

Data File : VV009040.D
Acq On : 19 Dec 2018 03:47
Operator : SY/MD
Sample : J6419-13
Misc : 5.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF041

Quant Time: Dec 19 07:26:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 07:18:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	79024	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	52532	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	11099	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17799	21.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.08%
7) Chloroethane-d5	1.58	69	20887	34.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	138.28%
10) 1,1-Dichloroethene-d2	2.13	63	33809	16.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.16%
20) 2-Butanone-d5	3.94	46	12602	42.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.66%
24) Chloroform-d	4.40	84	51368	27.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.16%
26) 1,2-Dichloroethane-d4	5.08	65	33963	32.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	131.04%#
29) Benzene-d6	5.10	84	94508	32.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	128.84%
33) 1,2-Dichloropropane-d6	6.12	67	30130	36.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	146.72%#
37) Toluene-d8	7.36	98	67551	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.52%
38) trans-1,3-Dichloropropene-	7.67	79	11270	31.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	124.92%
39) 2-Hexanone-d5	8.13	63	6594	43.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	18110	26.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	9615	23.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.32%

Target Compounds

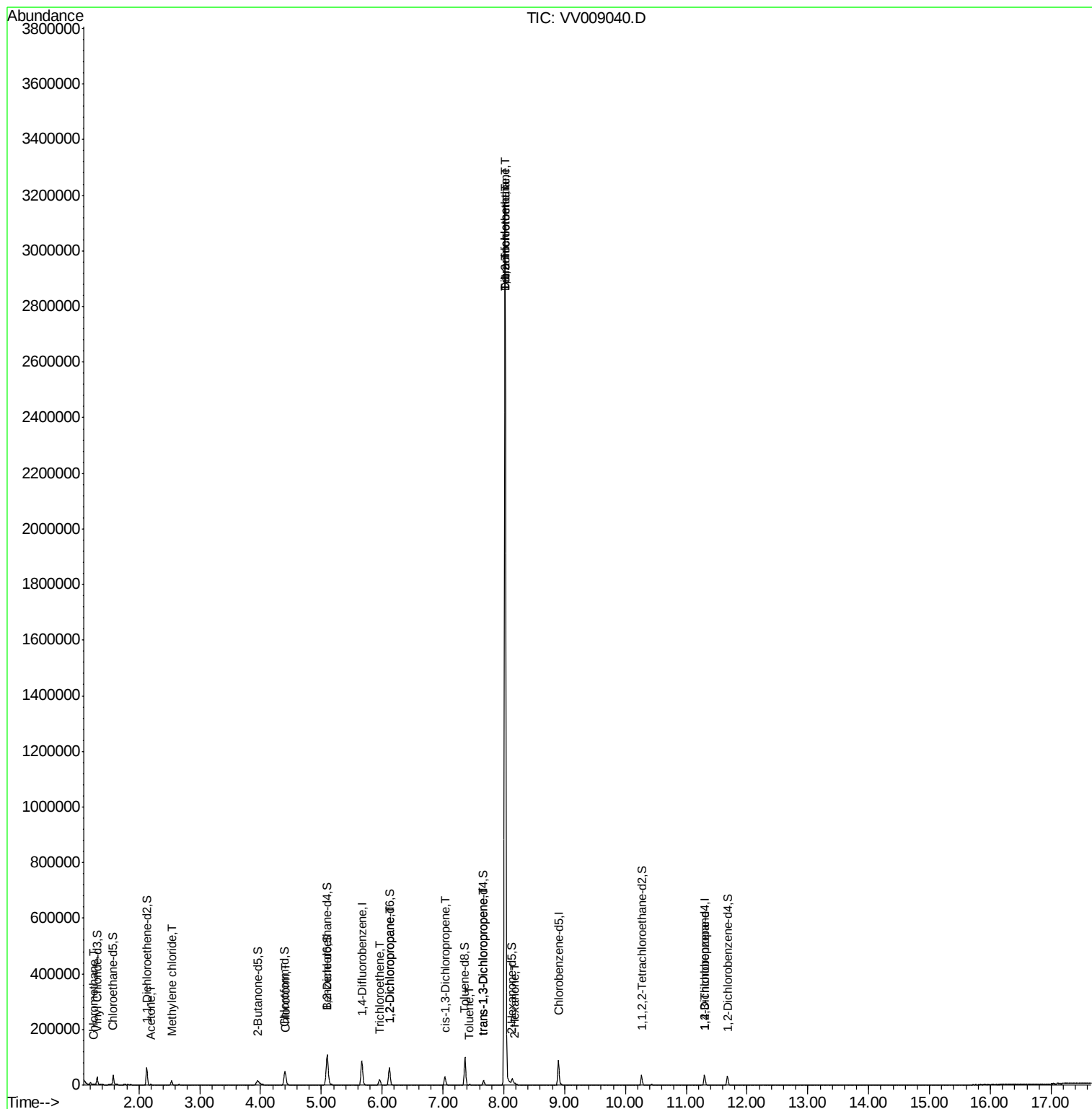
					Qvalue
3) Chloromethane	1.25	50	541	0.608 ug/L	90
13) Acetone	2.20	43	2701	6.157 ug/L	84
16) Methylene chloride	2.54	84	6713	5.045 ug/L	99
25) Chloroform	4.43	83	1401	0.732 ug/L #	35
35) Trichloroethene	5.96	95	5727	6.036 ug/L	96
40) 1,2-Dichloropropane	6.12	63	3578	4.737 ug/L #	85
42) cis-1,3-Dichloropropene	7.04	75	758	0.685 ug/L	93
44) Toluene	7.43	91	1923	0.583 ug/L	98
45) trans-1,3-Dichloropropene	7.67	75	529	0.549 ug/L #	41
46) 1,1,2-Trichloroethane	8.02	97	6081	9.662 ug/L #	1
47) Tetrachloroethene	8.02	164	716658	928.730 ug/L	98
49) 2-Hexanone	8.18	43	2793	6.612 ug/L #	88
50) Dibromochloromethane	8.02	129	695763	964.394 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	1310	2.225 ug/L	98

