

Data File : VV013266.D
Acq On : 22 Oct 2019 00:58
Operator : SY/MD
Sample : K5457-08
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K13

Quant Time: Oct 22 03:57:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 03:42:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	414513	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	455707	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	220346	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	158231	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	143333	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.60%
11) 1,1-Dichloroethene-d2	2.14	63	753690	13.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	277.20%#
20) 2-Butanone-d5	3.97	46	456459	77.78	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	155.56%#
24) Chloroform-d	4.40	84	373460	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.08	65	184131	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.09	84	716426	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.12	67	230290	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.36	98	572418	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.66	79	52368	3.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.40%
46) 2-Hexanone-d5	8.13	63	278944	46.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	167353	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	229991	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5946	0.150 ug/L	90
9) Trichlorofluoromethane	1.77	101	6444	0.111 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4943	0.145 ug/L #	22
12) 1,1-Dichloroethene	2.14	96	1224191	37.564 ug/L #	80
16) Methylene chloride	2.53	84	8493	0.173 ug/L	84
17) Methyl tert-butyl Ether	2.81	73	11961	0.158 ug/L #	92
18) trans-1,2-Dichloroethene	2.79	96	5600	0.146 ug/L	97
19) 1,1-Dichloroethane	3.23	63	96399	1.544 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	239340	5.820 ug/L #	90
25) Chloroform	4.42	83	41648	0.512 ug/L	96
27) 1,2-Dichloroethane	5.18	62	4588	0.106 ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	88041	1.307 ug/L	99
31) Carbon tetrachloride	4.66	117	11913	0.197 ug/L	97
34) Trichloroethene	5.95	95	257556	5.516 ug/L	98
35) Methylcyclohexane	6.12	83	56620	0.788 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	24715	0.585 ug/L #	87
38) Bromodichloromethane	6.56	83	6033	0.110 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102119\
Quantitation Report (Not Reviewed)

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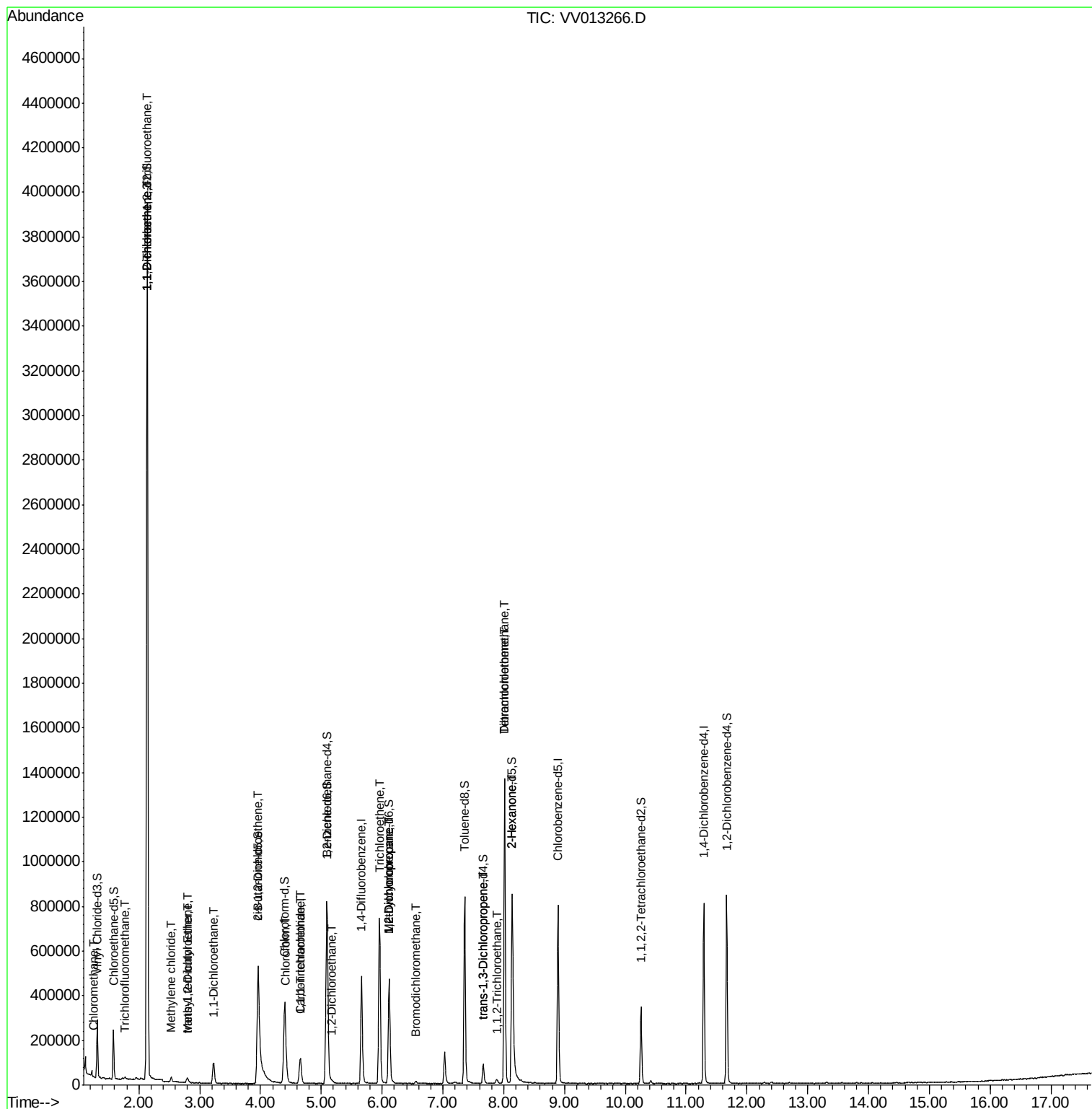
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.66	75	2313	0.051	ug/L	84
45) 1,1,2-Trichloroethane	7.88	97	6395	0.217	ug/L	98
47) Tetrachloroethene	8.02	164	322976	7.617	ug/L	96
48) 2-Hexanone	8.14	43	52428	3.399	ug/L #	89
49) Dibromochloromethane	8.02	129	275090	7.402	ug/L #	11

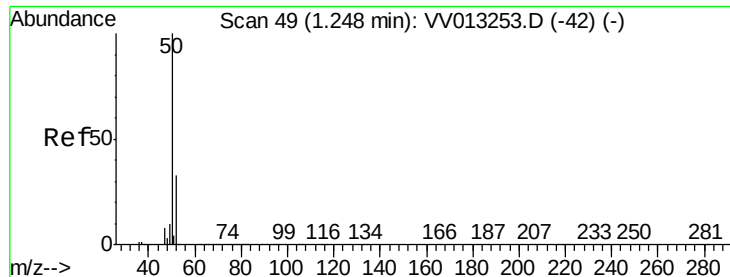
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.150 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013266.D

Acq: 22 Oct 2019 00:58

Instrument :

MSVOA_V

ClientSampleId :

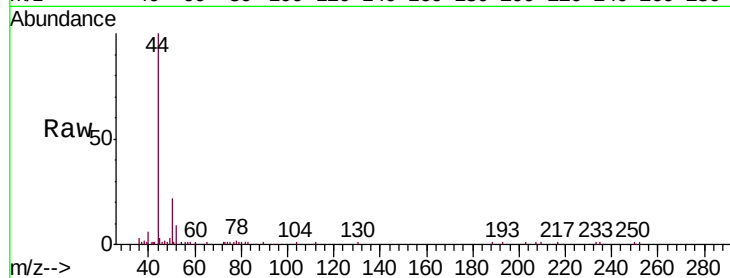
C0K13

Tgt Ion: 50 Resp: 5946

Ion Ratio Lower Upper

50 100

52 38.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV013253.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV013253.D (-42) (-)

