

Data File : VV013265.D
Acq On : 22 Oct 2019 00:34
Operator : SY/MD
Sample : K5457-07
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K12

Quant Time: Oct 22 03:57:36 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	318032	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	336515	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	155232	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123754	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.58	69	119211	6.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.20%
11) 1,1-Dichloroethene-d2	2.13	63	134206	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	3.97	46	433384	96.25	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	192.50%#
24) Chloroform-d	4.40	84	332991	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.80%
26) 1,2-Dichloroethane-d4	5.08	65	173346	6.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.60%#
32) Benzene-d6	5.10	84	601049	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.12	67	205713	6.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	125.60%
41) Toluene-d8	7.36	98	408391	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	7.66	79	46336	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.14	63	265439	60.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	154746	6.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	130.80%#
64) 1,2-Dichlorobenzene-d4	11.67	152	172435	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5885	0.193 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1839	0.070 ug/L #	17
16) Methylene chloride	2.53	84	19936	0.531 ug/L	91
18) trans-1,2-Dichloroethene	2.79	96	3661	0.124 ug/L	87
19) 1,1-Dichloroethane	3.23	63	10600	0.221 ug/L #	86
22) cis-1,2-Dichloroethene	3.96	96	32505	1.030 ug/L #	85
25) Chloroform	4.43	83	10096	0.162 ug/L	94
27) 1,2-Dichloroethane	5.09	62	3402	0.102 ug/L	96
34) Trichloroethene	5.96	95	26723	0.775 ug/L	94
35) Methylcyclohexane	6.12	83	48543	0.915 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	22011	0.705 ug/L #	88
44) trans-1,3-Dichloropropene	7.67	75	1735	0.052 ug/L	88
47) Tetrachloroethene	8.02	164	6475	0.207 ug/L	91
48) 2-Hexanone	8.14	43	38118	3.347 ug/L #	72
49) Dibromochloromethane	8.02	129	5511	0.201 ug/L #	11

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

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QLast Update : Tue Oct 22 03:42:02 2019
Response via : Initial Calibration

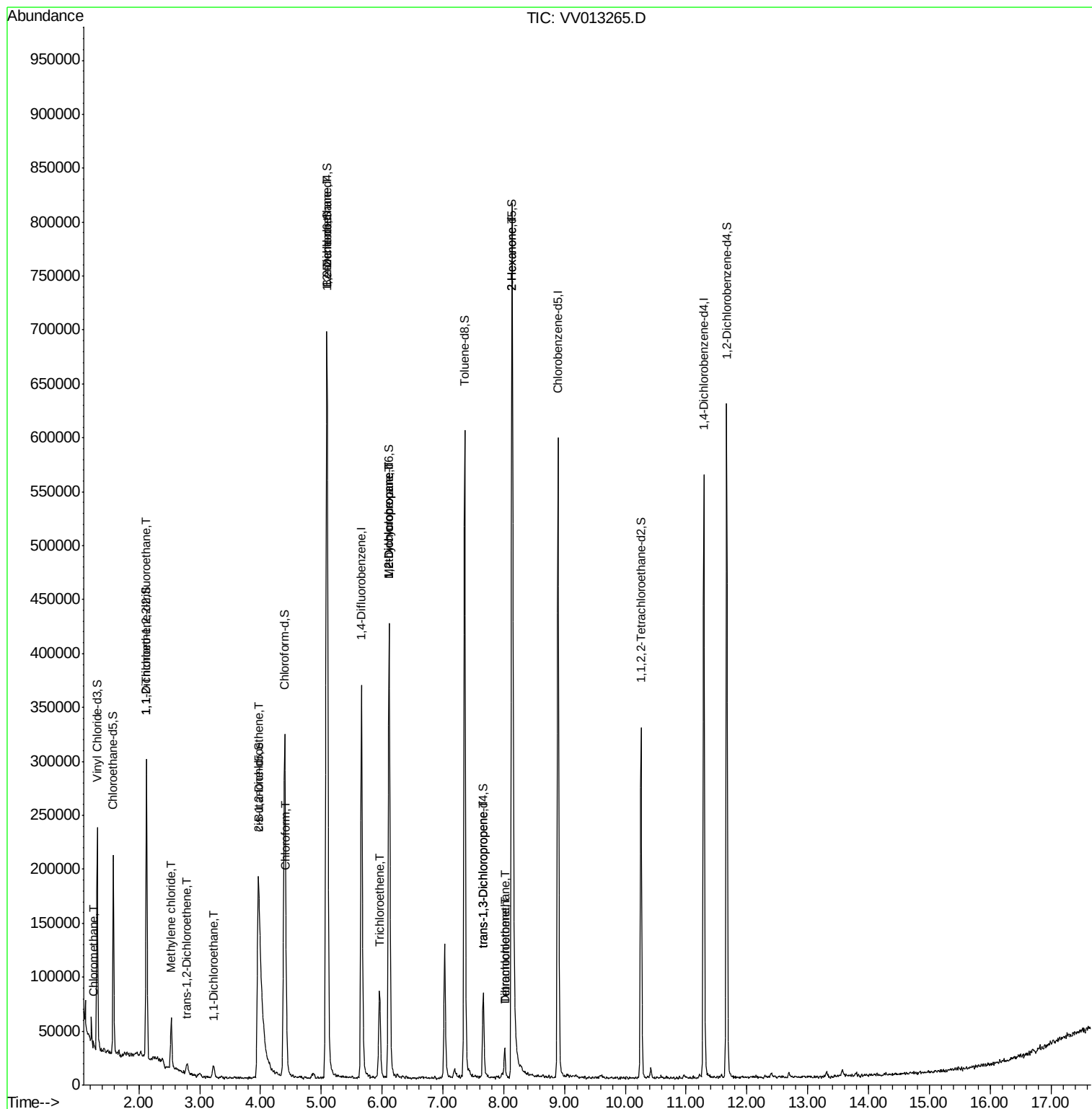
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

