

Data File : VV009536.D
Acq On : 07 Mar 2019 18:19
Operator : SY/MD
Sample : K1789-05
Misc : 6.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P1

Quant Time: Mar 08 03:06:40 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	5.67	114	124080	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	125019	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56564	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32093	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.96%
7) Chloroethane-d5	1.57	69	36248	16.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.12%
10) 1,1-Dichloroethene-d2	2.13	63	73861	19.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.00%
20) 2-Butanone-d5	3.94	46	29612	58.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.36%
24) Chloroform-d	4.40	84	78196	26.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.08	65	50884	30.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.04%
29) Benzene-d6	5.10	84	162197	26.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.80%
33) 1,2-Dichloropropane-d6	6.12	67	52334	28.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.56%
37) Toluene-d8	7.36	98	155518	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.04%
38) trans-1,3-Dichloropropene-	7.66	79	22112	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.88%
39) 2-Hexanone-d5	8.13	63	23780	55.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54293	27.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	60331	29.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	116.88%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	2.13	101	1724	0.501	ug/L #	73
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1724	0.894	ug/L #	63
12) 1,1-Dichloroethene	2.14	96	2740	1.661	ug/L #	1
13) Acetone	2.20	43	594	1.148	ug/L	84
16) Methylene chloride	2.54	84	2522	1.549	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	26298	15.721	ug/L	99
25) Chloroform	4.42	83	3862	1.325	ug/L #	61
27) 1,2-Dichloroethane	5.10	62	987	0.488	ug/L #	77
35) Trichloroethene	5.96	95	30970	16.682	ug/L	98
40) 1,2-Dichloropropane	6.12	63	6167	3.702	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1899	0.734	ug/L #	68
45) trans-1,3-Dichloropropene	7.67	75	1134	0.502	ug/L	99
46) 1,1,2-Trichloroethane	8.02	97	16234	11.731	ug/L #	15
47) Tetrachloroethene	8.02	164	1569529	1114.633	ug/L	96
50) Dibromochloromethane	8.02	129	1577732	941.738	ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030719\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

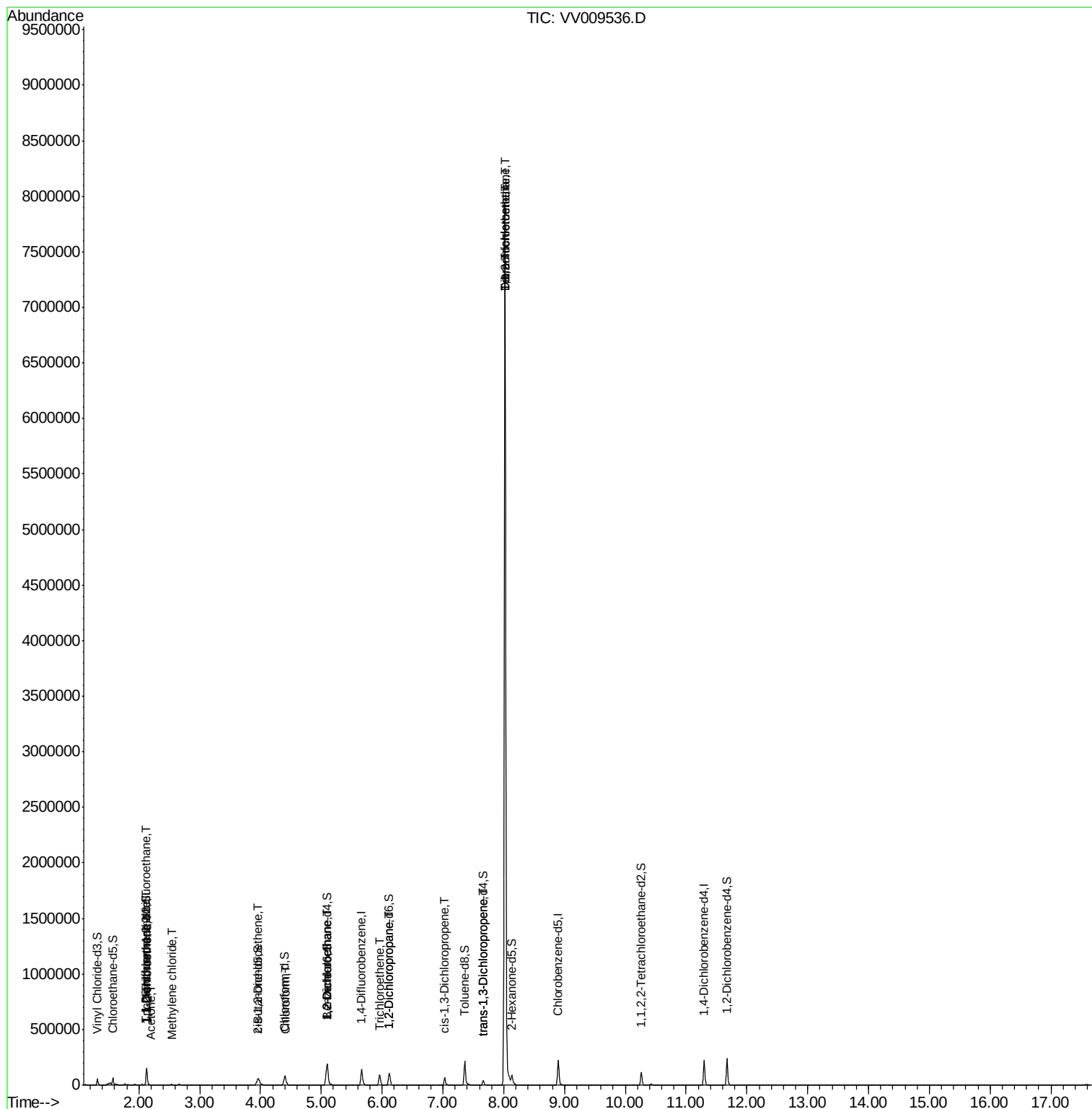
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

