

Data File : VV009526.D
Acq On : 07 Mar 2019 13:51
Operator : SY/MD
Sample : K1789-08
Misc : 5.84G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P4

Quant Time: Mar 08 03:04:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	154999	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147481	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66422	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35491	19.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.08%
7) Chloroethane-d5	1.58	69	60759	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	2.12	63	78948	16.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.04%
20) 2-Butanone-d5	3.95	46	22695	35.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.38%
24) Chloroform-d	4.39	84	85118	23.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.07	65	51164	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.44%
29) Benzene-d6	5.09	84	173469	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	6.11	67	52076	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
37) Toluene-d8	7.36	98	166263	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.40%
38) trans-1,3-Dichloropropene-	7.66	79	22186	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.96%
39) 2-Hexanone-d5	8.14	63	17680	35.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47636	20.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.96%
61) 1,2-Dichlorobenzene-d4	11.67	152	57163	23.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.32%

Target Compounds

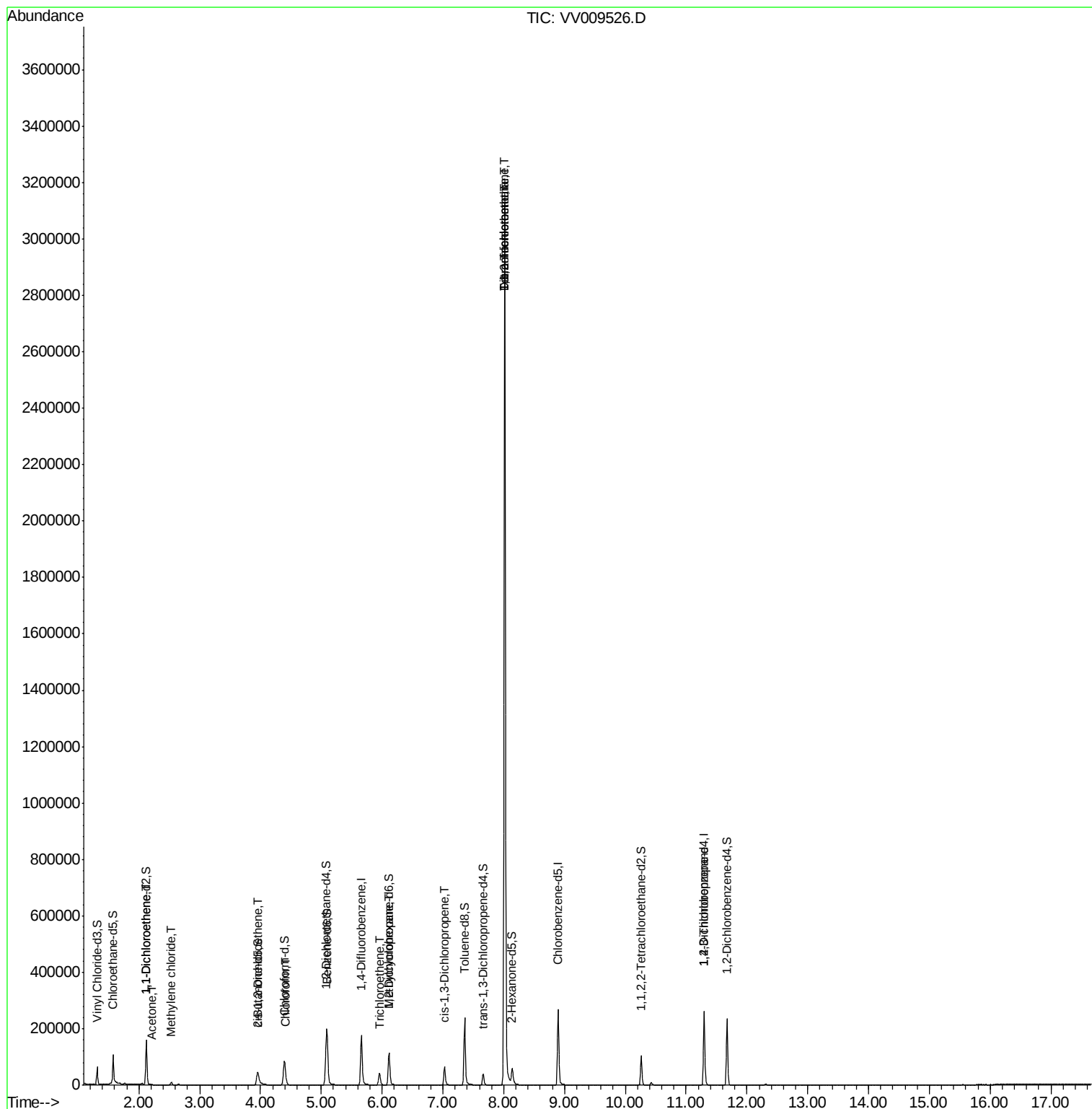
					Qvalue	
12) 1,1-Dichloroethene	2.13	96	1423	0.691	ug/L #	1
13) Acetone	2.22	43	932	1.442	ug/L	60
16) Methylene chloride	2.53	84	4219	2.074	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	18208	8.713	ug/L	98
25) Chloroform	4.42	83	2982	0.819	ug/L	84
35) Trichloroethene	5.95	95	14667	6.697	ug/L	99
36) Methylcyclohexane	6.11	83	13049	3.658	ug/L #	20
42) cis-1,3-Dichloropropene	7.03	75	1947	0.638	ug/L #	71
46) 1,1,2-Trichloroethane	8.02	97	6474	3.966	ug/L #	8
47) Tetrachloroethene	8.02	164	622316	374.639	ug/L	96
50) Dibromochloromethane	8.02	129	625431	316.458	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	9169	5.518	ug/L	93