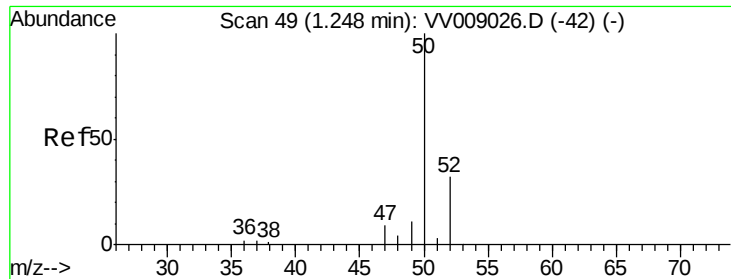
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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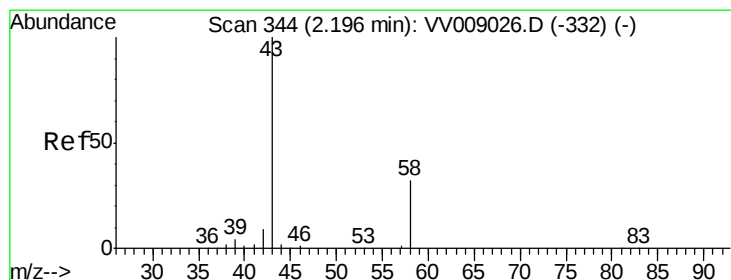
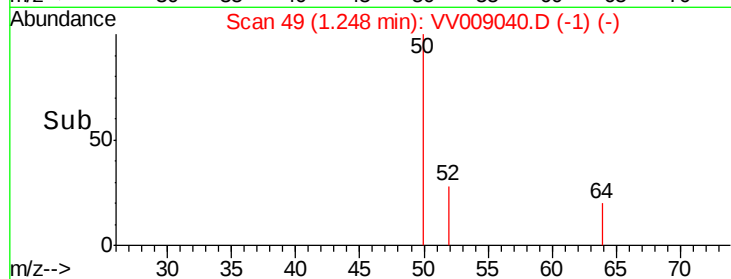
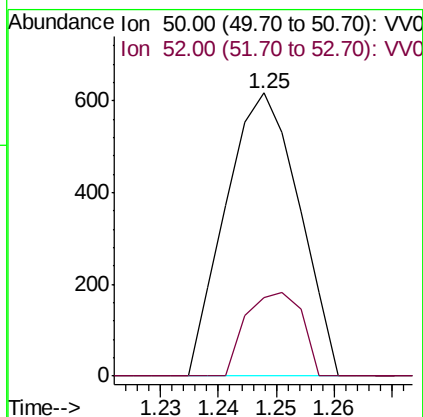
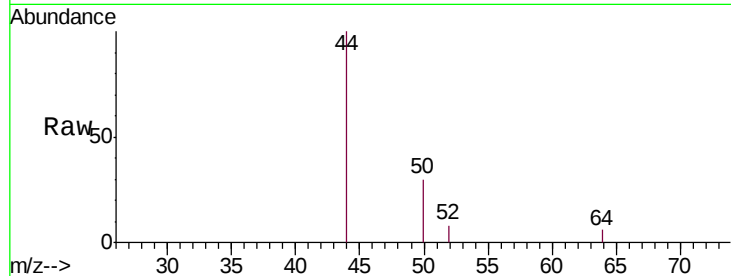




#3
Chloromethane
Concen: 0.608 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV009040.D
Acq: 19 Dec 2018 03:47

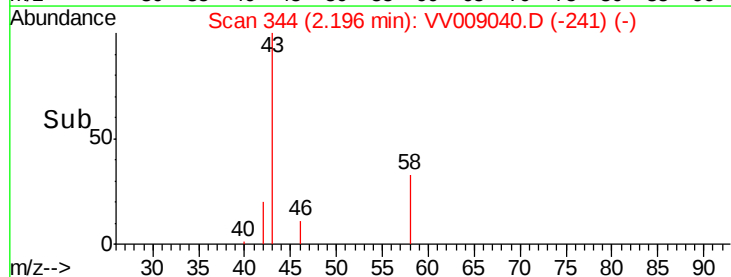
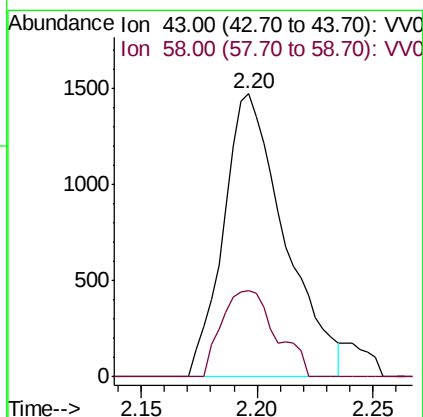
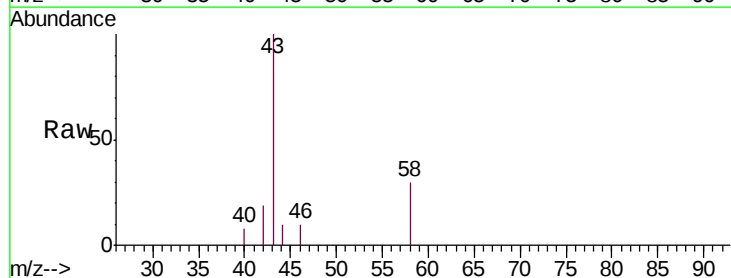
Instrument :
MSVOA_V
ClientSampled :
BF041

