

Data File : VV009051.D
Acq On : 19 Dec 2018 15:28
Operator : SY/MD
Sample : J6419-09
Misc : 5.35G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEZY3RE

Quant Time: Dec 20 02:02:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	40195	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	34982	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	10506	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10273	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
7) Chloroethane-d5	1.58	69	11695	38.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	152.24%#
10) 1,1-Dichloroethene-d2	2.13	63	19212	18.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.88%
20) 2-Butanone-d5	3.95	46	4248	28.05	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.10%
24) Chloroform-d	4.40	84	22983	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	5.09	65	14998	28.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.76%
29) Benzene-d6	5.10	84	48031	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	6.12	67	14328	26.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.80%
37) Toluene-d8	7.36	98	39426	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.24%
38) trans-1,3-Dichloropropene-	7.67	79	4921	20.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.92%
39) 2-Hexanone-d5	8.16	63	1393	13.90	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	7450	16.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	64.96%
61) 1,2-Dichlorobenzene-d4	11.68	152	9575	24.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.12%

Target Compounds

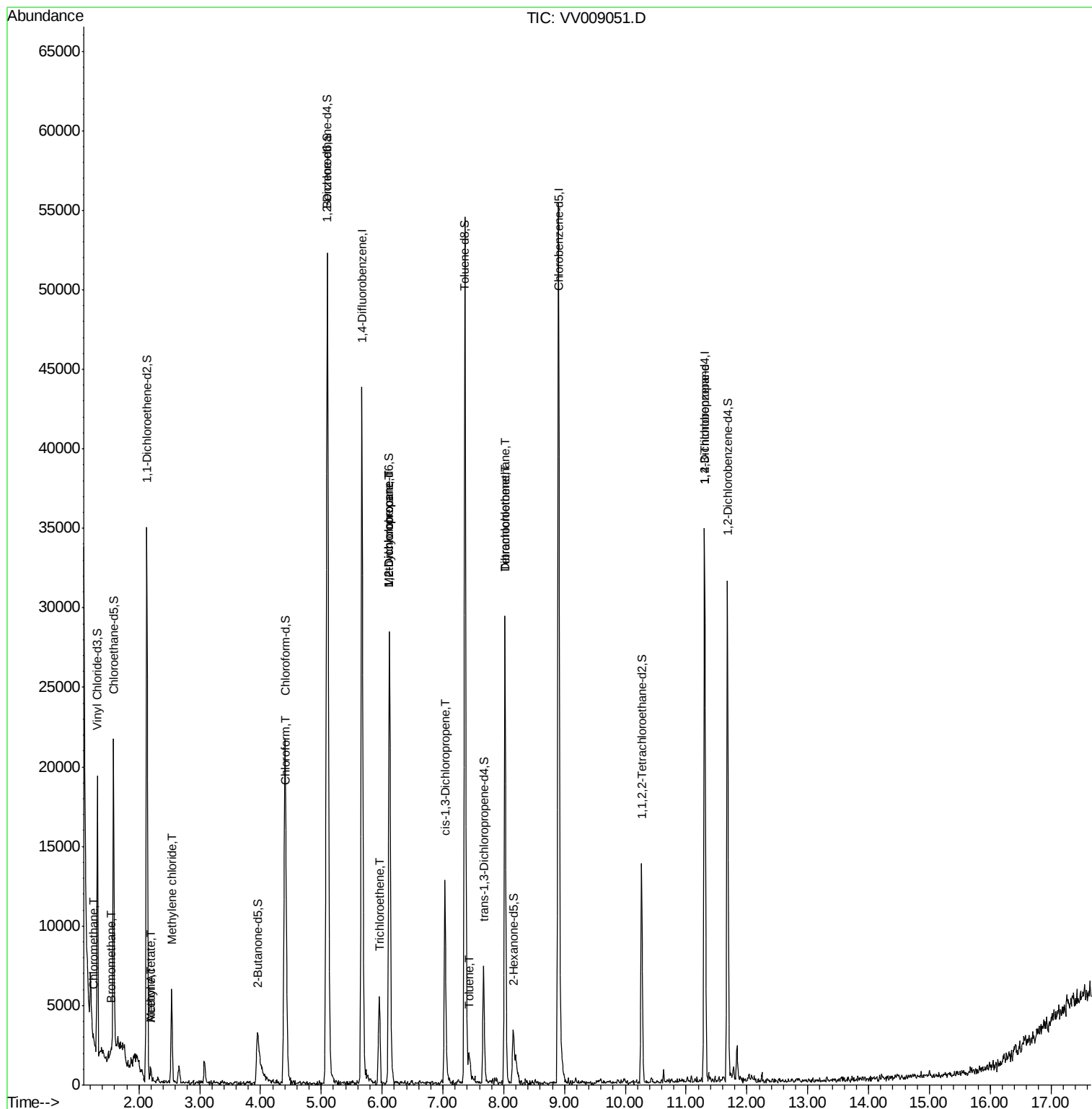
					Qvalue
3) Chloromethane	1.25	50	450	0.994 ug/L	99
6) Bromomethane	1.54	94	87	0.358 ug/L	90
13) Acetone	2.20	43	645	2.891 ug/L	60
15) Methyl Acetate	2.20	43	645	2.280 ug/L #	51
16) Methylene chloride	2.54	84	2848	4.208 ug/L	83
25) Chloroform	4.43	83	1770	1.817 ug/L	95
35) Trichloroethene	5.96	95	252	0.399 ug/L #	40
36) Methylcyclohexane	6.12	83	3766	3.737 ug/L #	38
40) 1,2-Dichloropropane	6.12	63	1423	2.829 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	269	0.365 ug/L #	54
44) Toluene	7.44	91	1201	0.546 ug/L	79
47) Tetrachloroethene	8.02	164	6692	13.023 ug/L	98
50) Dibromochloromethane	8.02	129	6343	13.203 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	1167	2.977 ug/L	91

