

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010019.D
 Acq On : 30 Mar 2019 14:58
 Operator : SY/MD
 Sample : K2166-02
 Misc : 6.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF104

Quant Time: Mar 30 23:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	120474	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	131194	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57876	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34869	14.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.04%
7) Chloroethane-d5	1.56	69	48769	18.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.88%
10) 1,1-Dichloroethene-d2	2.12	63	87460	13.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.32%
20) 2-Butanone-d5	3.94	46	27134	59.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.12%
24) Chloroform-d	4.40	84	60657	19.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.04%
26) 1,2-Dichloroethane-d4	5.08	65	55180	29.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	119.48%
29) Benzene-d6	5.10	84	146058	21.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.80%
33) 1,2-Dichloropropane-d6	6.12	67	52198	25.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.60%
37) Toluene-d8	7.36	98	127843	19.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.40%
38) trans-1,3-Dichloropropene-	7.66	79	17033	20.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.64%
39) 2-Hexanone-d5	8.13	63	21016	55.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.72%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51269	25.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.76%
61) 1,2-Dichlorobenzene-d4	11.68	152	51702	23.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.84%

Target Compounds

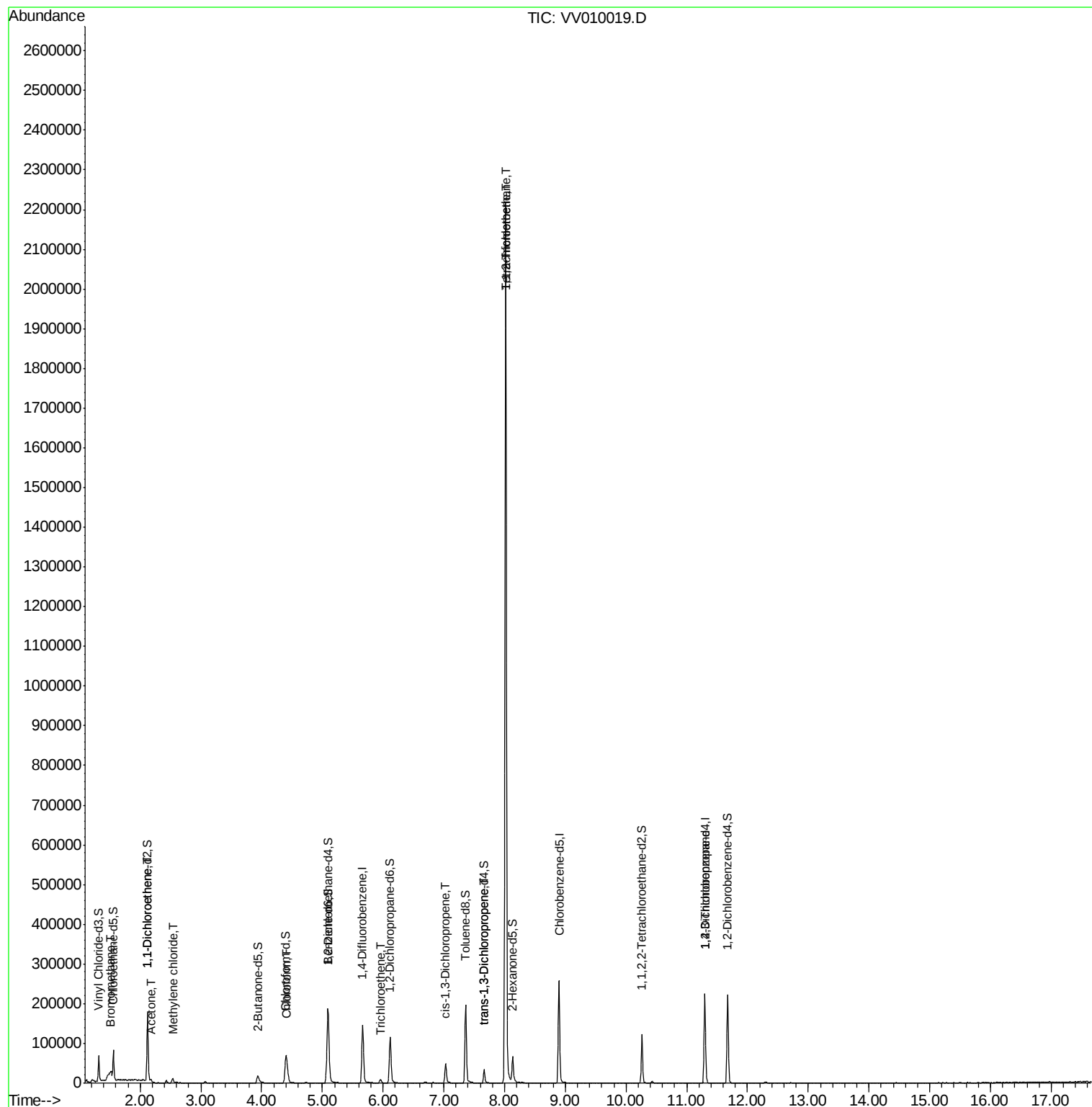
					Qvalue
6) Bromomethane	1.51	94	976	0.349 ug/L	69
12) 1,1-Dichloroethene	2.13	96	1289	0.437 ug/L #	1
13) Acetone	2.19	43	2349	3.406 ug/L	59
16) Methylene chloride	2.54	84	4265	2.150 ug/L	93
25) Chloroform	4.43	83	18750	5.874 ug/L	98
35) Trichloroethene	5.96	95	2255	1.187 ug/L	88
42) cis-1,3-Dichloropropene	7.03	75	1347	0.513 ug/L #	48
45) trans-1,3-Dichloropropene	7.67	75	1100	0.512 ug/L #	75
46) 1,1,2-Trichloroethane	8.02	97	4437	2.980 ug/L #	9
47) Tetrachloroethene	8.02	164	423408	282.356 ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	8978	6.198 ug/L	97