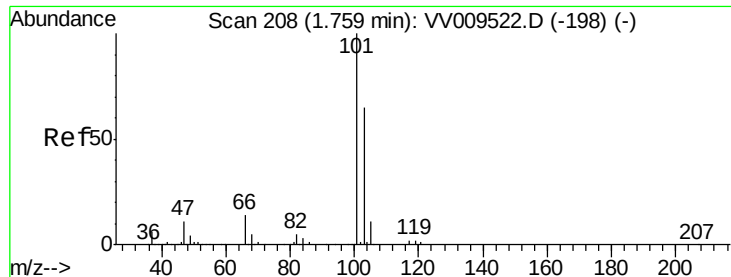
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.501 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.37 min

Lab File: VV009536.D

Acq: 07 Mar 2019 18:19

Instrument :

MSVOA_V

ClientSampleId :

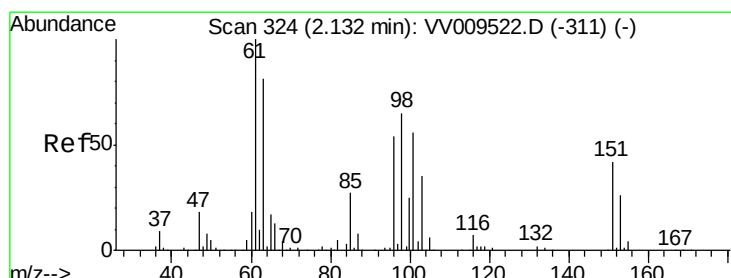
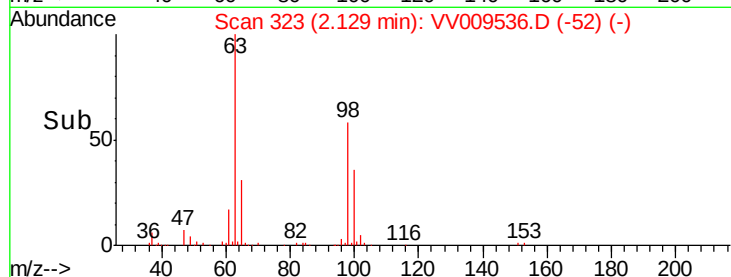
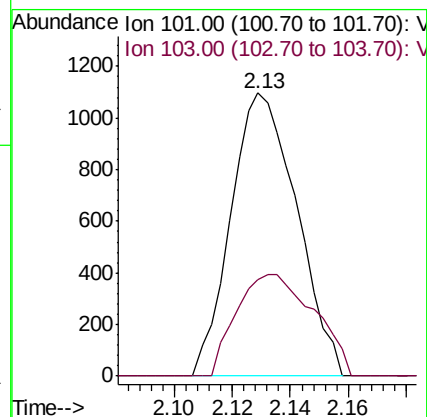
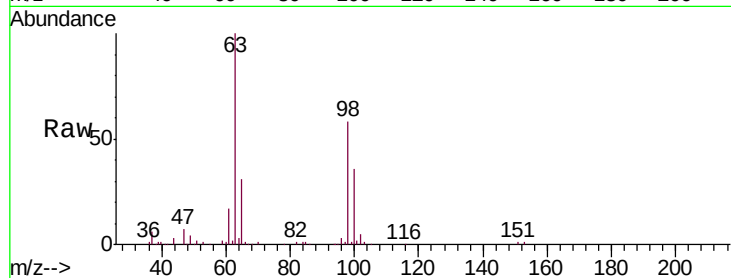
BF0P1

Tgt Ion:101 Resp: 1724

Ion Ratio Lower Upper

101 100

103 42.5 44.7 83.1#



#11

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

Concen: 0.894 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009536.D

Acq: 07 Mar 2019 18:19

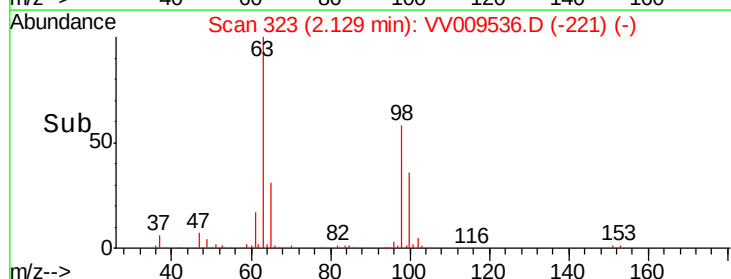
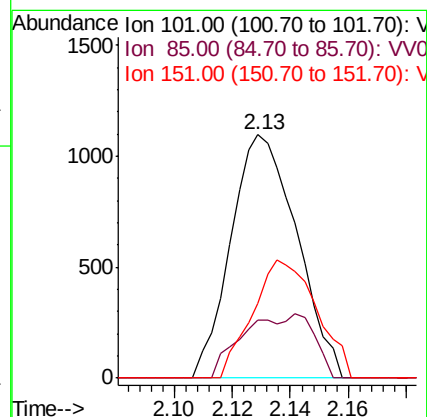
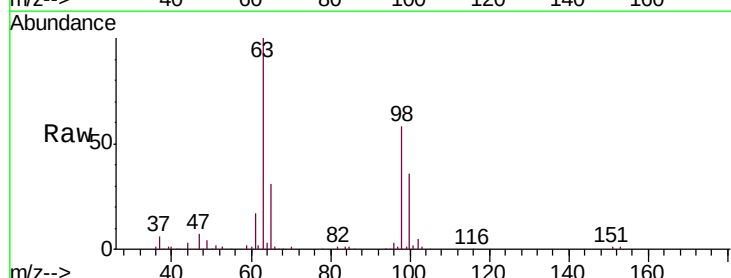
Tgt Ion:101 Resp: 1724