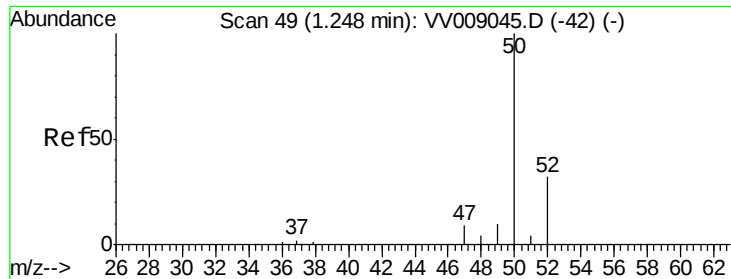
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.994 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009051.D

Acq: 19 Dec 2018 15:28

Instrument :

MSVOA_V

ClientSampleId :

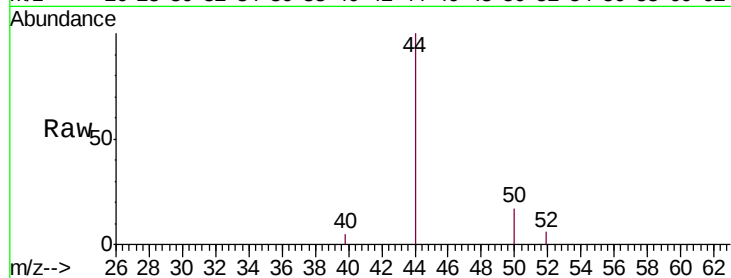
BEZY3RE

Tgt Ion: 50 Resp: 450

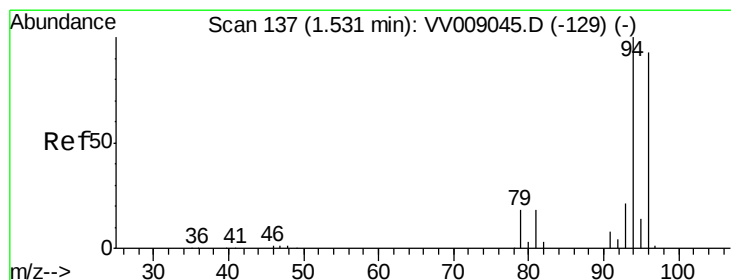
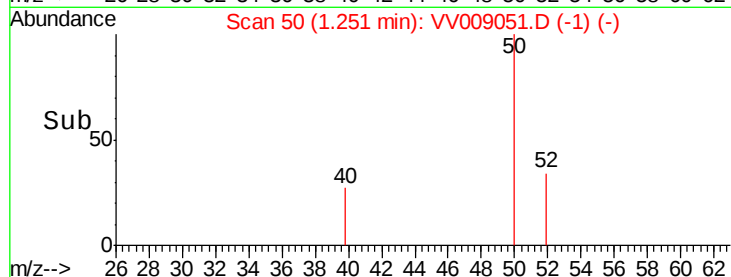
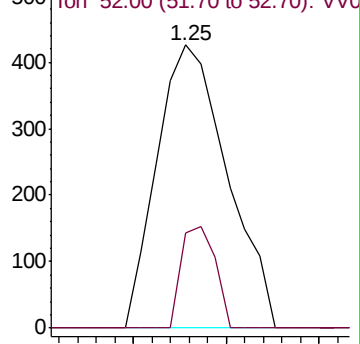
Ion Ratio Lower Upper

50 100

52 33.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV009045.D (-42) (-)



#6

Bromomethane

Concen: 0.358 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.01 min

Lab File: VV009051.D

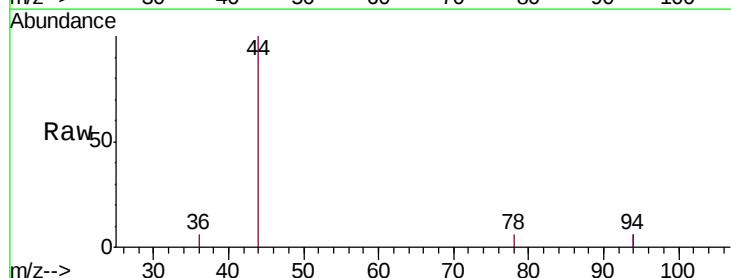
Acq: 19 Dec 2018 15:28

Tgt Ion: 94 Resp: 87

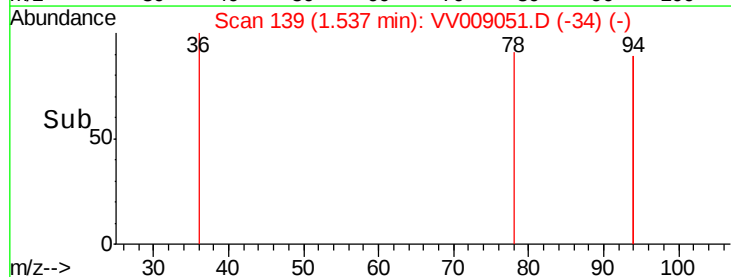
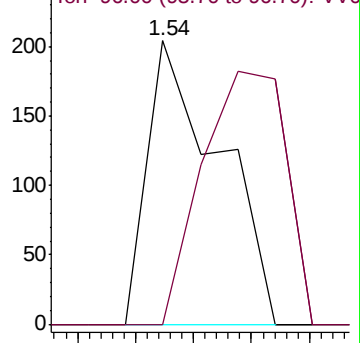
Ion Ratio Lower Upper