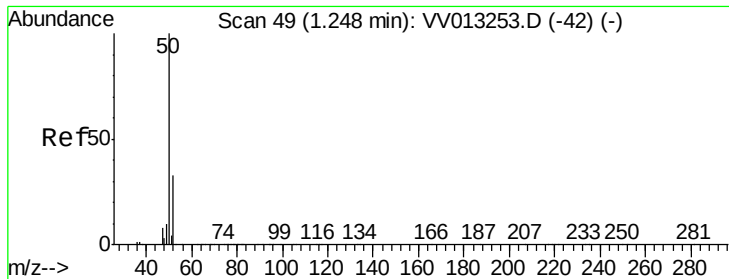
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.193 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

Instrument :

MSVOA_V

ClientSampleId :

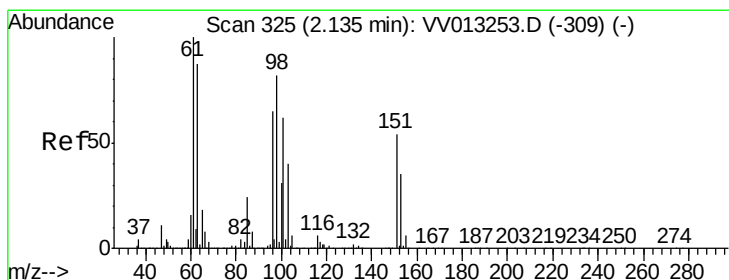
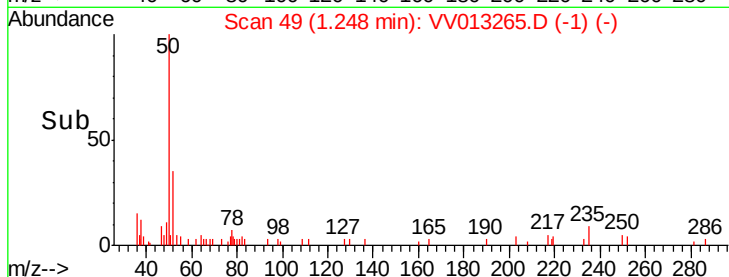
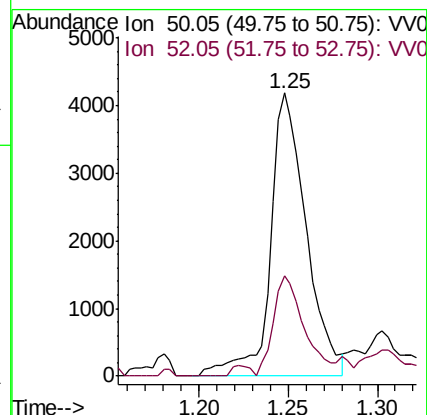
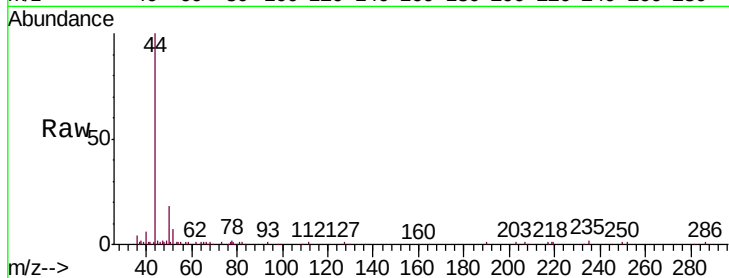
C0K12

Tgt Ion: 50 Resp: 5885

Ion Ratio Lower Upper

50 100

52 35.4 23.3 43.3



#10

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

Concen: 0.070 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

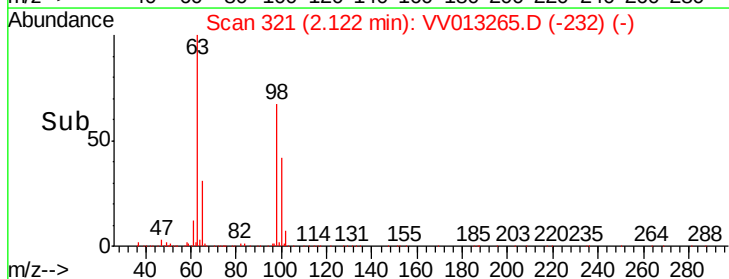
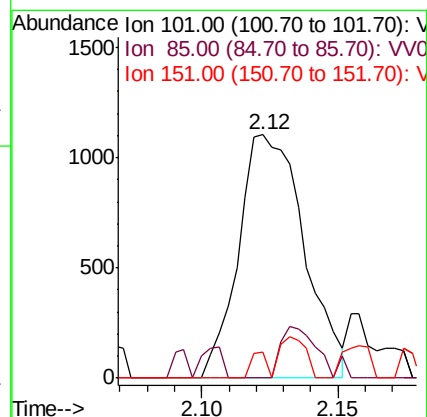
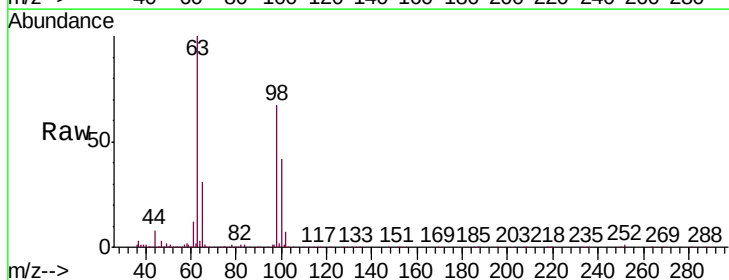
Tgt Ion: 101 Resp: 1839