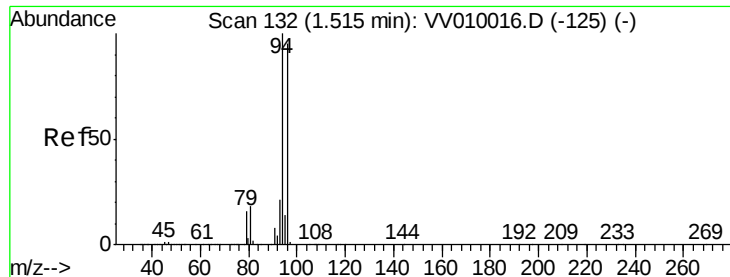
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.349 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV010019.D

Acq: 30 Mar 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

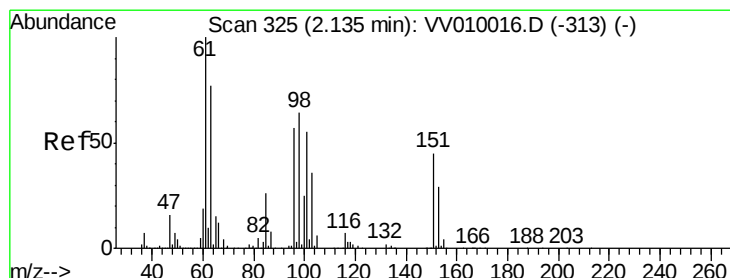
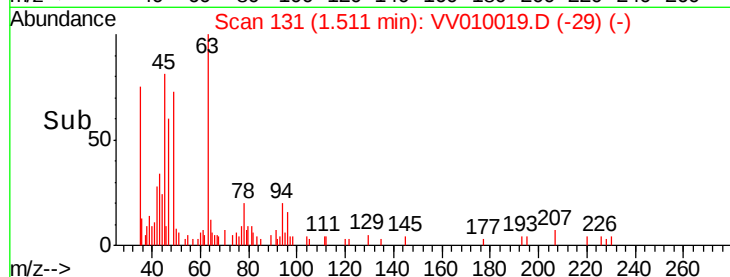
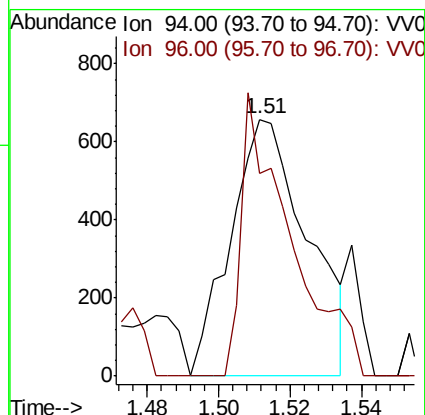
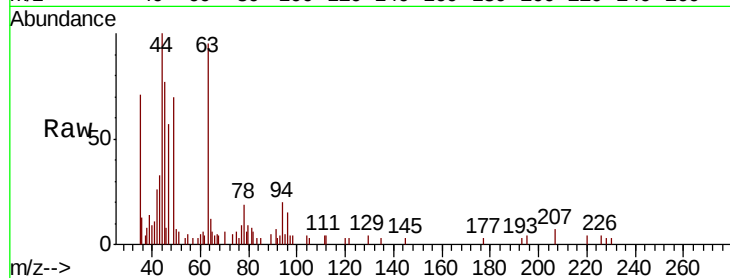
BF104