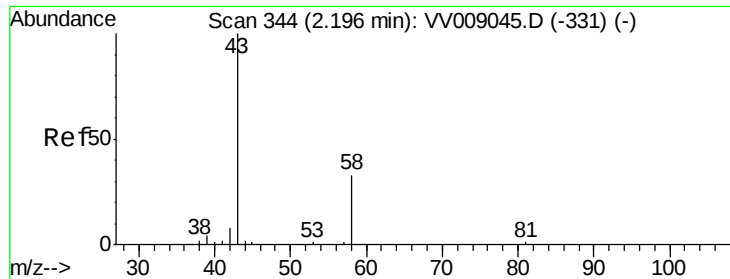
94 100

96 104.6 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV009045.D (-129) (-)





#13

Acetone

Concen: 2.891 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV009051.D

Acq: 19 Dec 2018 15:28

Instrument :

MSVOA_V

ClientSampleId :

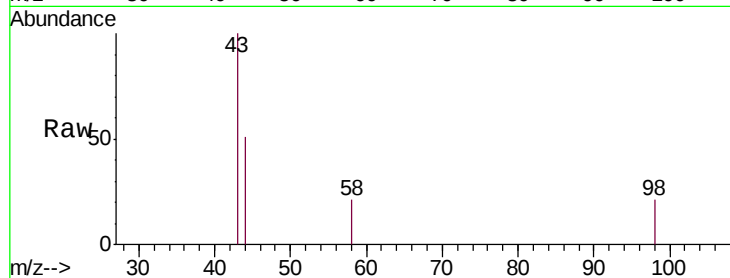
BEZY3RE

Tgt Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

58 10.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009045.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009045.D (-331) (-)

2.20

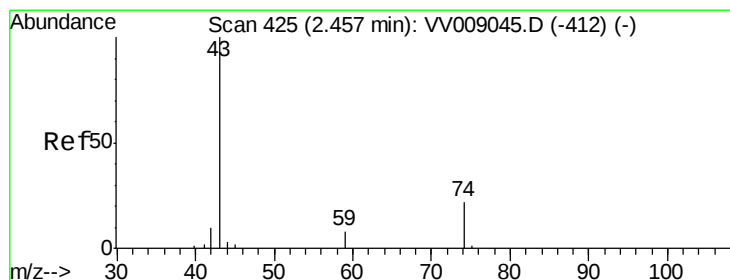
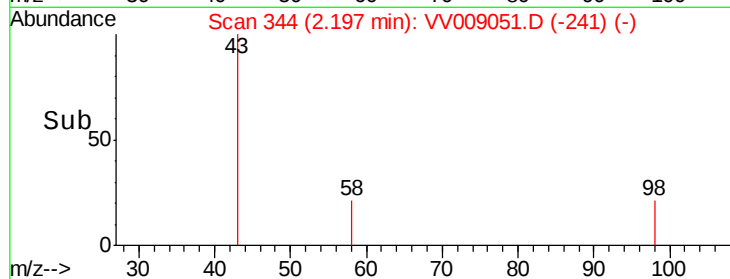
600

400

200

0

Time--> 2.16 2.18 2.20 2.22 2.24



#15

Methyl Acetate

Concen: 2.280 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.26 min

Lab File: VV009051.D

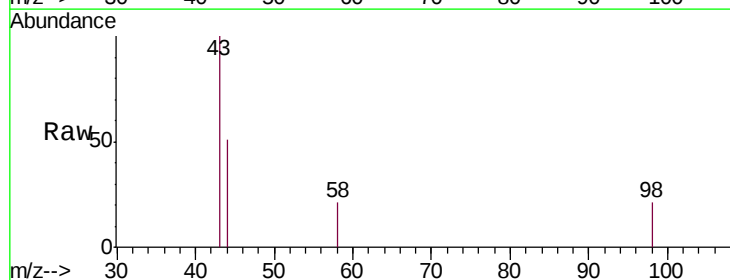
Acq: 19 Dec 2018 15:28

Tgt Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VV009045.D (-412) (-)

Ion 74.00 (73.70 to 74.70): VV009045.D (-412) (-)

