

Data File : VV013344.D
Acq On : 25 Oct 2019 14:35
Operator : SY/MD
Sample : K5457-06
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K11

Quant Time: Oct 26 01:01:01 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	444588	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	479721	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	251732	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	196630	6.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.00%
7) Chloroethane-d5	1.58	69	156881	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	2.13	63	236496	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	3.96	46	392375	62.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.66%
24) Chloroform-d	4.40	84	362686	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	181208	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	811632	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.12	67	236228	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	704734	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.66	79	79800	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.14	63	261583	41.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	155819	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	274268	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

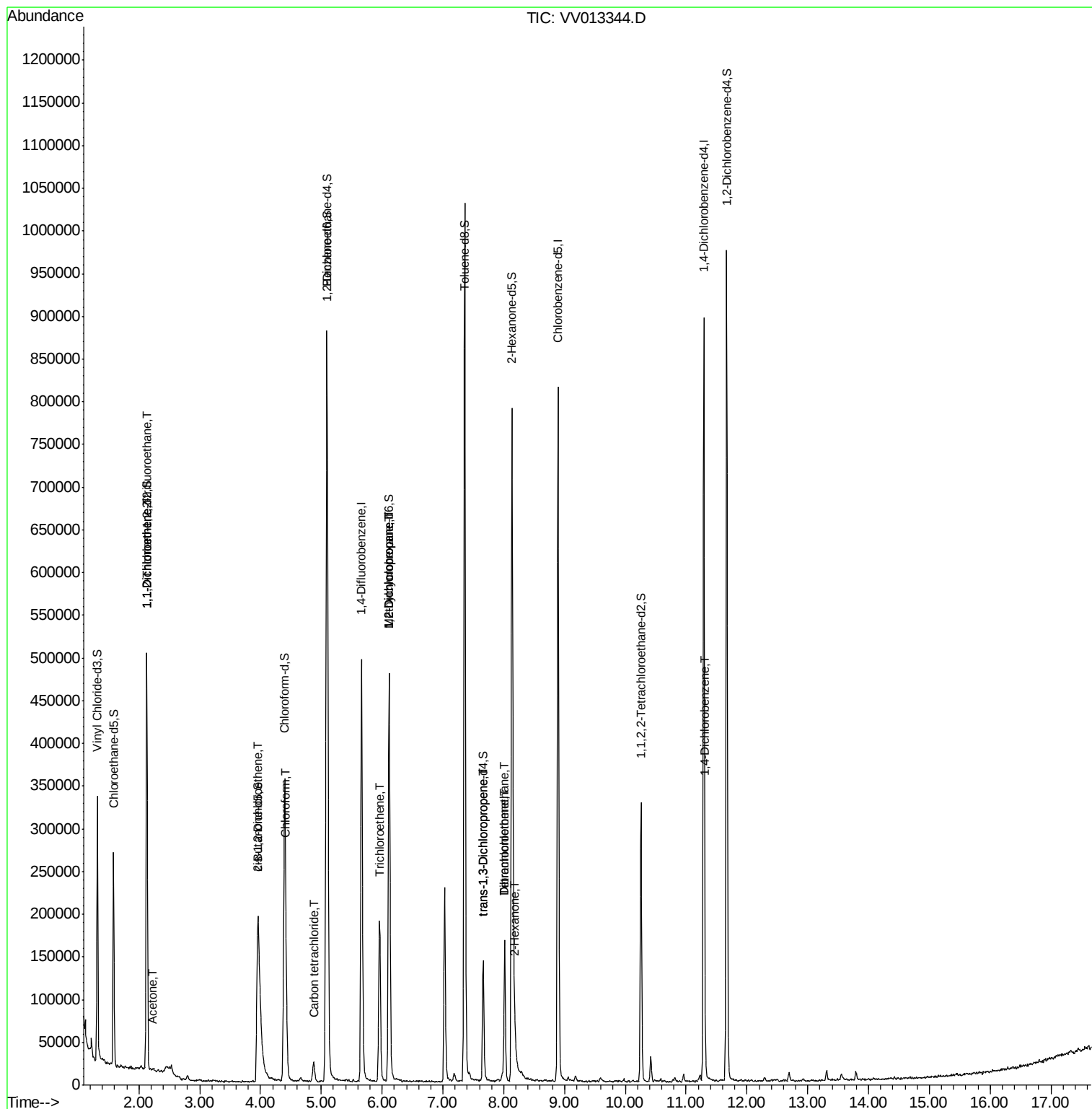
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3014	0.082	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	6696	0.192	ug/L #	1
13) Acetone	2.22	43	5295	1.627	ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	11007	0.250	ug/L #	91
25) Chloroform	4.42	83	40882	0.468	ug/L	99
31) Carbon tetrachloride	4.88	117	16536	0.260	ug/L	95
34) Trichloroethene	5.96	95	62155	1.265	ug/L	95
35) Methylcyclohexane	6.12	83	59494	0.787	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	25054	0.563	ug/L #	87
44) trans-1,3-Dichloropropene	7.67	75	3690	0.078	ug/L	92
47) Tetrachloroethene	8.02	164	40926	0.917	ug/L	96
48) 2-Hexanone	8.19	43	19756	1.217	ug/L #	83
49) Dibromochloromethane	8.02	129	33538	0.857	ug/L #	11
63) 1,4-Dichlorobenzene	11.32	146	4514	0.050	ug/L	92