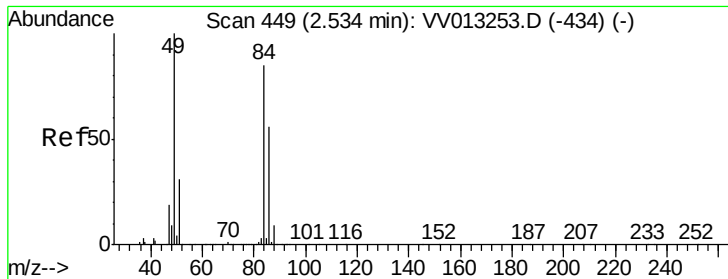
Ion Ratio Lower Upper

101 100

85 4.0 31.8 47.8#

151 2.4 72.9 109.3#

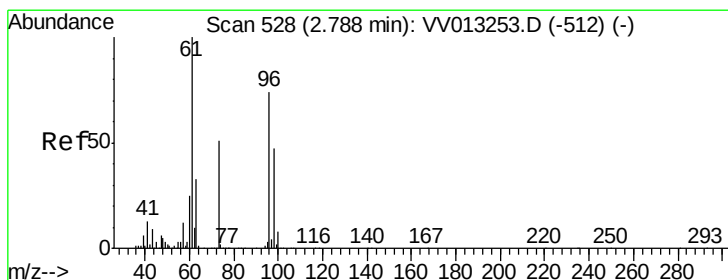
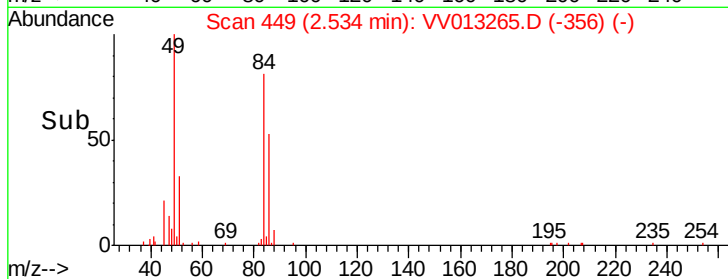
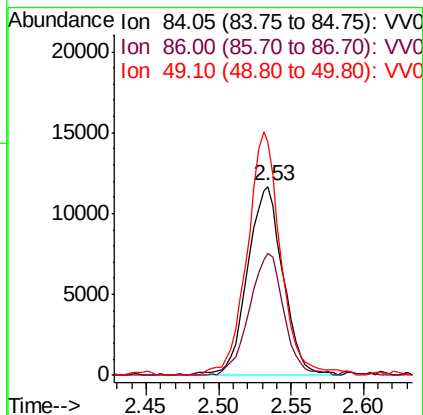
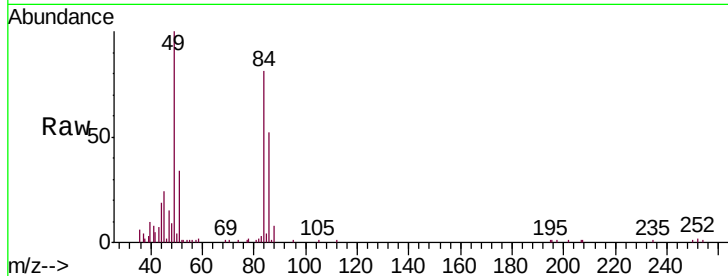




#16
Methylene chloride
Concen: 0.531 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013265.D
Acq: 22 Oct 2019 00:34

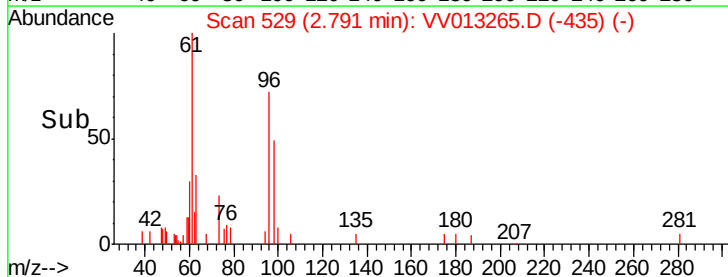
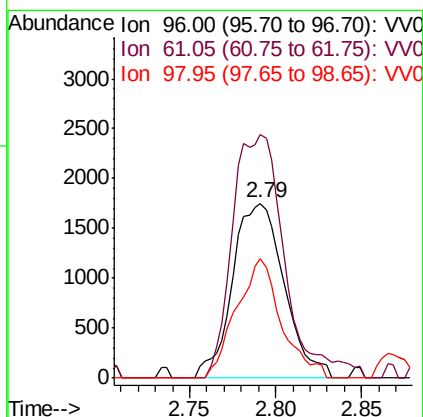
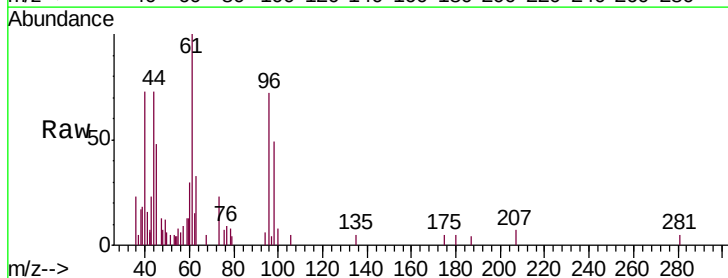
Instrument :
MSVOA_V
ClientSampled :
C0K12

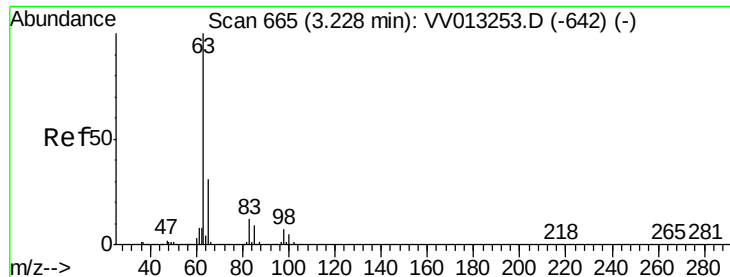
Tgt Ion: 84 Resp: 19936
Ion Ratio Lower Upper
84 100
86 64.9 46.2 85.8
49 123.7 76.4 141.8