2.20

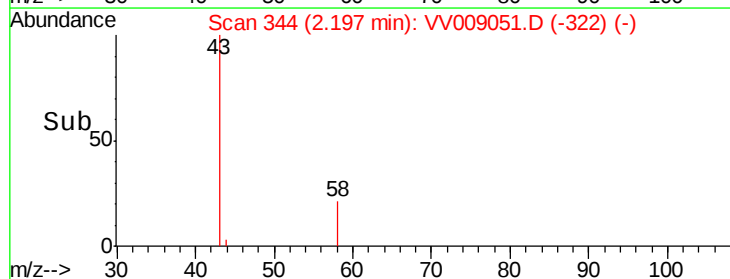
600

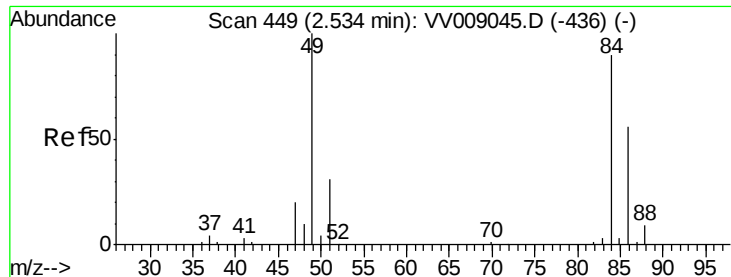
400

200

0

Time--> 2.16 2.18 2.20 2.22 2.24

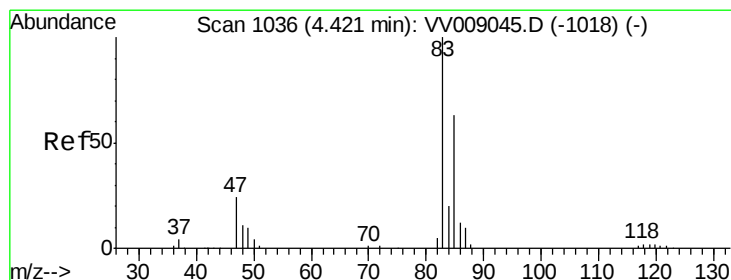
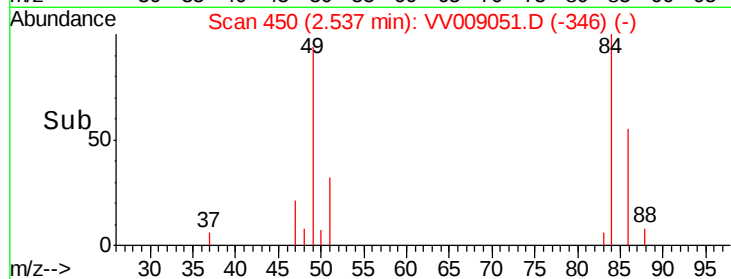
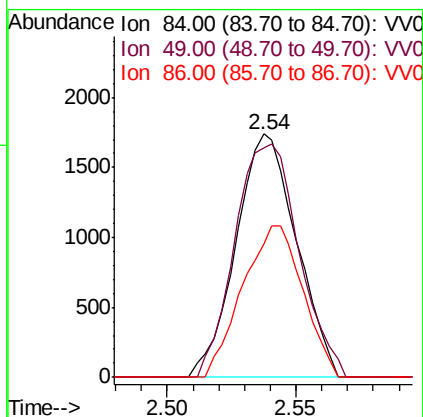
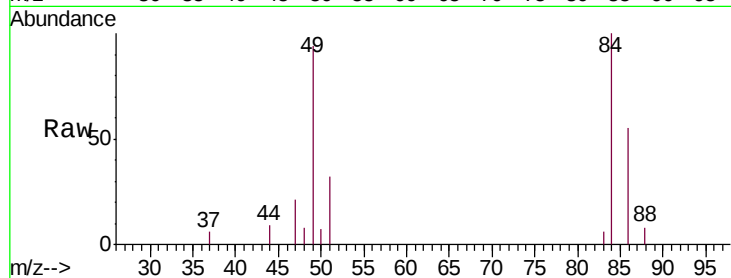




#16
Methylene chloride
Concen: 4.208 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009051.D
Acq: 19 Dec 2018 15:28

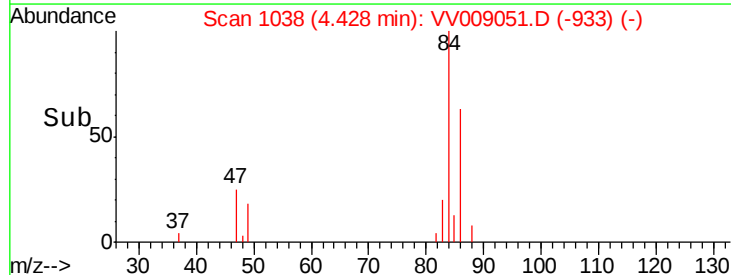
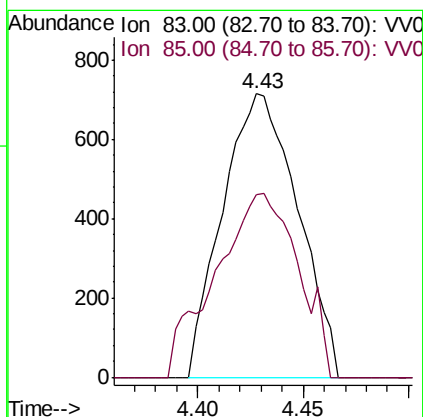
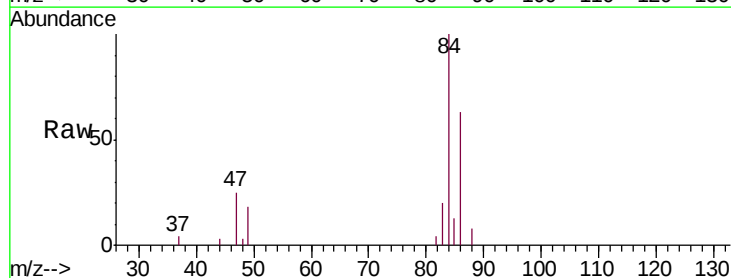
Instrument :
MSVOA_V
ClientSampleId :
BEZY3RE