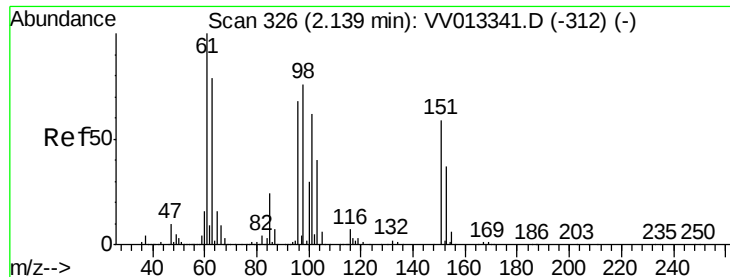
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.082 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_V

ClientSampleId :

C0K11

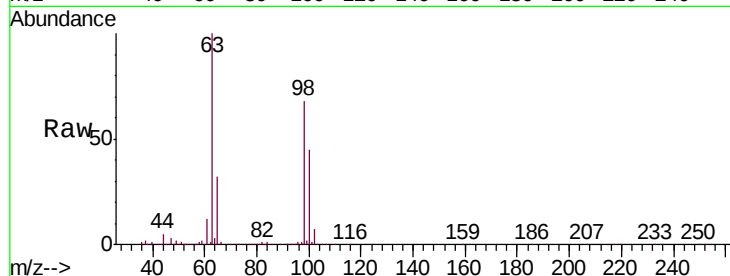
Tgt Ion:101 Resp: 3014

Ion Ratio Lower Upper

101 100

85 1.5 31.8 47.8#

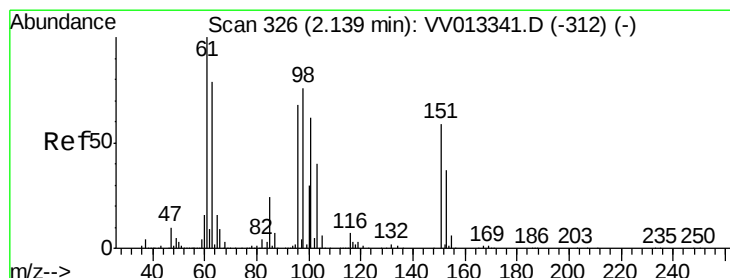
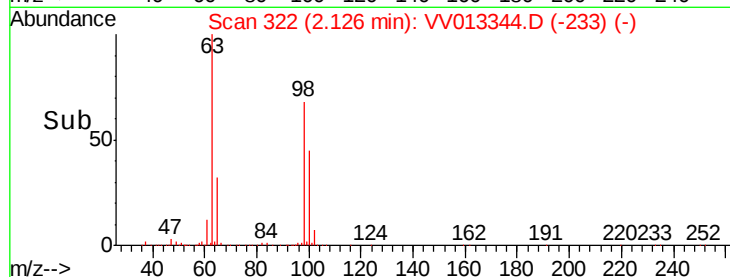
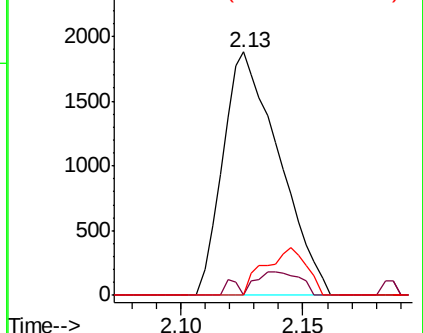
151 0.0 72.9 109.3#



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: 0.192 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

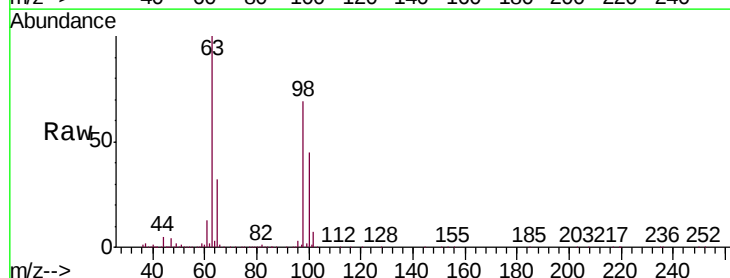
Tgt Ion: 96 Resp: 6696

Ion Ratio Lower Upper

96 100

61 484.6 104.0 193.1#

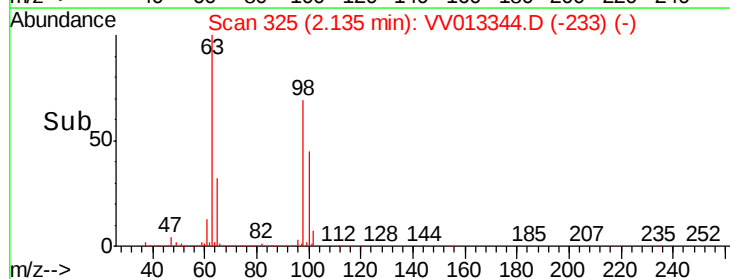
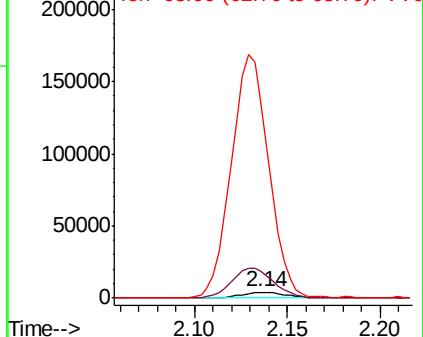
63 3610.3 67.1 124.5#