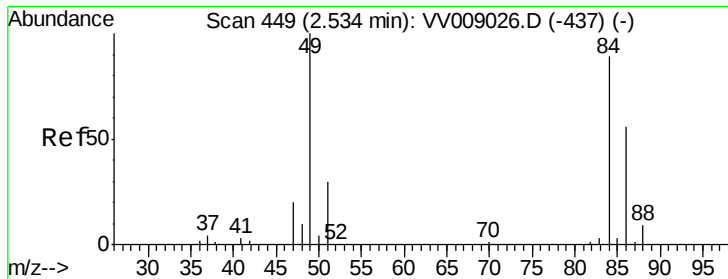
Tgt Ion: 50 Resp: 541
Ion Ratio Lower Upper
50 100
52 27.6 23.2 43.2



#13
Acetone
Concen: 6.157 ug/L
RT: 2.20 min Scan# 344
Delta R.T. -0.00 min
Lab File: VV009040.D
Acq: 19 Dec 2018 03:47

Tgt Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
58 23.4 0.0 65.4

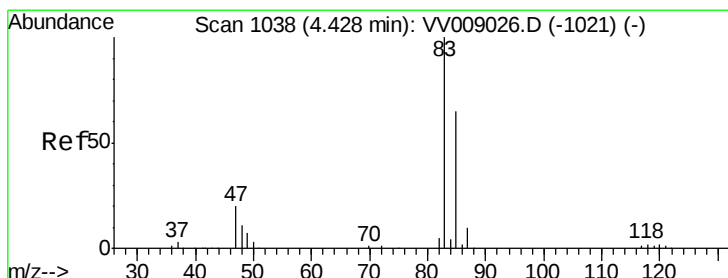
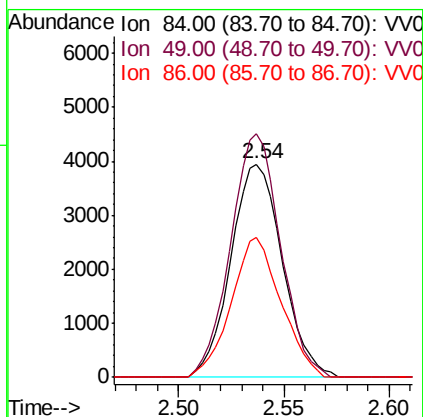
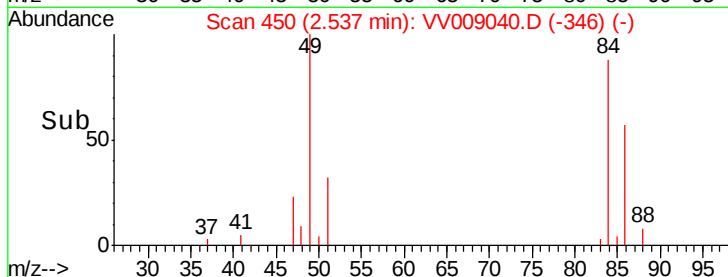
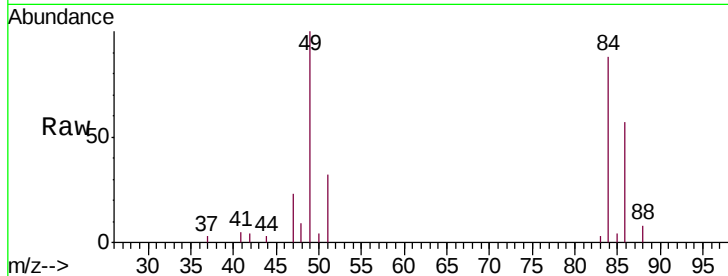




#16
Methylene chloride
Concen: 5.045 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009040.D
Acq: 19 Dec 2018 03:47

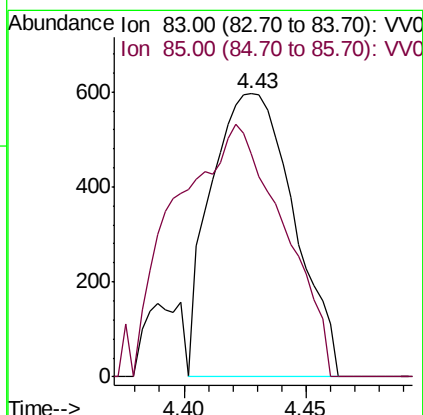
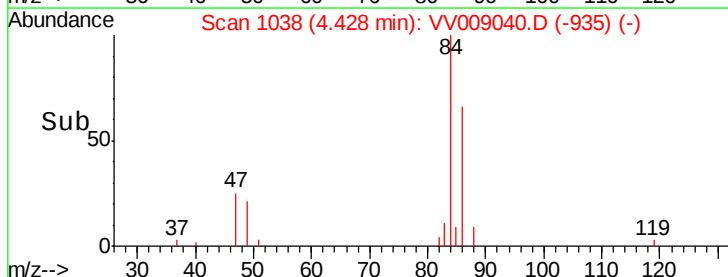
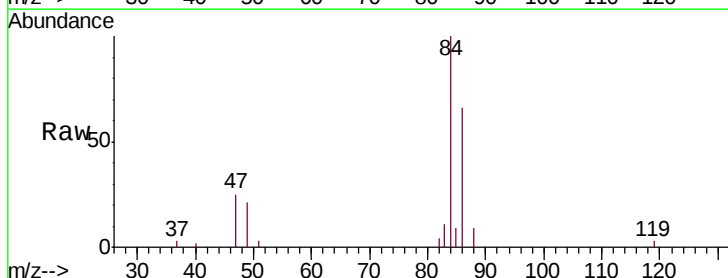
Instrument :
MSVOA_V
ClientSampleId :
BF041