1.25

6000

5000

4000

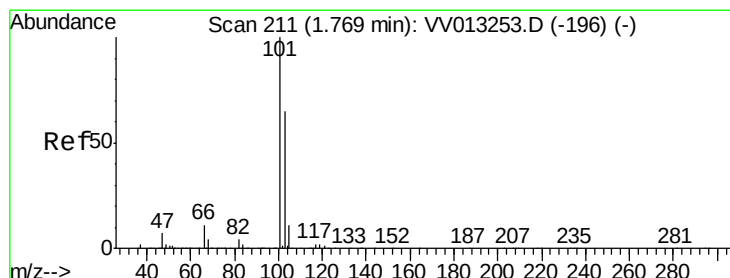
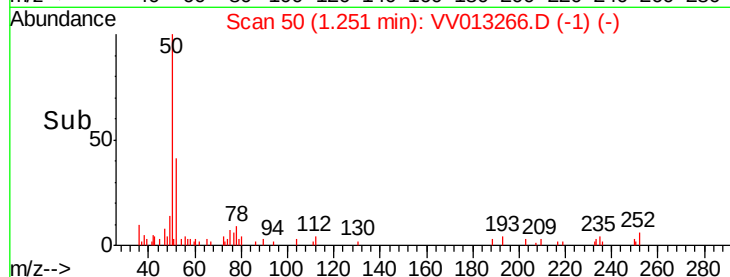
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.111 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013266.D

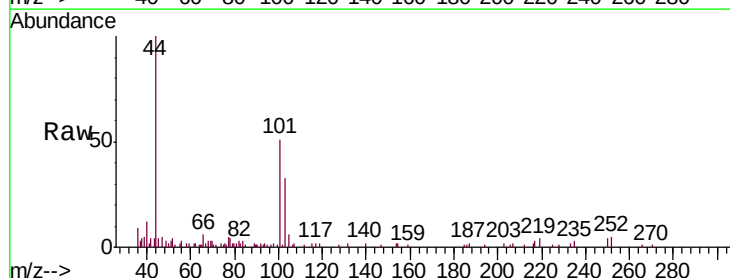
Acq: 22 Oct 2019 00:58

Tgt Ion: 101 Resp: 6444

Ion Ratio Lower Upper

101 100

103 63.2 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VV013253.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV013253.D (-196) (-)

1.77

5000

4000

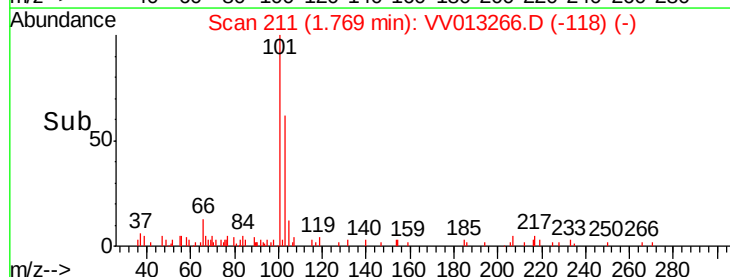
3000

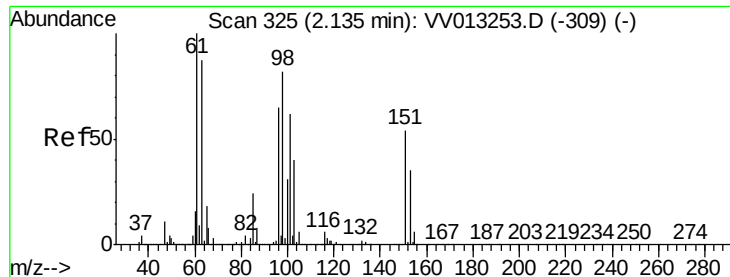
2000

1000

0

Time-->





#10

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

Concen: 0.145 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013266.D

Acq: 22 Oct 2019 00:58

Instrument :

MSVOA_V

ClientSampleId :

C0K13

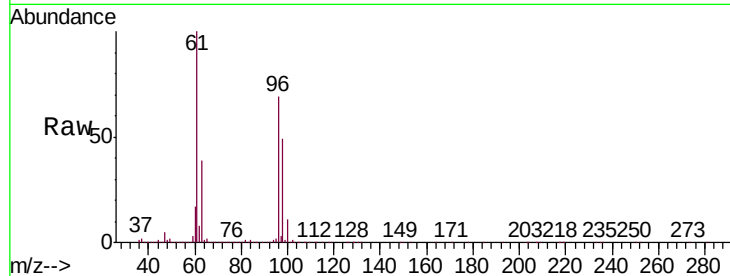
Tgt Ion: 101 Resp: 4943

Ion Ratio Lower Upper

101 100

85 16.1 31.8 47.8#

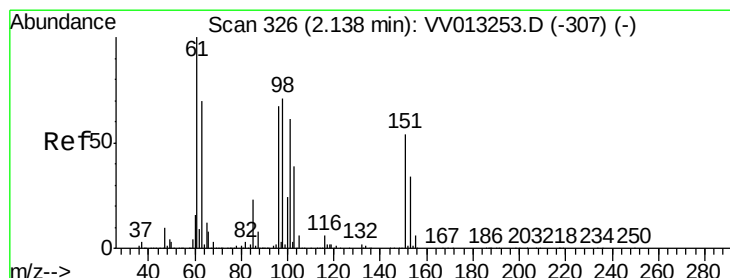
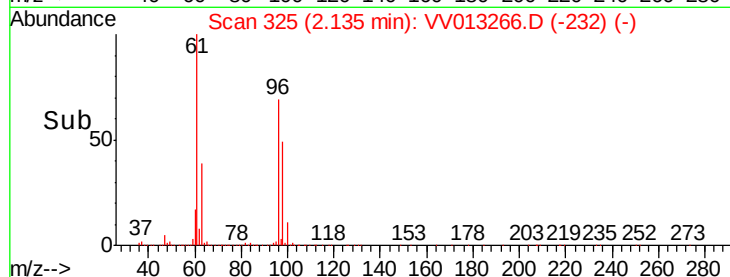
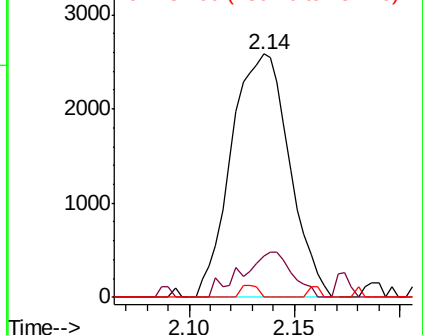
151 1.4 72.9 109.3#



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: 37.564 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013266.D

Acq: 22 Oct 2019 00:58

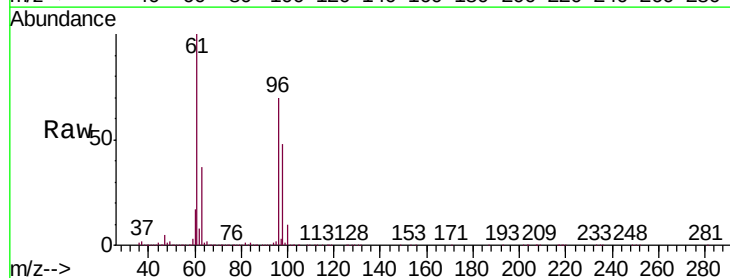
Tgt Ion: 96 Resp: 1224191

Ion Ratio Lower Upper

96 100

61 143.2 104.0 193.1

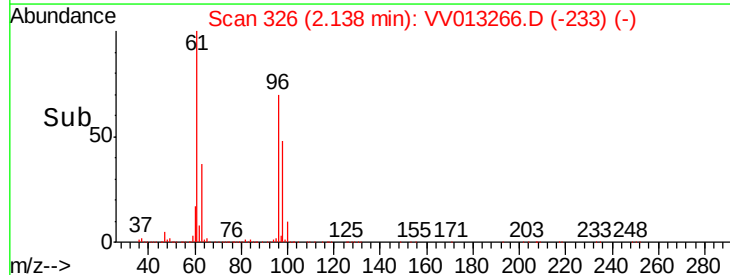
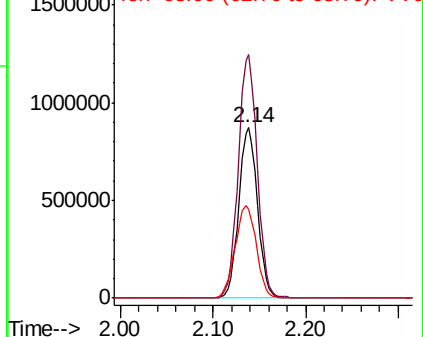
63 52.5 67.1 124.5#

