

Data File : VV010930.D
Acq On : 16 May 2019 13:15
Operator : SY/MD
Sample : K2788-14RE
Misc : 6.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A4

Quant Time: May 17 05:22:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Fri May 17 05:18:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	134589	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	134062	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31775	18.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.12%
7) Chloroethane-d5	1.57	69	25709	23.01	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.04%
10) 1,1-Dichloroethene-d2	2.12	63	50887	15.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.72%
20) 2-Butanone-d5	3.94	46	30687	56.88	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.76%
24) Chloroform-d	4.40	84	76556	19.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.08	65	46074	20.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.44%
29) Benzene-d6	5.09	84	154430	20.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.24%
33) 1,2-Dichloropropane-d6	6.12	67	51519	21.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.04%
37) Toluene-d8	7.36	98	139946	19.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.52%
38) trans-1,3-Dichloropropene-	7.66	79	21018	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.40%
39) 2-Hexanone-d5	8.13	63	21785	48.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49264	22.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	46503	21.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.76%

Target Compounds

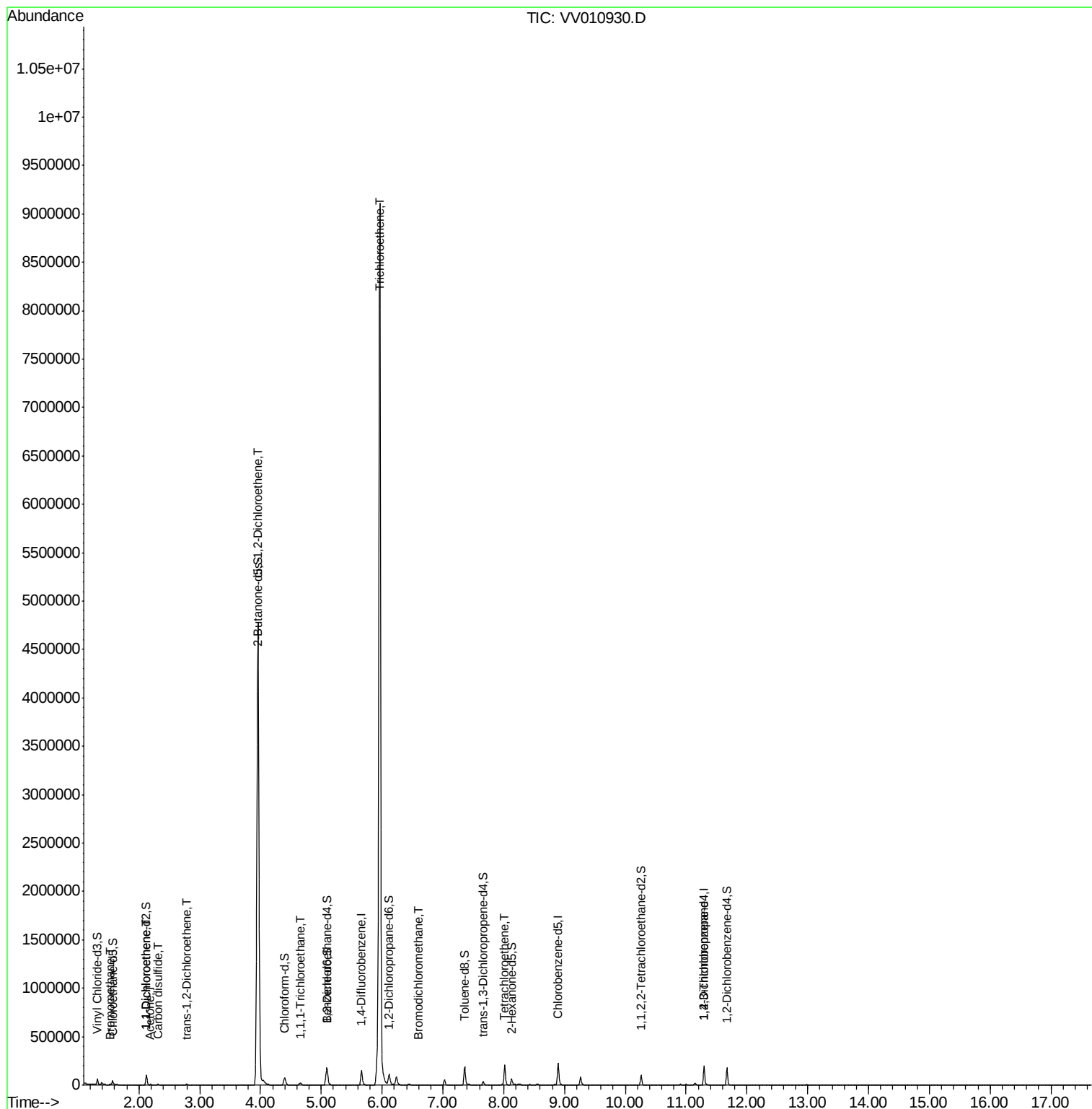
					Qvalue
6) Bromomethane	1.52	94	666	1.490 ug/L	92
12) 1,1-Dichloroethene	2.13	96	5837	3.763 ug/L #	1
13) Acetone	2.19	43	7794	14.184 ug/L	97
14) Carbon disulfide	2.31	76	12644	2.707 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	4285	2.319 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	2677816	1238.550 ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	15803	5.427 ug/L	97
35) Trichloroethene	5.96	95	3240985	1600.356 ug/L	98
41) Bromodichloromethane	6.59	83	2582	0.946 ug/L #	25
47) Tetrachloroethene	8.02	164	45687	30.531 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	6948	4.236 ug/L	90

