

Data File : VV009534.D
Acq On : 07 Mar 2019 17:26
Operator : SY/MD
Sample : K1789-07
Misc : 5.69G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P3

Quant Time: Mar 08 03:06:18 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	135542	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134841	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61200	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29647	18.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.68%
7) Chloroethane-d5	1.57	69	30881	13.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.36%
10) 1,1-Dichloroethene-d2	2.12	63	66514	15.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.68%
20) 2-Butanone-d5	3.93	46	26776	48.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.32%
24) Chloroform-d	4.40	84	65442	20.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.08%
26) 1,2-Dichloroethane-d4	5.08	65	46755	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.80%
29) Benzene-d6	5.10	84	145892	21.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.40%
33) 1,2-Dichloropropane-d6	6.12	67	47199	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	7.36	98	140499	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.32%
38) trans-1,3-Dichloropropene-	7.66	79	20486	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	8.13	63	21160	46.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49386	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.04%
61) 1,2-Dichlorobenzene-d4	11.68	152	52592	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

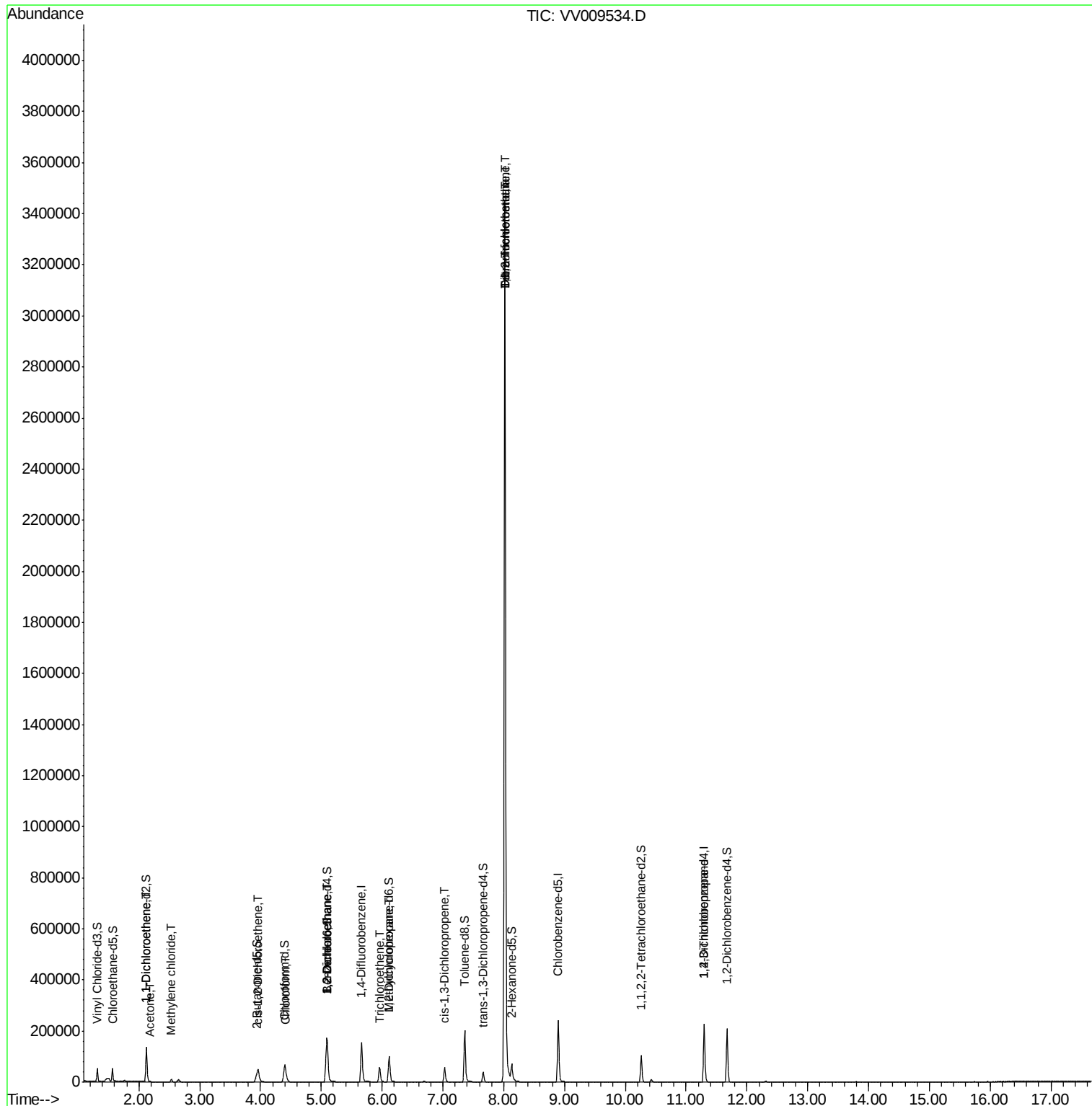
					Qvalue
12) 1,1-Dichloroethene	2.13	96	1266	0.703 ug/L #	1
13) Acetone	2.19	43	964	1.705 ug/L	66
16) Methylene chloride	2.54	84	4179	2.349 ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	21600	11.820 ug/L	99
25) Chloroform	4.42	83	11323	3.557 ug/L	97
27) 1,2-Dichloroethane	5.10	62	777	0.351 ug/L #	77
35) Trichloroethene	5.96	95	19358	9.668 ug/L	98
36) Methylcyclohexane	6.12	83	11385	3.490 ug/L #	20
42) cis-1,3-Dichloropropene	7.03	75	1811	0.649 ug/L #	81
46) 1,1,2-Trichloroethane	8.02	97	6866	4.600 ug/L #	17
47) Tetrachloroethene	8.02	164	690885	454.907 ug/L	95
50) Dibromochloromethane	8.02	129	700798	387.832 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	8457	5.567 ug/L #	86