Tgt Ion: 94 Resp: 976

Ion Ratio Lower Upper

94 100

96 64.9 9.4 179.4



#12

1,1-Dichloroethene

Concen: 0.437 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010019.D

Acq: 30 Mar 2019 14:58

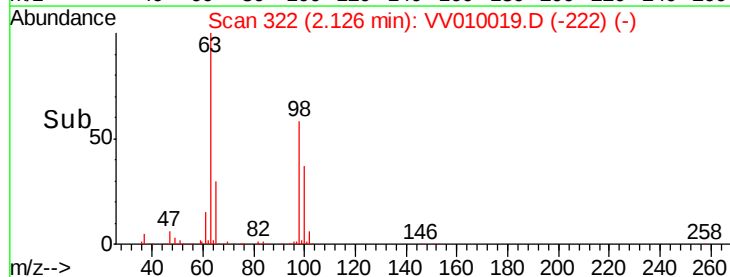
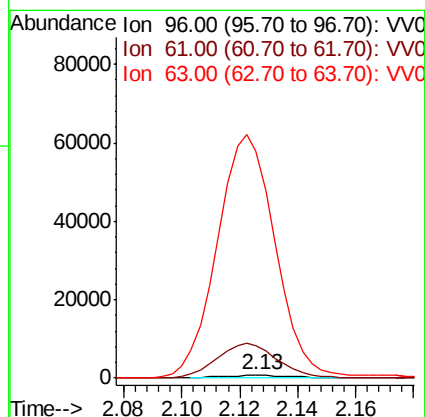
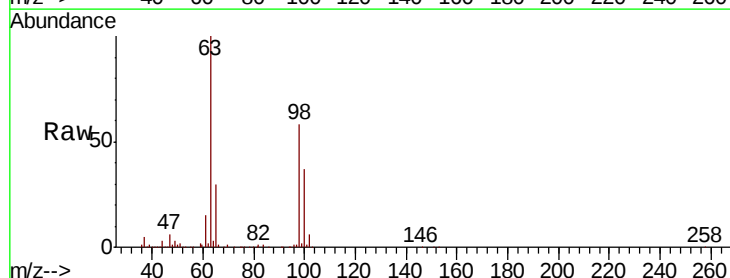
Tgt Ion: 96 Resp: 1289