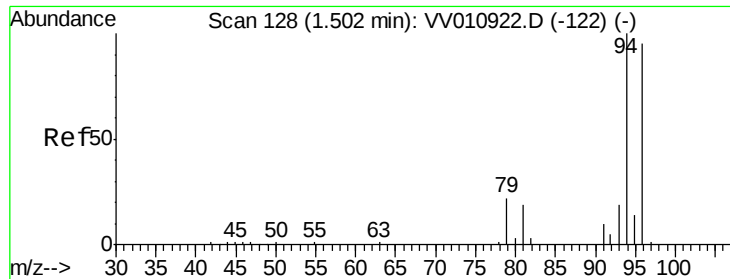
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 17 05:18:40 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 1.490 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.02 min

Lab File: VV010930.D

Acq: 16 May 2019 13:15

Instrument :

MSVOA_V

ClientSampleId :

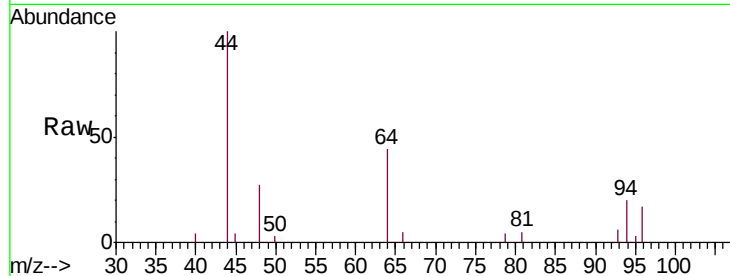
A51A4

Tgt Ion: 94 Resp: 666

Ion Ratio Lower Upper

94 100

96 88.0 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

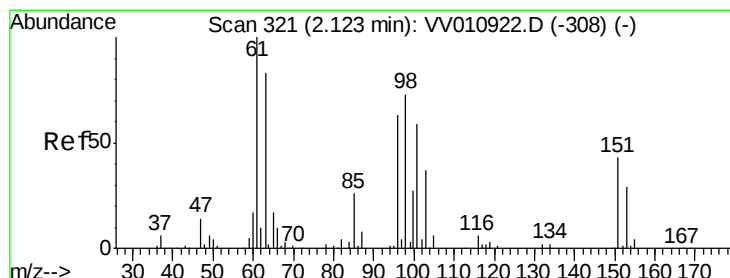
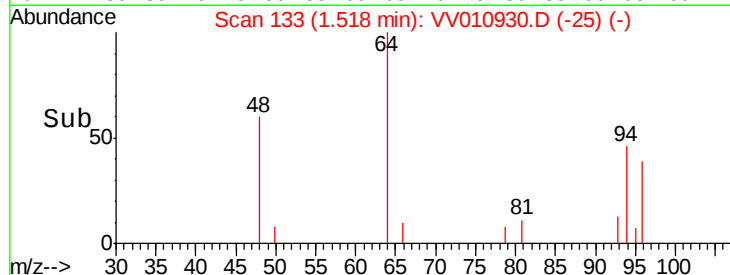
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 3.763 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV010930.D