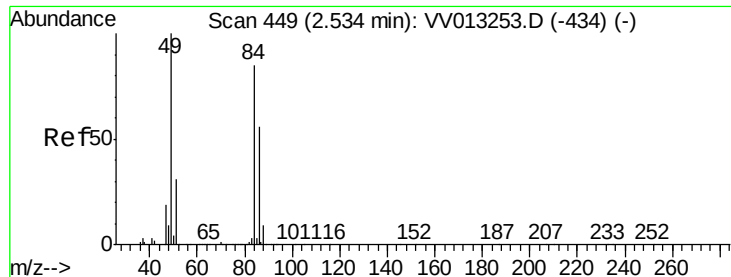


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

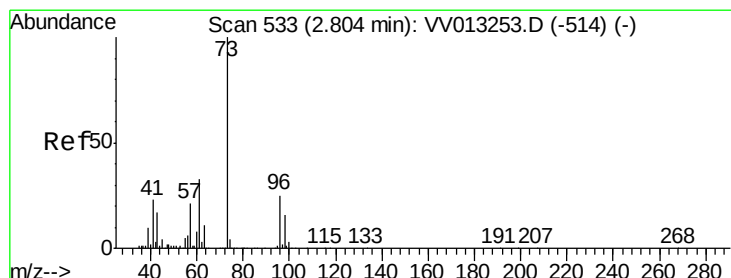
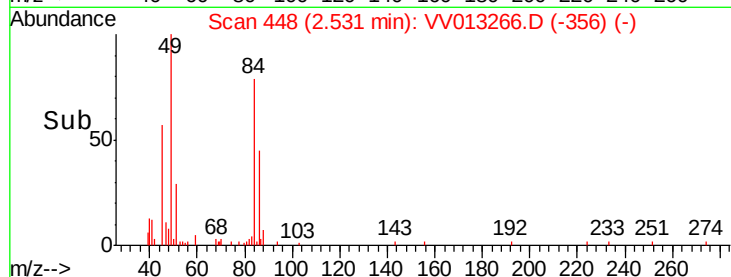
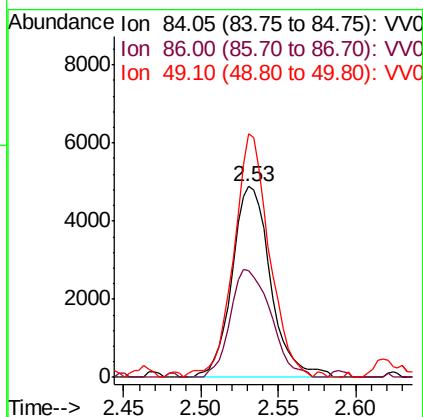
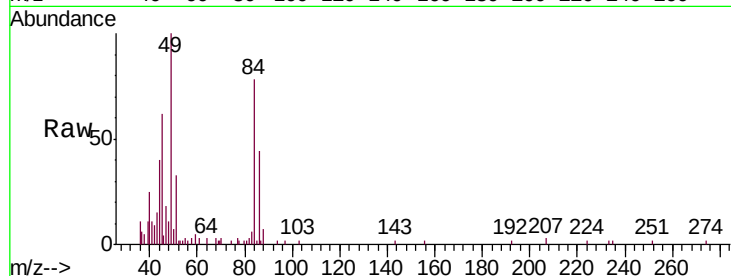




#16
Methylene chloride
Concen: 0.173 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

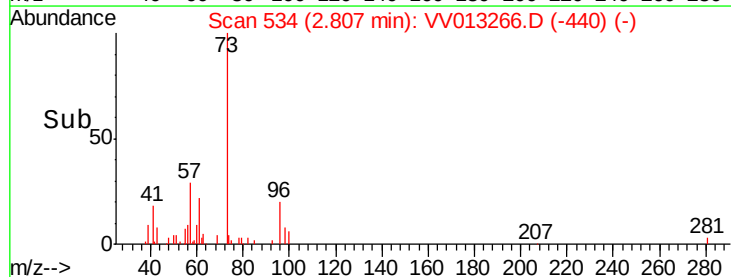
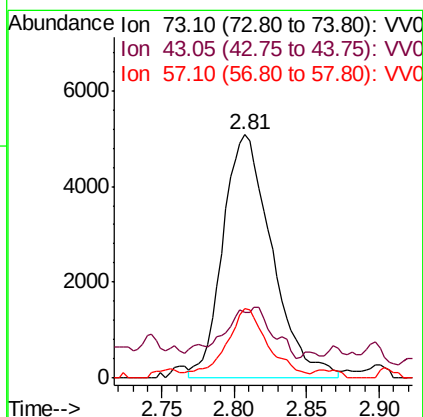
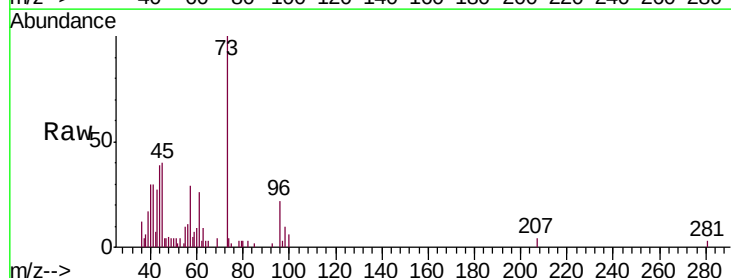
Instrument :
MSVOA_V
ClientSampled :
C0K13

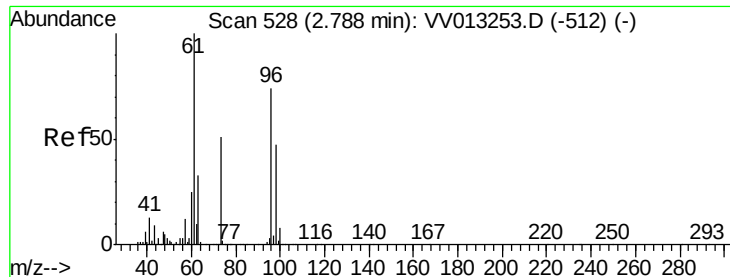
Tgt Ion: 84 Resp: 8493
Ion Ratio Lower Upper
84 100
86 56.0 46.2 85.8
49 127.6 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 0.158 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

Tgt Ion: 73 Resp: 11961
Ion Ratio Lower Upper
73 100
43 18.9 13.1 19.7
57 24.9 16.4 24.6#

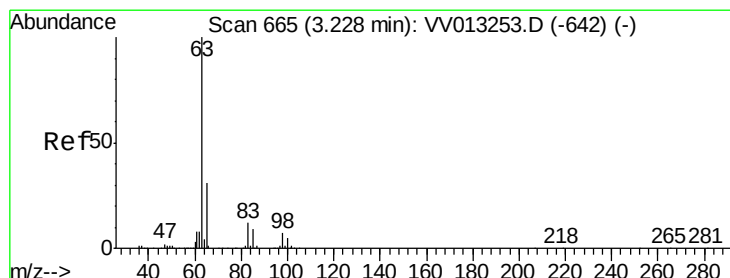
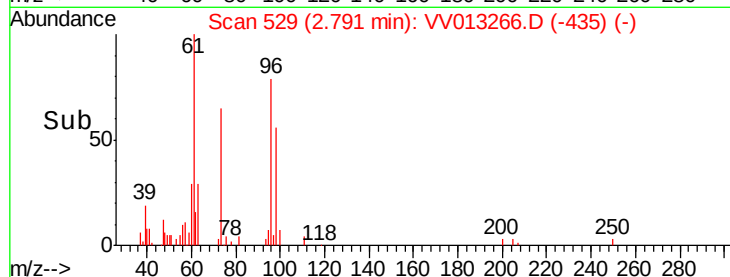
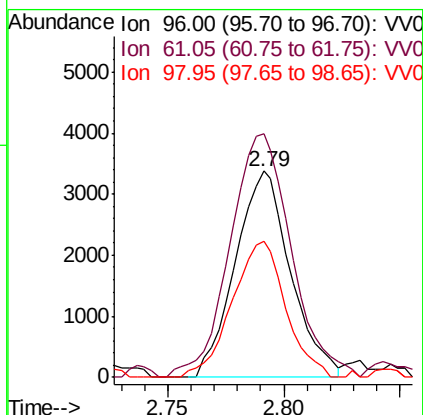
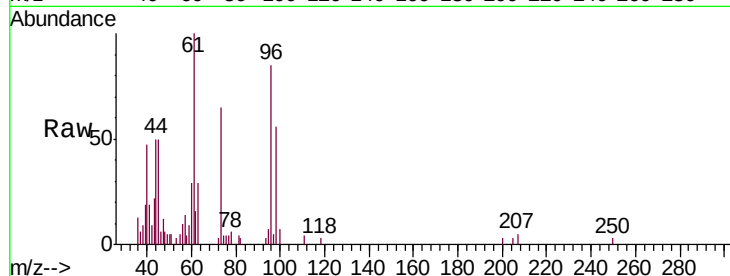