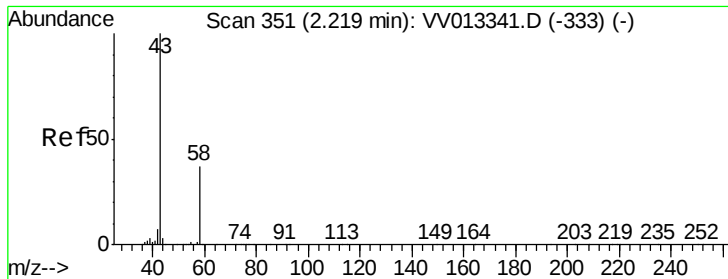


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.627 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

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Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_V

ClientSampleId :

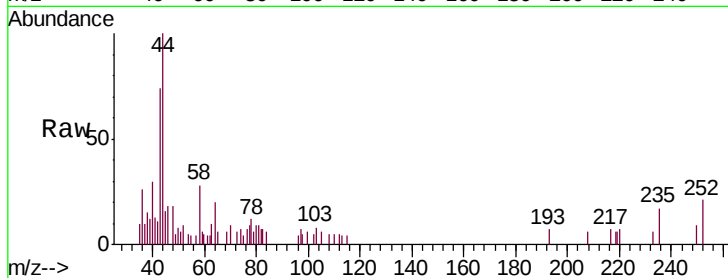
C0K11

Tgt Ion: 43 Resp: 5295

Ion Ratio Lower Upper

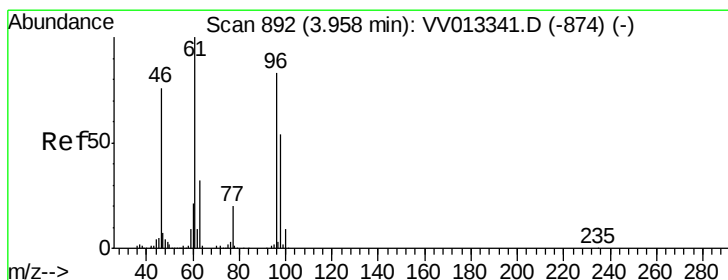
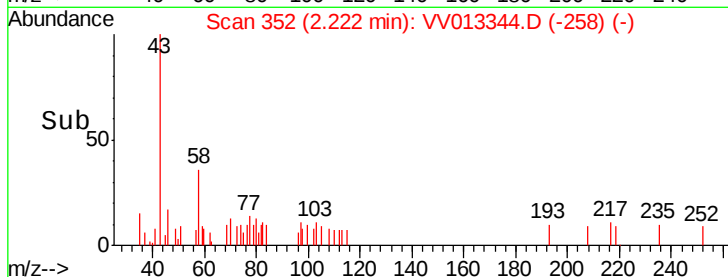
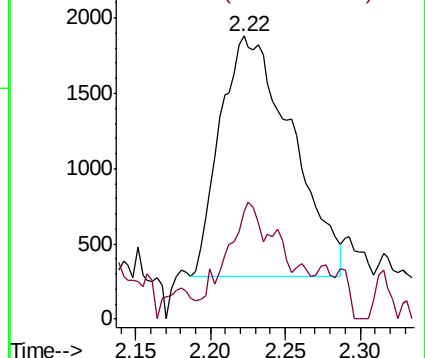
43 100

58 17.9 0.0 26.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.250 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

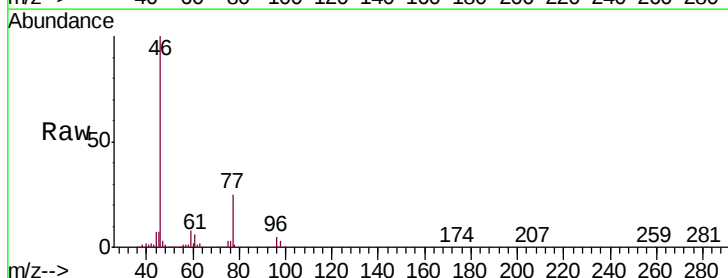
Tgt Ion: 96 Resp: 11007

Ion Ratio Lower Upper

96 100

61 120.5 77.3 143.7

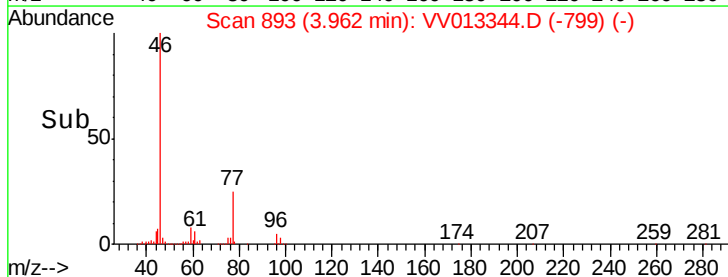
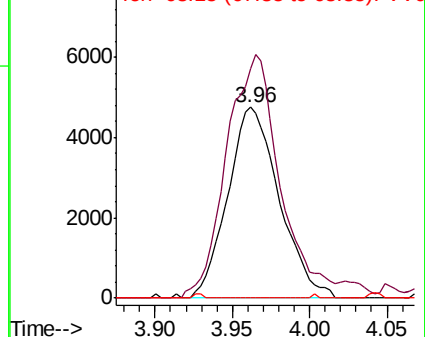
68 0.0 0.1 0.1#