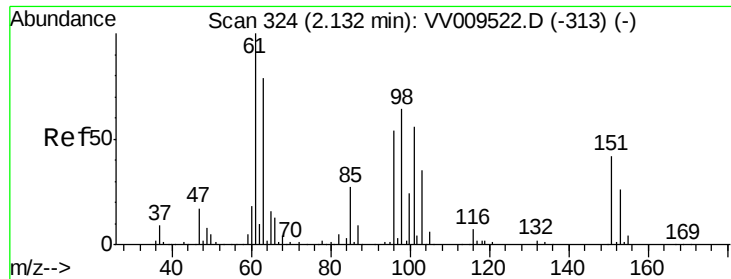
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV009534.D
Acq On : 07 Mar 2019 17:26
Operator : SY/MD
Sample : K1789-07
Misc : 5.69G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P3

Quant Time: Mar 08 03:06:18 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





#12

1,1-Dichloroethene

Concen: 0.703 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009534.D

Acq: 07 Mar 2019 17:26

Instrument :

MSVOA_V

ClientSampled :

BF0P3

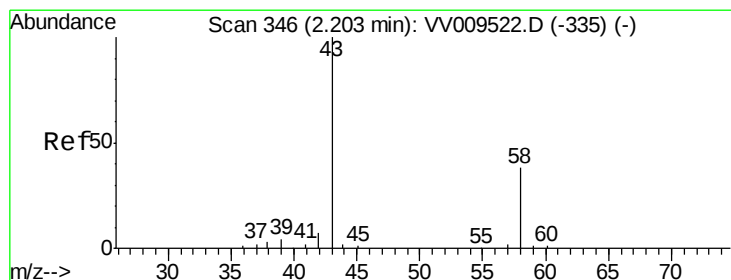
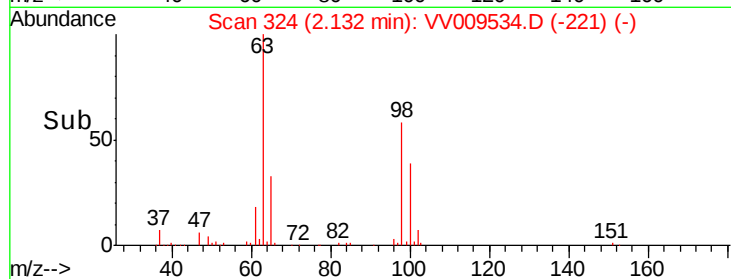
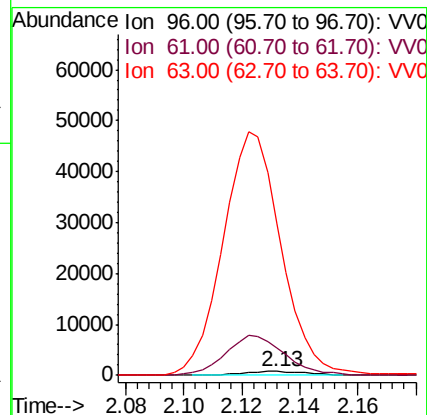
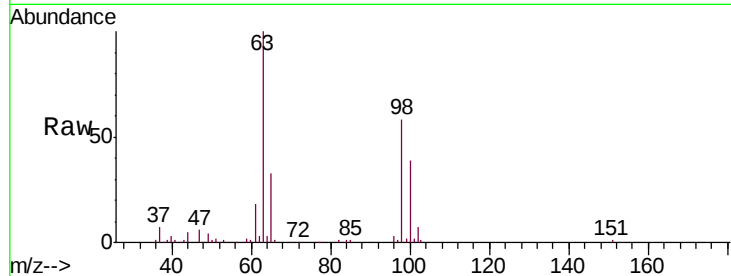
Tgt Ion: 96 Resp: 1266