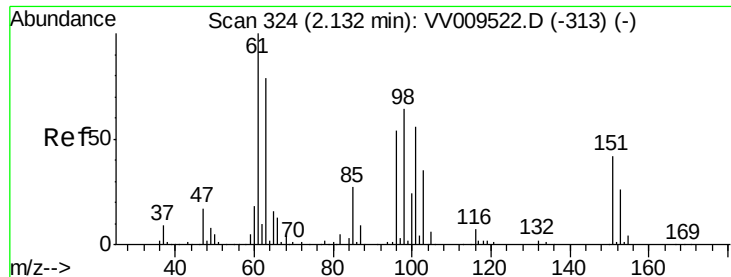
Ion Ratio Lower Upper

101 100

85 15.8 40.1 60.1#

151 47.2 55.9 83.9#

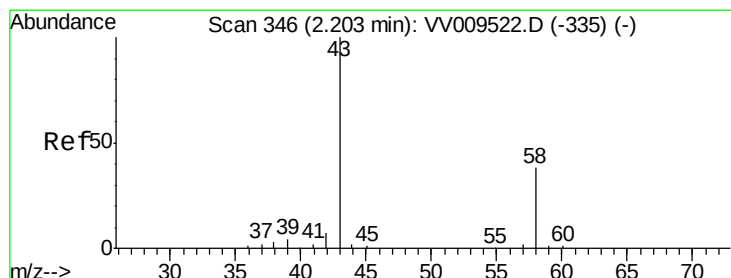
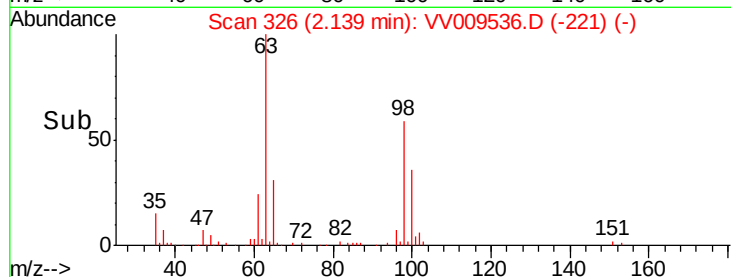
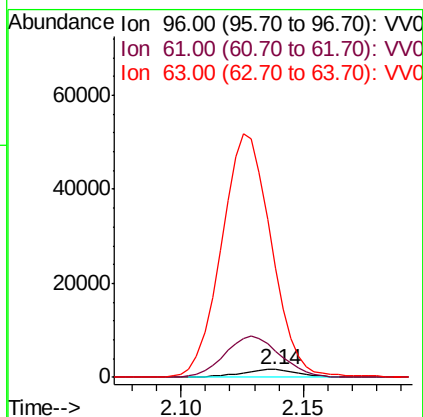
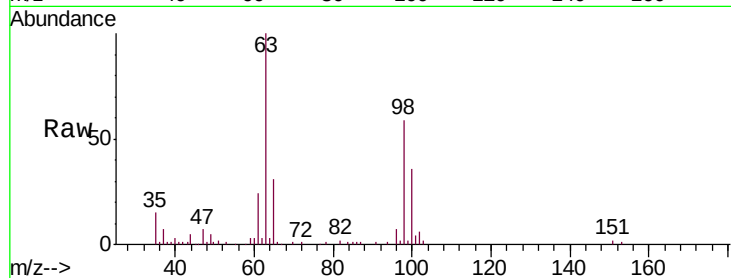




#12
 1,1-Dichloroethene
 Concen: 1.661 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VV009536.D
 Acq: 07 Mar 2019 18:19

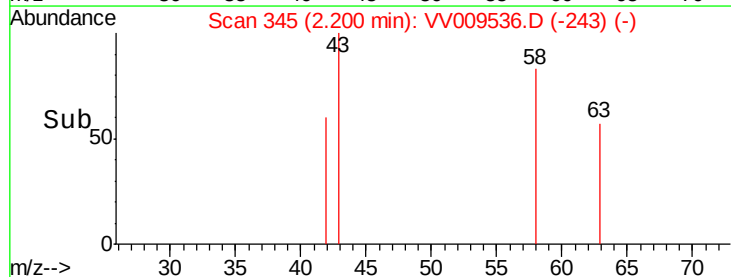
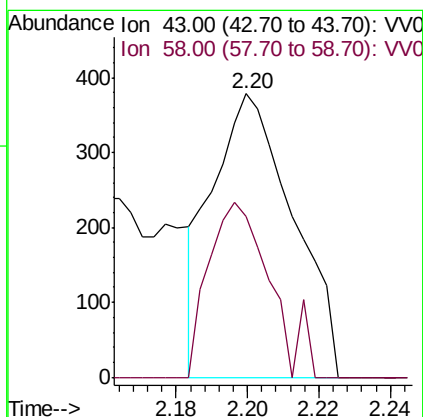
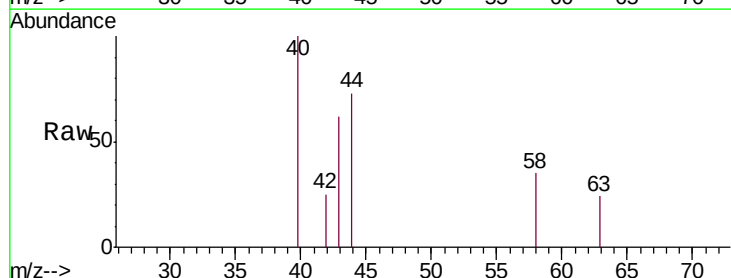
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P1

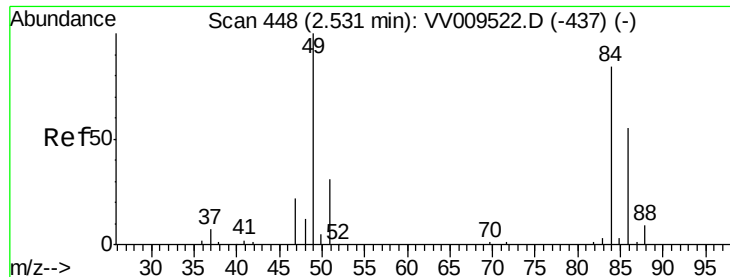
Tgt Ion: 96 Resp: 2740
 Ion Ratio Lower Upper
 96 100
 61 346.0 136.9 254.3#
 63 1416.5 108.7 201.9#