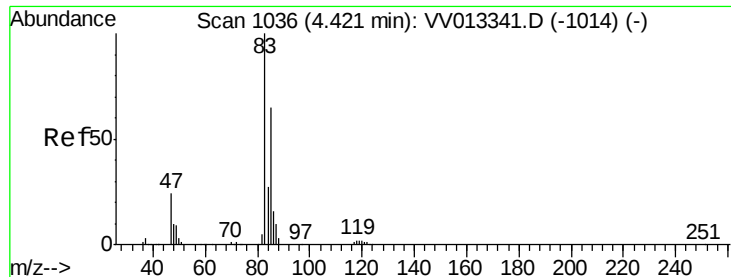


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.468 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_V

ClientSampled :

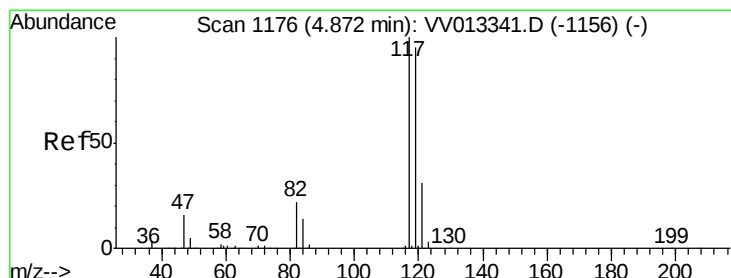
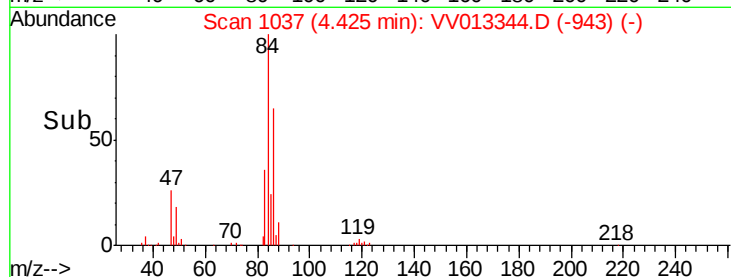
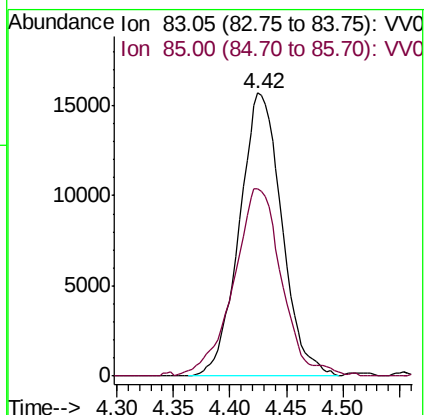
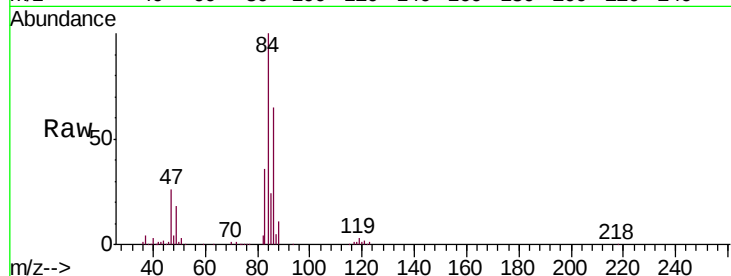
C0K11

Tgt Ion: 83 Resp: 40882

Ion Ratio Lower Upper

83 100

85 66.3 45.7 84.9



#31

Carbon tetrachloride

Concen: 0.260 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV013344.D

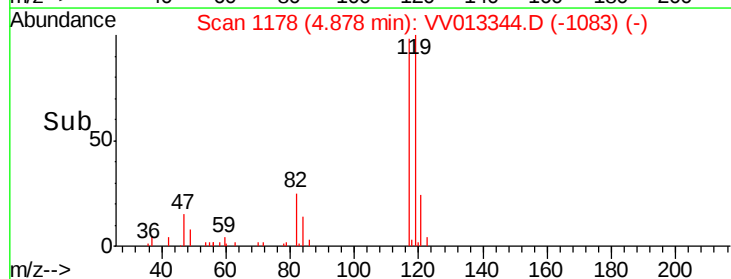
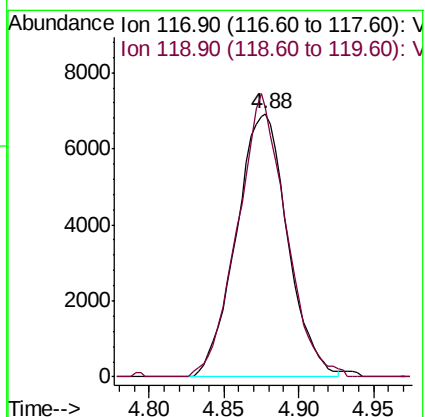
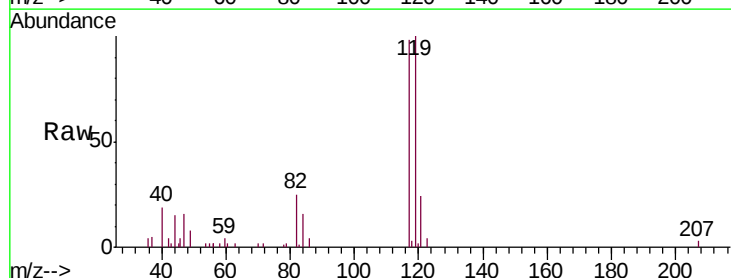
Acq: 25 Oct 2019 14:35