#18
trans-1,2-Dichloroethene
Concen: 0.146 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

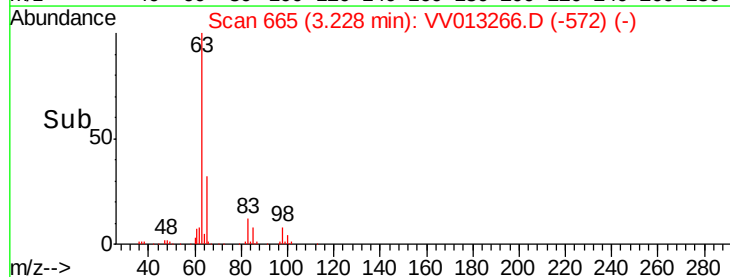
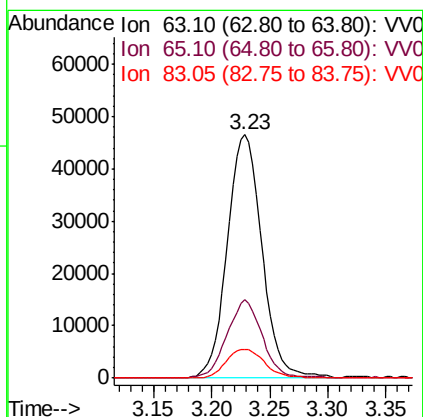
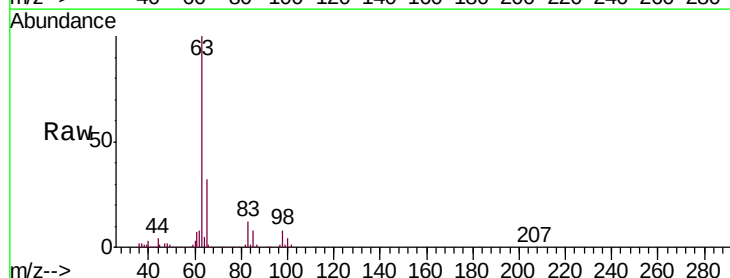
Instrument :
MSVOA_V
ClientSampled :
C0K13

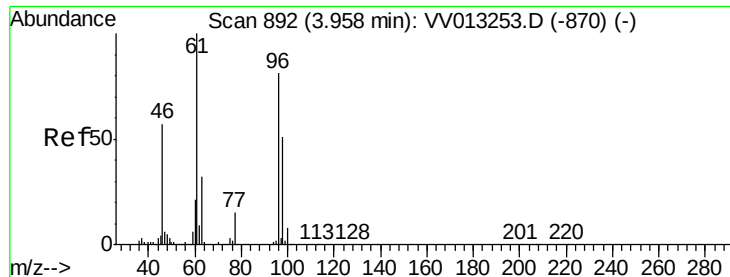
Tgt Ion: 96 Resp: 5600
Ion Ratio Lower Upper
96 100
61 118.2 84.4 156.8
98 66.1 44.4 82.4



#19
1,1-Dichloroethane
Concen: 1.544 ug/L
RT: 3.23 min Scan# 665
Delta R.T. -0.00 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

Tgt Ion: 63 Resp: 96399
Ion Ratio Lower Upper
63 100
65 32.0 23.0 42.8
83 12.0 10.2 19.0



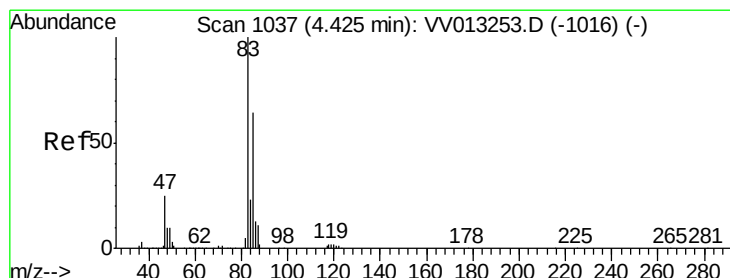
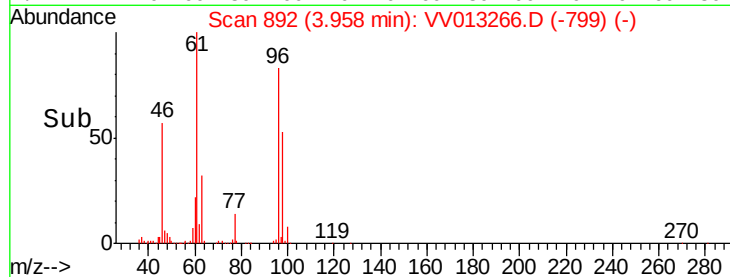
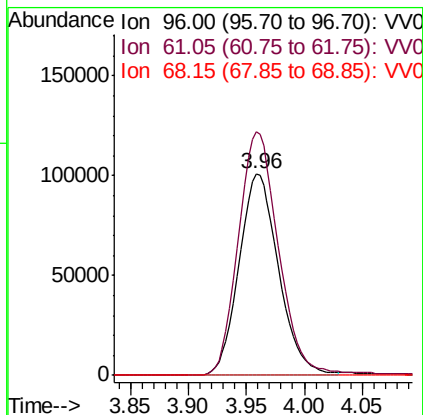
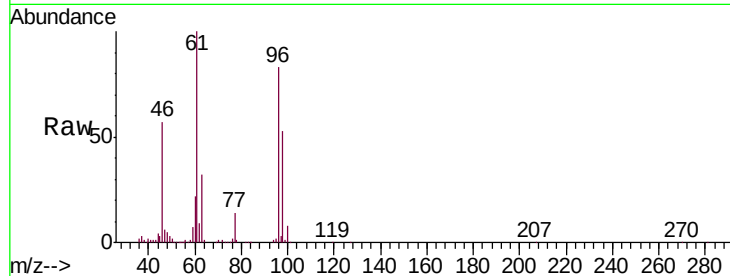


#22

cis-1,2-Dichloroethene
 Concen: 5.820 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013266.D
 Acq: 22 Oct 2019 00:58

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K13

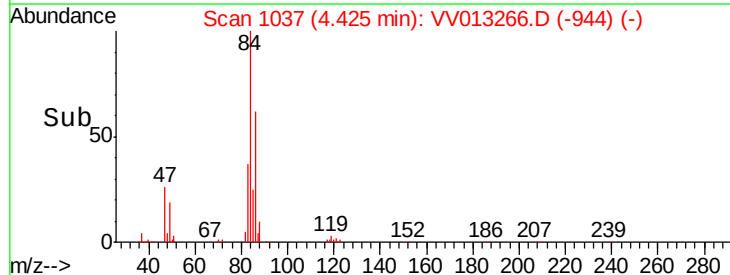
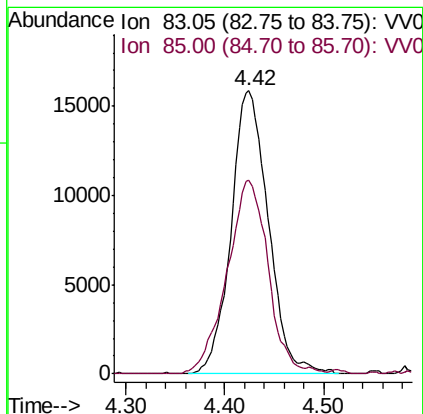
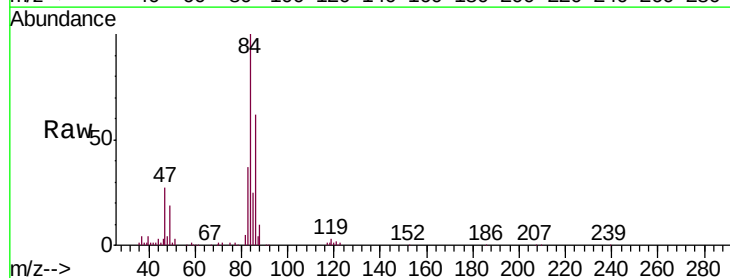
Tgt Ion: 96 Resp: 239340
 Ion Ratio Lower Upper
 96 100
 61 120.9 77.3 143.7
 68 0.0 0.1 0.1#