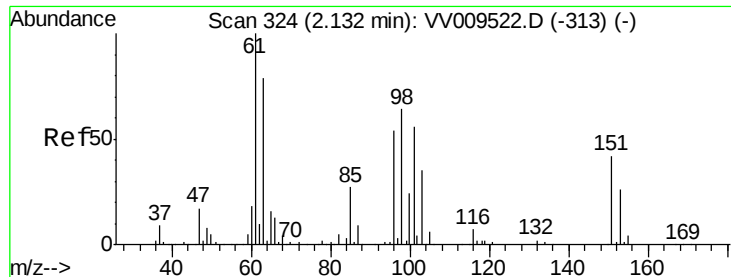
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.691 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009526.D

Acq: 07 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampled :

BF0P4

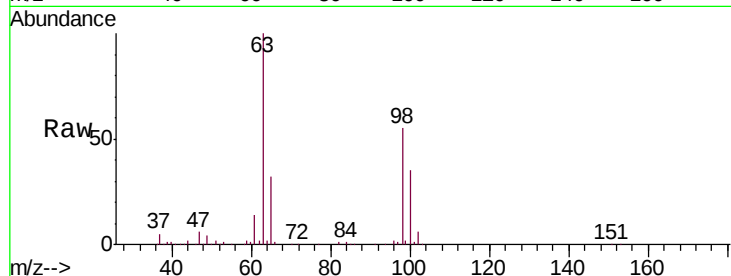
Tgt Ion: 96 Resp: 1423

Ion Ratio Lower Upper

96 100

61 868.8 136.9 254.3#

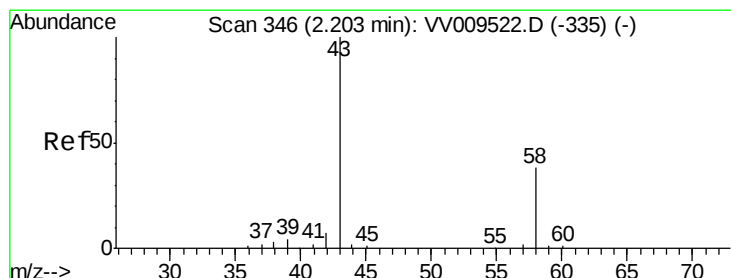
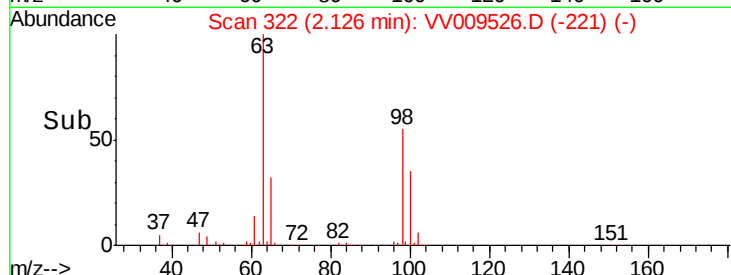
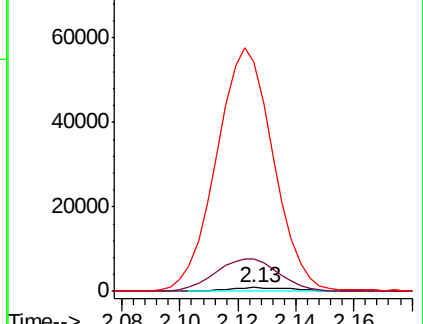
63 6222.0 108.7 201.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 1.442 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV009526.D