Acq: 16 May 2019 13:15

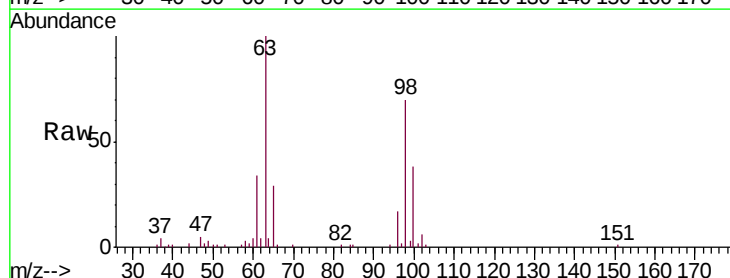
Tgt Ion: 96 Resp: 5837

Ion Ratio Lower Upper

96 100

61 199.9 117.5 218.3

63 588.3 82.8 153.8#



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

40000

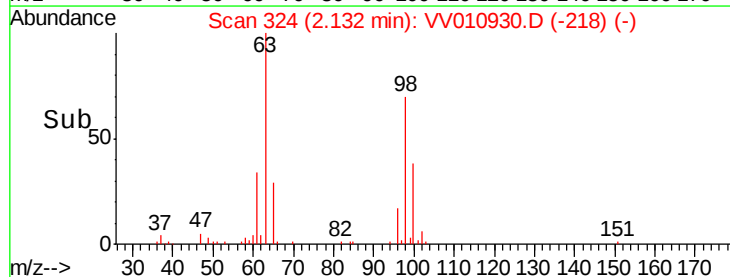
30000

20000

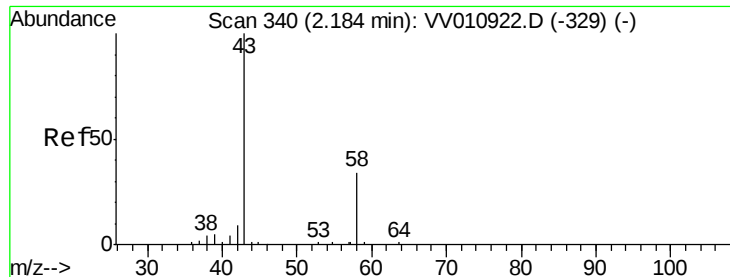
10000

0

Time-->



Time-->



#13

Acetone

Concen: 14.184 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010930.D

Acq: 16 May 2019 13:15

Instrument :

MSVOA_V

ClientSampleId :

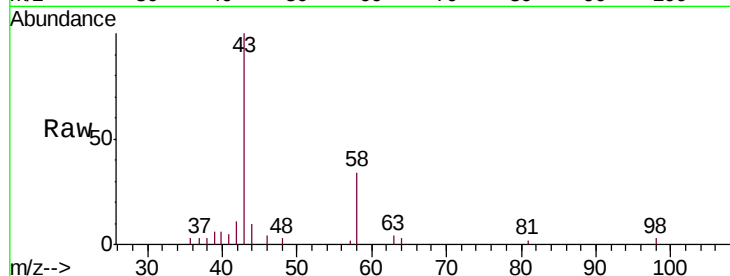
A51A4

Tgt Ion: 43 Resp: 7794

Ion Ratio Lower Upper

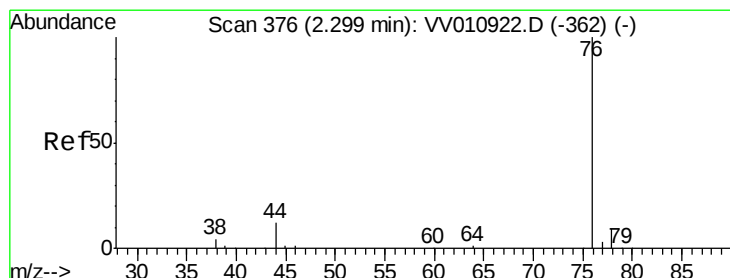
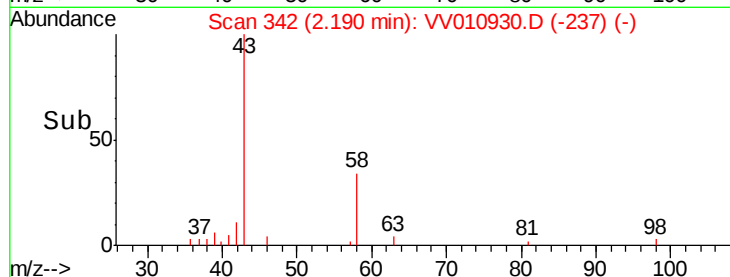
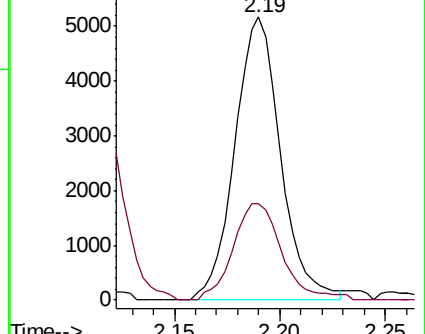
43 100