#13
 Acetone
 Concen: 1.148 ug/L
 RT: 2.20 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VV009536.D
 Acq: 07 Mar 2019 18:19

Tgt Ion: 43 Resp: 594
 Ion Ratio Lower Upper
 43 100
 58 43.6 0.0 68.8

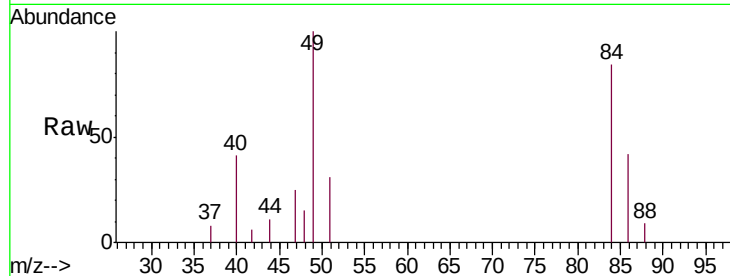




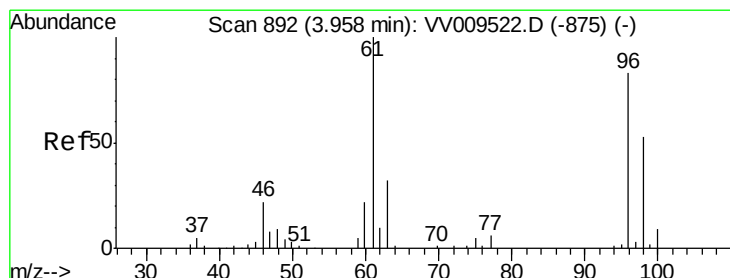
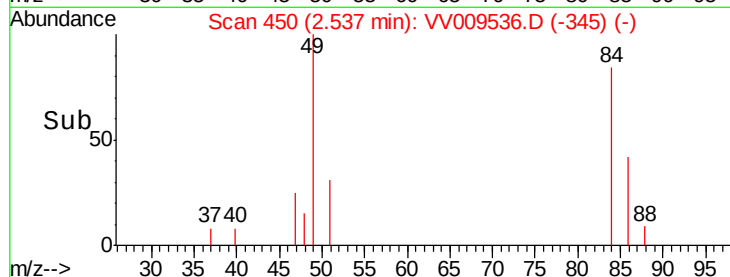
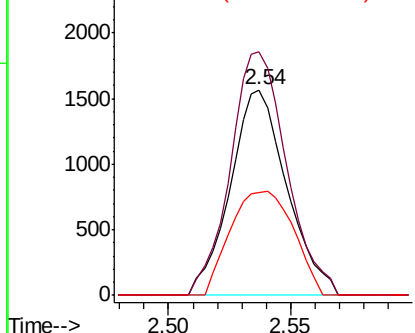
#16
Methylene chloride
Concen: 1.549 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV009536.D
Acq: 07 Mar 2019 18:19

Instrument :
MSVOA_V
ClientSampleID :
BF0P1

Tgt Ion: 84 Resp: 2522
Ion Ratio Lower Upper
84 100
49 118.4 84.6 157.0
86 49.9 46.1 85.7

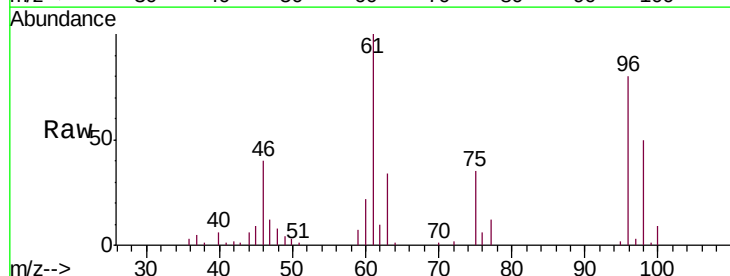


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

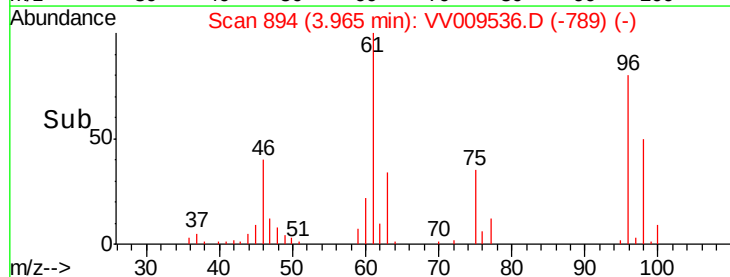
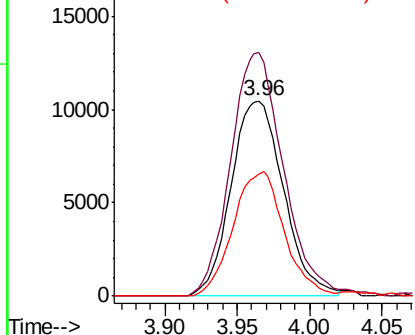


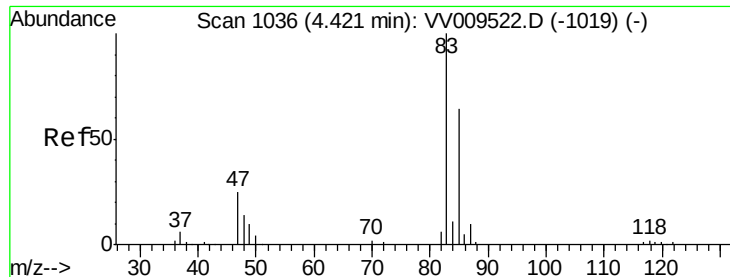
#22
cis-1,2-Dichloroethene
Concen: 15.721 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV009536.D
Acq: 07 Mar 2019 18:19