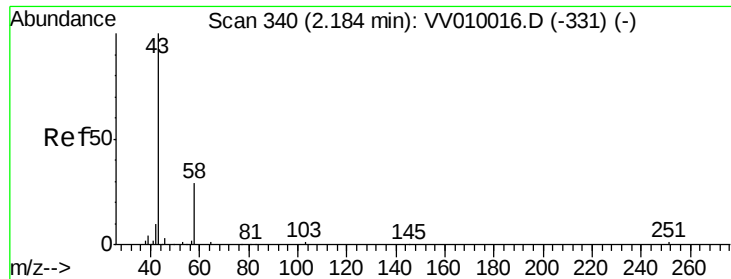
Ion Ratio Lower Upper

96 100

61 1086.3 124.3 230.8#

63 7479.4 88.2 163.8#





#13

Acetone

Concen: 3.406 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010019.D

Acq: 30 Mar 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

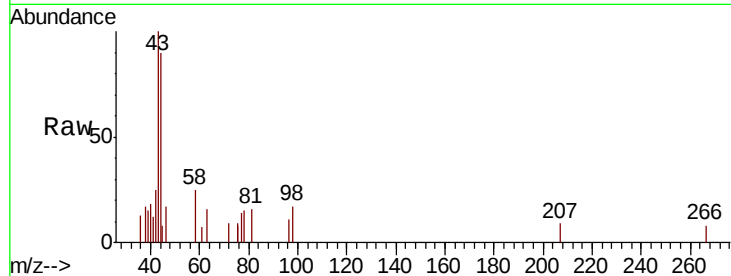
BF104

Tgt Ion: 43 Resp: 2349

Ion Ratio Lower Upper

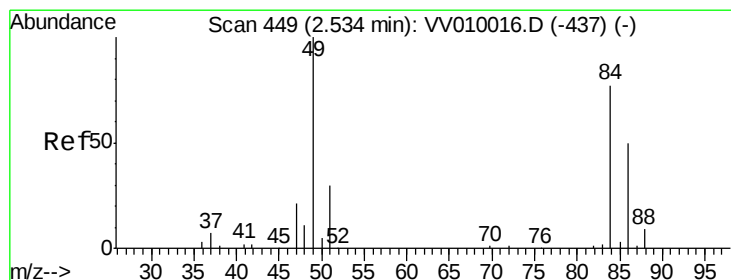
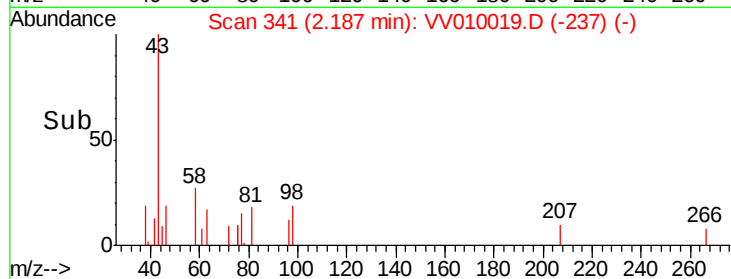
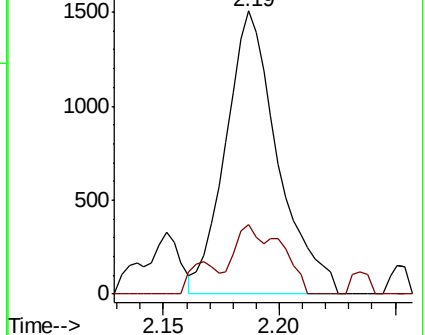
43 100

58 7.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV010016.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010016.D (-331) (-)



#16

Methylene chloride

Concen: 2.150 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010019.D

Acq: 30 Mar 2019 14:58

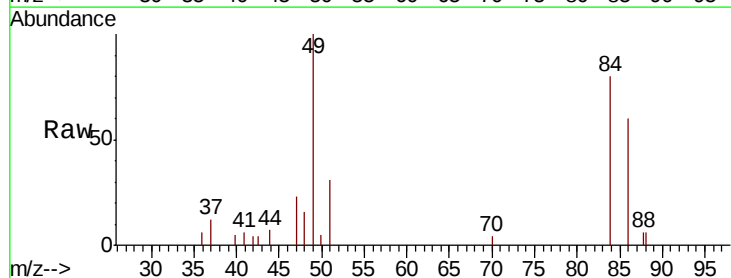
Tgt Ion: 84 Resp: 4265

Ion Ratio Lower Upper

84 100

49 125.2 90.4 167.8

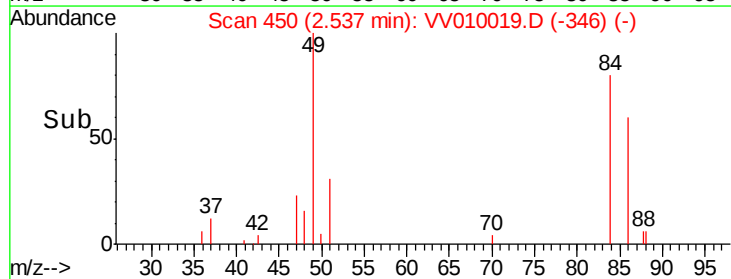
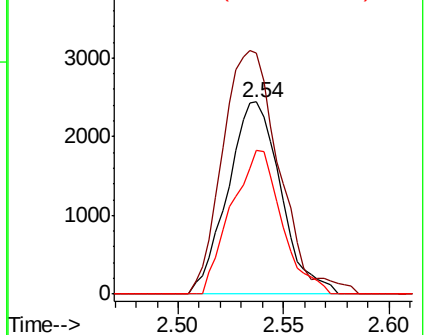
86 74.8 44.0 81.6

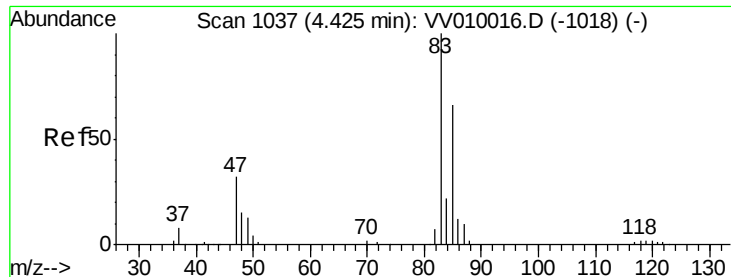


Abundance Ion 84.00 (83.70 to 84.70): VV010016.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010016.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010016.D (-437) (-)