58 36.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV010922.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV010922.D (-329) (-)



#14

Carbon disulfide

Concen: 2.707 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV010930.D

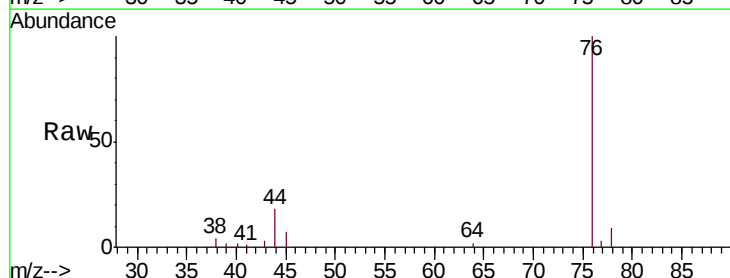
Acq: 16 May 2019 13:15

Tgt Ion: 76 Resp: 12644

Ion Ratio Lower Upper

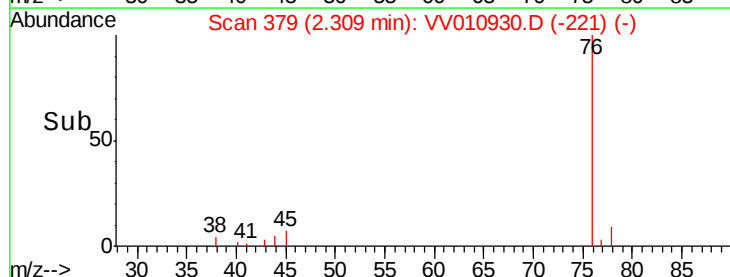
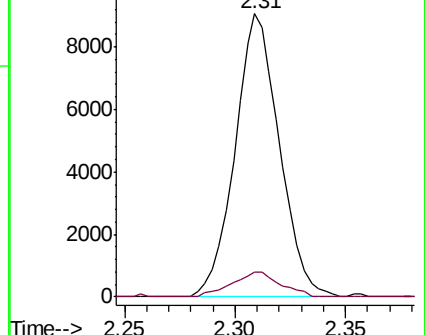
76 100

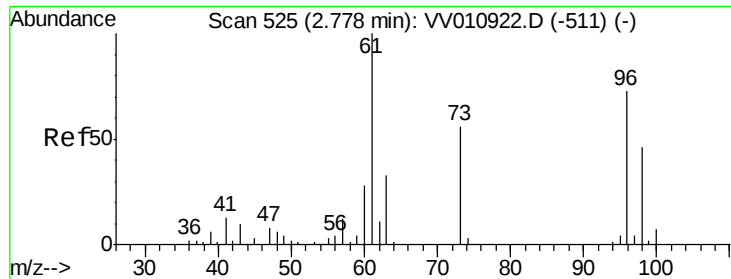
78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV010922.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV010922.D (-362) (-)