Tgt Ion: 96 Resp: 26298
Ion Ratio Lower Upper
96 100
61 124.8 87.2 161.9
98 62.4 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

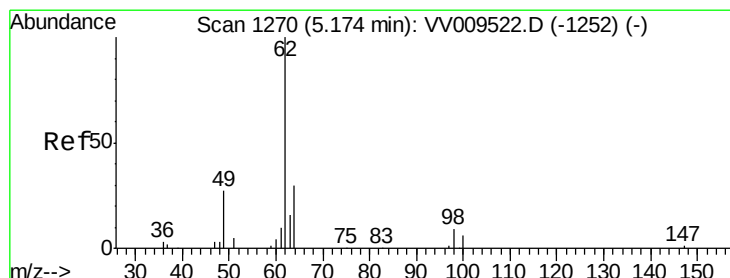
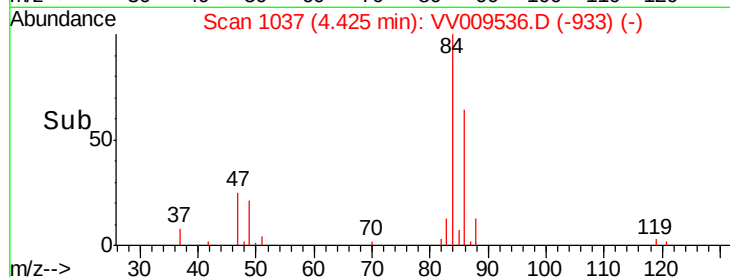
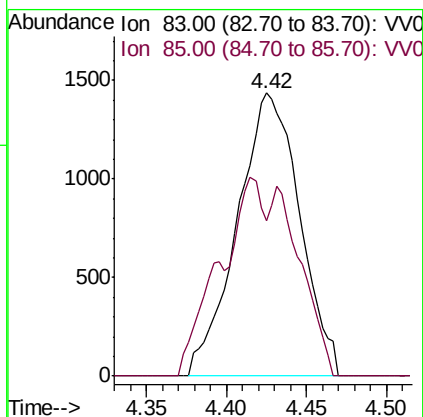
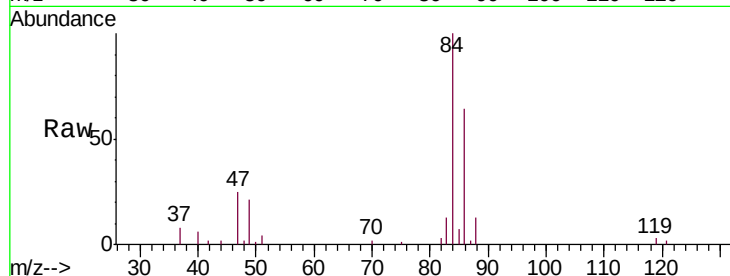




#25
Chloroform
Concen: 1.325 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009536.D
Acq: 07 Mar 2019 18:19

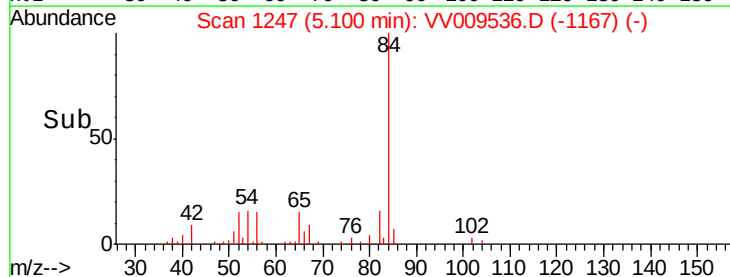
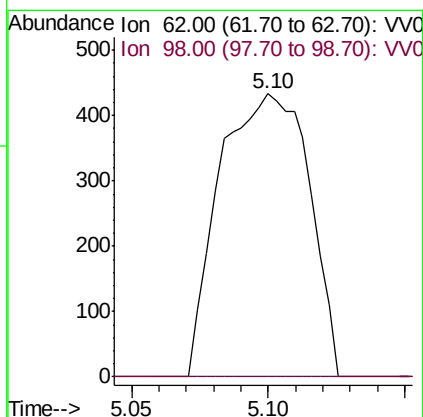
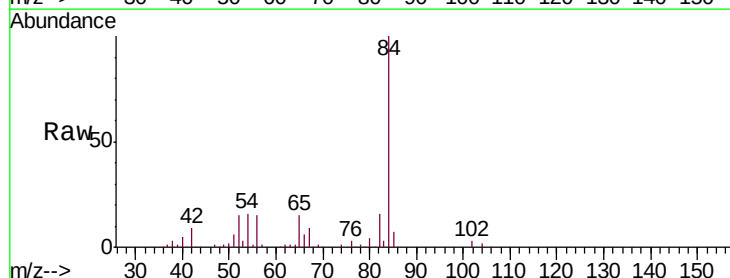
Instrument :
MSVOA_V
ClientSampled :
BF0P1

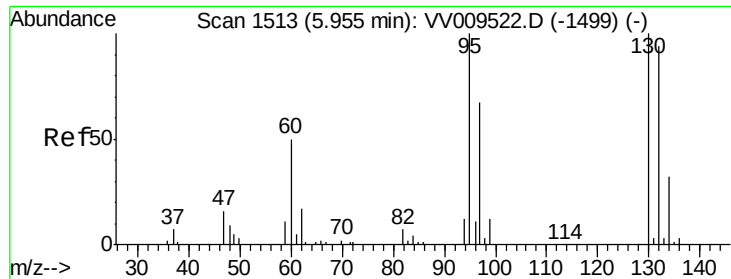
Tgt Ion: 83 Resp: 3862
Ion Ratio Lower Upper
83 100
85 34.3 45.4 84.2#