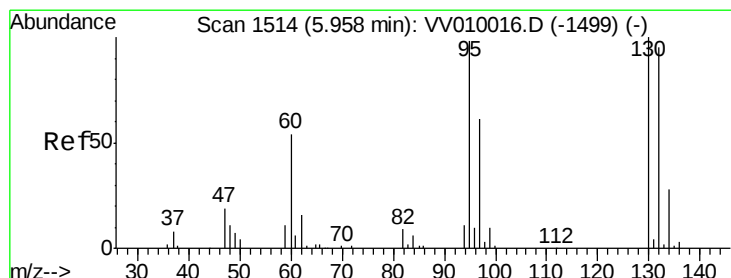
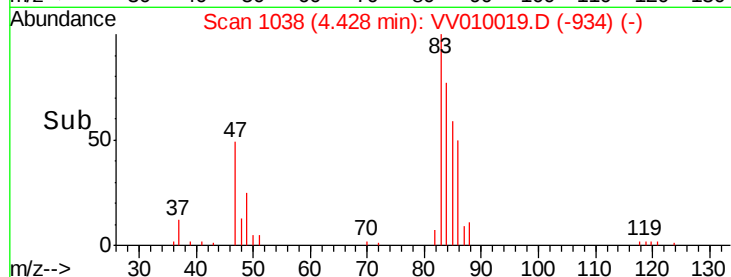
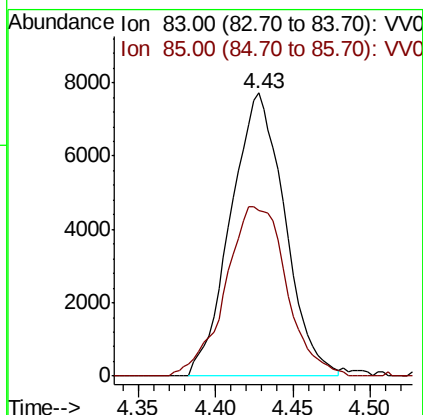
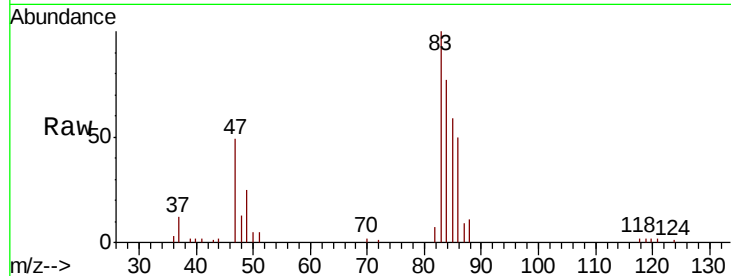




#25
Chloroform
Concen: 5.874 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010019.D
Acq: 30 Mar 2019 14:58

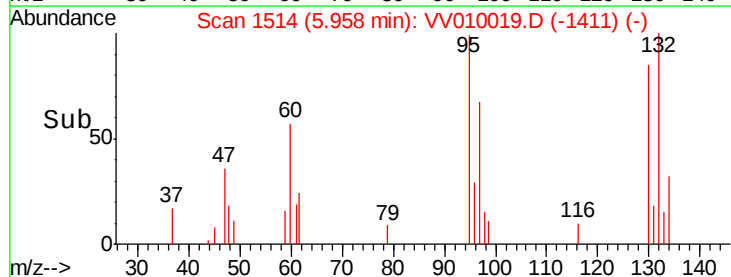
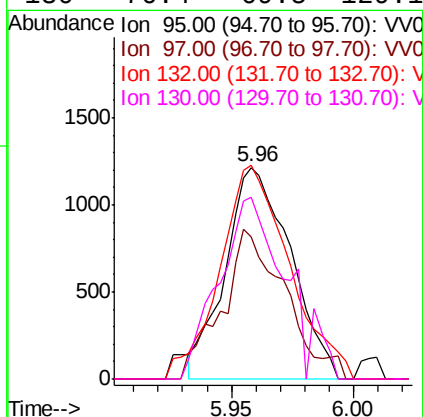
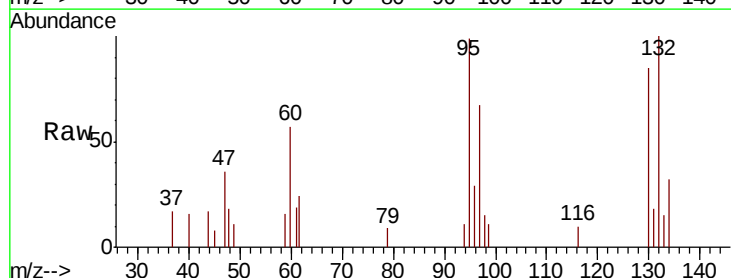
Instrument :
MSVOA_V
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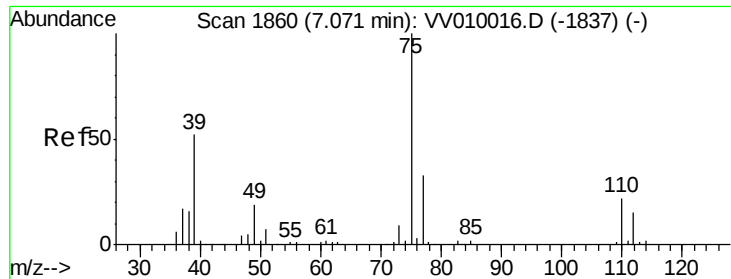
Tgt Ion: 83 Resp: 18750
Ion Ratio Lower Upper
83 100
85 67.5 46.1 85.7



