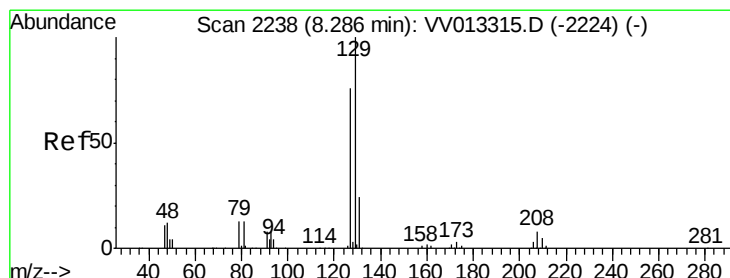
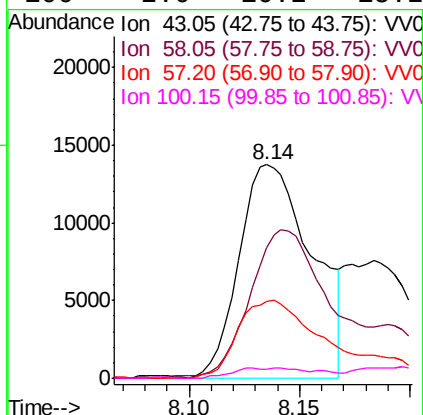
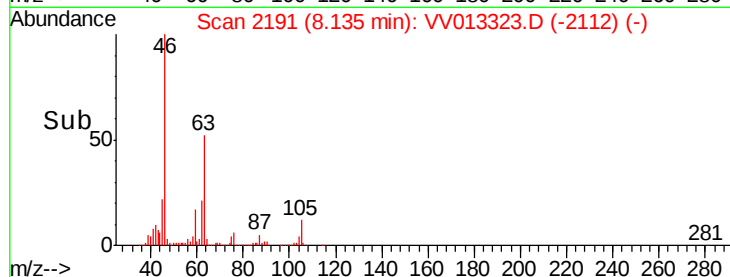
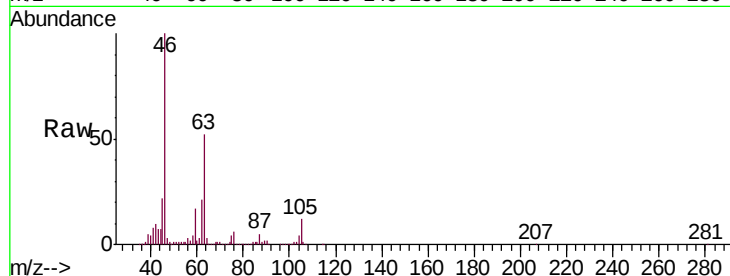




#48
2-Hexanone
Concen: 1.999 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013323.D
Acq: 24 Oct 2019 21:21

Instrument :
MSVOA_V
ClientSampleId :
C0K09DL

Tgt Ion: 43 Resp: 31677
Ion Ratio Lower Upper
43 100
58 71.9 45.1 67.7#
57 47.7 15.5 23.3#
100 2.0 10.2 15.2#



#49
Dibromochloromethane
Concen: 1.029 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013323.D
Acq: 24 Oct 2019 21:21

Tgt Ion: 129 Resp: 39284
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