#18
trans-1,2-Dichloroethene
Concen: 0.124 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013265.D
Acq: 22 Oct 2019 00:34

Tgt Ion: 96 Resp: 3661
Ion Ratio Lower Upper
96 100
61 139.3 84.4 156.8
98 68.3 44.4 82.4





#19

1,1-Dichloroethane

Concen: 0.221 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

Instrument :

MSVOA_V

ClientSampleId :

C0K12

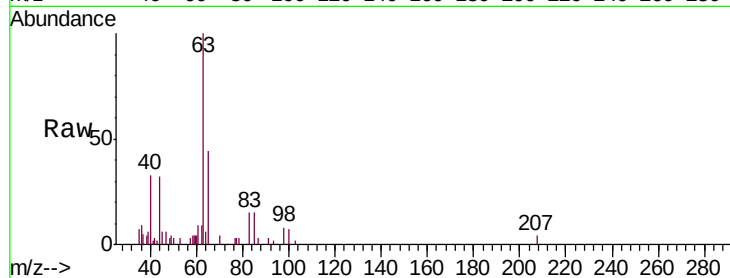
Tgt Ion: 63 Resp: 10600

Ion Ratio Lower Upper

63 100

65 44.3 23.0 42.8#

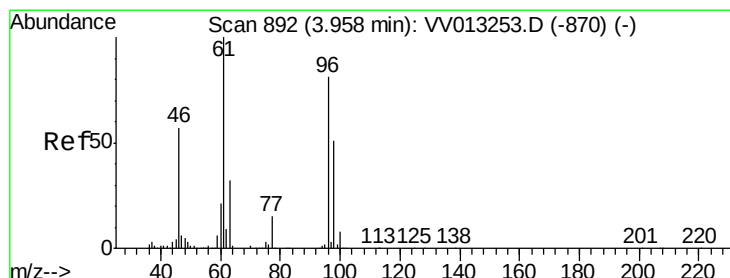
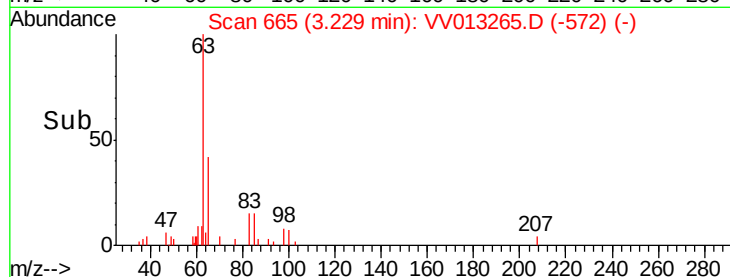
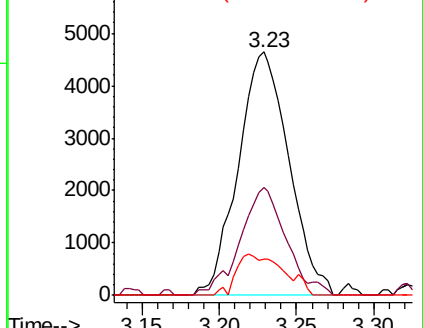
83 14.8 10.2 19.0



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: 1.030 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

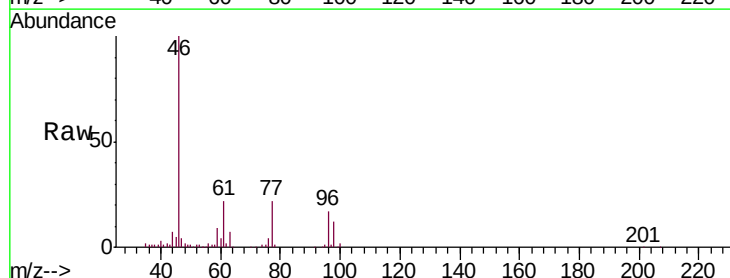
Tgt Ion: 96 Resp: 32505

Ion Ratio Lower Upper

96 100

61 126.8 77.3 143.7

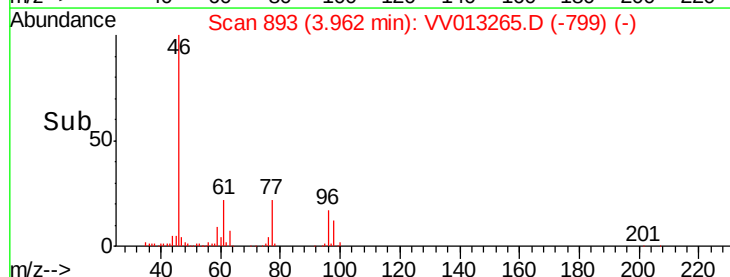
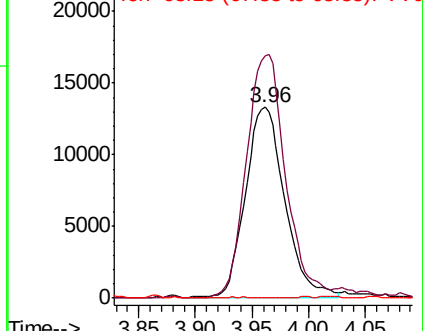
68 0.0 0.1 0.1#