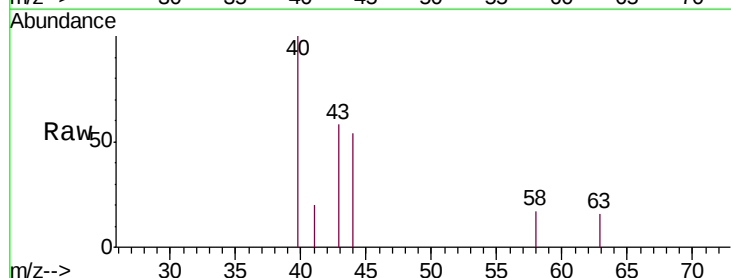
Acq: 07 Mar 2019 13:51

Tgt Ion: 43 Resp: 932

Ion Ratio Lower Upper

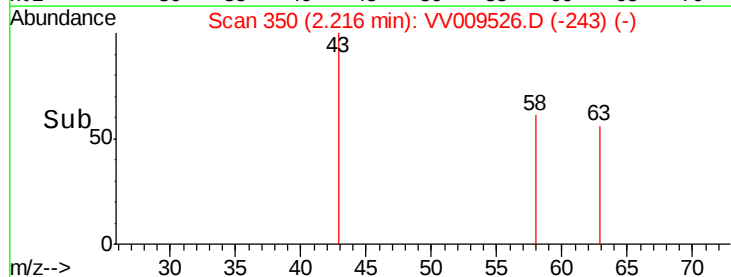
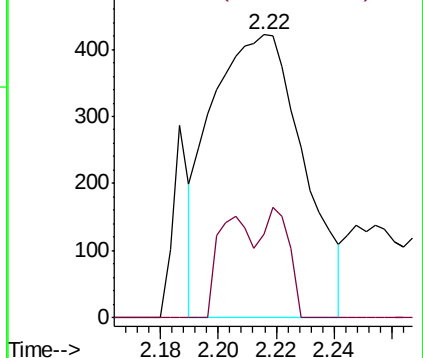
43 100

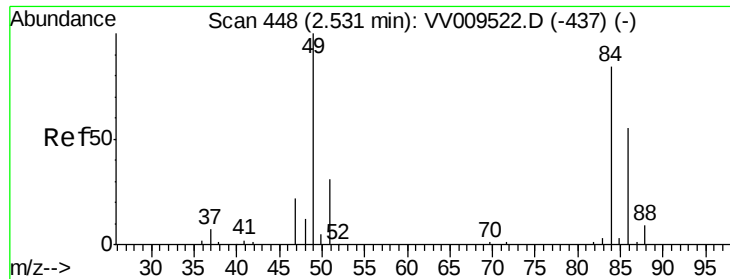
58 11.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

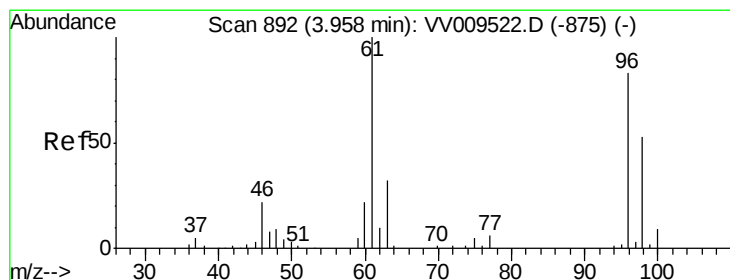
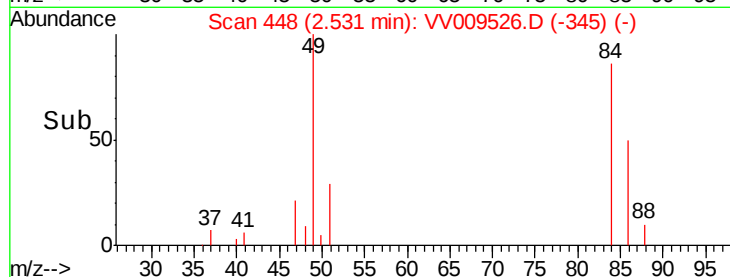
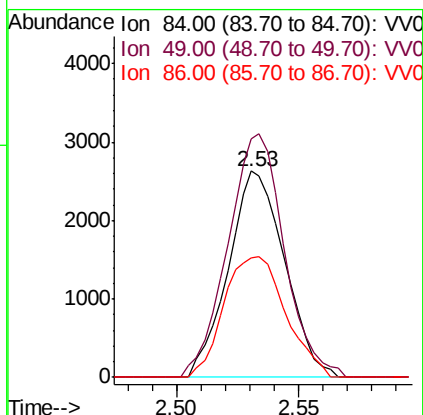
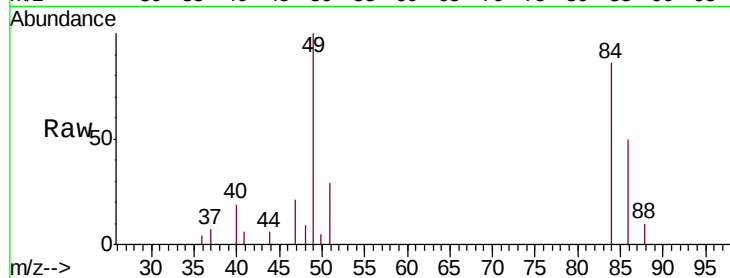