Ion Ratio Lower Upper

96 100

61 686.3 136.9 254.3#

63 3881.3 108.7 201.9#



#13

Acetone

Concen: 1.705 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV009534.D

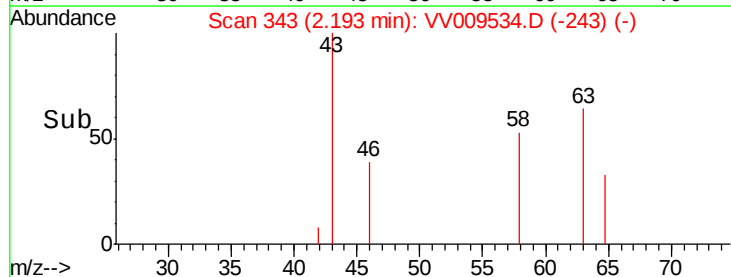
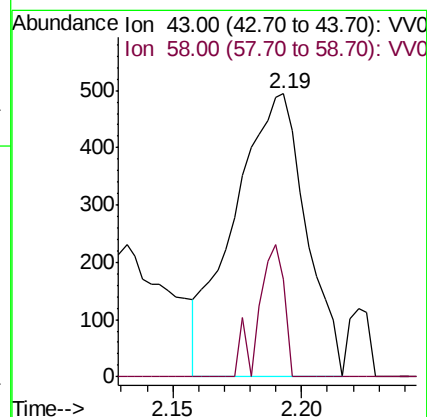
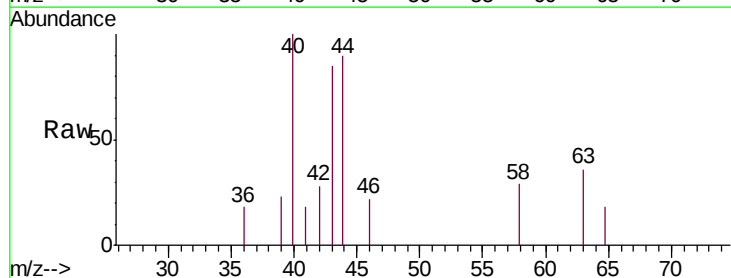
Acq: 07 Mar 2019 17:26

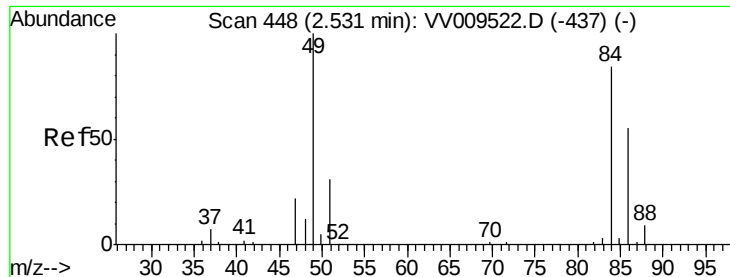
Tgt Ion: 43 Resp: 964

Ion Ratio Lower Upper

43 100

58 14.6 0.0 68.8

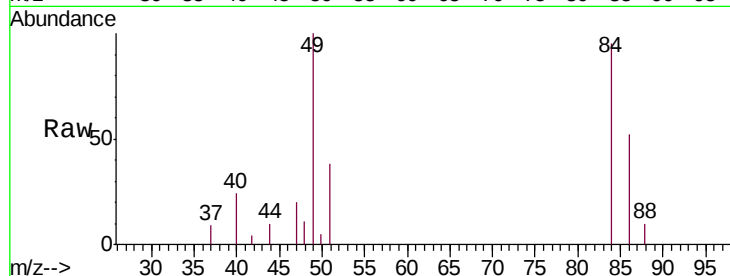




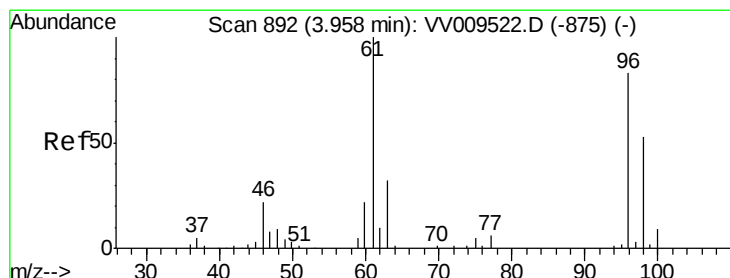
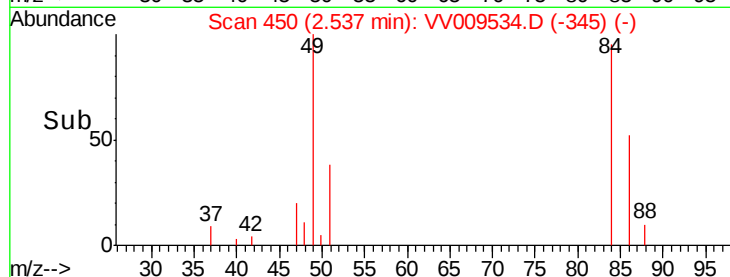
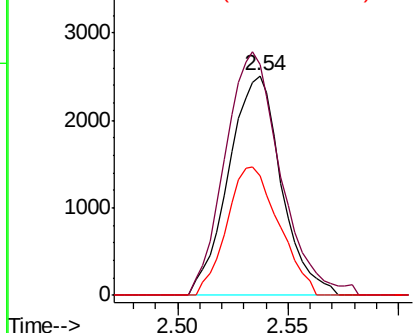
#16
Methylene chloride
Concen: 2.349 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV009534.D
Acq: 07 Mar 2019 17:26

Instrument :
MSVOA_V
ClientSampleId :
BF0P3

Tgt Ion: 84 Resp: 4179
Ion Ratio Lower Upper
84 100
49 105.1 84.6 157.0
86 54.7 46.1 85.7