#35
Trichloroethene
Concen: 1.187 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV010019.D
Acq: 30 Mar 2019 14:58

Tgt Ion: 95 Resp: 2255
Ion Ratio Lower Upper
95 100
97 66.5 46.3 85.9
132 107.8 69.3 128.7
130 76.4 69.5 129.1



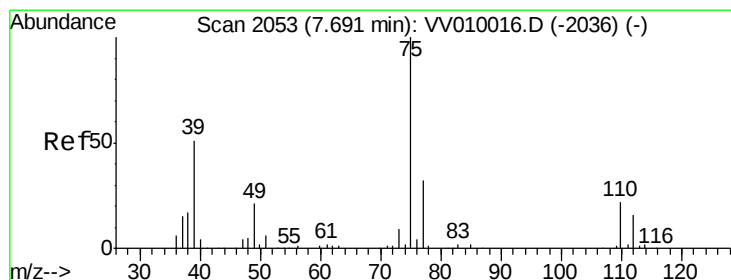
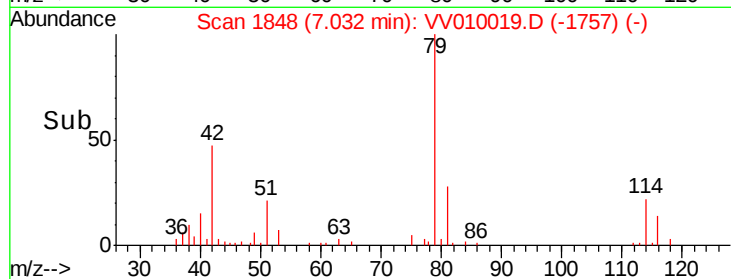
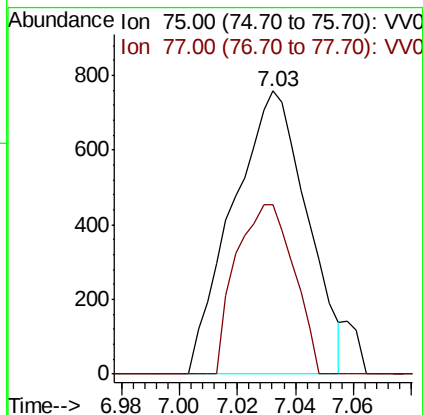
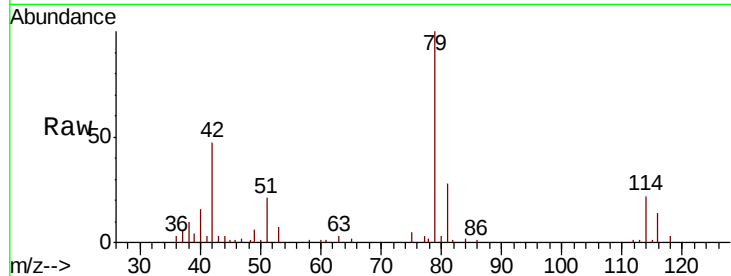


#42

cis-1,3-Dichloropropene
Concen: 0.513 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV010019.D
Acq: 30 Mar 2019 14:58