#16
Methylene chloride
Concen: 2.074 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV009526.D
Acq: 07 Mar 2019 13:51

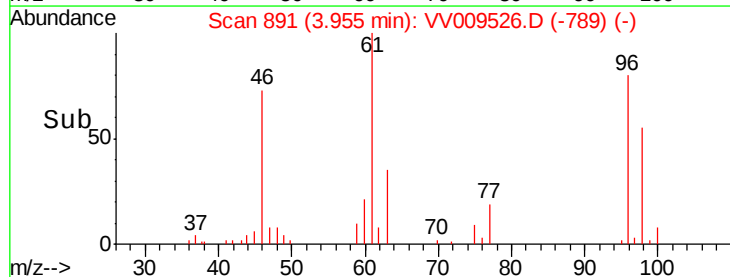
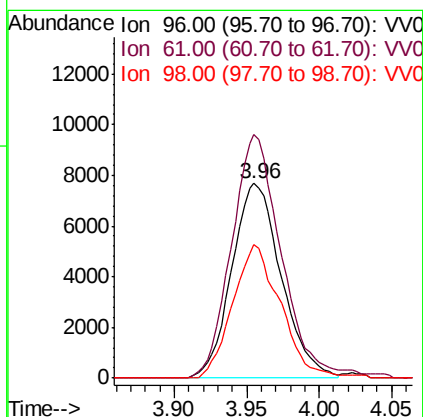
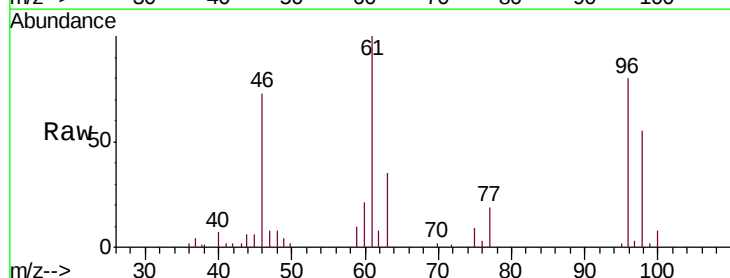
Instrument :
MSVOA_V
ClientSampled :
BF0P4

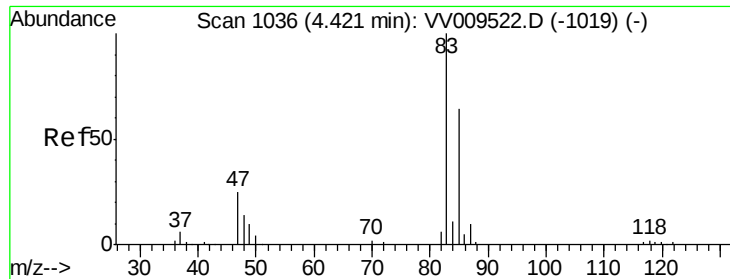
Tgt Ion: 84 Resp: 4219
Ion Ratio Lower Upper
84 100
49 115.6 84.6 157.0
86 58.0 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 8.713 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV009526.D
Acq: 07 Mar 2019 13:51

Tgt Ion: 96 Resp: 18208
Ion Ratio Lower Upper
96 100
61 125.2 87.2 161.9
98 68.4 44.6 82.8

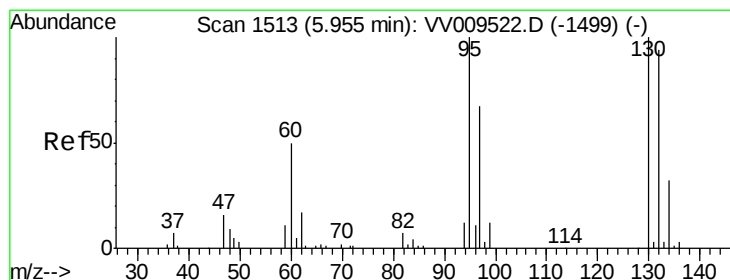
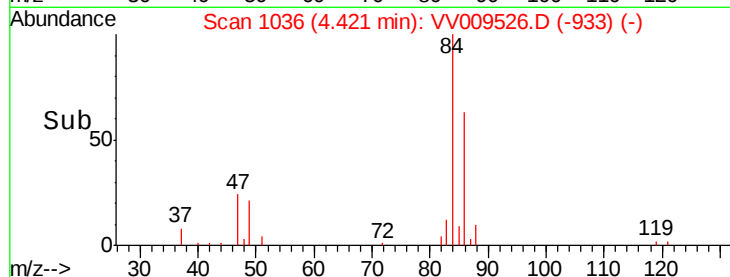
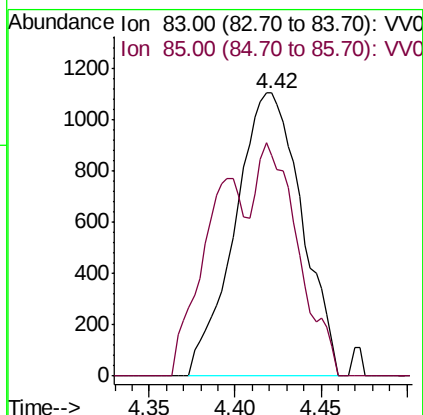
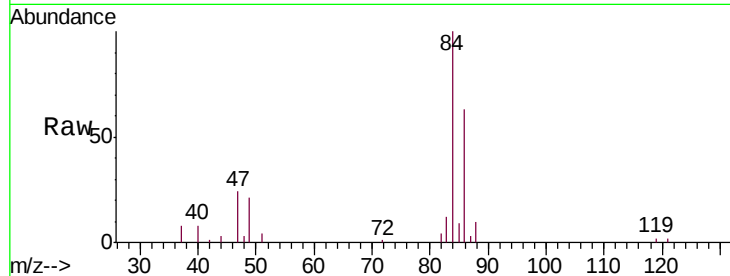