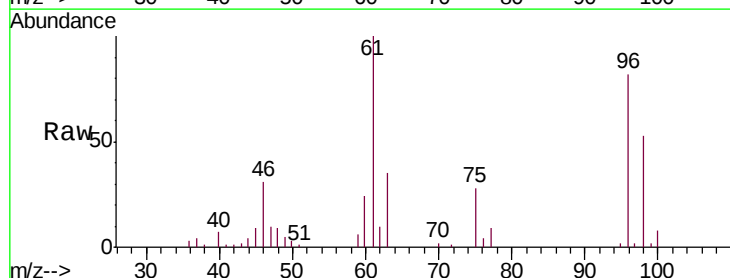


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

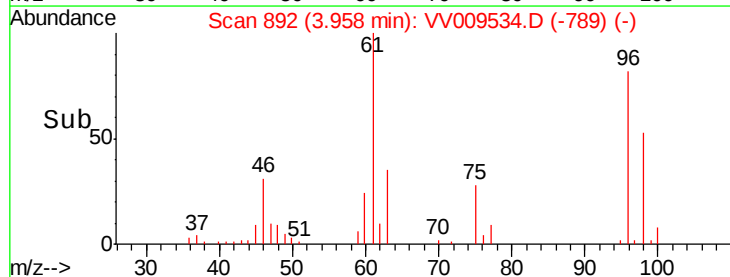
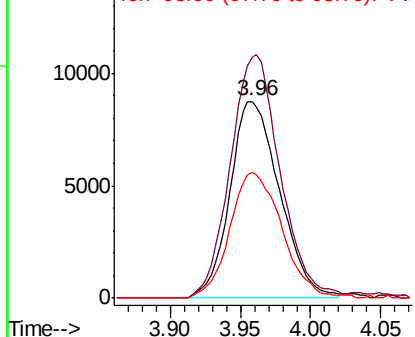


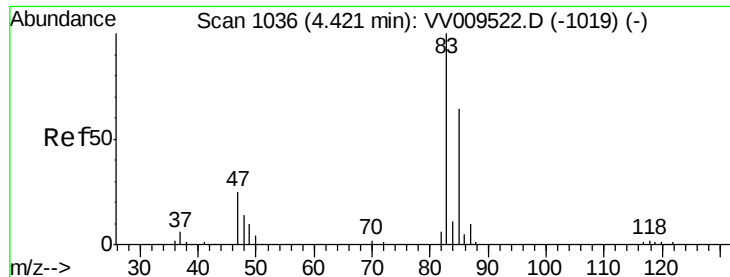
#22
cis-1,2-Dichloroethene
Concen: 11.820 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV009534.D
Acq: 07 Mar 2019 17:26

Tgt Ion: 96 Resp: 21600
Ion Ratio Lower Upper
96 100
61 122.3 87.2 161.9
98 64.3 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: 3.557 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV009534.D

Acq: 07 Mar 2019 17:26

Instrument :

MSVOA_V

ClientSampleId :

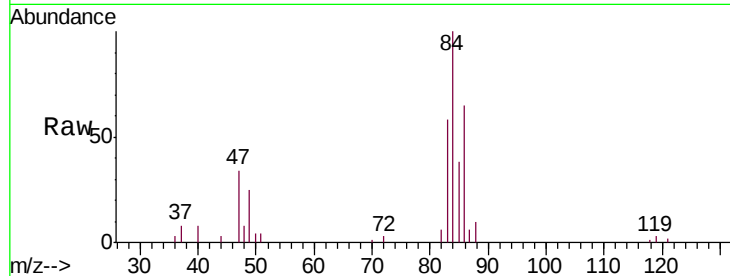
BF0P3

Tgt Ion: 83 Resp: 11323

Ion Ratio Lower Upper

83 100

85 67.1 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV009522.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV009522.D (-1019) (-)

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

4.42

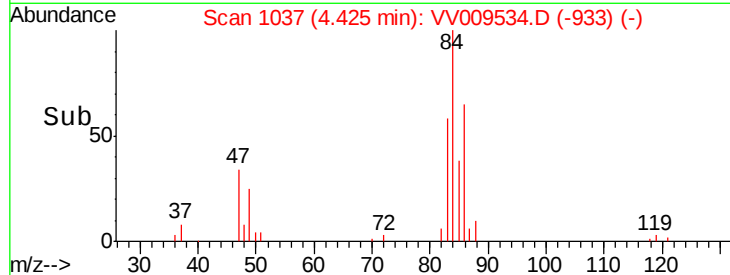
4.42

4.42

4.42

4.42

4.42



#27

1,2-Dichloroethane

Concen: 0.351 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.07 min

Lab File: VV009534.D

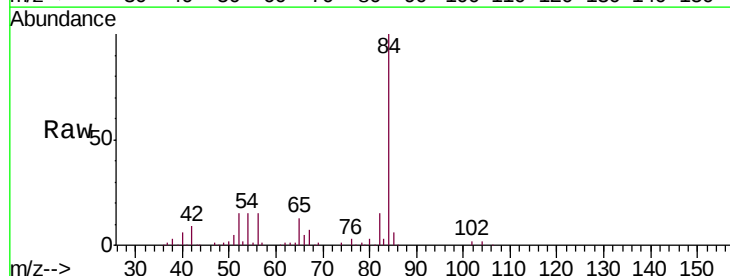
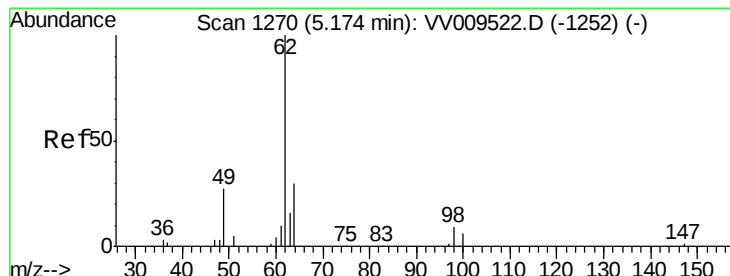
Acq: 07 Mar 2019 17:26