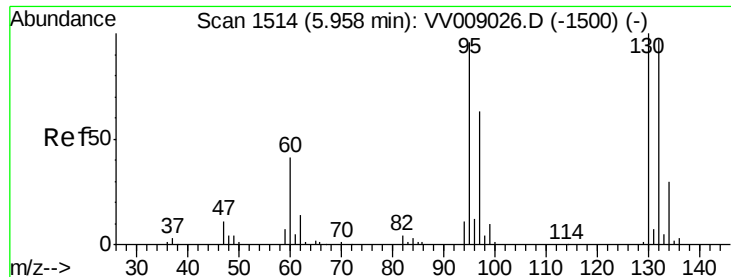
Tgt Ion: 84 Resp: 6713
Ion Ratio Lower Upper
84 100
49 114.2 80.5 149.5
86 65.4 45.5 84.5



#25
Chloroform
Concen: 0.732 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009040.D
Acq: 19 Dec 2018 03:47

Tgt Ion: 83 Resp: 1401
Ion Ratio Lower Upper
83 100
85 116.2 45.6 84.8#





#35

Trichloroethene

Concen: 6.036 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009040.D

Acq: 19 Dec 2018 03:47

Instrument :

MSVOA_V

ClientSampleId :

BF041

Tgt Ion: 95 Resp: 5727

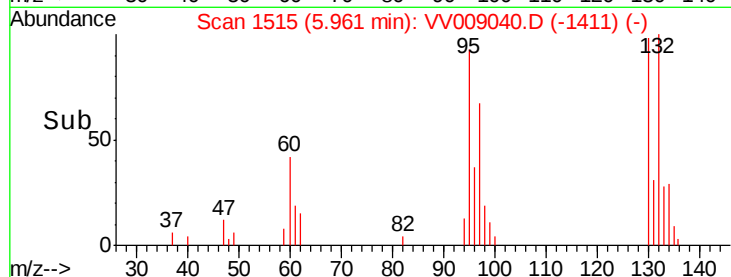
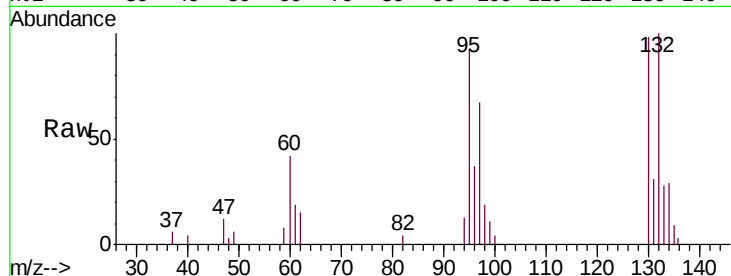
Ion Ratio Lower Upper

95 100

97 70.6 45.3 84.1

132 103.0 70.0 130.0

130 106.4 73.4 136.4

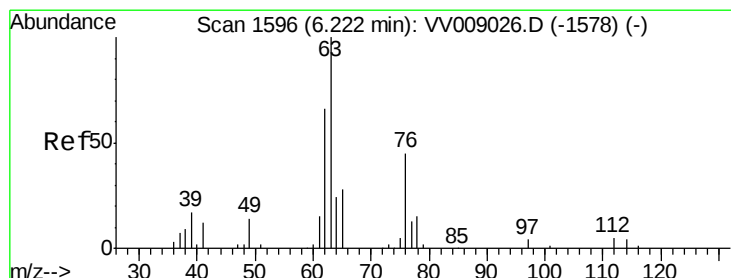
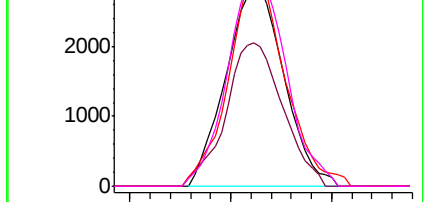


Abundance Ion 95.00 (94.70 to 95.70): VV009026.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009026.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009026.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009026.D (-1500) (-)