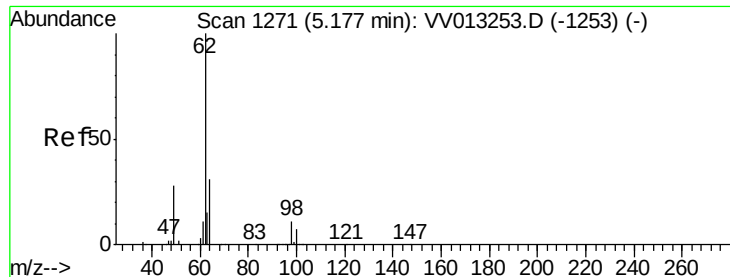


#25

Chloroform
 Concen: 0.512 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV013266.D
 Acq: 22 Oct 2019 00:58

Tgt Ion: 83 Resp: 41648
 Ion Ratio Lower Upper
 83 100
 85 68.2 45.7 84.9

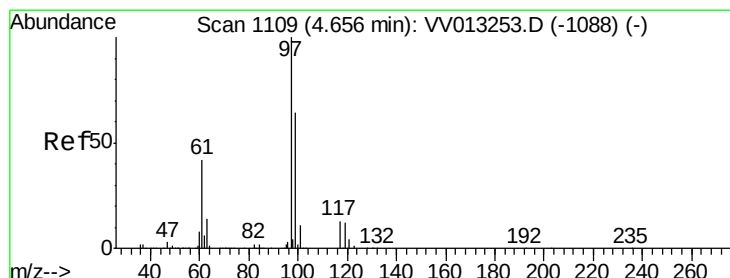
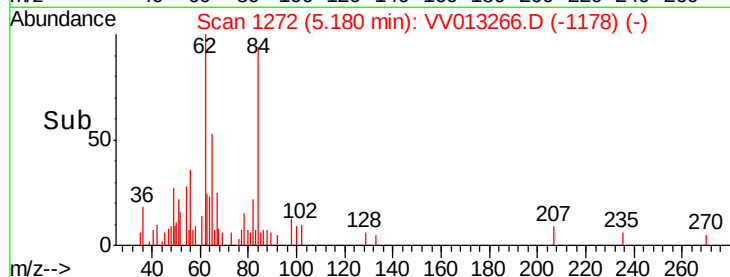
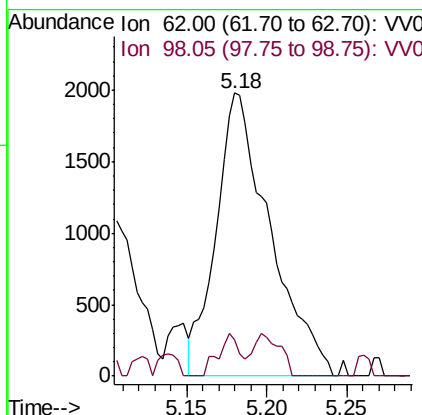
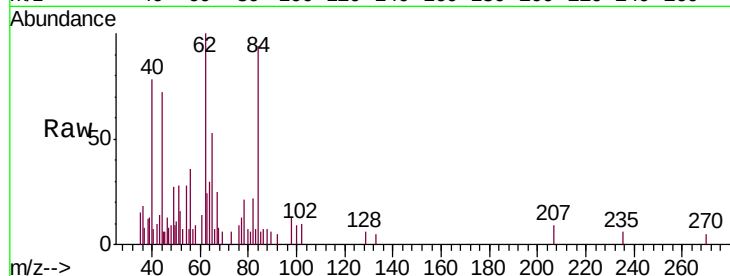




#27
 1,2-Dichloroethane
 Concen: 0.106 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV013266.D
 Acq: 22 Oct 2019 00:58

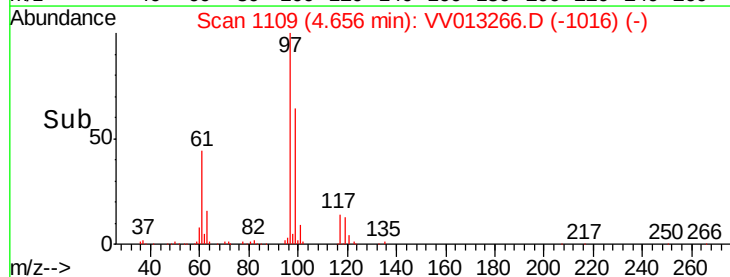
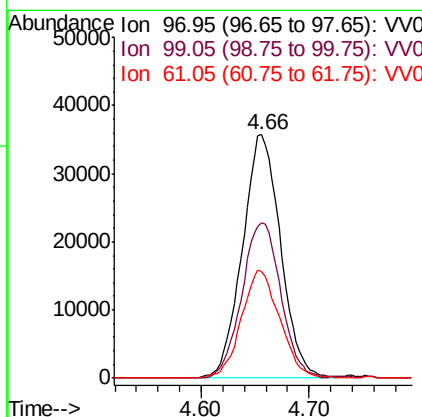
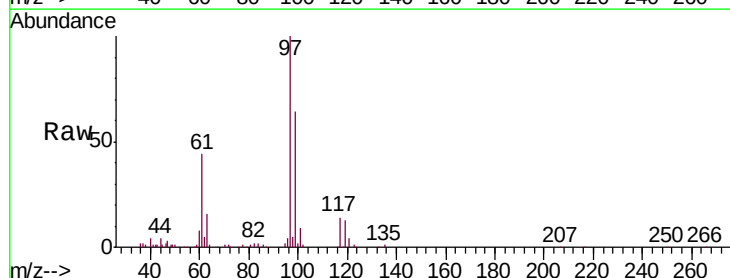
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K13

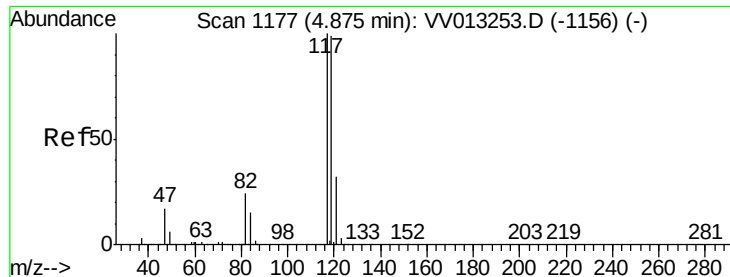
Tgt Ion: 62 Resp: 4588
 Ion Ratio Lower Upper
 62 100
 98 12.9 8.3 12.5#



#29
 1,1,1-Trichloroethane
 Concen: 1.307 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV013266.D
 Acq: 22 Oct 2019 00:58

Tgt Ion: 97 Resp: 88041
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.7 77.5
 61 44.5 34.3 51.5





#31

Carbon tetrachloride

Concen: 0.197 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.22 min

Lab File: VV013266.D

Acq: 22 Oct 2019 00:58

Instrument :

MSVOA_V

ClientSampled :