Tgt Ion: 62 Resp: 777

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009522.D (-1252) (-)

Ion 98.00 (97.70 to 98.70): VV009522.D (-1252) (-)

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

5.10

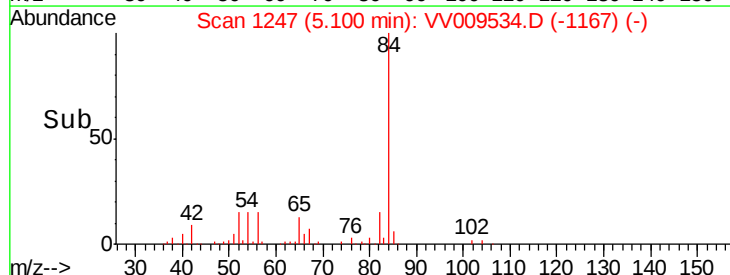
5.10

5.10

5.10

5.10

5.10



#28

1,2-Dichloroethane

Concen: 0.351 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.07 min

Lab File: VV009534.D

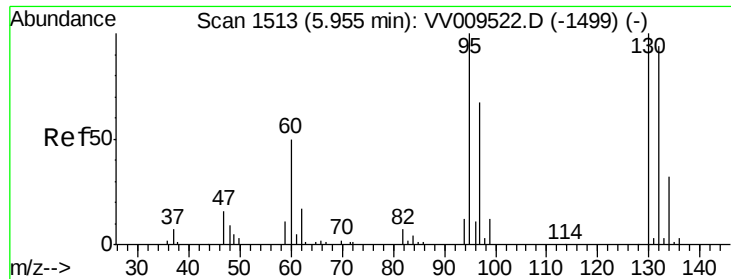
Acq: 07 Mar 2019 17:26

Tgt Ion: 62 Resp: 777

Ion Ratio Lower Upper

62 100

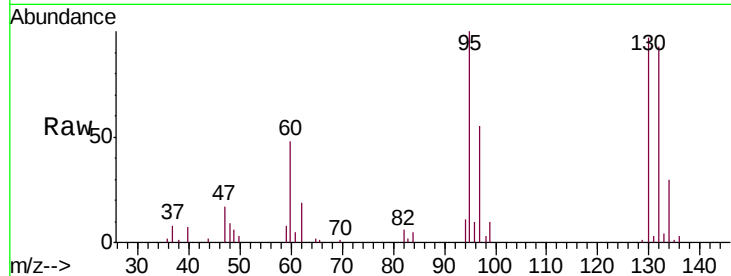
98 0.0 6.6 10.0#



#35
 Trichloroethene
 Concen: 9.668 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009534.D
 Acq: 07 Mar 2019 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P3

Tgt Ion:	95	Resp:	19358
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.3	82.3
132	95.3	64.4	119.6
130	100.8	69.4	128.8



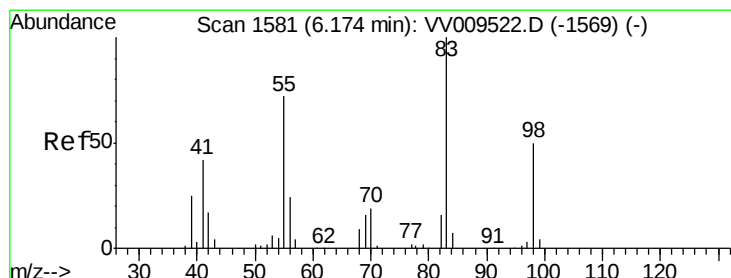
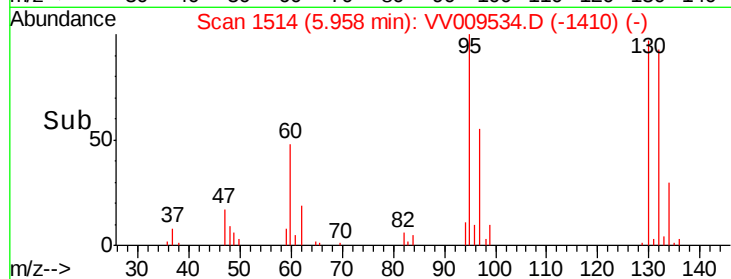
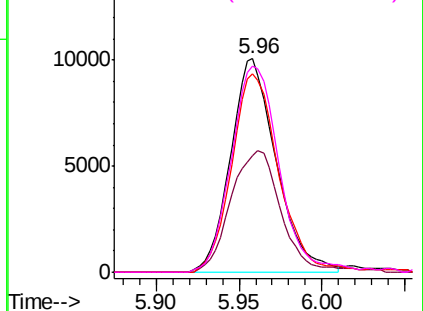
Abundance