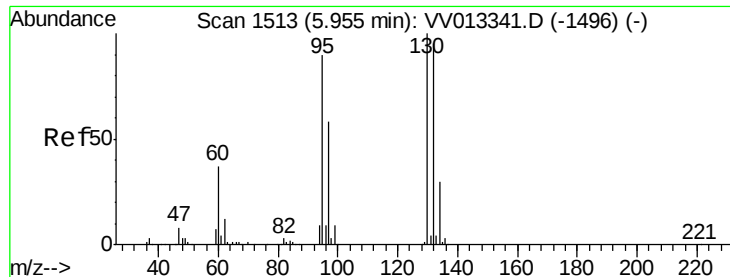
Tgt Ion: 117 Resp: 16536

Ion Ratio Lower Upper

117 100

119 101.3 77.4 116.0





#34

Trichloroethene

Concen: 1.265 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_V

ClientSampleId :

C0K11

Tgt Ion: 95 Resp: 62155

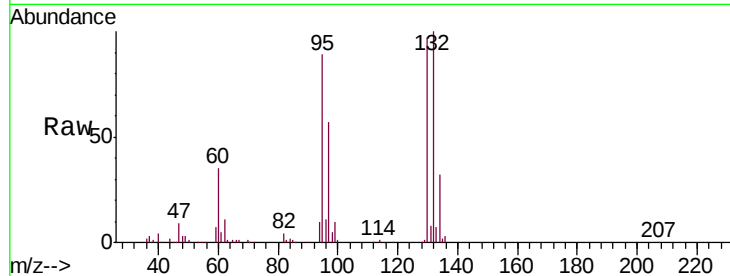
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 112.7 70.6 131.2

130 109.1 75.5 140.3

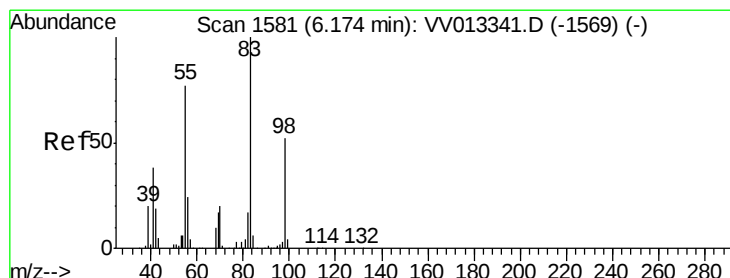
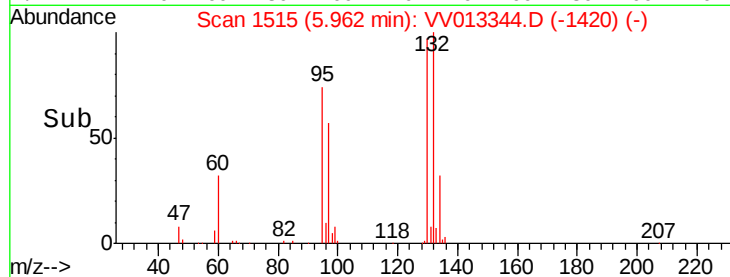
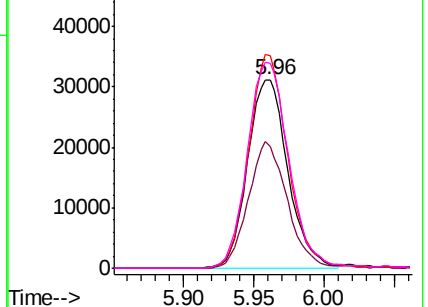


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.787 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

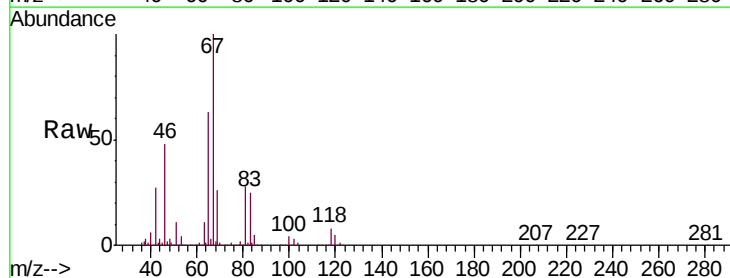
Tgt Ion: 83 Resp: 59494

Ion Ratio Lower Upper

83 100

55 0.8 62.4 93.6#

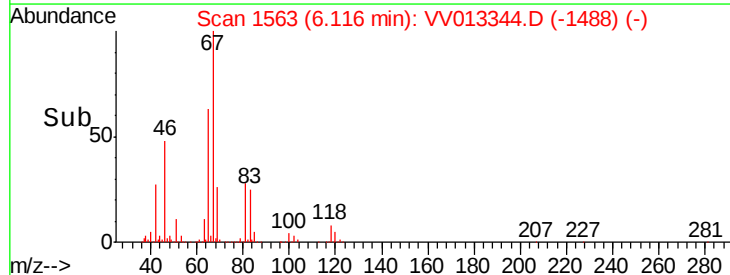
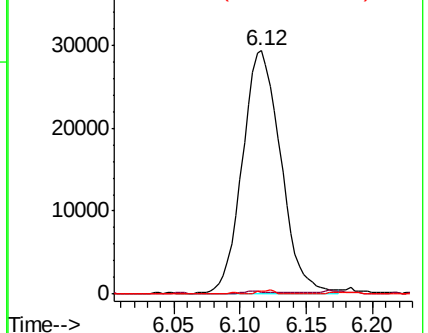
98 0.7 39.2 58.8#