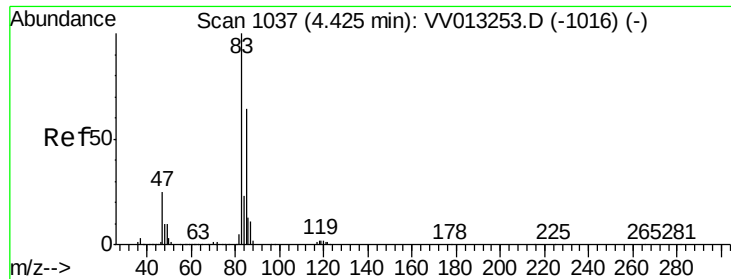


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

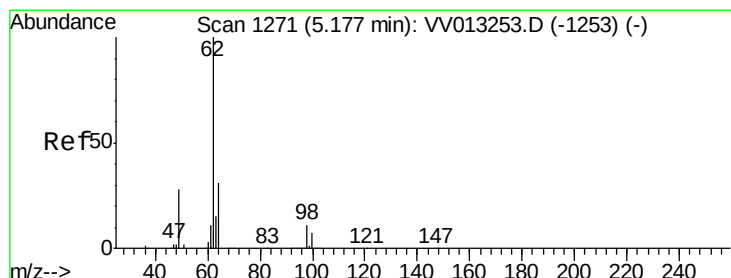
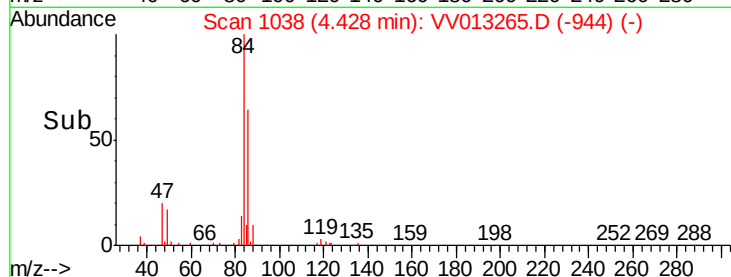
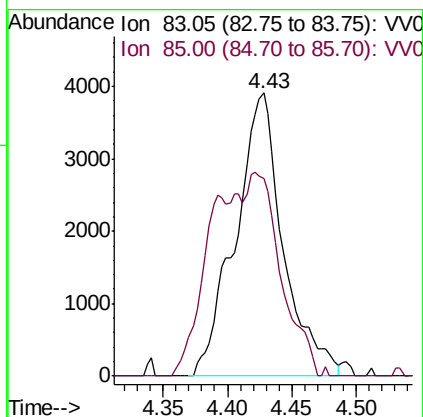
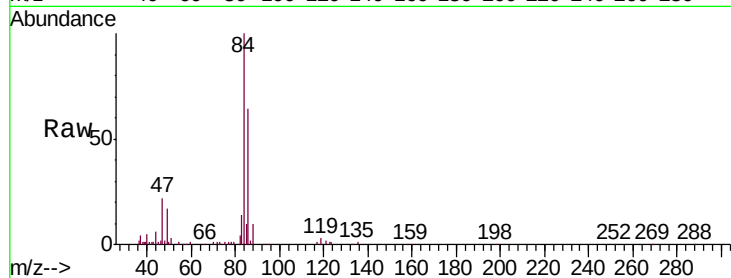




#25
Chloroform
Concen: 0.162 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV013265.D
Acq: 22 Oct 2019 00:34

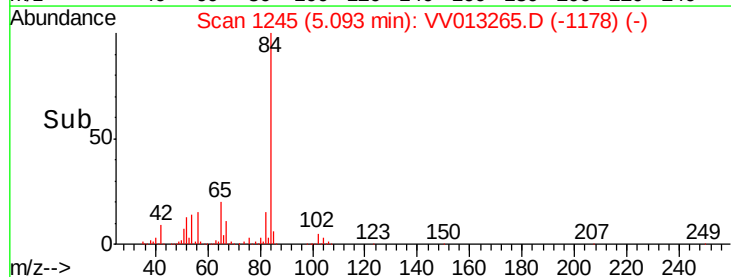
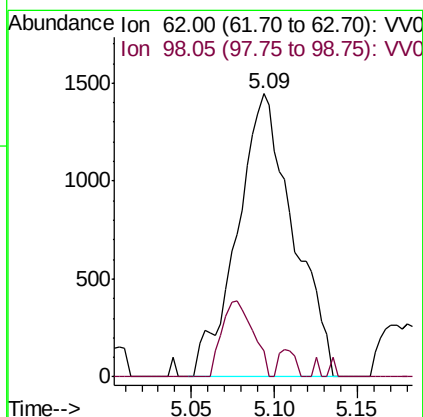
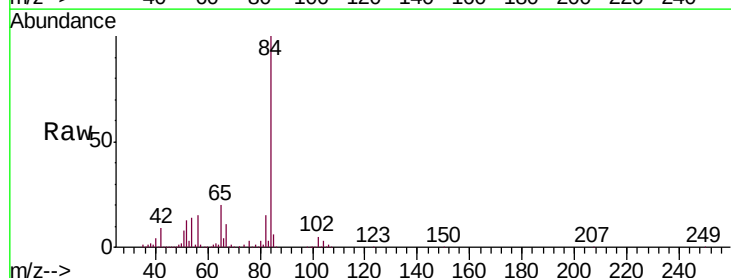
Instrument :
MSVOA_V
ClientSampleId :
C0K12

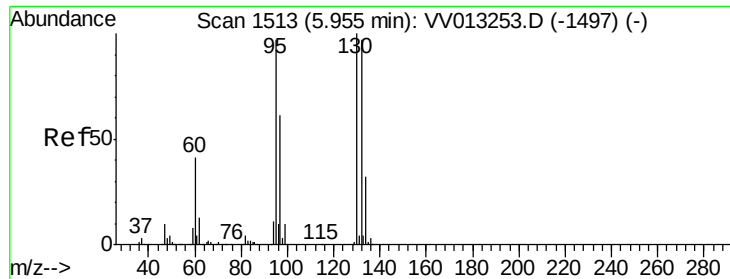
Tgt Ion: 83 Resp: 10096
Ion Ratio Lower Upper
83 100
85 69.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.102 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV013265.D
Acq: 22 Oct 2019 00:34

Tgt Ion: 62 Resp: 3402
Ion Ratio Lower Upper
62 100
98 9.1 8.3 12.5





#34

Trichloroethene

Concen: 0.775 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

Instrument :