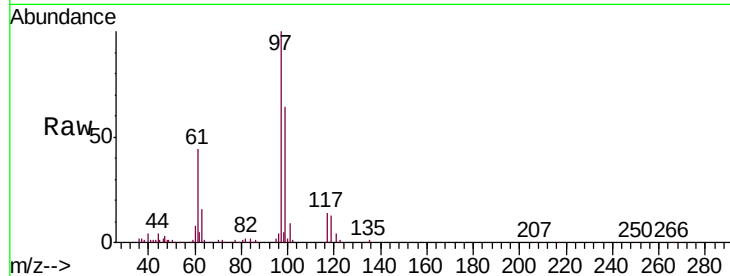
C0K13

Tgt Ion:117 Resp: 11913

Ion Ratio Lower Upper

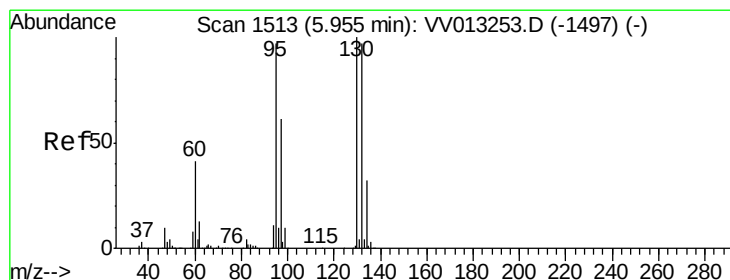
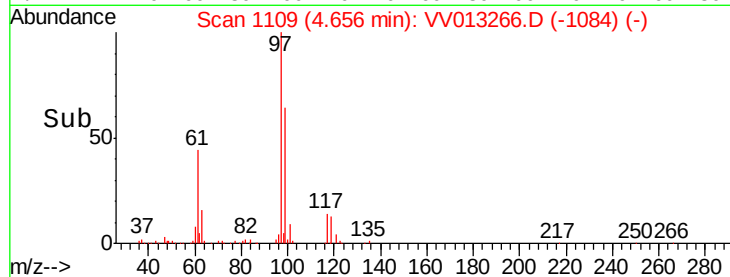
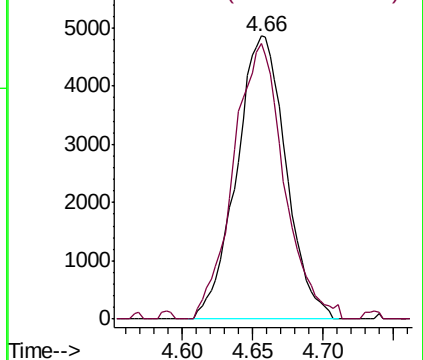
117 100

119 99.7 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 5.516 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013266.D

Acq: 22 Oct 2019 00:58

Tgt Ion: 95 Resp: 257556

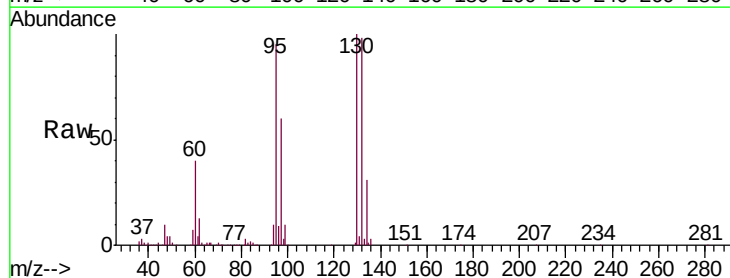
Ion Ratio Lower Upper

95 100

97 63.0 45.2 84.0

132 104.2 70.6 131.2

130 105.8 75.5 140.3

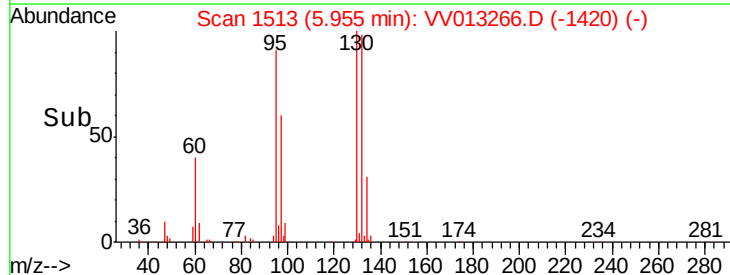
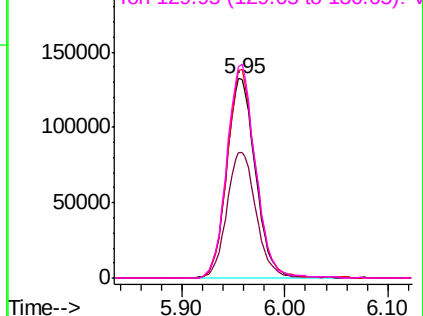


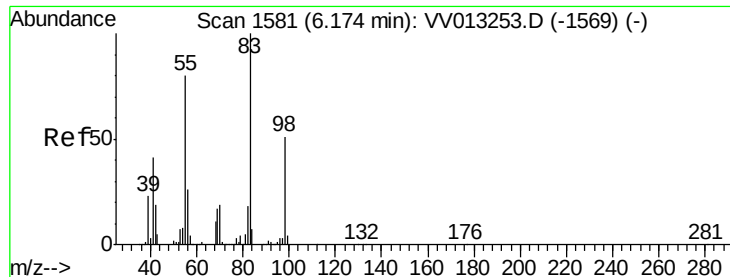
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

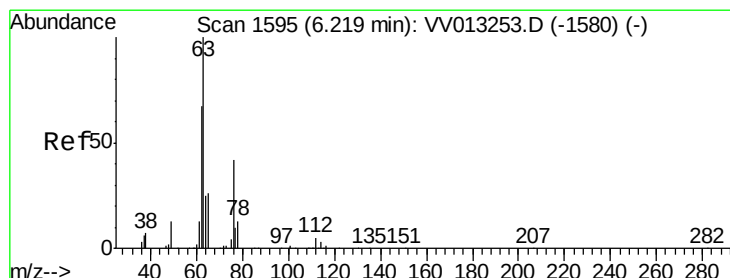
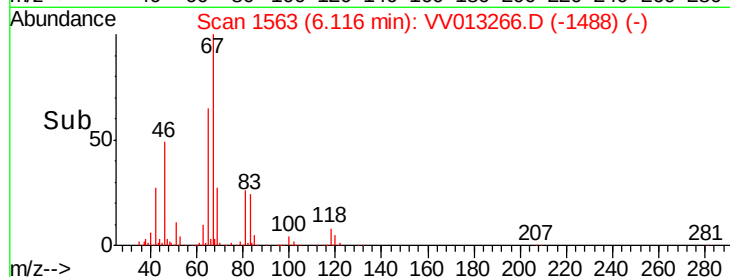
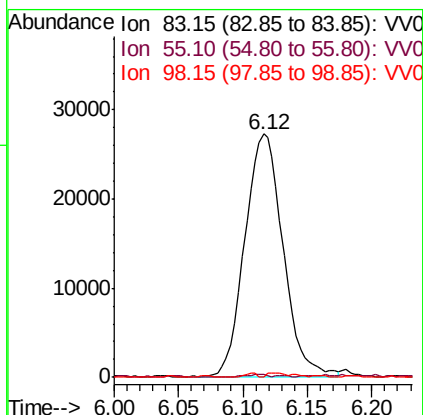
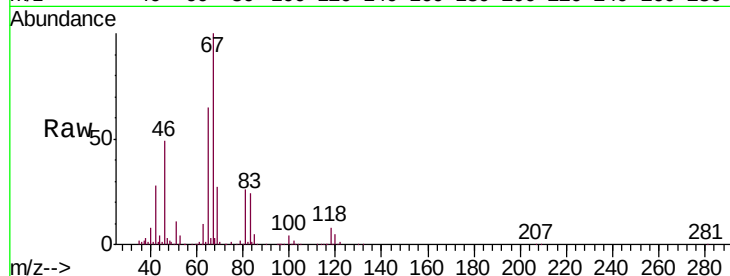




#35
Methylcyclohexane
Concen: 0.788 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