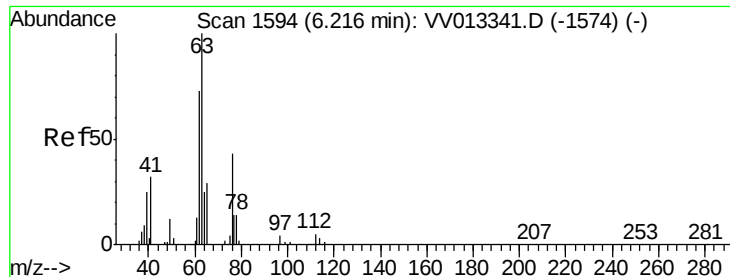


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

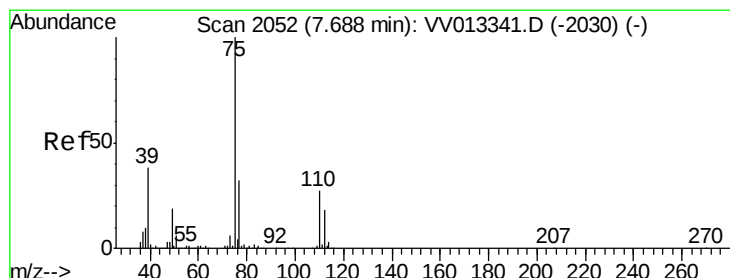
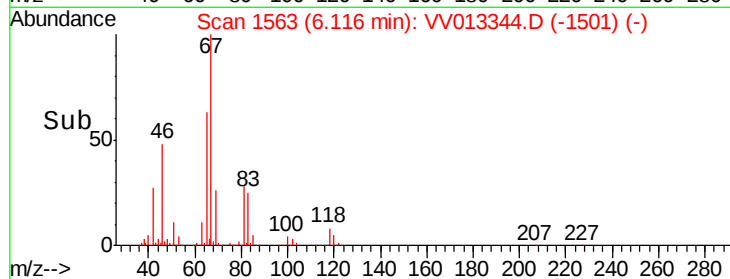
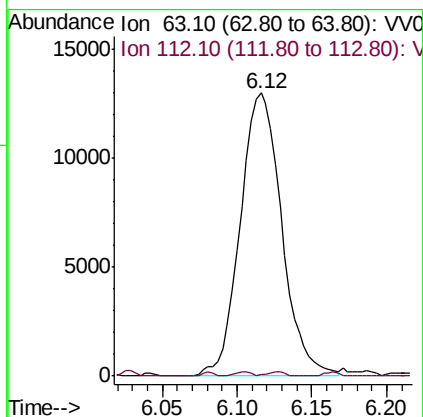
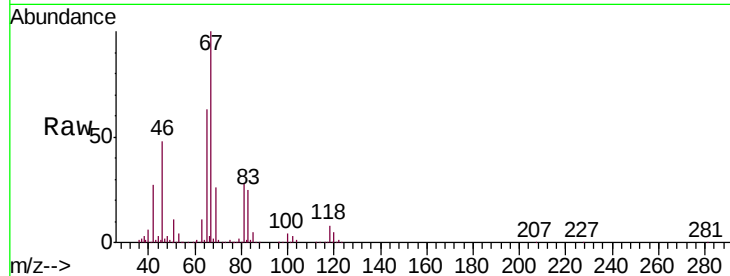




#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013344.D
 Acq: 25 Oct 2019 14:35

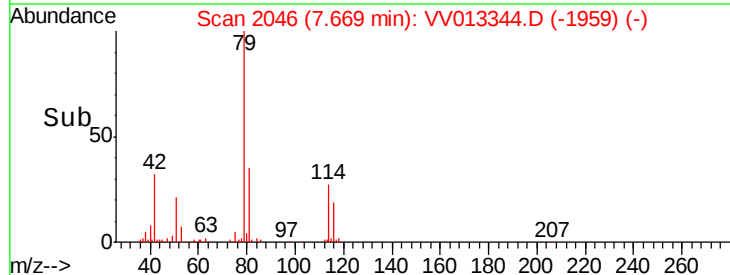
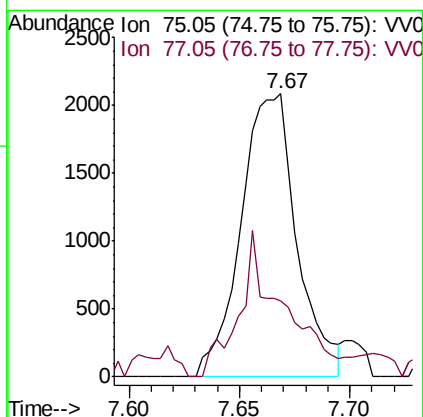
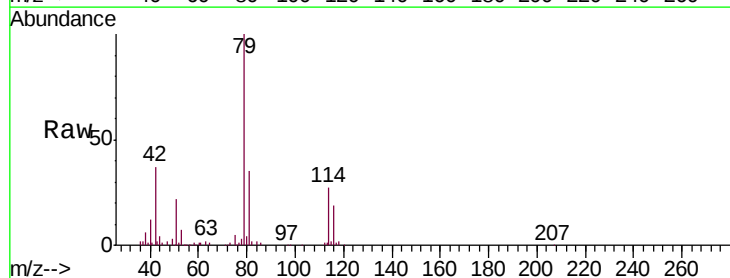
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K11