MSVOA_V

ClientSampleId :

C0K12

Tgt Ion: 95 Resp: 26723

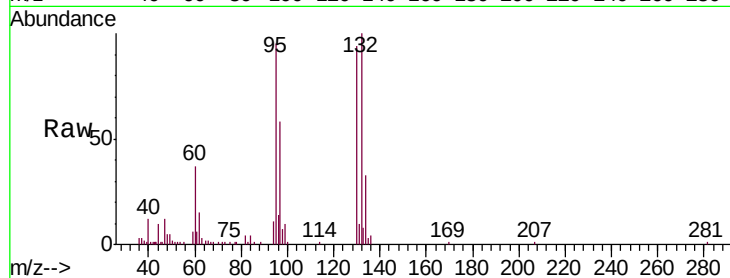
Ion Ratio Lower Upper

95 100

97 61.2 45.2 84.0

132 105.2 70.6 131.2

130 98.8 75.5 140.3

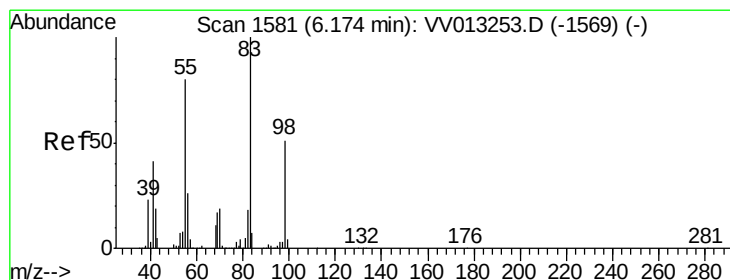
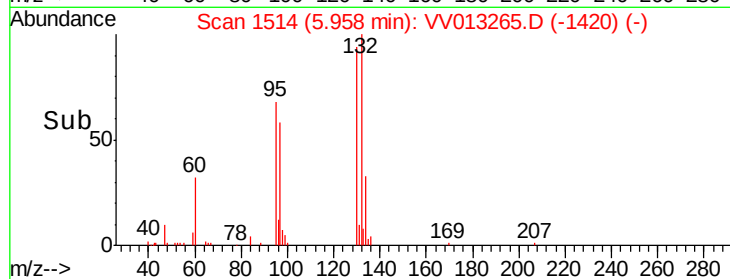
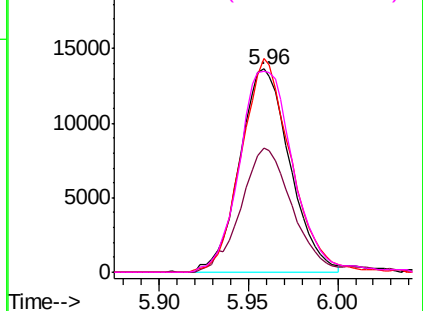


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.915 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

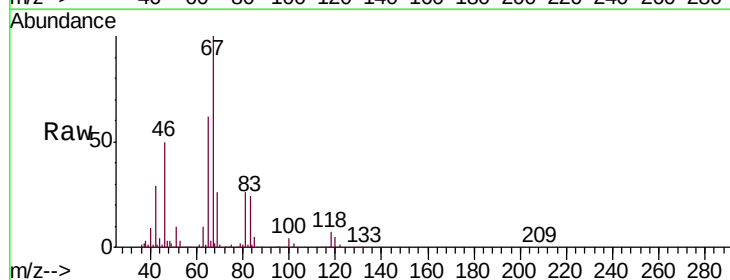
Tgt Ion: 83 Resp: 48543

Ion Ratio Lower Upper

83 100

55 0.4 62.4 93.6#

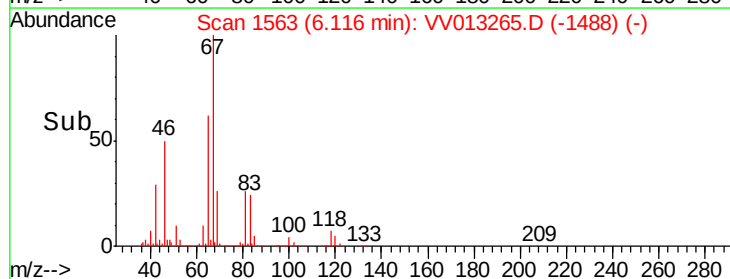
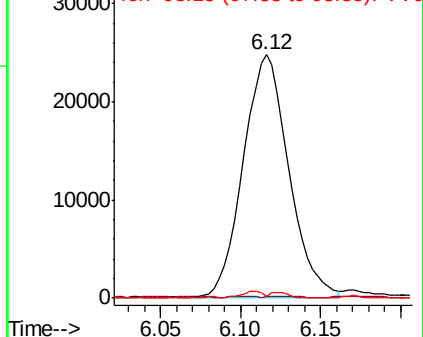
98 0.9 39.2 58.8#

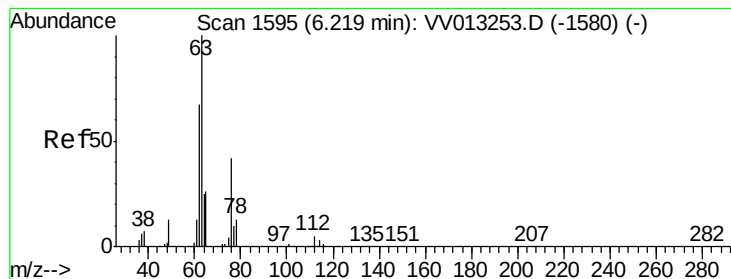


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.705 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

Instrument :

MSVOA_V

ClientSampleId :