#40

1,2-Dichloropropane

Concen: 4.737 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009040.D

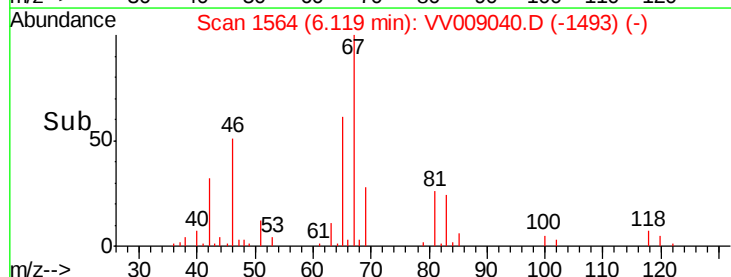
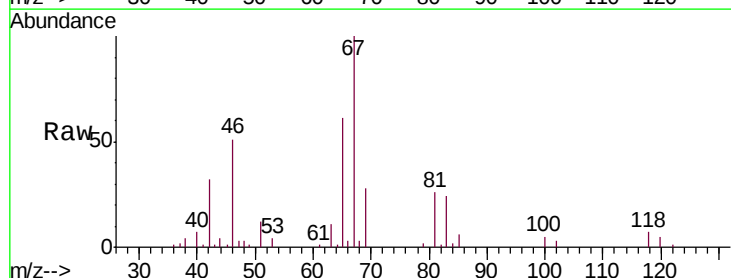
Acq: 19 Dec 2018 03:47

Tgt Ion: 63 Resp: 3578

Ion Ratio Lower Upper

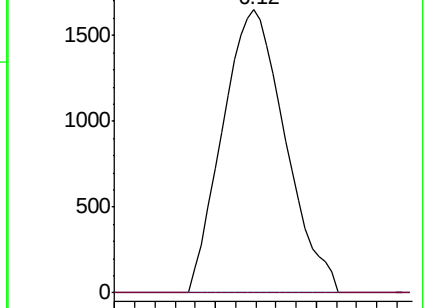
63 100

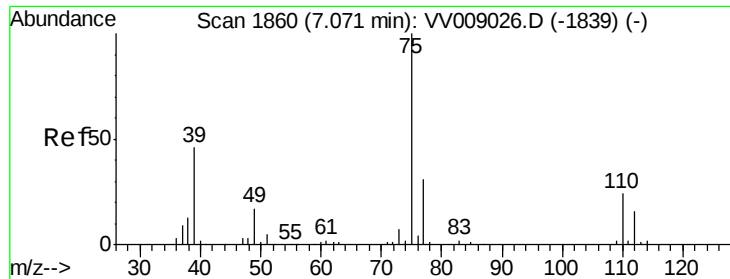
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV009026.D (-1578) (-)

Ion 112.00 (111.70 to 112.70): VV009026.D (-1578) (-)

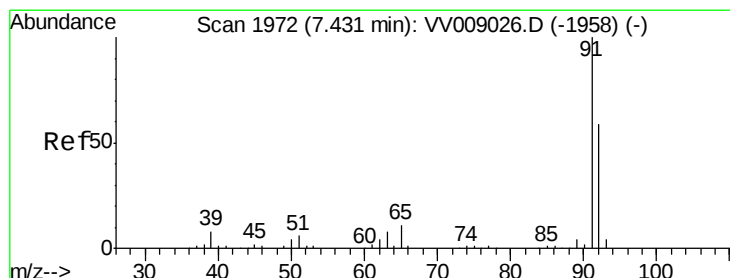
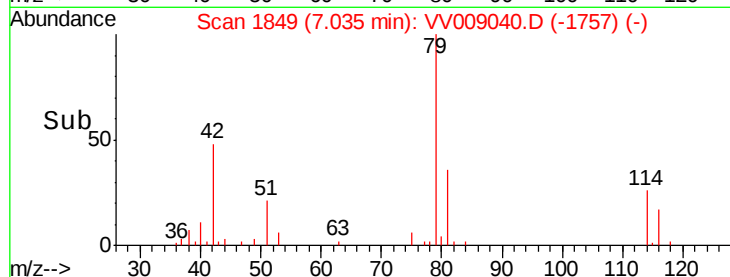
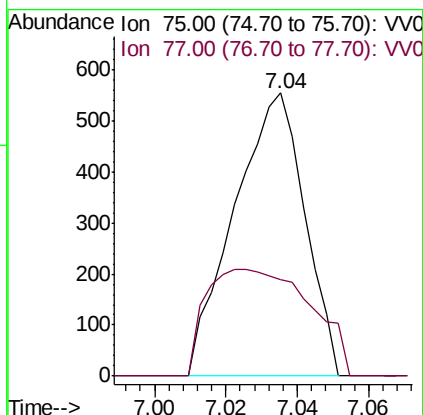
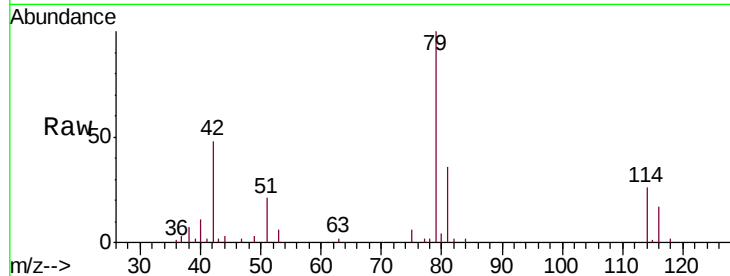




#42
 cis-1,3-Dichloropropene
 Concen: 0.685 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV009040.D
 Acq: 19 Dec 2018 03:47