#27
1,2-Dichloroethane
Concen: 0.488 ug/L
RT: 5.10 min Scan# 1247
Delta R.T. -0.07 min
Lab File: VV009536.D
Acq: 07 Mar 2019 18:19

Tgt Ion: 62 Resp: 987
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#35

Trichloroethene

Concen: 16.682 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009536.D

Acq: 07 Mar 2019 18:19

Instrument :

MSVOA_V

ClientSampleId :

BF0P1

Tgt Ion: 95 Resp: 30970

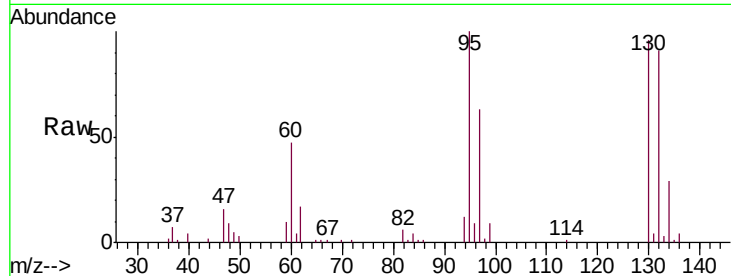
Ion Ratio Lower Upper

95 100

97 65.3 44.3 82.3

132 93.6 64.4 119.6

130 98.4 69.4 128.8

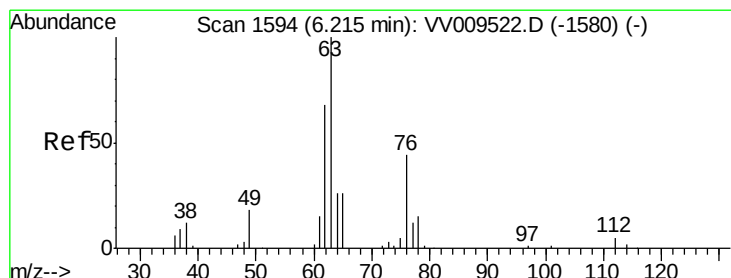
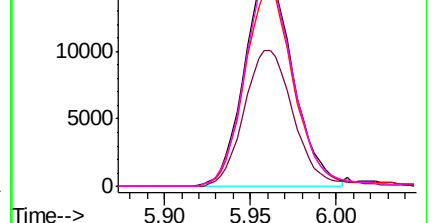
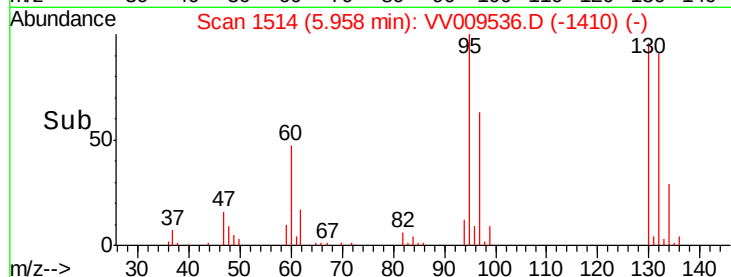


Abundance Ion 95.00 (94.70 to 95.70): VV009522.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV009522.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV009522.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV009522.D (-1499) (-)



#40

1,2-Dichloropropane

Concen: 3.702 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009536.D

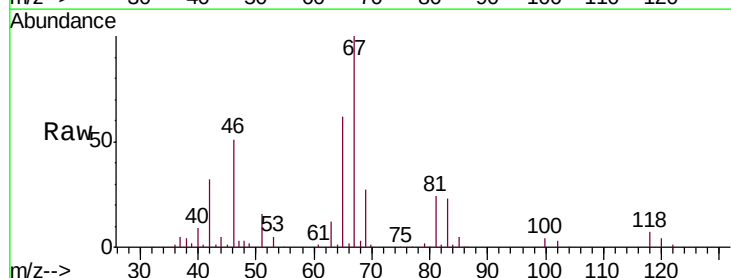
Acq: 07 Mar 2019 18:19

Tgt Ion: 63 Resp: 6167

Ion Ratio Lower Upper

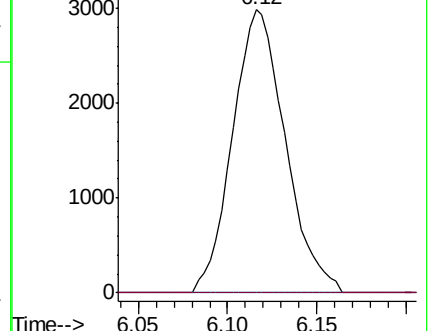
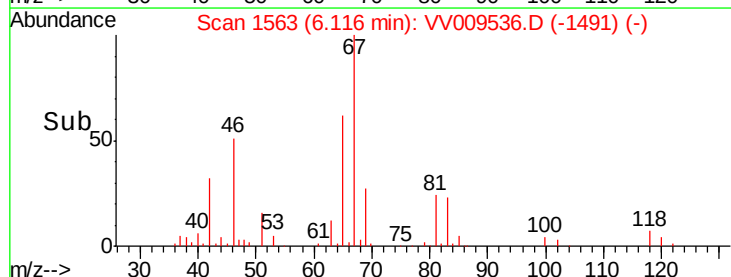
63 100

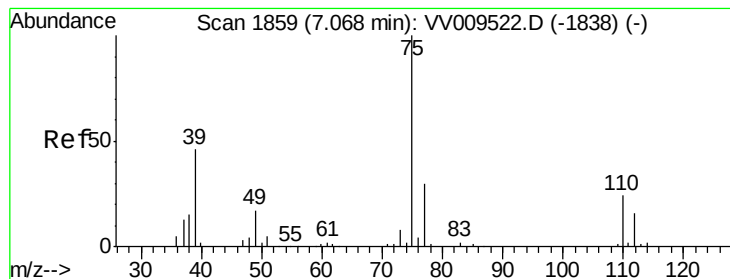
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009522.D (-1580) (-)