#25
Chloroform
Concen: 0.819 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009526.D
Acq: 07 Mar 2019 13:51

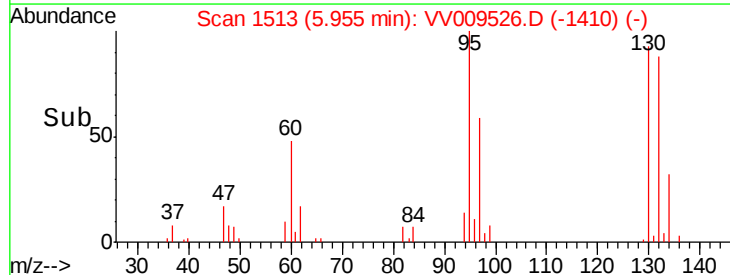
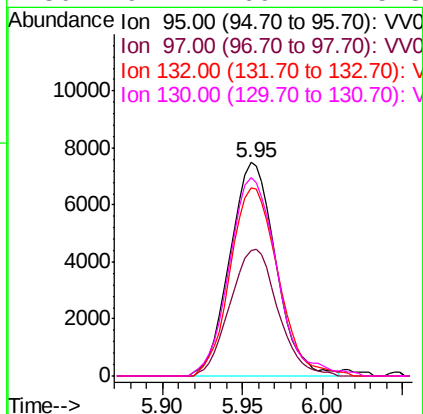
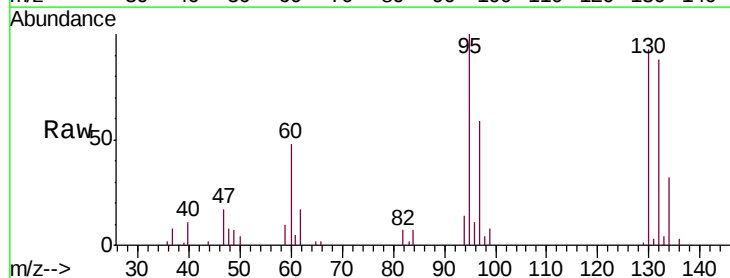
Instrument :
MSVOA_V
ClientSampled :
BF0P4

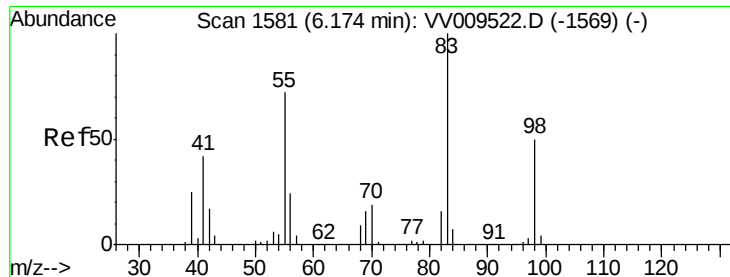
Tgt Ion: 83 Resp: 2982
Ion Ratio Lower Upper
83 100
85 52.4 45.4 84.2



#35
Trichloroethene
Concen: 6.697 ug/L
RT: 5.95 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV009526.D
Acq: 07 Mar 2019 13:51

Tgt Ion: 95 Resp: 14667
Ion Ratio Lower Upper
95 100
97 61.8 44.3 82.3
132 92.0 64.4 119.6
130 97.1 69.4 128.8