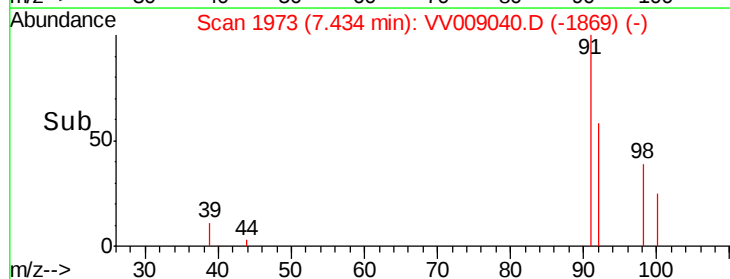
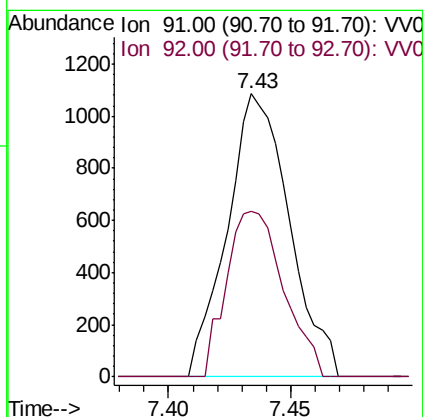
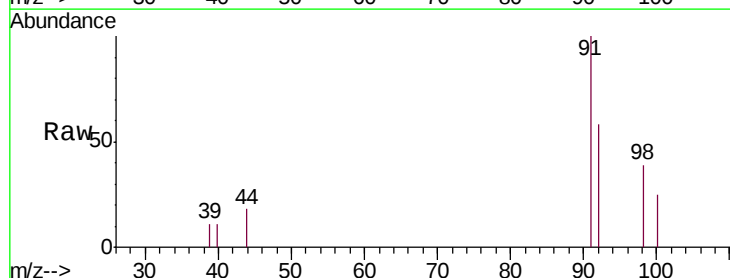
Instrument :
 MSVOA_V
 ClientSampled :
 BF041

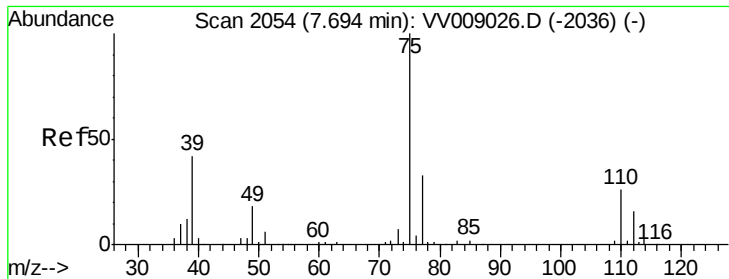
Tgt Ion: 75 Resp: 758
 Ion Ratio Lower Upper
 75 100
 77 34.2 21.3 39.6



#44
 Toluene
 Concen: 0.583 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV009040.D
 Acq: 19 Dec 2018 03:47

Tgt Ion: 91 Resp: 1923
 Ion Ratio Lower Upper
 91 100
 92 58.3 41.7 77.5





#45

trans-1,3-Dichloropropene

Concen: 0.549 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.02 min

Lab File: VV009040.D

Acq: 19 Dec 2018 03:47

Instrument :

MSVOA_V

ClientSampleId :

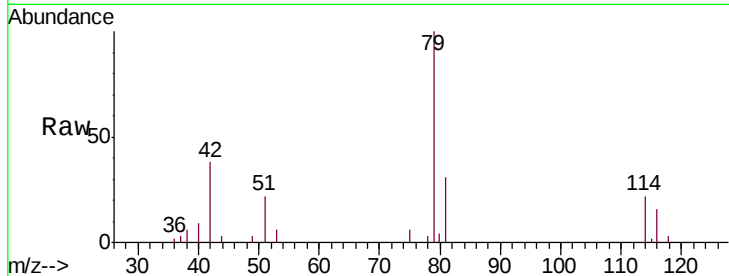
BF041

Tgt Ion: 75 Resp: 529

Ion Ratio Lower Upper

75 100

77 0.0 23.6 43.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

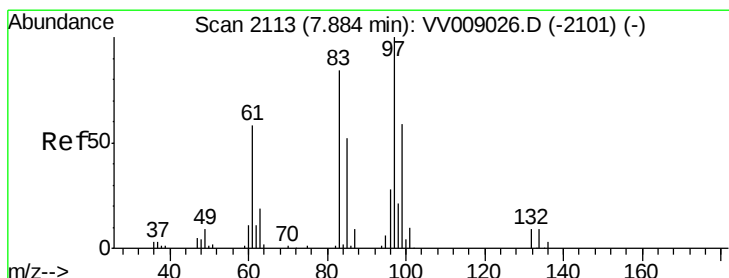
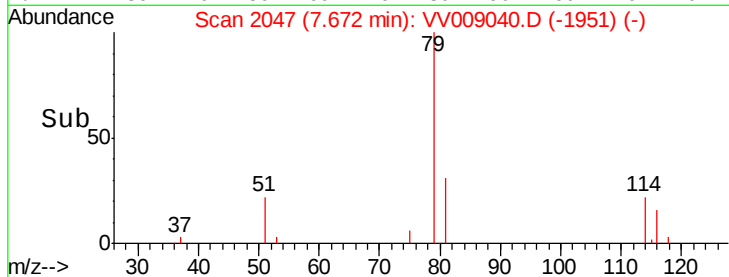
300

200

100

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 9.662 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV009040.D