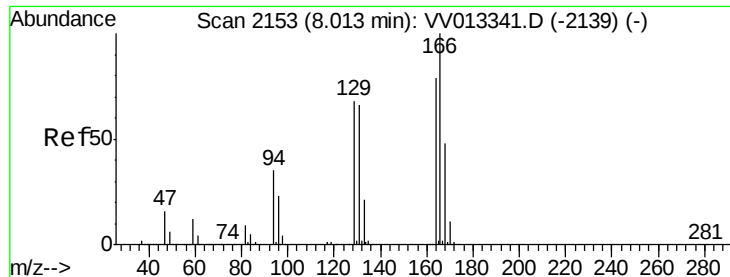
Tgt Ion: 63 Resp: 25054
 Ion Ratio Lower Upper
 63 100
 112 0.7 4.1 6.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.67 min Scan# 2046
 Delta R.T. -0.02 min
 Lab File: VV013344.D
 Acq: 25 Oct 2019 14:35

Tgt Ion: 75 Resp: 3690
 Ion Ratio Lower Upper
 75 100
 77 26.9 21.8 40.6





#47

Tetrachloroethene

Concen: 0.917 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_V

ClientSampleId :

C0K11

Tgt Ion:164 Resp: 40926

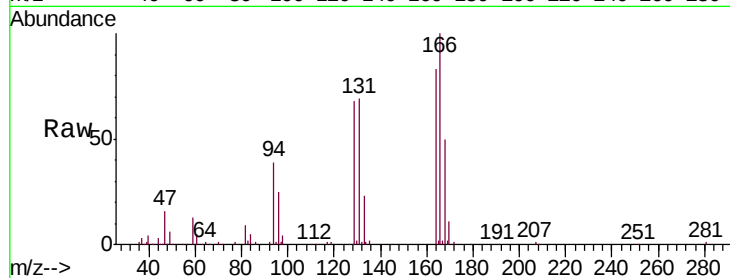
Ion Ratio Lower Upper

164 100

129 81.7 61.0 113.2

131 83.1 57.5 106.9

166 120.2 87.8 163.0

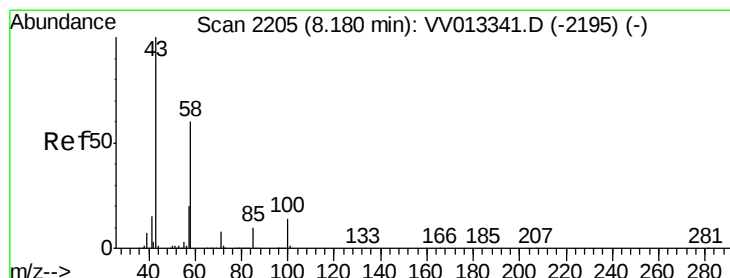
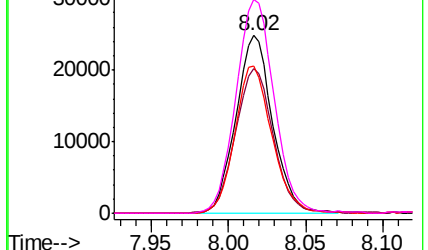
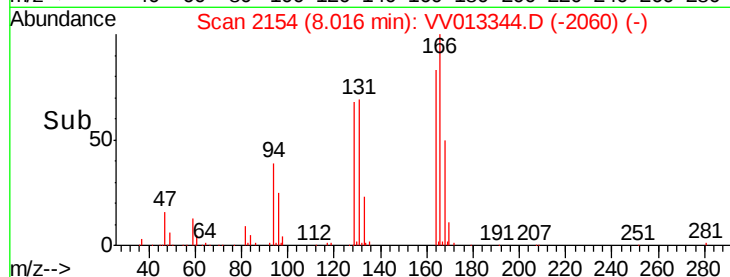


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.217 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