Ion 95.00 (94.70 to 95.70): VV009534.D (-1410) (-)

Ion 97.00 (96.70 to 97.70): VV009534.D (-1410) (-)

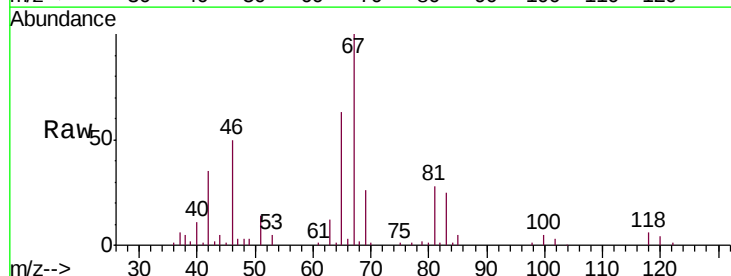
Ion 132.00 (131.70 to 132.70): VV009534.D (-1410) (-)

Ion 130.00 (129.70 to 130.70): VV009534.D (-1410) (-)



#36
 Methylcyclohexane
 Concen: 3.490 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV009534.D
 Acq: 07 Mar 2019 17:26

Tgt Ion:	83	Resp:	11385
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.8	88.2#
98	0.6	37.7	56.5#

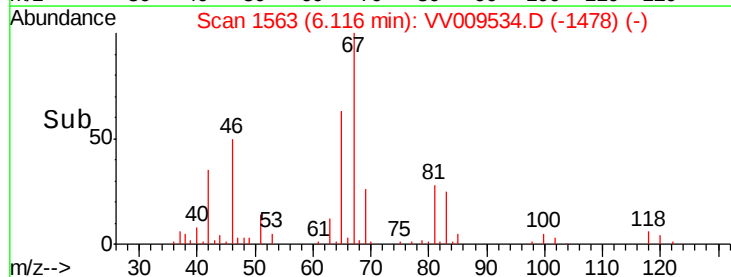
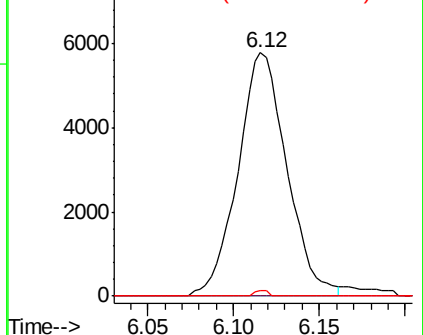


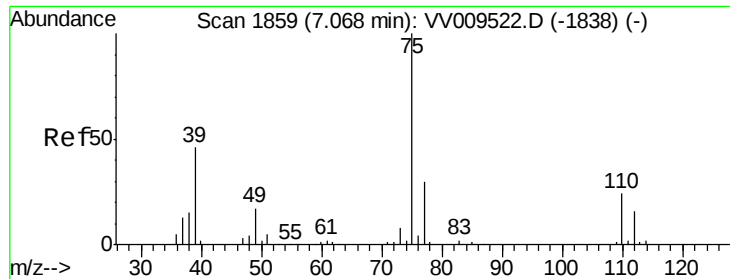
Abundance

Ion 83.00 (82.70 to 83.70): VV009534.D (-1478) (-)

Ion 55.00 (54.70 to 55.70): VV009534.D (-1478) (-)

Ion 98.00 (97.70 to 98.70): VV009534.D (-1478) (-)



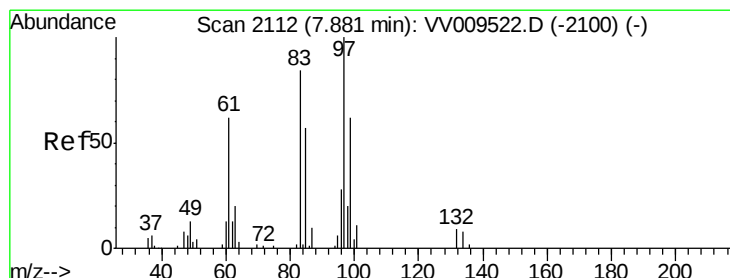
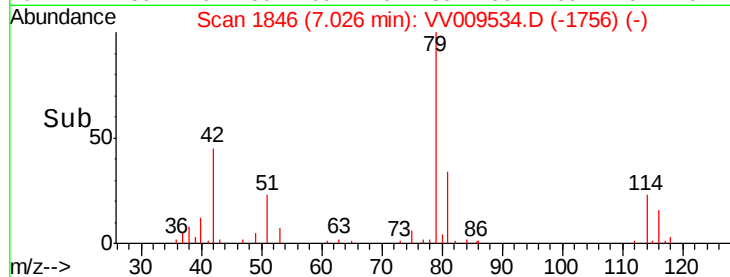
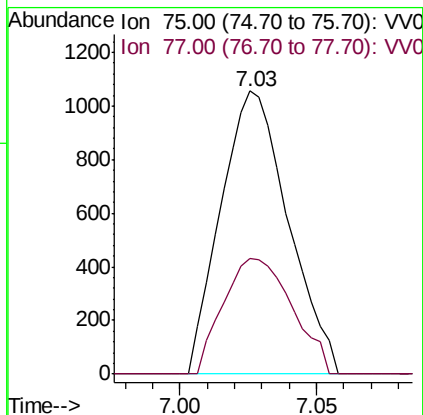
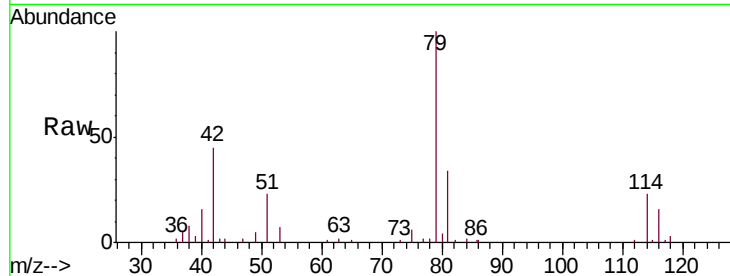