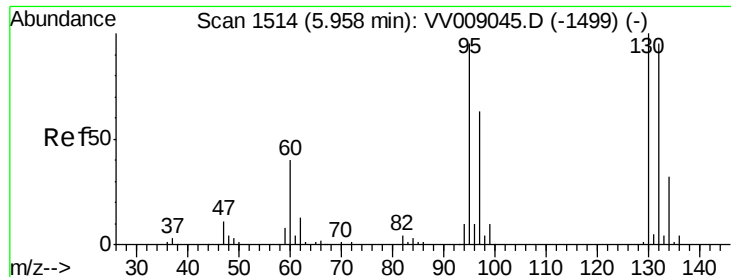
Tgt Ion: 84 Resp: 2848
Ion Ratio Lower Upper
84 100
49 94.4 80.5 149.5
86 54.9 45.5 84.5



#25
Chloroform
Concen: 1.817 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV009051.D
Acq: 19 Dec 2018 15:28

Tgt Ion: 83 Resp: 1770
Ion Ratio Lower Upper
83 100
85 61.4 45.6 84.8

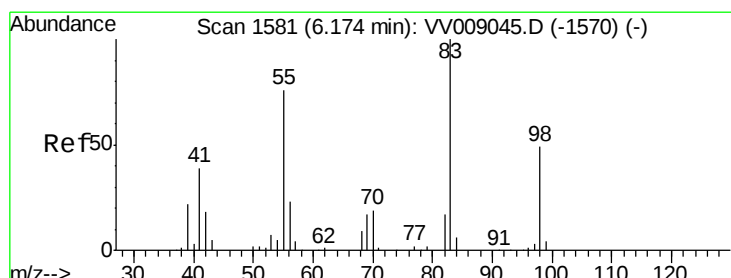
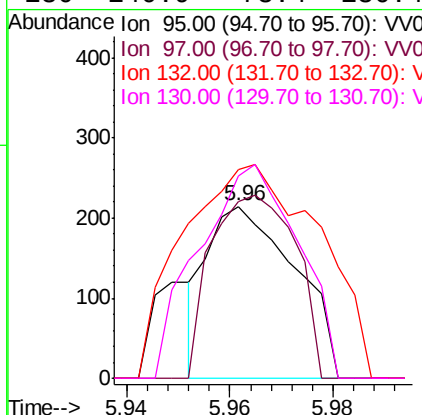
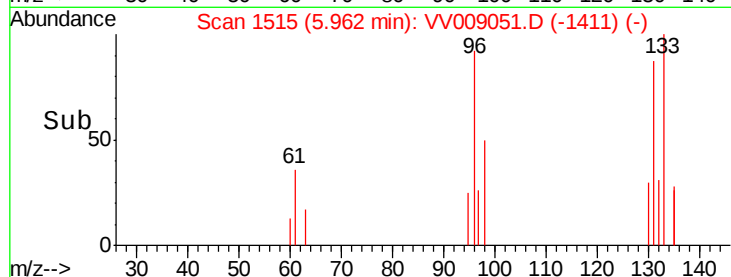
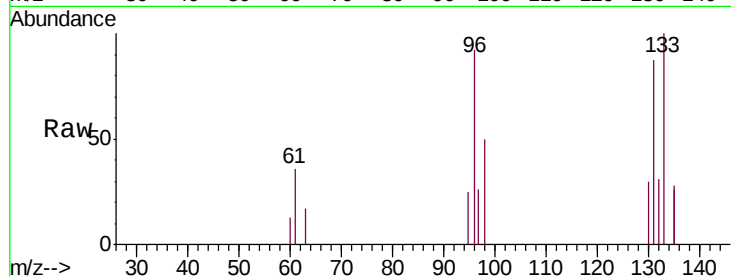




#35
 Trichloroethene
 Concen: 0.399 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV009051.D
 Acq: 19 Dec 2018 15:28

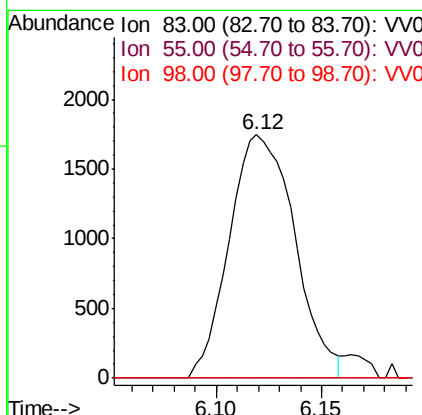
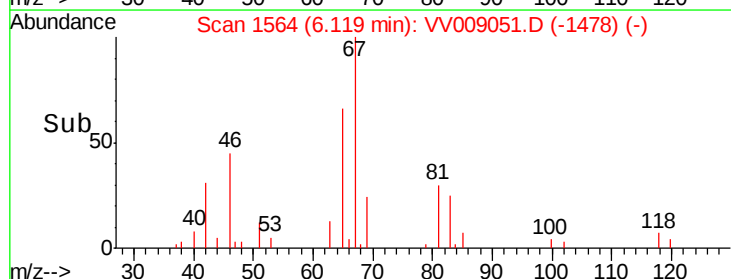
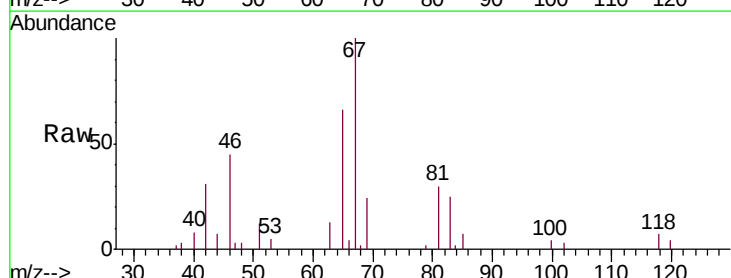
Instrument :
 MSVOA_V
 ClientSampleId :
 BEZY3RE