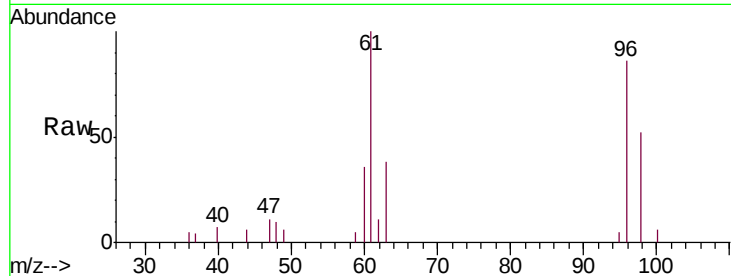




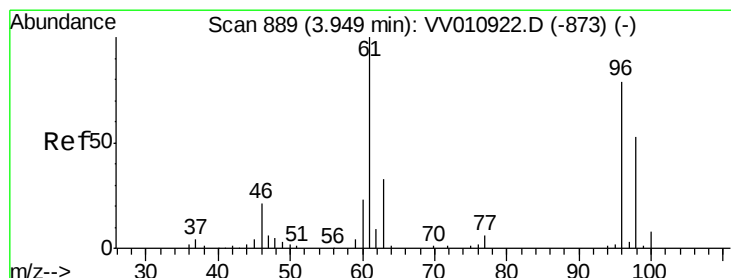
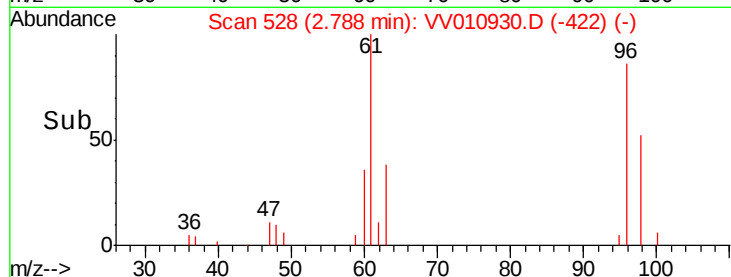
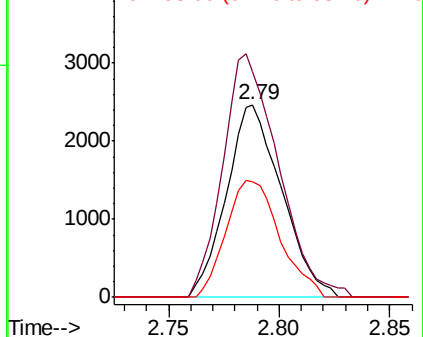
#18
trans-1,2-Dichloroethene
Concen: 2.319 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV010930.D
Acq: 16 May 2019 13:15

Instrument :
MSVOA_V
ClientSampled :
A51A4

Tgt Ion: 96 Resp: 4285
Ion Ratio Lower Upper
96 100
61 116.9 95.0 176.4
98 60.2 43.3 80.3

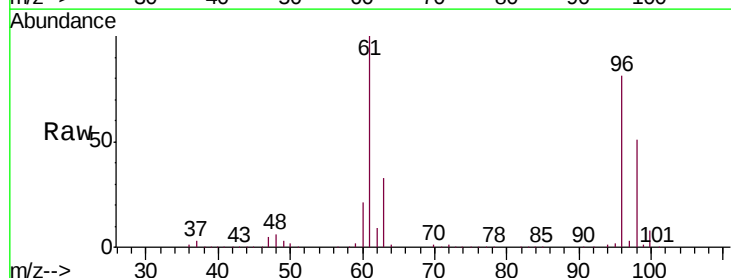


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

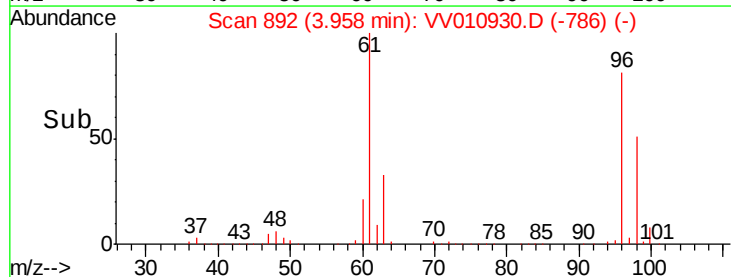
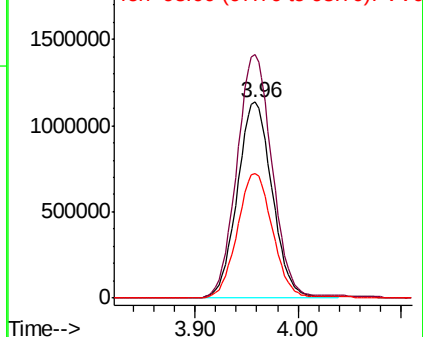


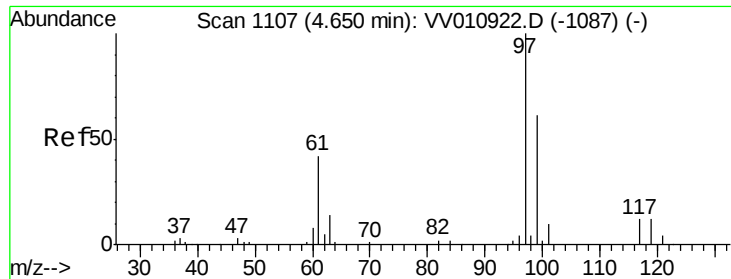
#22
cis-1,2-Dichloroethene
Concen: 1238.550 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.01 min
Lab File: VV010930.D
Acq: 16 May 2019 13:15