#42

cis-1,3-Dichloropropene
 Concen: 0.649 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV009534.D
 Acq: 07 Mar 2019 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P3

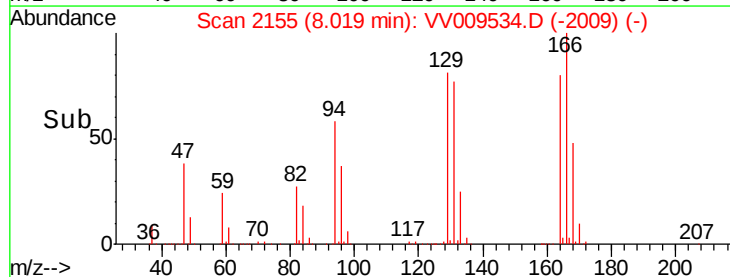
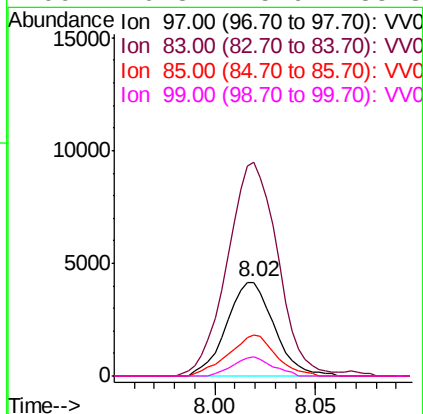
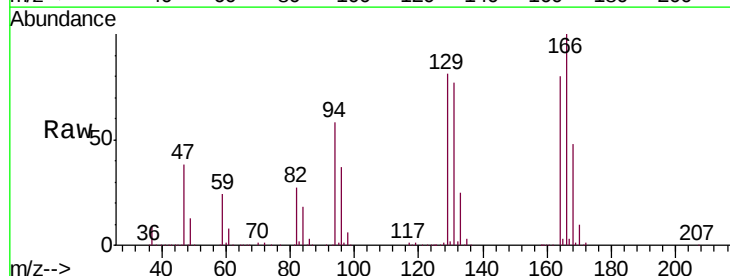
Tgt Ion: 75 Resp: 1811
 Ion Ratio Lower Upper
 75 100
 77 41.0 21.4 39.8#

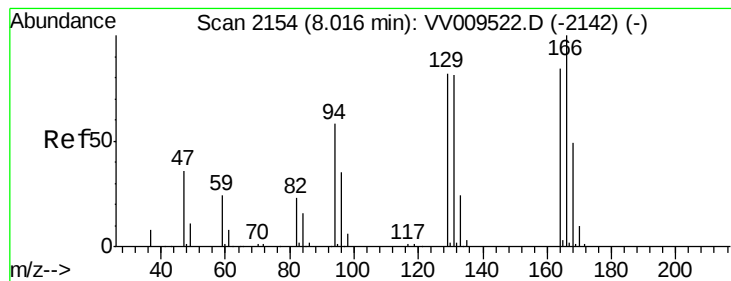


#46

1,1,2-Trichloroethane
 Concen: 4.600 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.14 min
 Lab File: VV009534.D
 Acq: 07 Mar 2019 17:26

Tgt Ion: 97 Resp: 6866
 Ion Ratio Lower Upper
 97 100
 83 227.1 63.8 118.6#
 85 43.5 39.5 73.4
 99 20.3 45.9 85.3#





#47

Tetrachloroethene

Concen: 454.907 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009534.D

Acq: 07 Mar 2019 17:26

Instrument :

MSVOA_V

ClientSampleId :