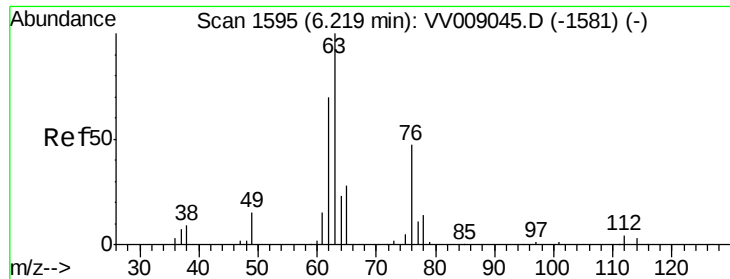
Tgt Ion: 95 Resp: 252
 Ion Ratio Lower Upper
 95 100
 97 102.8 45.3 84.1#
 132 192.9 70.0 130.0#
 130 140.9 73.4 136.4#



#36
 Methylcyclohexane
 Concen: 3.737 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.05 min
 Lab File: VV009051.D
 Acq: 19 Dec 2018 15:28

Tgt Ion: 83 Resp: 3766
 Ion Ratio Lower Upper
 83 100
 55 0.0 58.2 87.2#
 98 30.8 37.8 56.8#

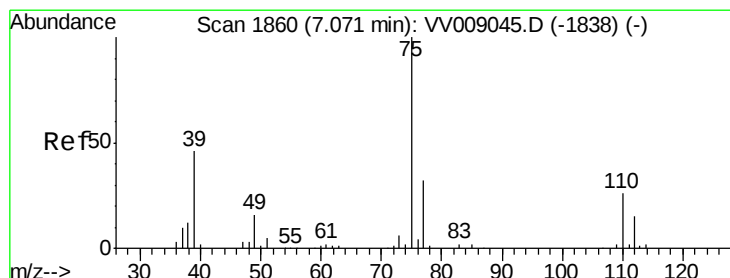
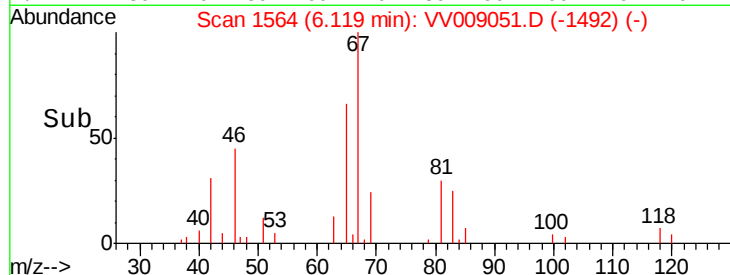
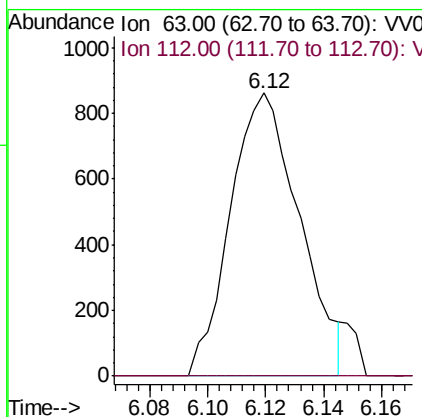
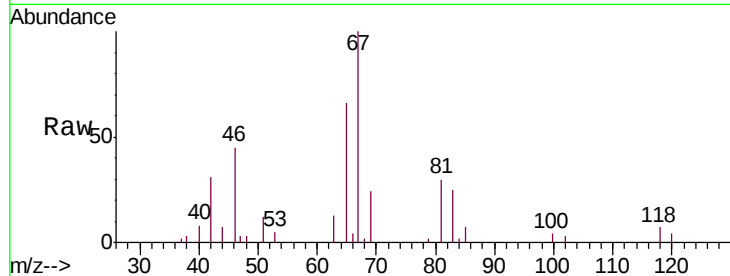




#40
 1,2-Dichloropropane
 Concen: 2.829 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009051.D
 Acq: 19 Dec 2018 15:28