Instrument :
MSVOA_V
ClientSampled :
BF104

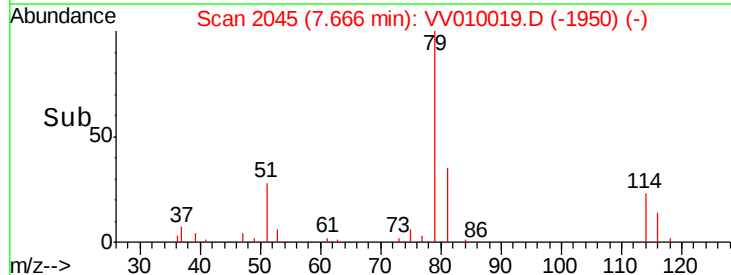
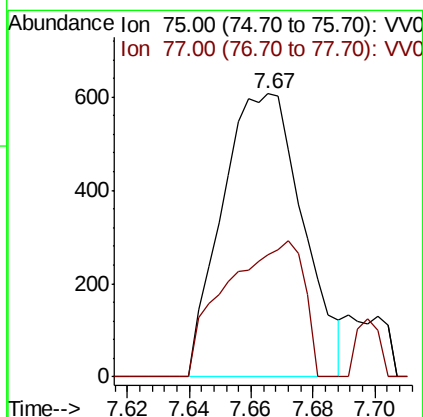
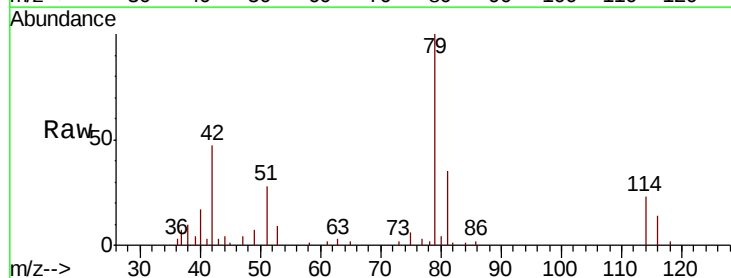
Tgt Ion: 75 Resp: 1347
Ion Ratio Lower Upper
75 100
77 60.0 21.8 40.6#

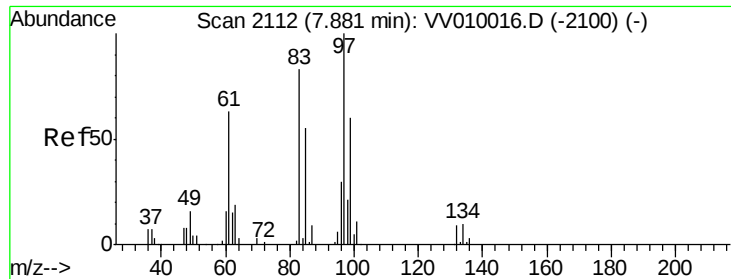


#45

trans-1,3-Dichloropropene
Concen: 0.512 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV010019.D
Acq: 30 Mar 2019 14:58

Tgt Ion: 75 Resp: 1100
Ion Ratio Lower Upper
75 100
77 43.2 20.7 38.5#

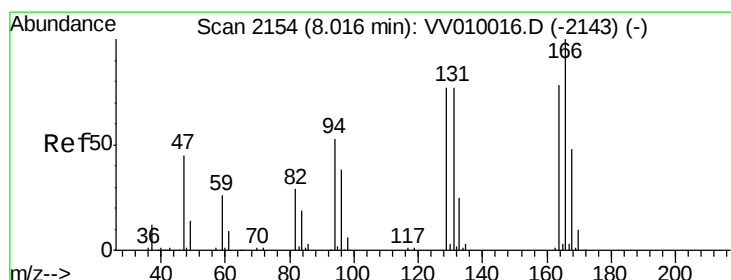
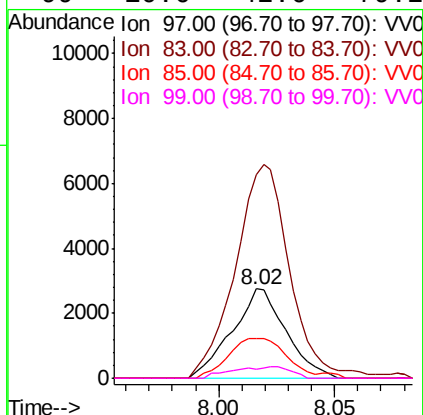
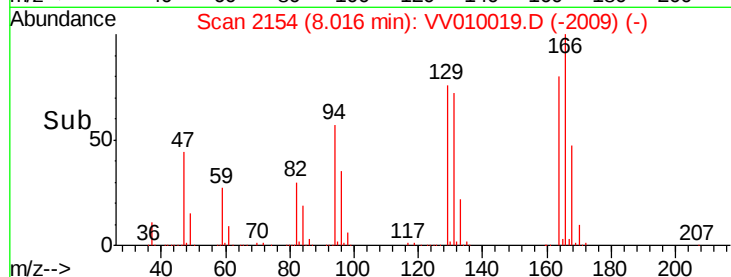
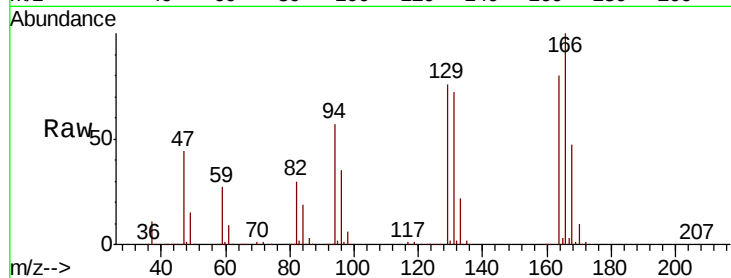