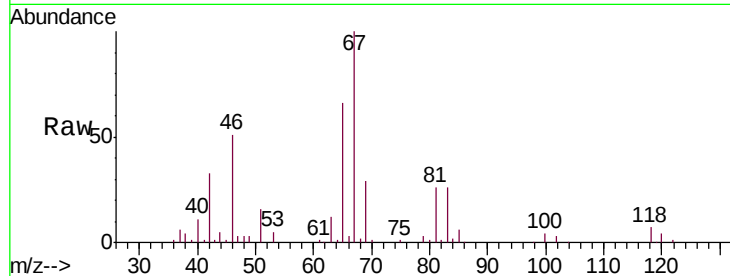




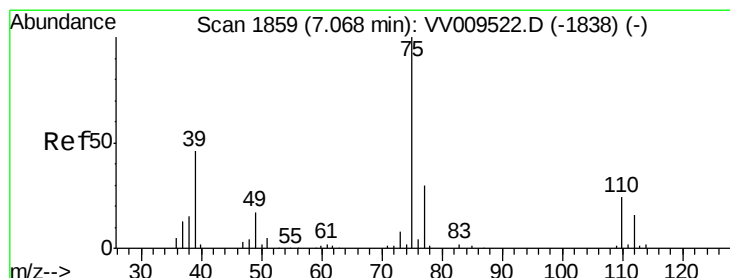
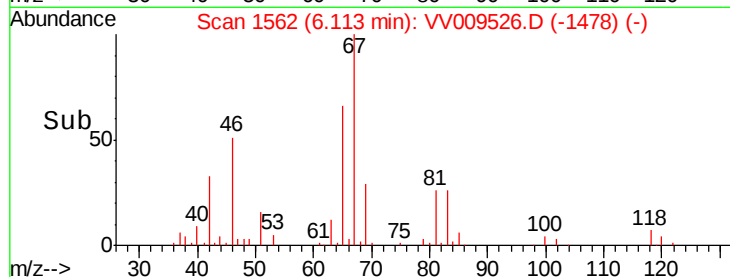
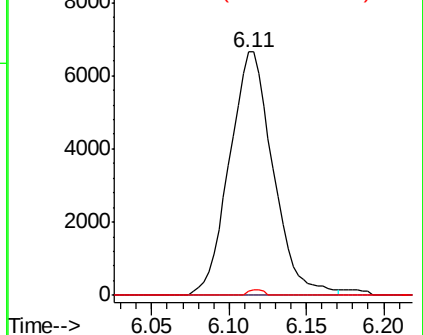
#36
Methylcyclohexane
Concen: 3.658 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV009526.D
Acq: 07 Mar 2019 13:51

Instrument :
MSVOA_V
ClientSampleId :
BF0P4

Tgt Ion: 83 Resp: 13049
Ion Ratio Lower Upper
83 100
55 0.0 58.8 88.2#
98 0.7 37.7 56.5#

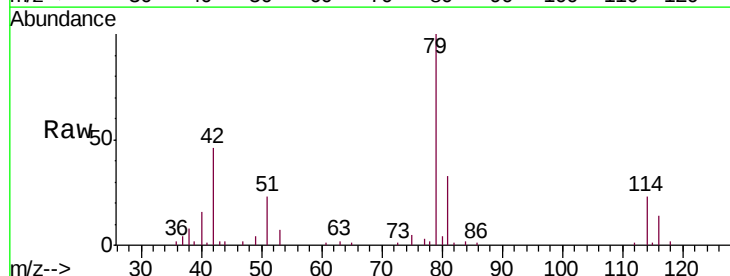


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

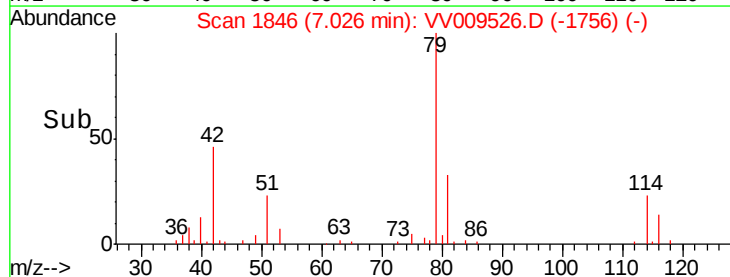
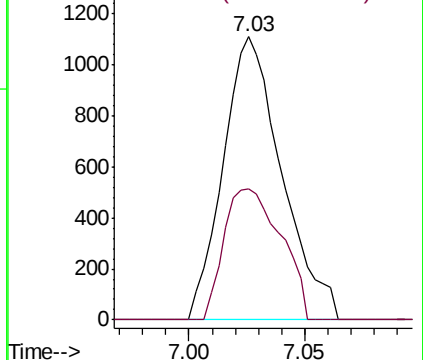