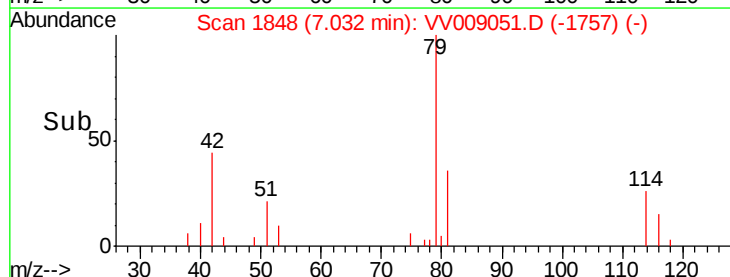
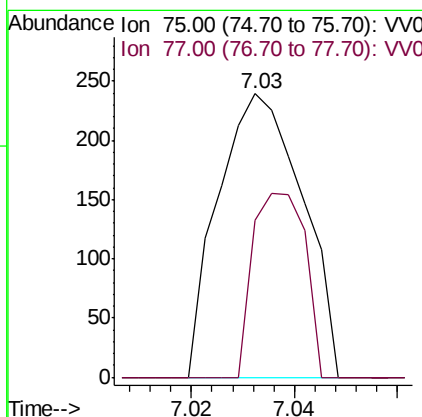
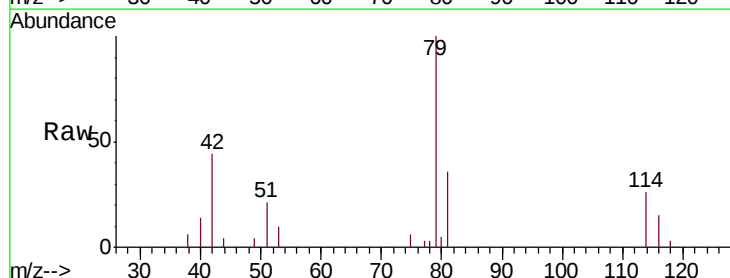
Instrument :
 MSVOA_V
 ClientSampleId :
 BEZY3RE

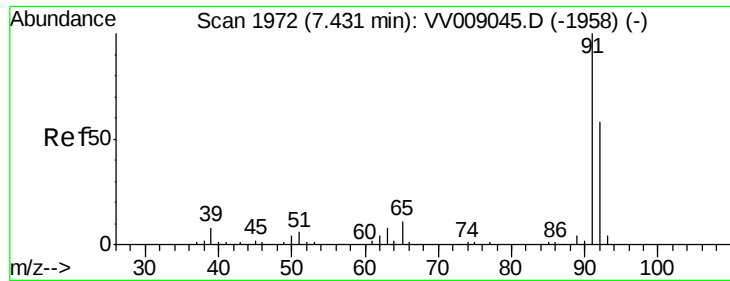
Tgt Ion: 63 Resp: 1423
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.365 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009051.D
 Acq: 19 Dec 2018 15:28

Tgt Ion: 75 Resp: 269
 Ion Ratio Lower Upper
 75 100
 77 55.6 21.3 39.6#





#44

Toluene

Concen: 0.546 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV009051.D

Acq: 19 Dec 2018 15:28

Instrument :

MSVOA_V

ClientSampleId :

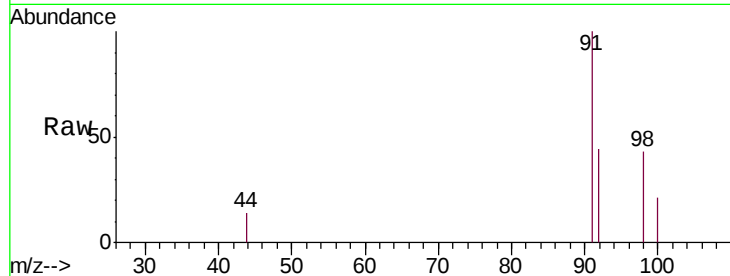
BEZY3RE

Tgt Ion: 91 Resp: 1201

Ion Ratio Lower Upper

91 100

92 43.5 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV009045.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009045.D (-1958) (-)

7.44

800

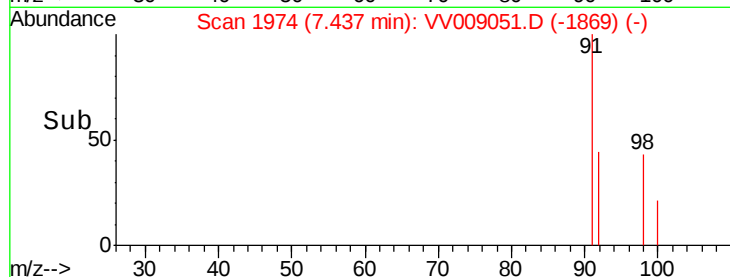
600

400

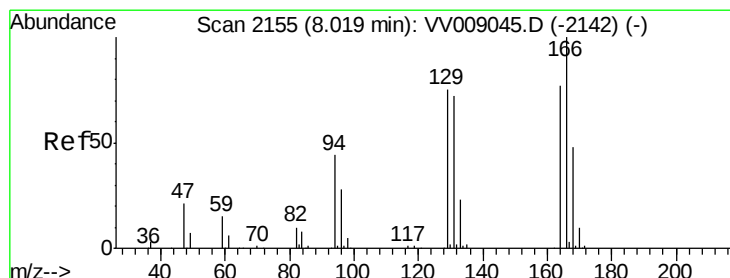
200

0

Time-->



Time-->



#47

Tetrachloroethene

Concen: 13.023 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV009051.D

Acq: 19 Dec 2018 15:28

Tgt Ion: 164 Resp: 6692

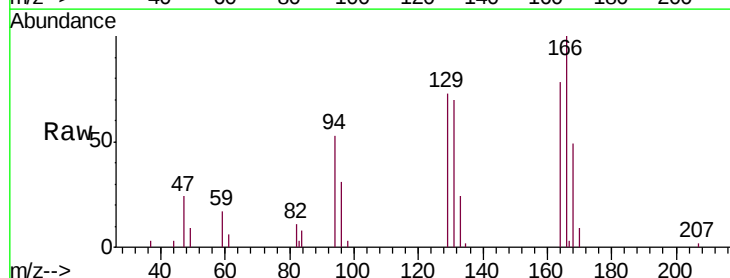
Ion Ratio Lower Upper

164 100

129 93.6 64.6 120.0

131 89.7 64.5 119.7

166 127.7 88.7 164.7



Abundance Ion 164.00 (163.70 to 164.70): VV009045.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV009045.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV009045.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV009045.D (-2142) (-)