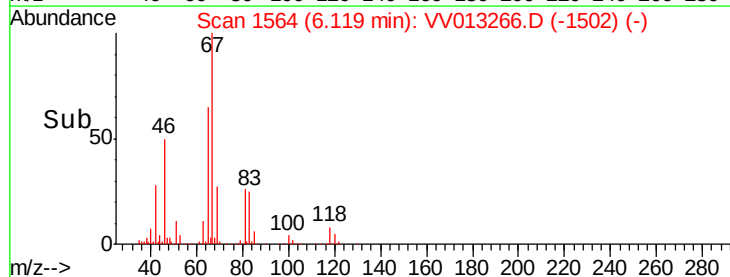
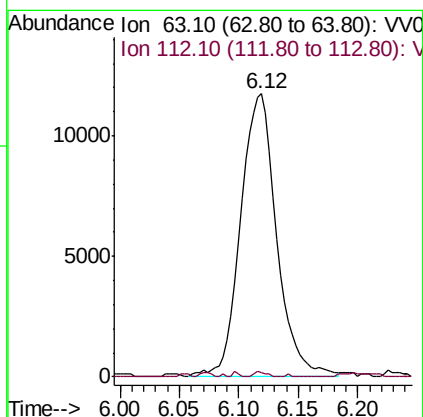
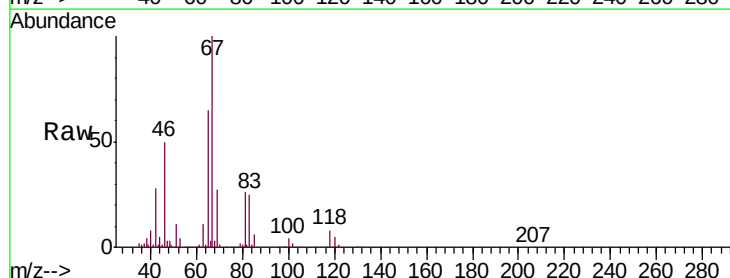
Instrument :
MSVOA_V
ClientSampleId :
C0K13

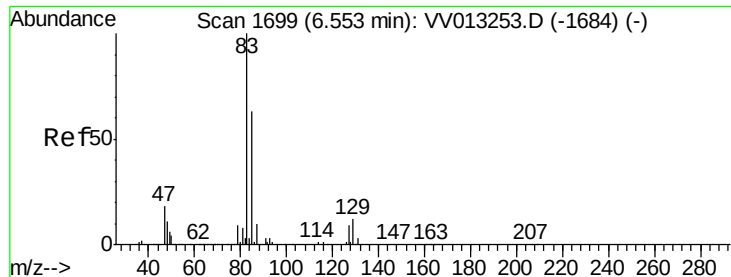
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.7	62.4	93.6#
98	0.5	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.585 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.6	4.1	6.1#





#38

Bromodichloromethane

Concen: 0.110 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VV013266.D

Acq: 22 Oct 2019 00:58

Instrument :

MSVOA_V

ClientSampleId :

C0K13

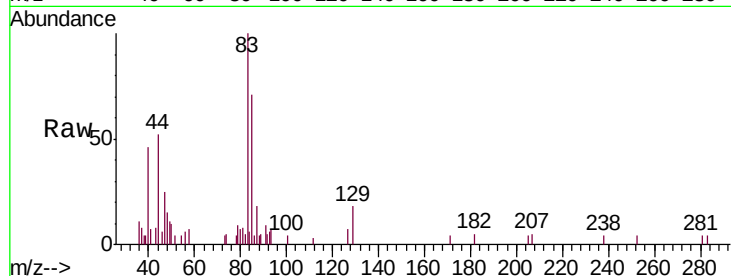
Tgt Ion: 83 Resp: 6033

Ion Ratio Lower Upper

83 100

85 70.6 44.4 82.5

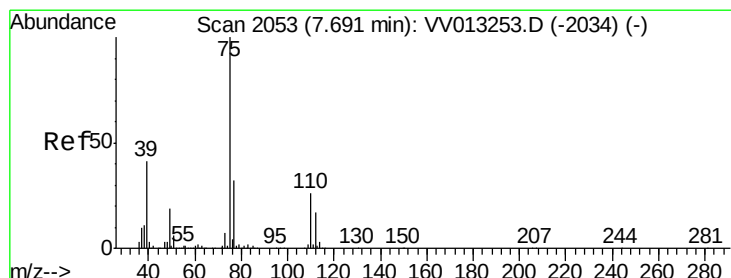
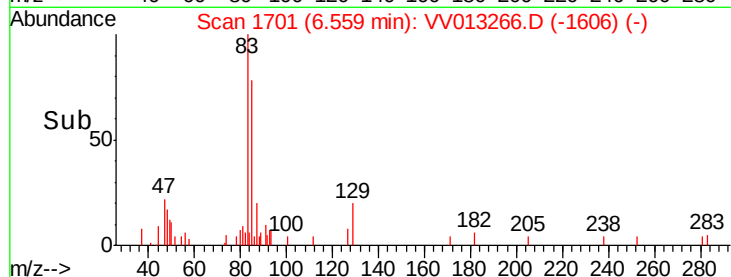
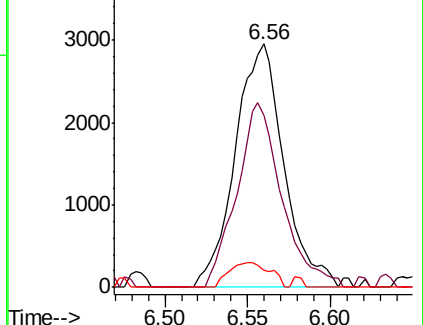
127 7.2 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV013266.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV013266.D (-1606) (-)

Ion 126.90 (126.60 to 127.60): VV013266.D (-1606) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013266.D

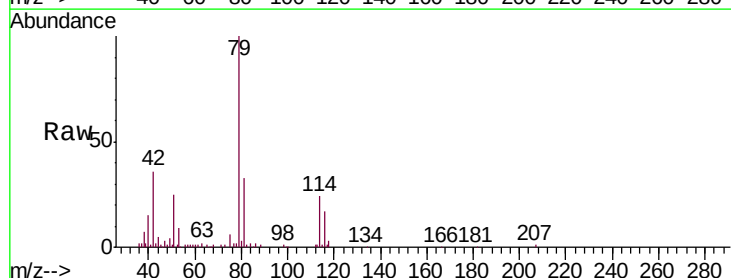
Acq: 22 Oct 2019 00:58

Tgt Ion: 75 Resp: 2313

Ion Ratio Lower Upper

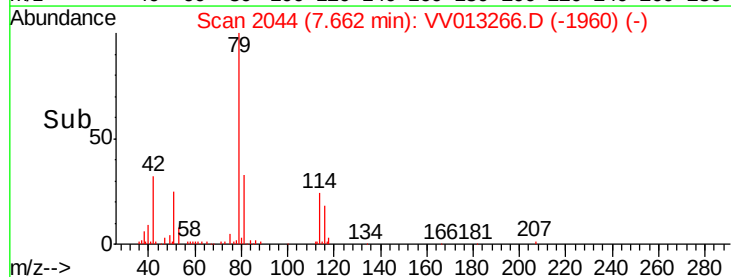
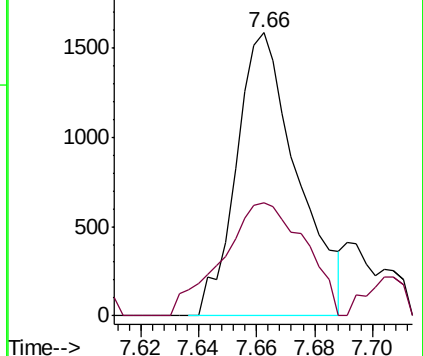
75 100

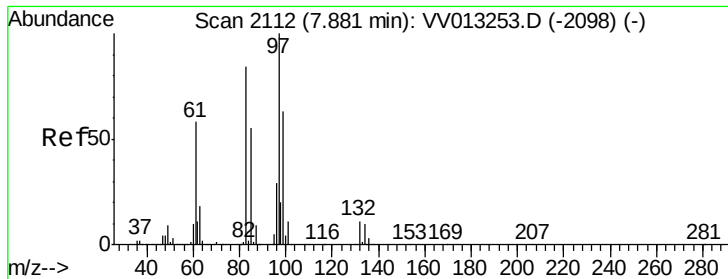
77 40.1 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV013266.D (-1960) (-)

Ion 77.05 (76.75 to 77.75): VV013266.D (-1960) (-)