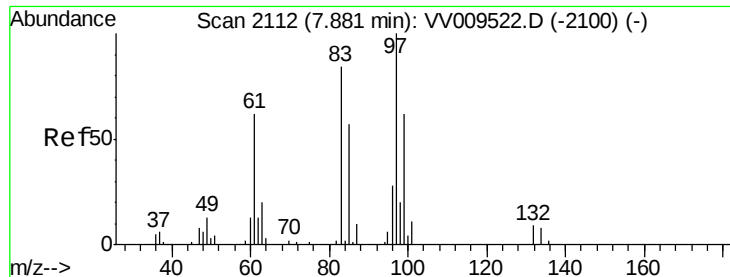
#42
cis-1,3-Dichloropropene
Concen: 0.638 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV009526.D
Acq: 07 Mar 2019 13:51

Tgt Ion: 75 Resp: 1947
Ion Ratio Lower Upper
75 100
77 46.3 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#46

1,1,2-Trichloroethane

Concen: 3.966 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.14 min

Lab File: VV009526.D

Acq: 07 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

BF0P4

Tgt Ion: 97 Resp: 6474

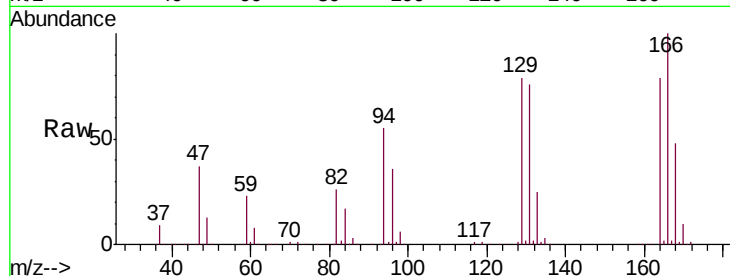
Ion Ratio Lower Upper

97 100

83 249.3 63.8 118.6#

85 50.2 39.5 73.4

99 18.2 45.9 85.3#



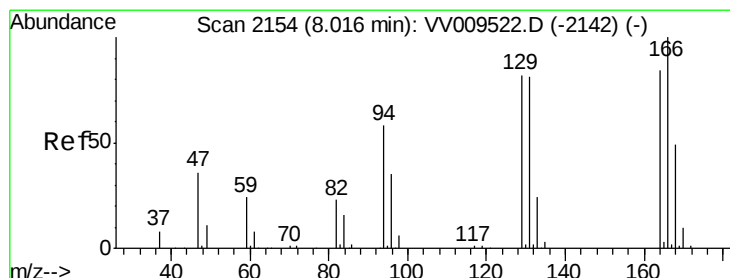
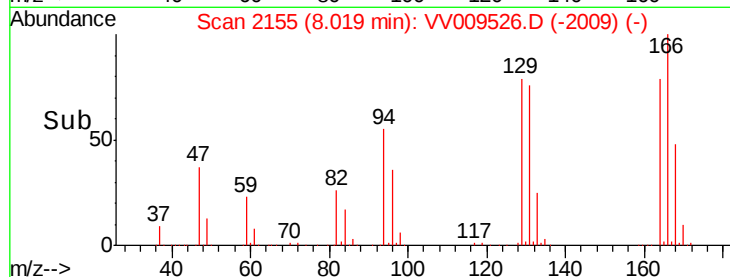
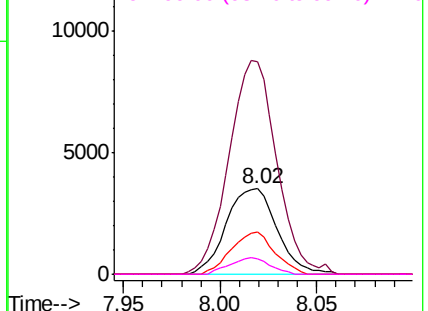
Abundance