Ion 112.00 (111.70 to 112.70): VV009522.D (-1580) (-)



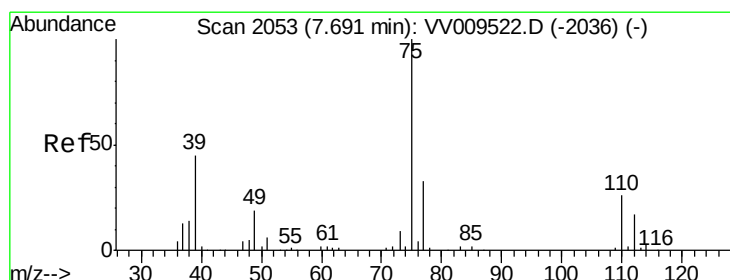
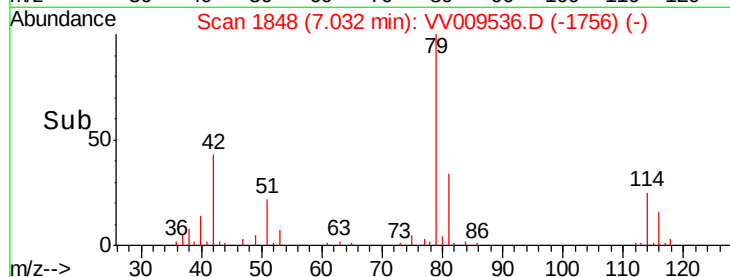
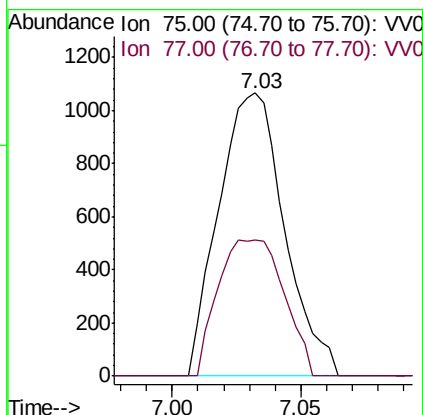
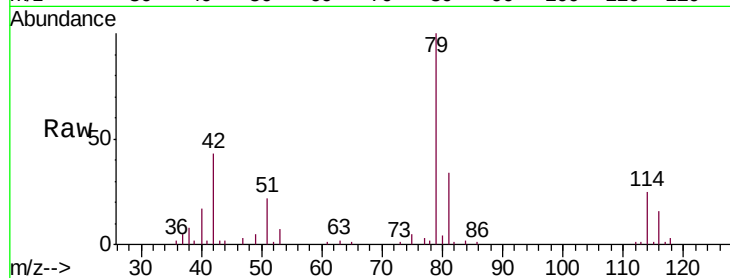


#42

cis-1,3-Dichloropropene
Concen: 0.734 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV009536.D
Acq: 07 Mar 2019 18:19

Instrument :
MSVOA_V
ClientSampled :
BF0P1

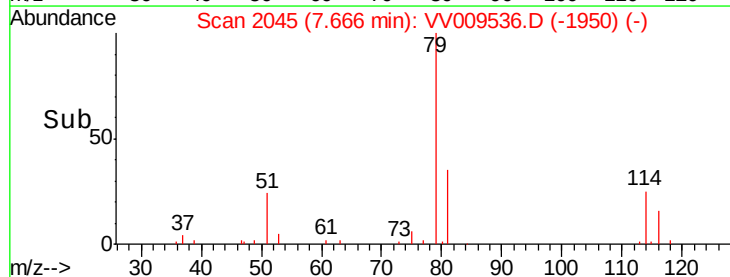
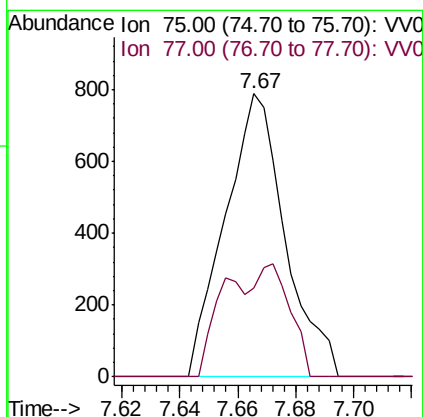
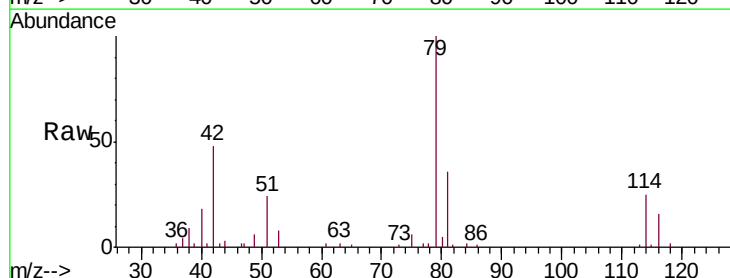
Tgt Ion: 75 Resp: 1899
Ion Ratio Lower Upper
75 100
77 48.0 21.4 39.8#

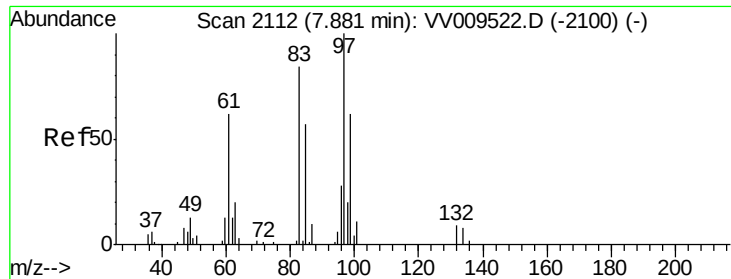


#45

trans-1,3-Dichloropropene
Concen: 0.502 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV009536.D
Acq: 07 Mar 2019 18:19

Tgt Ion: 75 Resp: 1134
Ion Ratio Lower Upper
75 100
77 31.5 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 11.731 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.14 min