8000

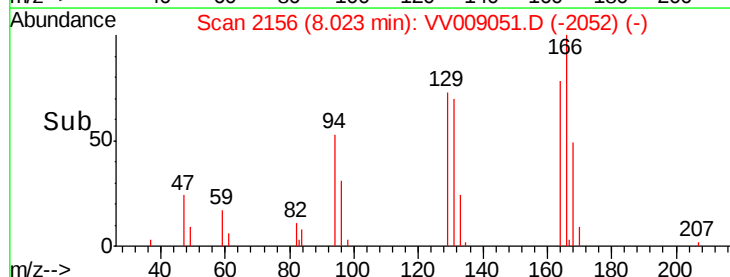
6000

4000

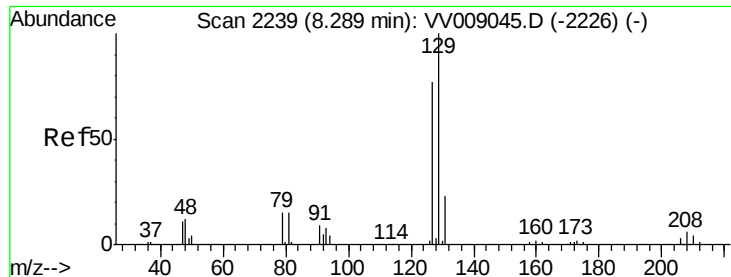
2000

0

Time-->



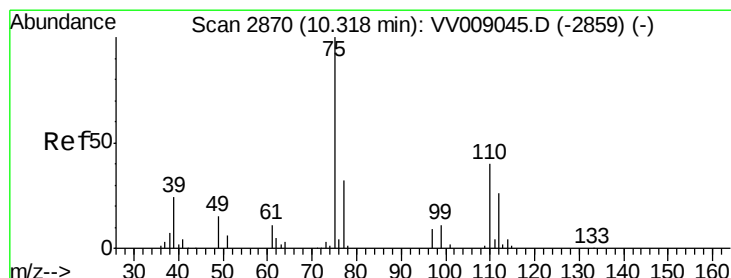
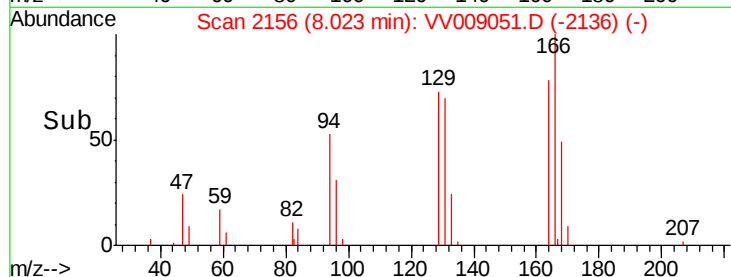
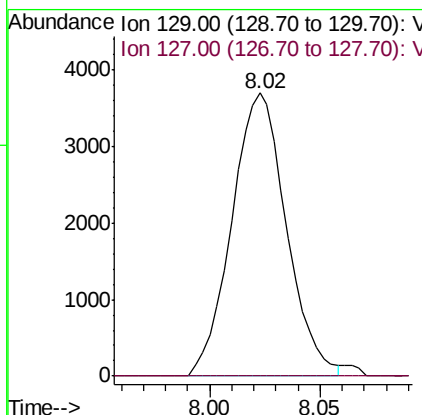
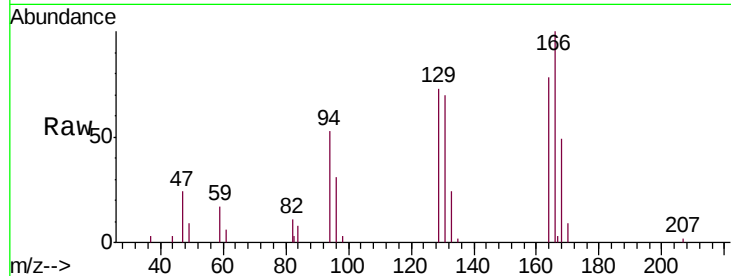
Time-->



#50
 Dibromochloromethane
 Concen: 13.203 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.27 min
 Lab File: VV009051.D
 Acq: 19 Dec 2018 15:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BEZY3RE

Tgt Ion:129 Resp: 6343
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.3#



#59
 1,2,3-Trichloropropane
 Concen: 2.977 ug/L
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.98 min
 Lab File: VV009051.D
 Acq: 19 Dec 2018 15:28

Tgt Ion: 75 Resp: 1167
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.6 38.4