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



#47

Tetrachloroethene

Concen: 374.639 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009526.D

Acq: 07 Mar 2019 13:51

Tgt Ion: 164 Resp: 622316

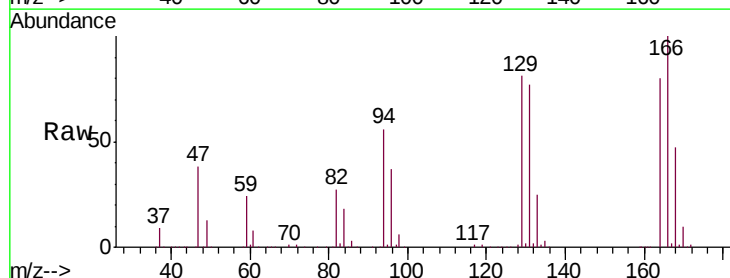
Ion Ratio Lower Upper

164 100

129 101.0 67.7 125.7

131 96.3 67.5 125.3

166 125.4 81.6 151.6



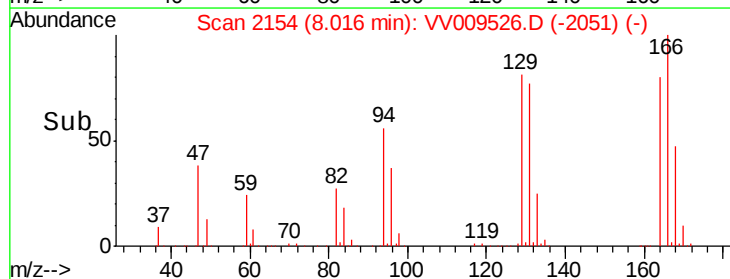
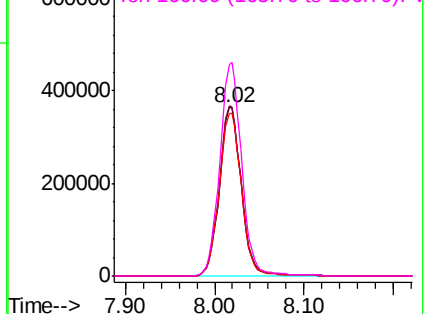
Abundance

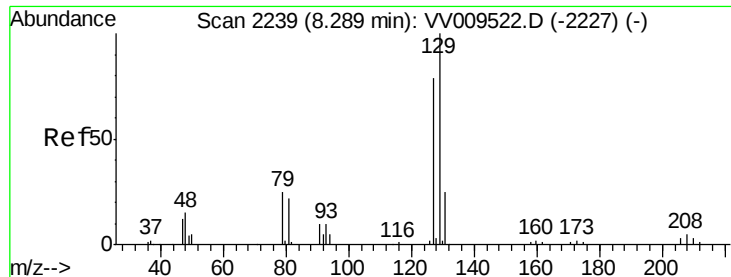
Ion 164.00 (163.70 to 164.70): V

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

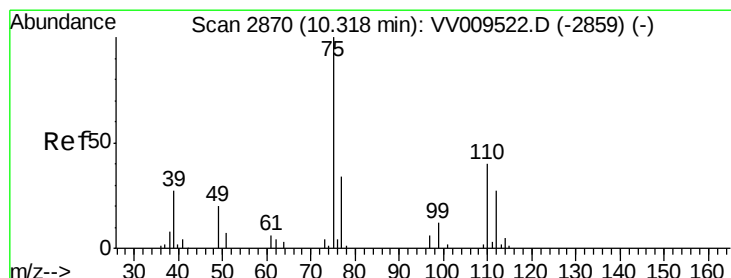
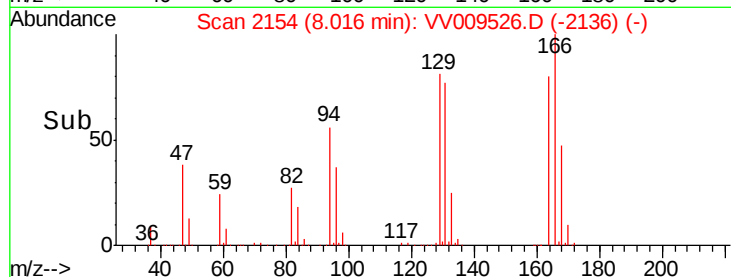
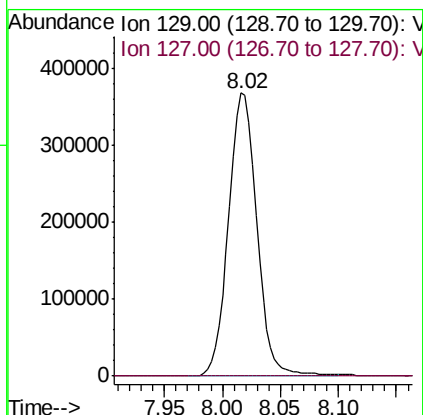
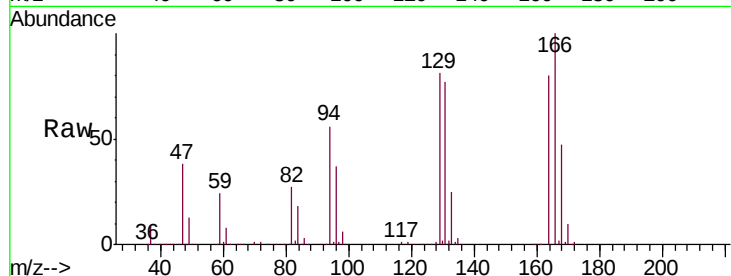




#50
 Dibromochloromethane
 Concen: 316.458 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.27 min
 Lab File: VV009526.D
 Acq: 07 Mar 2019 13:51

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P4

Tgt Ion:129 Resp: 625431
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.7 99.7#



#59
 1,2,3-Trichloropropane
 Concen: 5.518 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009526.D
 Acq: 07 Mar 2019 13:51

Tgt Ion: 75 Resp: 9169
 Ion Ratio Lower Upper
 75 100
 77 36.2 25.9 38.9