BF0P3

Tgt Ion:164 Resp: 690885

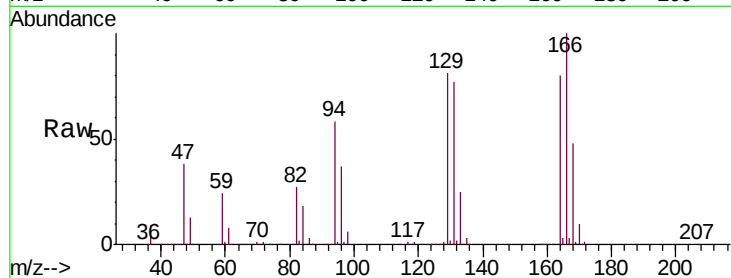
Ion Ratio Lower Upper

164 100

129 101.9 67.7 125.7

131 96.4 67.5 125.3

166 125.2 81.6 151.6

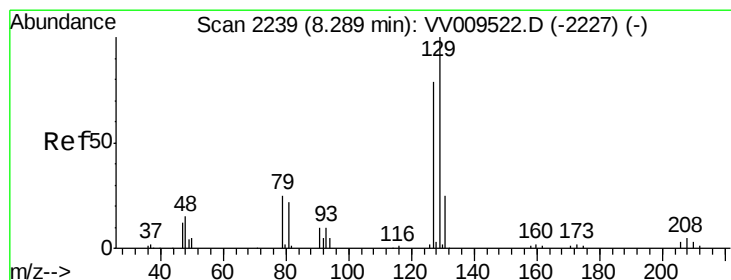
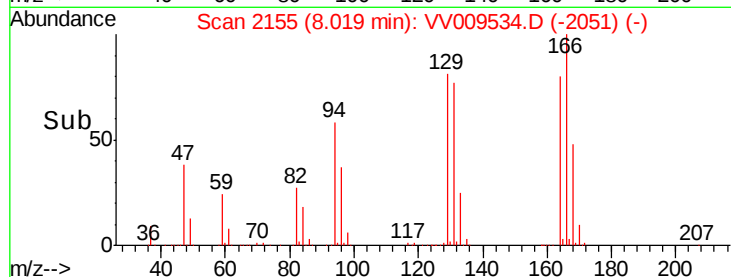
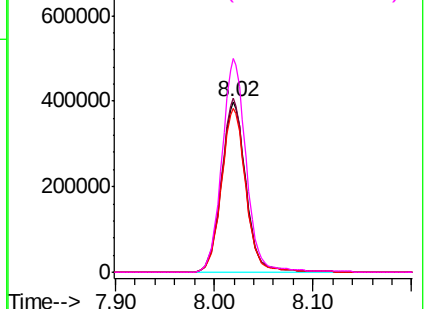


Abundance Ion 164.00 (163.70 to 164.70): V

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: 387.832 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009534.D

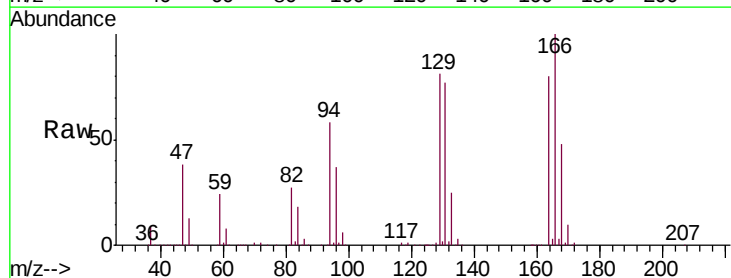
Acq: 07 Mar 2019 17:26

Tgt Ion:129 Resp: 700798

Ion Ratio Lower Upper

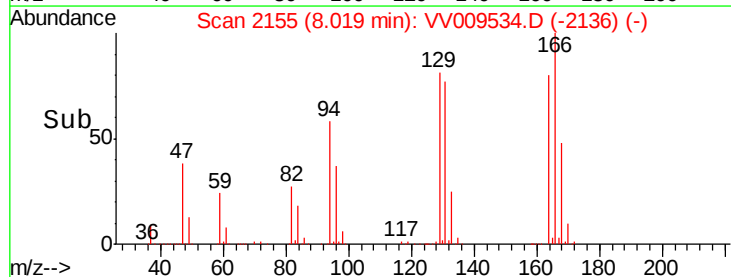
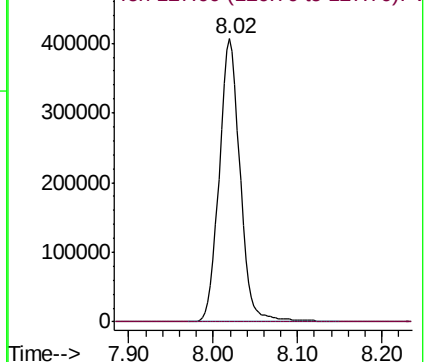
129 100

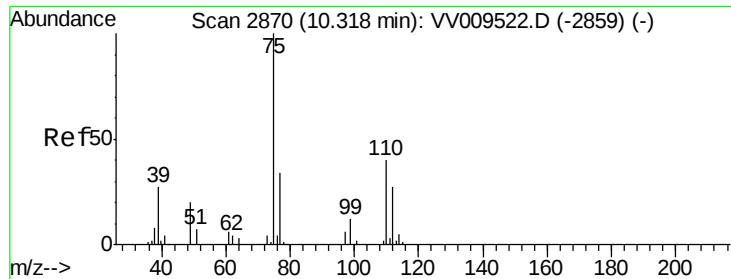
127 0.0 53.7 99.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59
 1,2,3-Trichloropropane
 Concen: 5.567 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009534.D
 Acq: 07 Mar 2019 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P3

Tgt Ion: 75 Resp: 8457
 Ion Ratio Lower Upper
 75 100
 77 40.1 25.9 38.9#