Lab File: VV009536.D

Acq: 07 Mar 2019 18:19

Instrument :

MSVOA_V

ClientSampleId :

BF0P1

Tgt Ion: 97 Resp: 16234

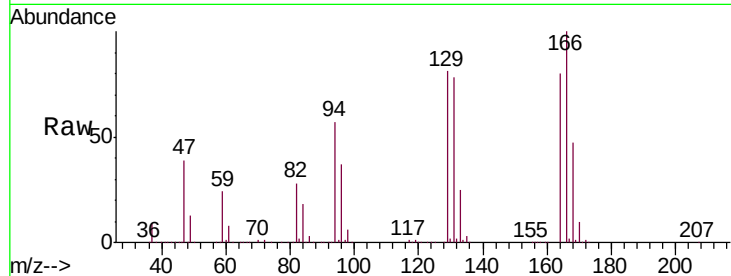
Ion Ratio Lower Upper

97 100

83 220.2 63.8 118.6#

85 35.9 39.5 73.4#

99 15.2 45.9 85.3#

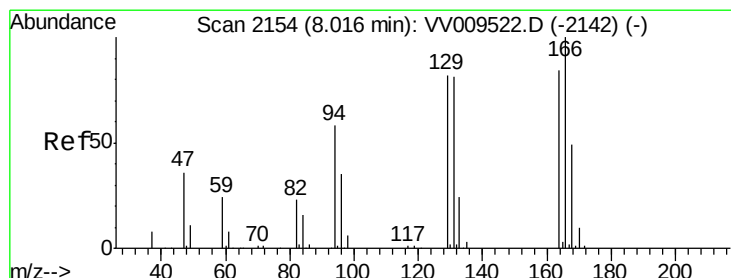
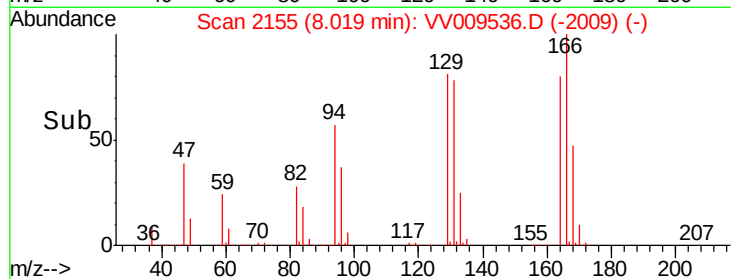
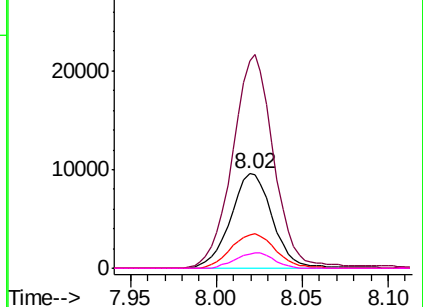


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 1114.633 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV009536.D

Acq: 07 Mar 2019 18:19

Tgt Ion: 164 Resp: 1569529

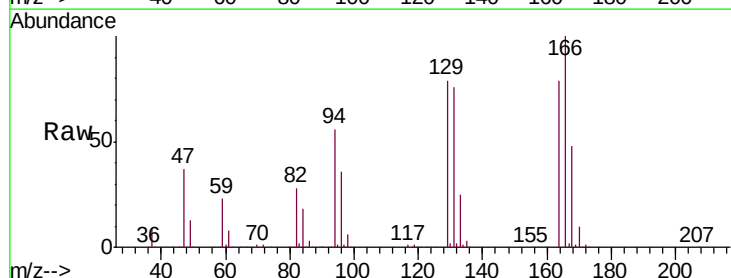
Ion Ratio Lower Upper

164 100

129 99.9 67.7 125.7

131 96.4 67.5 125.3

166 126.0 81.6 151.6

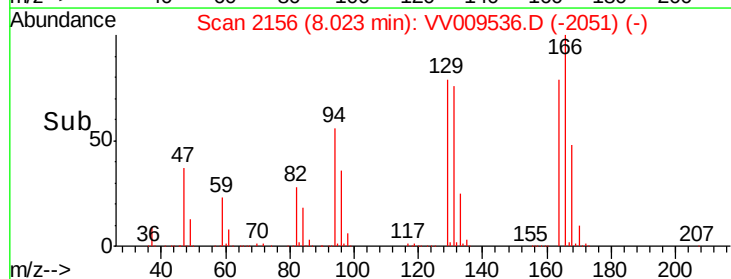
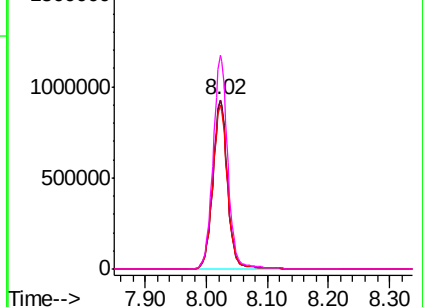


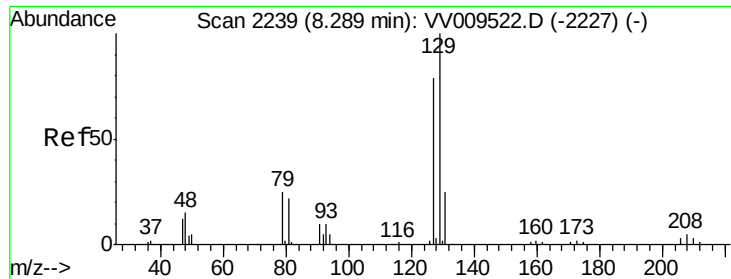
Abundance Ion 164.00 (163.70 to 164.70): V

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: 941.738 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV009536.D

Acq: 07 Mar 2019 18:19

Instrument :
MSVOA_V
ClientSampleId :
BF0P1

Tgt Ion:129 Resp: 1577732

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#