Tgt Ion: 96 Resp: 2677816
Ion Ratio Lower Upper
96 100
61 124.1 90.2 167.6
98 63.7 44.2 82.0



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





#31

1,1,1-Trichloroethane

Concen: 5.427 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VV010930.D

Acq: 16 May 2019 13:15

Instrument :

MSVOA_V

ClientSampleId :

A51A4

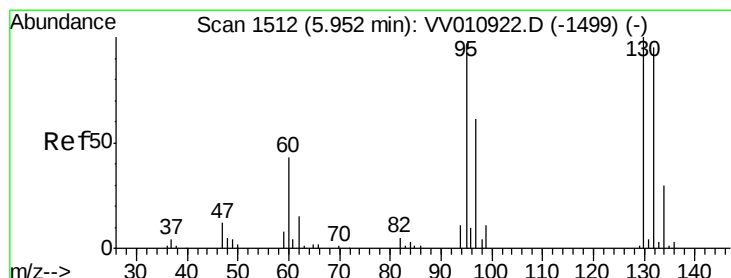
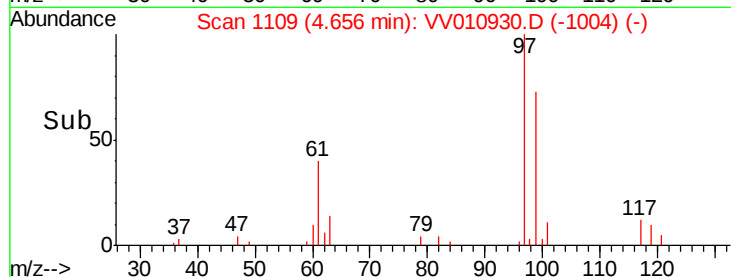
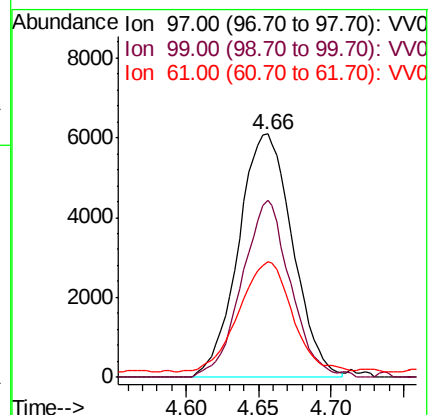
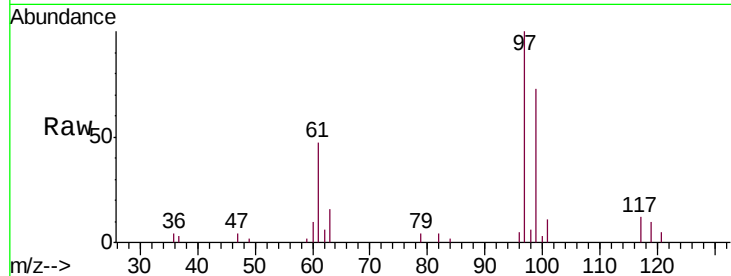
Tgt Ion: 97 Resp: 15803