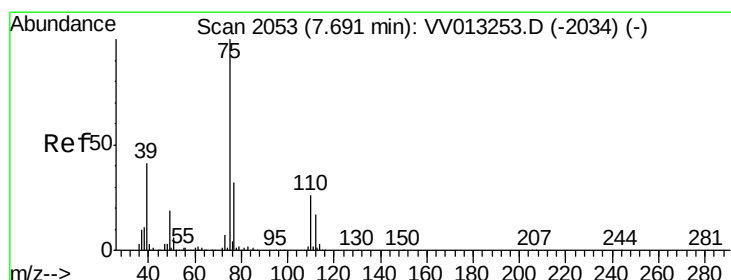
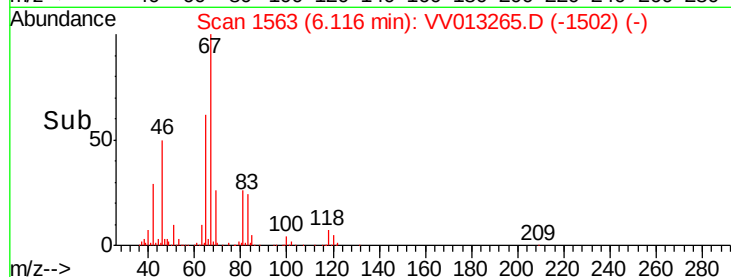
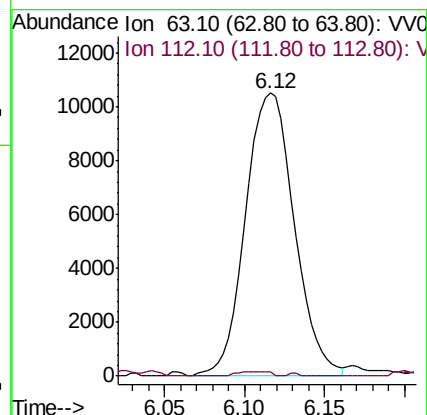
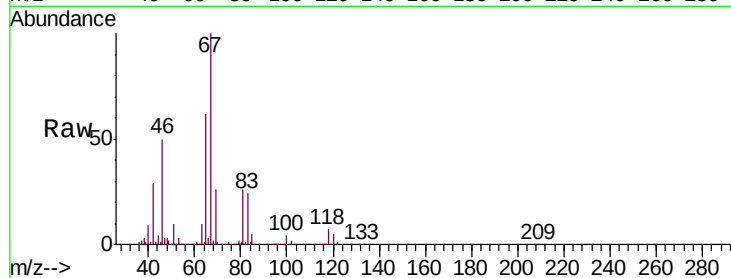
C0K12

Tgt Ion: 63 Resp: 22011

Ion Ratio Lower Upper

63 100

112 1.0 4.1 6.1#



#44

trans-1,3-Dichloropropene

Concen: 0.052 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV013265.D

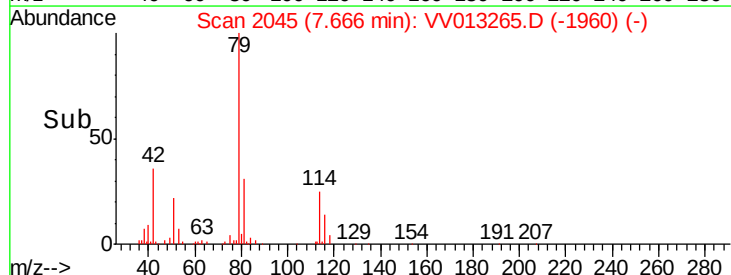
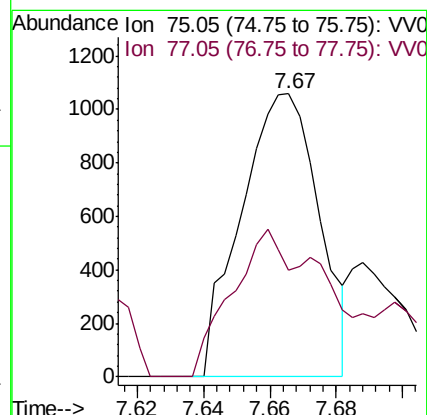
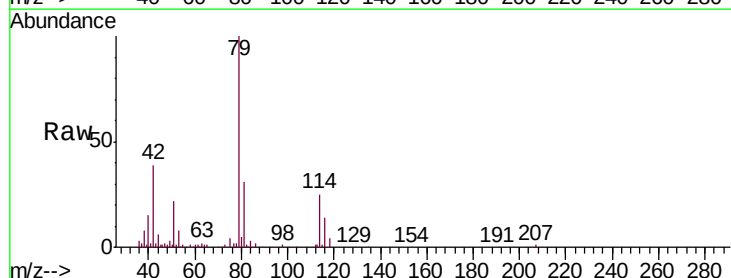
Acq: 22 Oct 2019 00:34

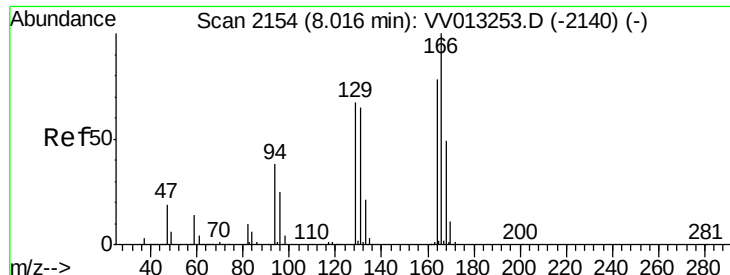
Tgt Ion: 75 Resp: 1735

Ion Ratio Lower Upper

75 100

77 37.6 21.8 40.6





#47

Tetrachloroethene

Concen: 0.207 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

Instrument :

MSVOA_V

ClientSampleId :