Tgt Ion: 43 Resp: 19756

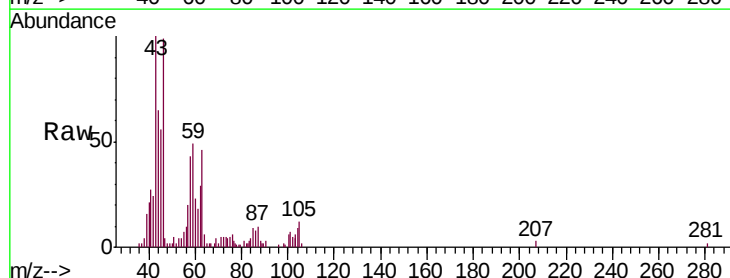
Ion Ratio Lower Upper

43 100

58 41.2 45.1 67.7#

57 19.8 15.5 23.3

100 2.7 10.2 15.2#

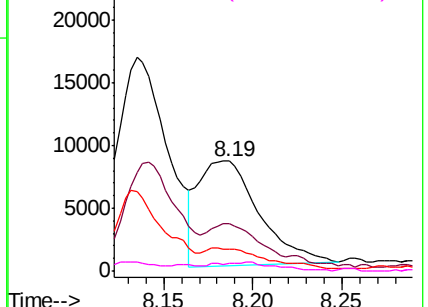
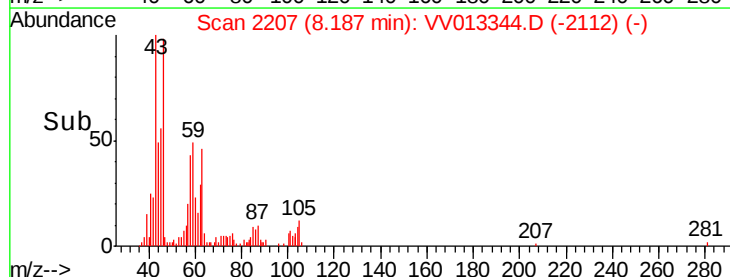


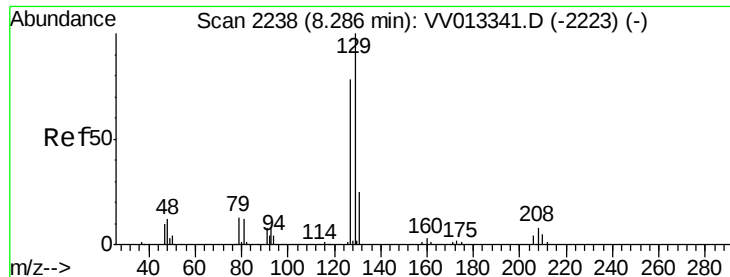
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.857 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_V

ClientSampleId :

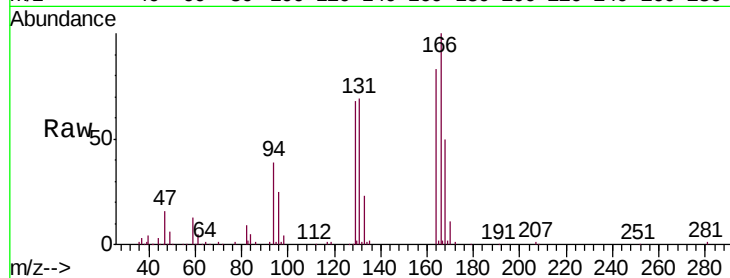
C0K11

Tgt Ion:129 Resp: 33538

Ion Ratio Lower Upper

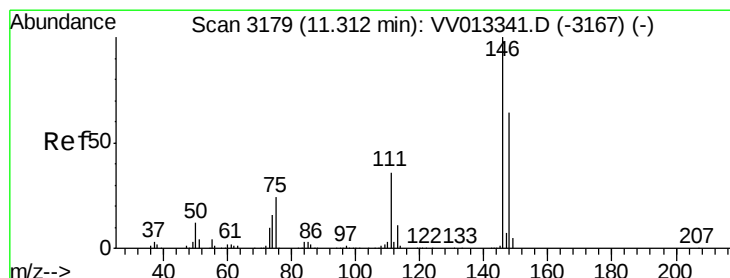
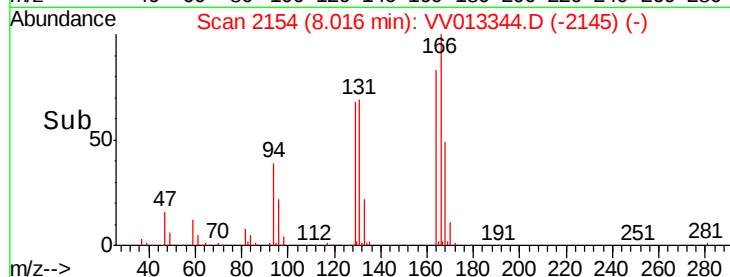
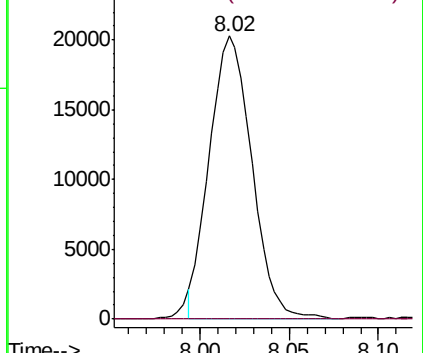
129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#63

1,4-Dichlorobenzene

Concen: 0.050 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013344.D

Acq: 25 Oct 2019 14:35

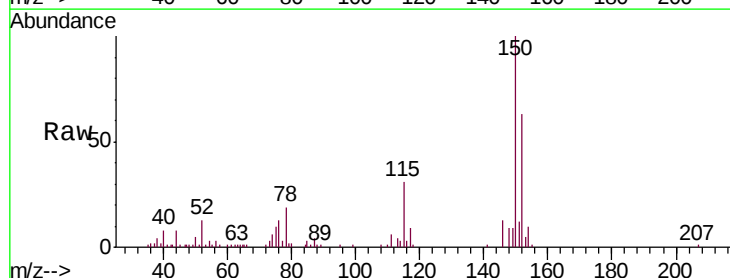
Tgt Ion:146 Resp: 4514

Ion Ratio Lower Upper

146 100

111 44.9 24.6 45.6

148 64.0 43.3 80.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