Ion Ratio Lower Upper

97 100

99 65.0 49.4 74.2

61 42.8 34.6 51.8



#35

Trichloroethene

Concen: 1600.356 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV010930.D

Acq: 16 May 2019 13:15

Tgt Ion: 95 Resp: 3240985

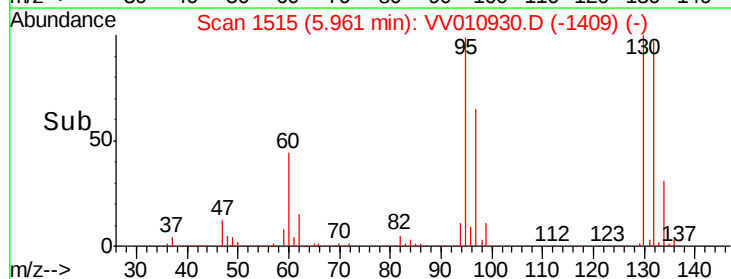
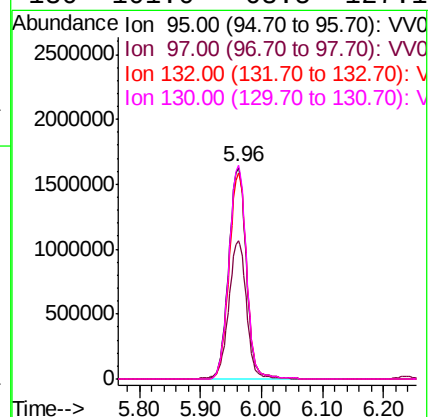
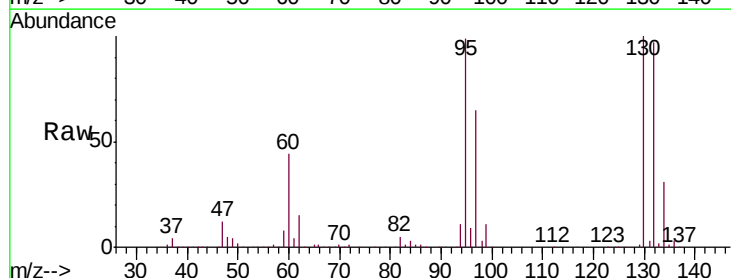
Ion Ratio Lower Upper

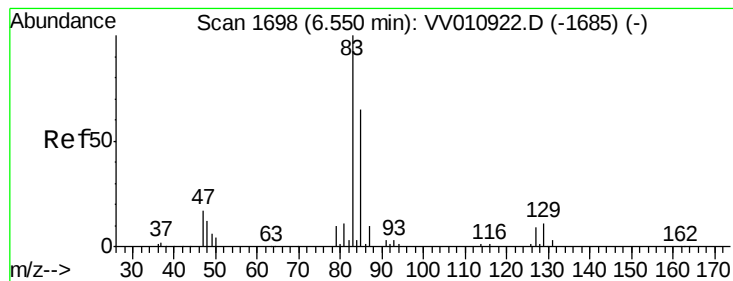
95 100

97 65.9 46.0 85.4

132 97.0 67.4 125.2

130 101.0 68.5 127.1





#41

Bromodichloromethane

Concen: 0.946 ug/L

RT: 6.59 min Scan# 1710

Delta R.T. 0.04 min

Lab File: VV010930.D

Acq: 16 May 2019 13:15

Instrument :

MSVOA_V

ClientSampled :

A51A4

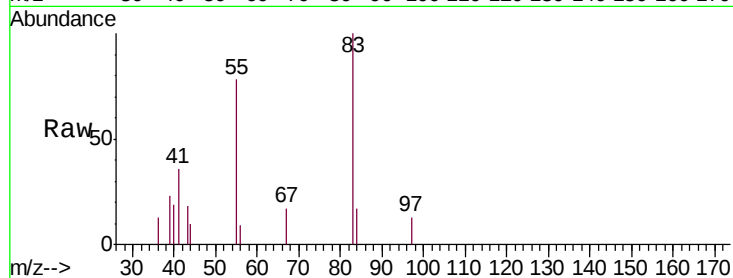
Tgt Ion: 83 Resp: 2582

Ion Ratio Lower Upper

83 100

85 0.0 45.3 84.1#

127 0.0 7.4 11.2#

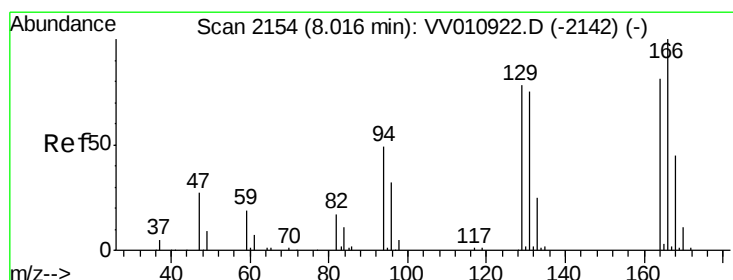
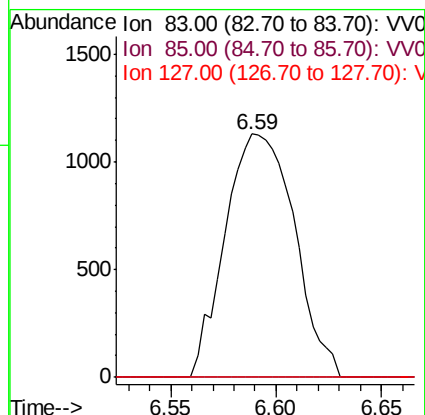
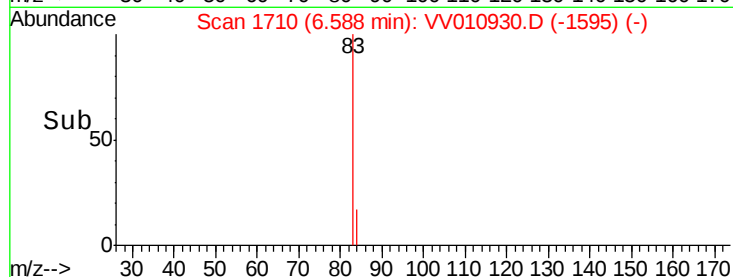