C0K12

Tgt Ion:164 Resp: 6475

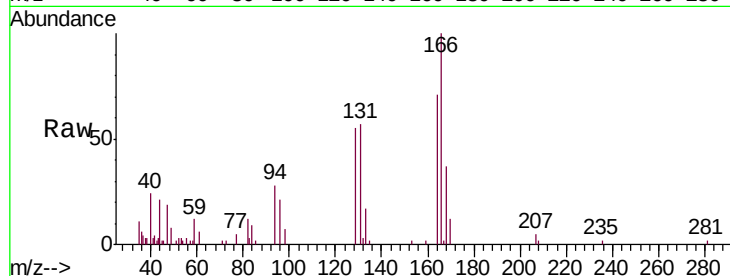
Ion Ratio Lower Upper

164 100

129 78.5 61.0 113.2

131 80.1 57.5 106.9

166 141.5 87.8 163.0

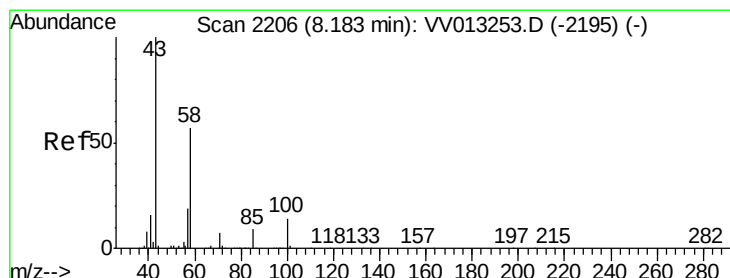
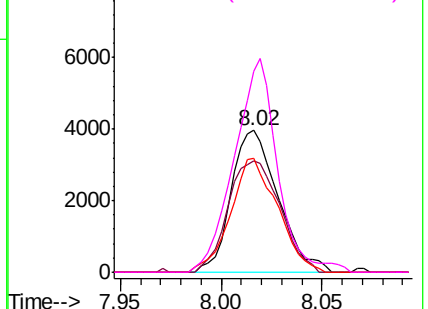
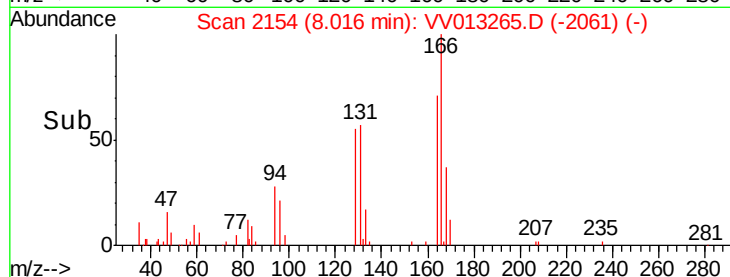


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.347 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

Tgt Ion: 43 Resp: 38118

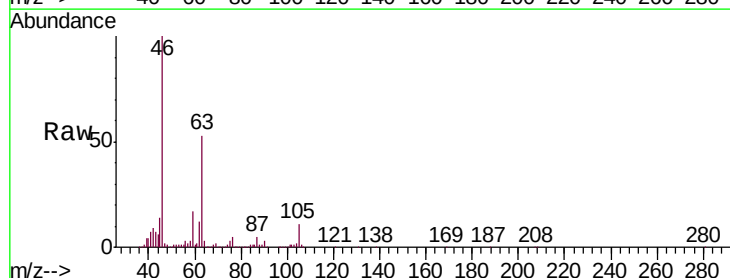
Ion Ratio Lower Upper

43 100

58 70.4 45.1 67.7#

57 45.5 15.5 23.3#

100 2.9 10.2 15.2#

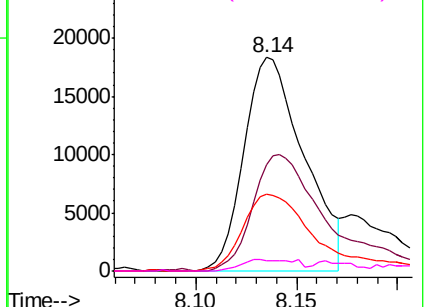
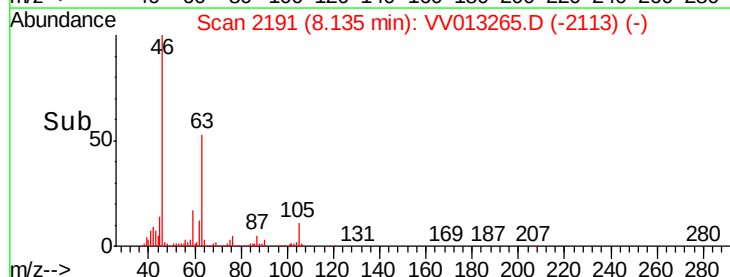


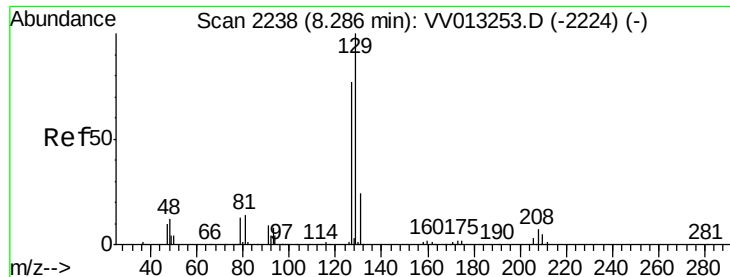
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.201 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013265.D

Acq: 22 Oct 2019 00:34

Instrument :

MSVOA_V

ClientSampleId :

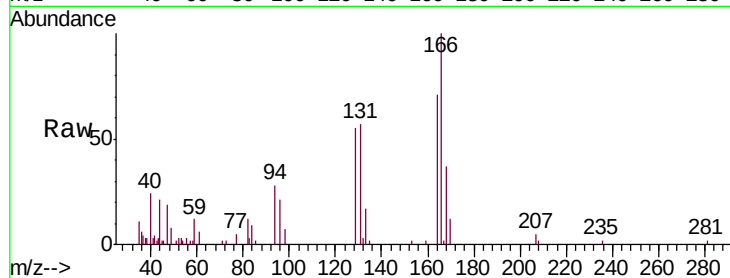
C0K12

Tgt Ion:129 Resp: 5511

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