Acq: 19 Dec 2018 03:47

Tgt Ion: 97 Resp: 6081

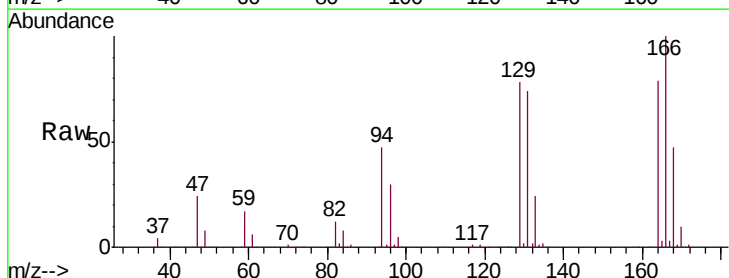
Ion Ratio Lower Upper

97 100

83 239.2 56.6 105.2#

85 32.4 36.6 68.0#

99 14.8 43.2 80.2#



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

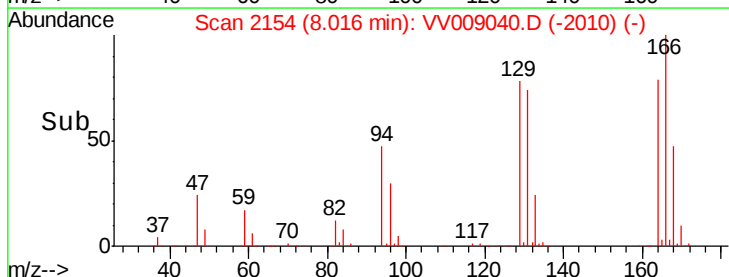
Ion 99.00 (98.70 to 99.70): VV0

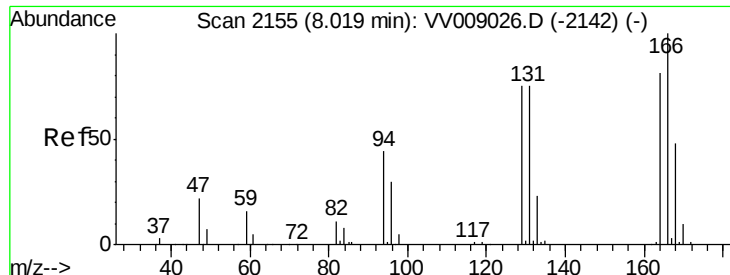
10000

5000

0

Time-->





#47

Tetrachloroethene

Concen: 928.730 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV009040.D

Acq: 19 Dec 2018 03:47

Instrument :

MSVOA_V

ClientSampleId :

BF041

Tgt Ion:164 Resp: 716658

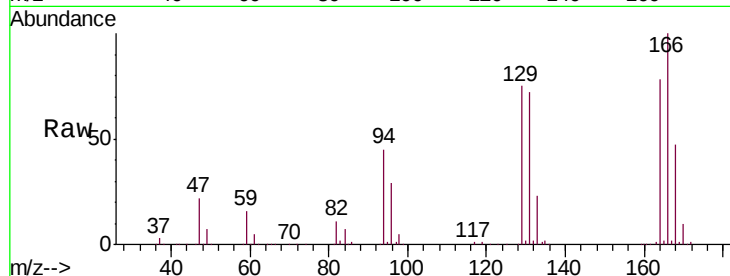
Ion Ratio Lower Upper

164 100

129 96.5 64.6 120.0

131 92.8 64.5 119.7

166 128.7 88.7 164.7

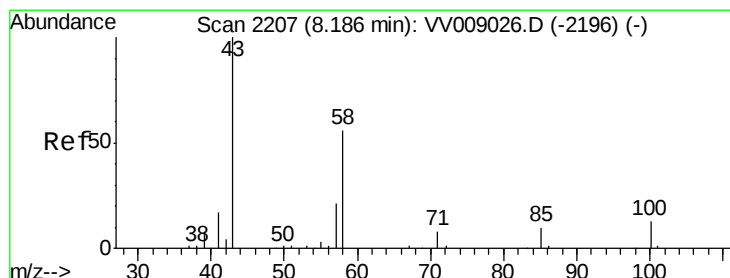
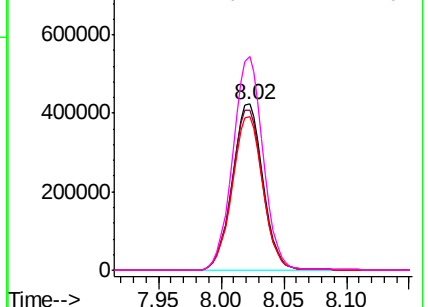
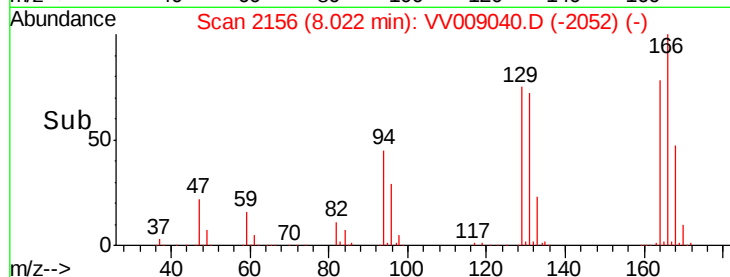


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 6.612 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV009040.D