Abundance Ion 83.00 (82.70 to 83.70): VV010930.D (-1595) (-)

Ion 85.00 (84.70 to 85.70): VV010930.D (-1595) (-)

Ion 127.00 (126.70 to 127.70): VV010930.D (-1595) (-)

Time-->



#47

Tetrachloroethene

Concen: 30.531 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010930.D

Acq: 16 May 2019 13:15

Tgt Ion: 164 Resp: 45687

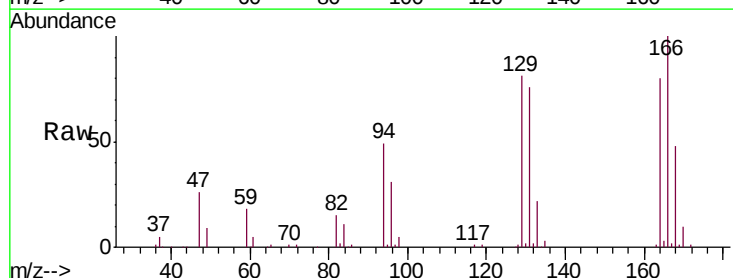
Ion Ratio Lower Upper

164 100

129 100.8 67.6 125.6

131 94.8 65.1 120.9

166 124.3 84.8 157.6



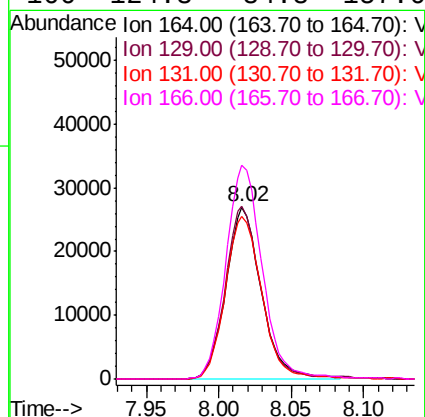
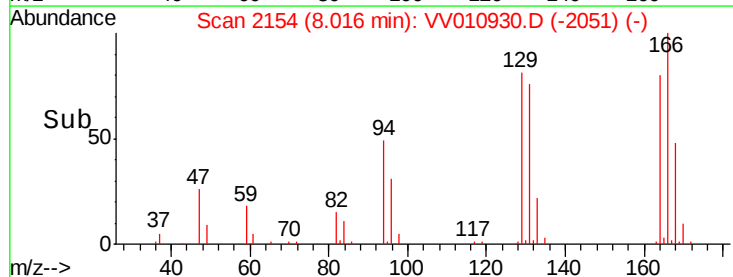
Abundance Ion 164.00 (163.70 to 164.70): VV010930.D (-2051) (-)

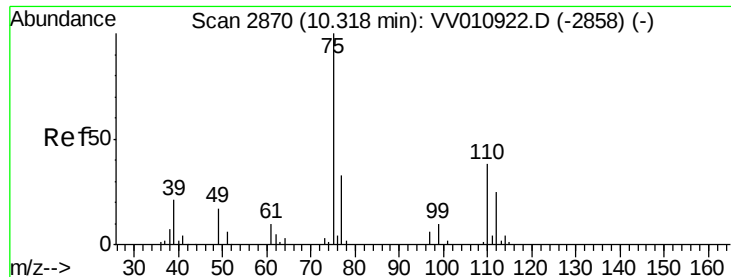
Ion 129.00 (128.70 to 129.70): VV010930.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV010930.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV010930.D (-2051) (-)

Time-->





#59
 1,2,3-Trichloropropane
 Concen: 4.236 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV010930.D
 Acq: 16 May 2019 13:15

Instrument :
 MSVOA_V
 ClientSampleId :
 A51A4

Tgt Ion: 75 Resp: 6948
 Ion Ratio Lower Upper
 75 100
 77 38.6 26.4 39.6