#46
 1,1,2-Trichloroethane
 Concen: 2.980 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.13 min
 Lab File: VV010019.D
 Acq: 30 Mar 2019 14:58

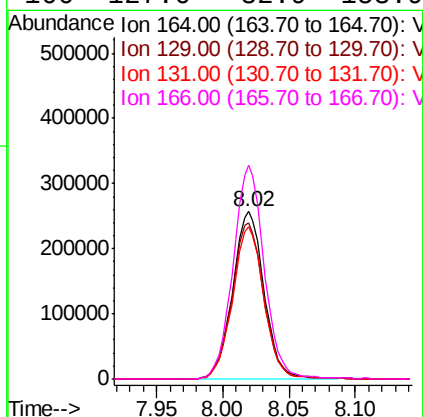
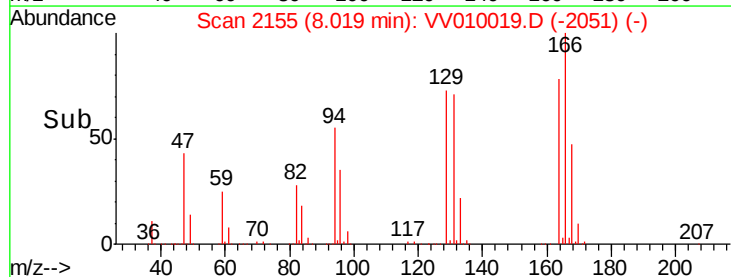
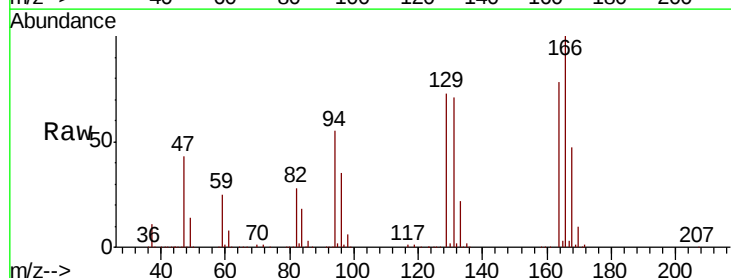
Instrument :
 MSVOA_V
 ClientSampleId :
 BF104

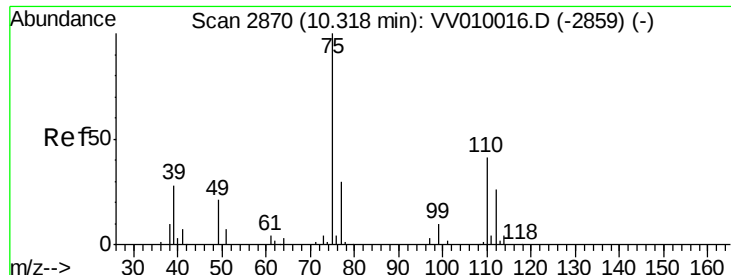
Tgt Ion: 97 Resp: 4437
 Ion Ratio Lower Upper
 97 100
 83 229.2 59.6 110.8#
 85 45.0 39.2 72.8
 99 10.6 42.6 79.2#



#47
 Tetrachloroethene
 Concen: 282.356 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010019.D
 Acq: 30 Mar 2019 14:58

Tgt Ion: 164 Resp: 423408
 Ion Ratio Lower Upper
 164 100
 129 93.5 64.9 120.5
 131 90.7 62.0 115.2
 166 127.6 82.9 153.9





#59

1,2,3-Trichloropropane

Concen: 6.198 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010019.D

Acq: 30 Mar 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

BF104

Tgt Ion: 75 Resp: 8978

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