Acq: 19 Dec 2018 03:47

Tgt Ion: 43 Resp: 2793

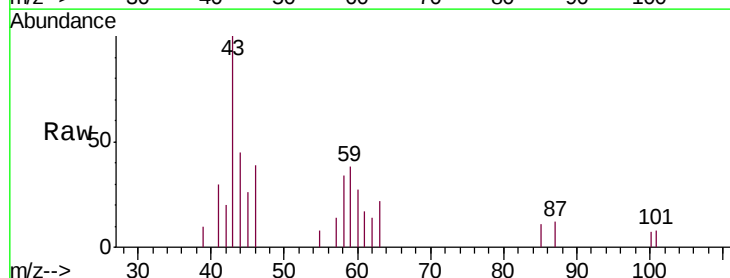
Ion Ratio Lower Upper

43 100

58 56.4 43.9 65.9

57 7.9 15.7 23.5#

100 0.0 11.0 16.4#

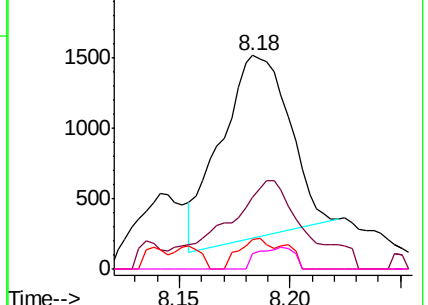
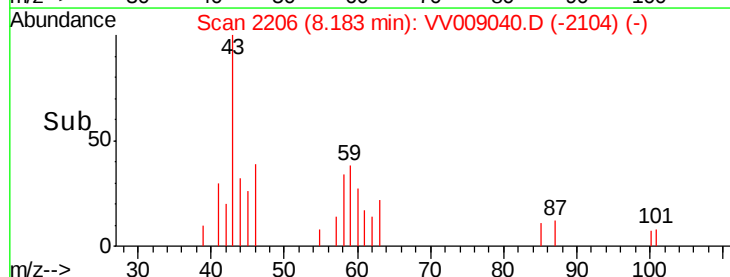


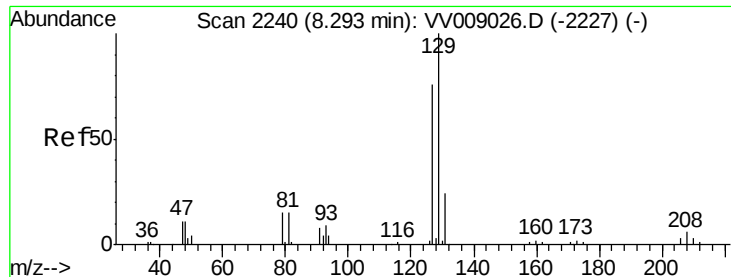
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

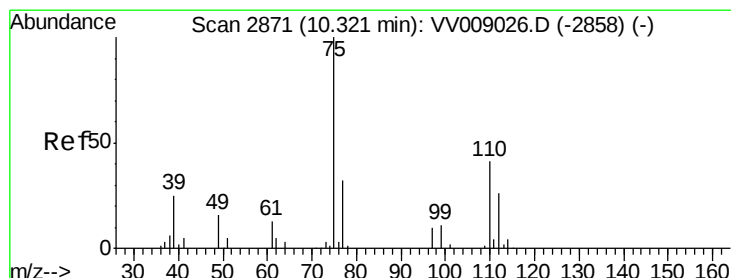
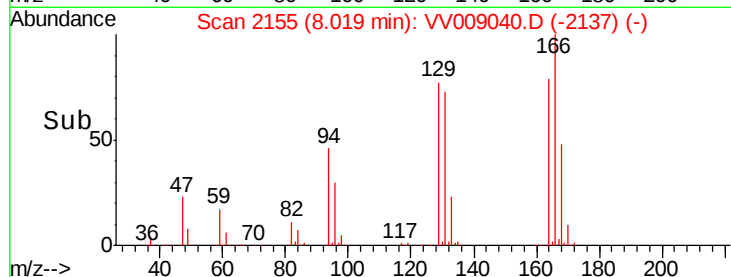
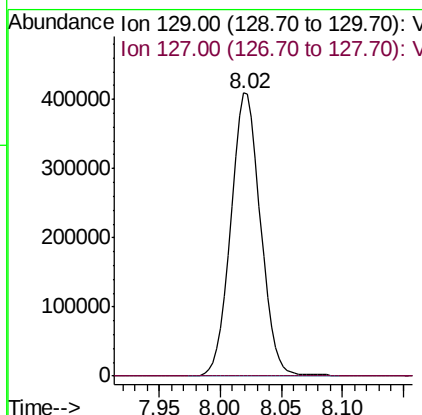
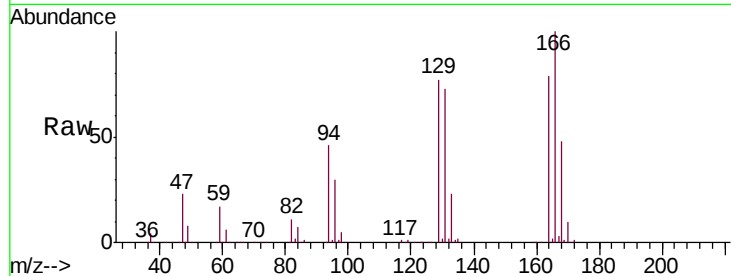




#50
 Dibromochloromethane
 Concen: 964.394 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV009040.D
 Acq: 19 Dec 2018 03:47

Instrument :
 MSVOA_V
 ClientSampleId :
 BF041

Tgt Ion:129 Resp: 695763
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.3#



#59
 1,2,3-Trichloropropane
 Concen: 2.225 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV009040.D
 Acq: 19 Dec 2018 03:47

Tgt Ion: 75 Resp: 1310
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.6 38.4