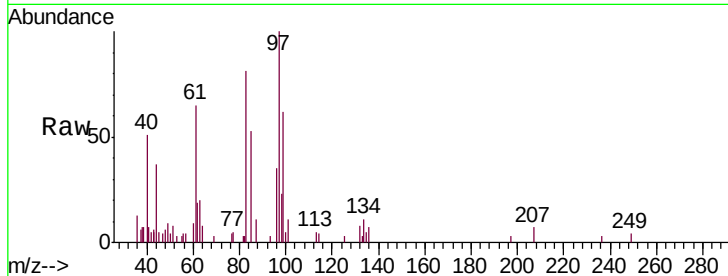




#45
 1,1,2-Trichloroethane
 Concen: 0.217 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV013266.D
 Acq: 22 Oct 2019 00:58

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K13

Tgt Ion:	97	Resp:	6395
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.2	78.4
83	81.4	58.4	108.4
85	52.9	37.0	68.6



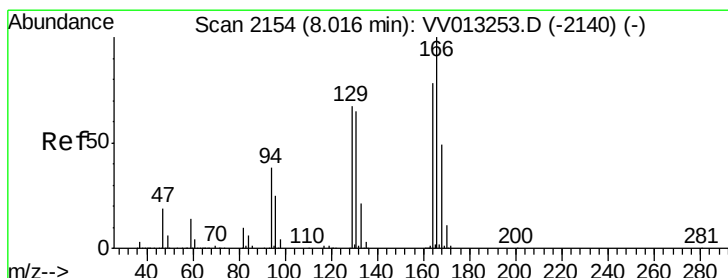
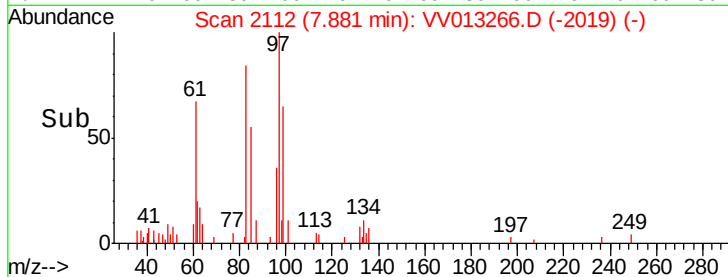
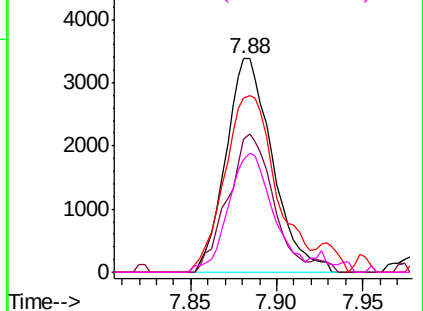
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

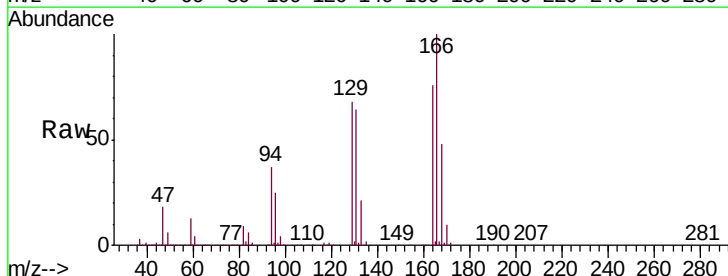
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 7.617 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013266.D
 Acq: 22 Oct 2019 00:58

Tgt Ion:	164	Resp:	322976
Ion	Ratio	Lower	Upper
164	100		
129	89.7	61.0	113.2
131	84.0	57.5	106.9
166	131.7	87.8	163.0



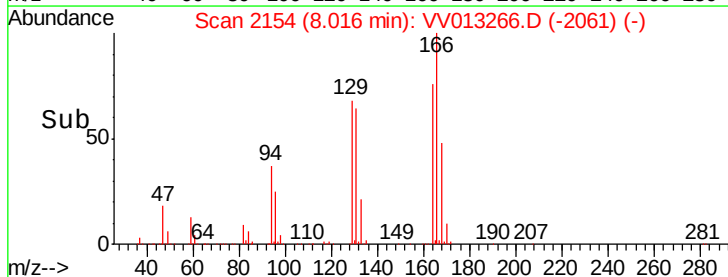
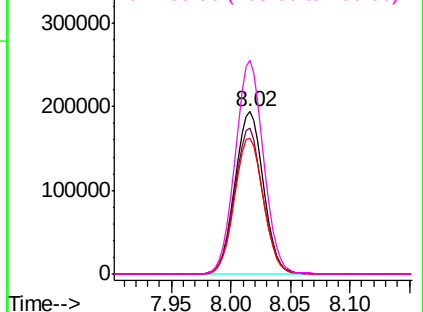
Abundance

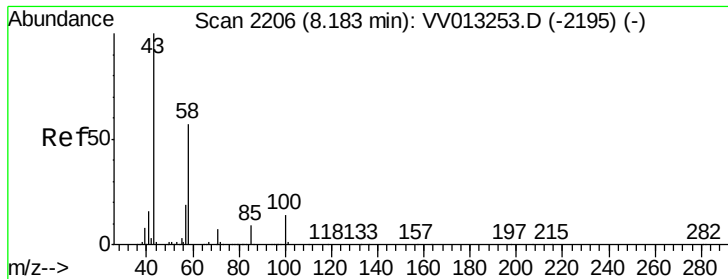
Ion 163.90 (163.60 to 164.60): V

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

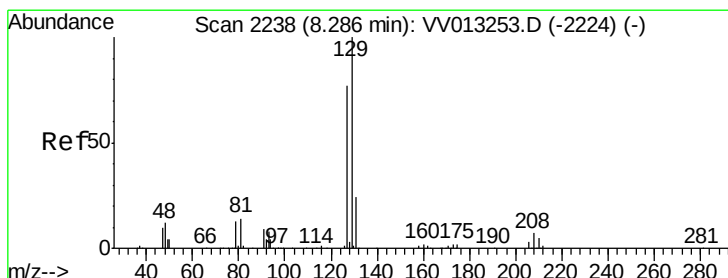
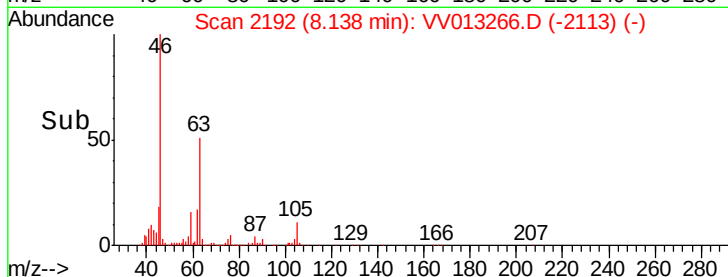
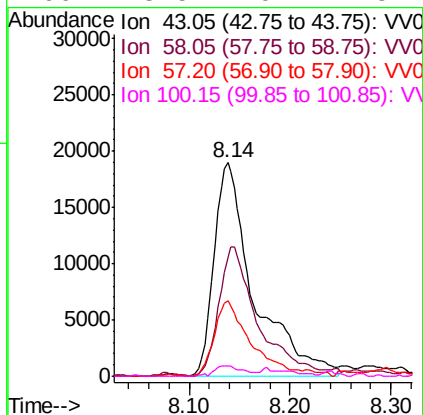
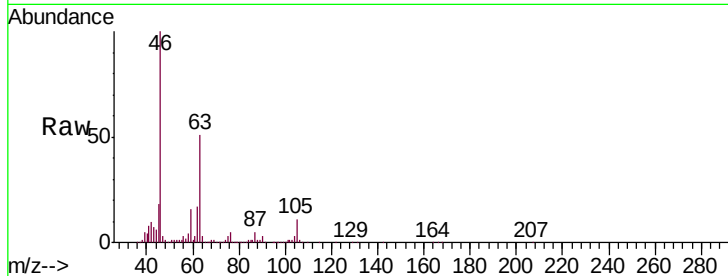




#48
2-Hexanone
Concen: 3.399 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

Instrument :
MSVOA_V
ClientSampleId :
C0K13

Tgt Ion: 43 Resp: 52428
Ion Ratio Lower Upper
43 100
58 58.6 45.1 67.7
57 32.0 15.5 23.3#
100 3.5 10.2 15.2#



#49
Dibromochloromethane
Concen: 7.402 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013266.D
Acq: 22 Oct 2019 00:58

Tgt Ion: 129 Resp: 275090
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

