

Data File : VV010912.D
Acq On : 15 May 2019 23:39
Operator : SY/MD
Sample : K2788-14
Misc : 6.62G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A4

Quant Time: May 16 08:14:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 08:09:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	5057	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	3592	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	800	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2092	32.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.88%
7) Chloroethane-d5	1.58	69	1933	46.04	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	184.16%#
10) 1,1-Dichloroethene-d2	2.14	63	3398	27.87	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.48%#
20) 2-Butanone-d5	3.94	46	391	19.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	38.58%
24) Chloroform-d	4.41	84	4224	28.93	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.72%
26) 1,2-Dichloroethane-d4	5.08	65	1071	12.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	51.60%#
29) Benzene-d6	5.10	84	7394	37.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	148.76%#
33) 1,2-Dichloropropane-d6	6.12	67	2381	37.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	150.16%#
37) Toluene-d8	7.37	98	5593	29.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.08%
38) trans-1,3-Dichloropropene-	7.67	79	460	16.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.48%
39) 2-Hexanone-d5	8.14	63	346	28.79	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	2118	36.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	144.00%#
61) 1,2-Dichlorobenzene-d4	11.68	152	947	28.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.36%

Target Compounds

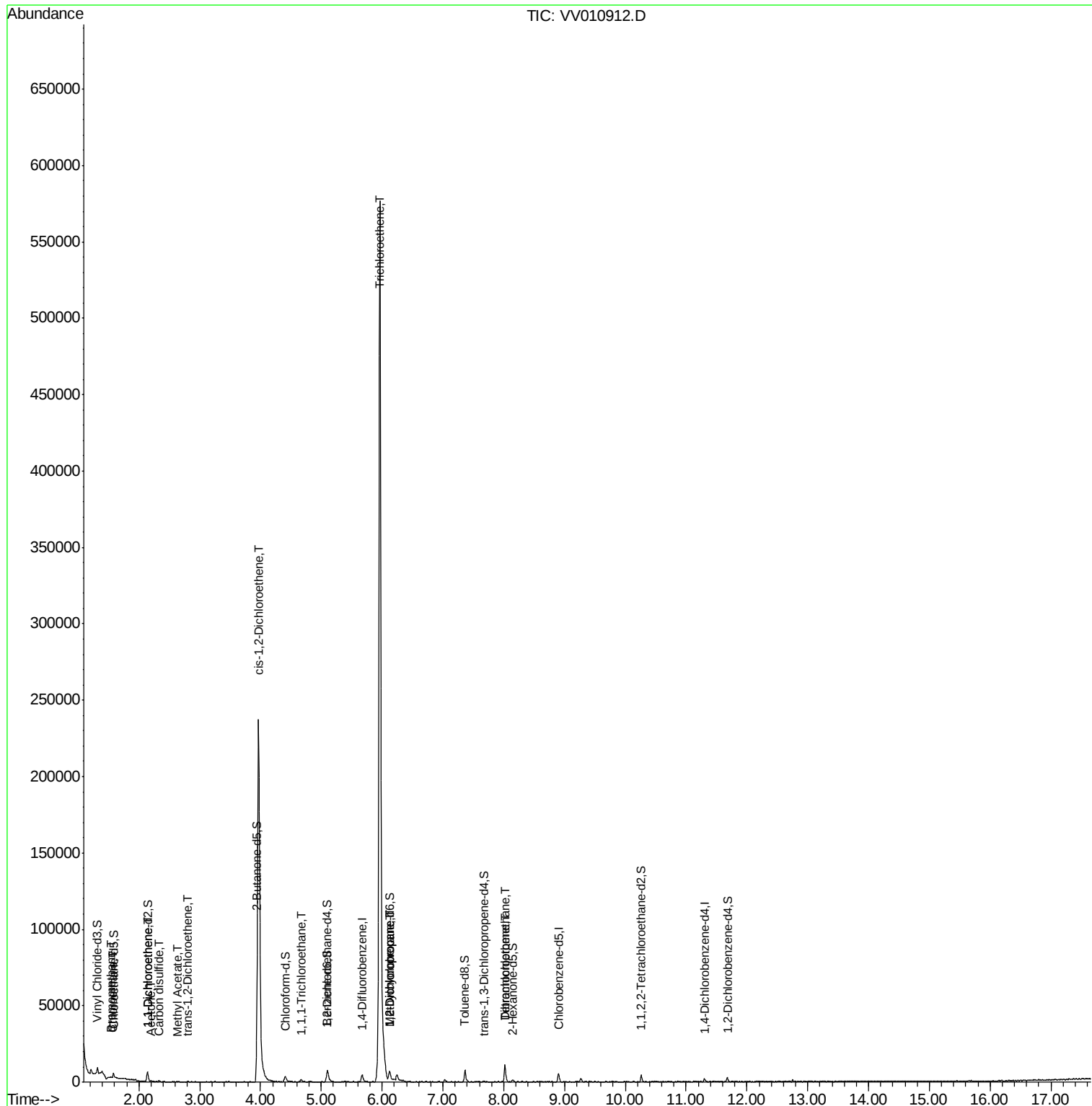
						Qvalue
6) Bromomethane	1.53	94	176	10.482	ug/L	89
8) Chloroethane	1.56	64	75	2.005	ug/L #	42
12) 1,1-Dichloroethene	2.15	96	534	9.163	ug/L #	1
13) Acetone	2.20	43	683	33.081	ug/L	84
14) Carbon disulfide	2.33	76	717	4.085	ug/L #	75
15) Methyl Acetate	2.63	43	42	0.977	ug/L #	52
18) trans-1,2-Dichloroethene	2.82	96	151	2.175	ug/L #	29
22) cis-1,2-Dichloroethene	3.97	96	148343	1826.066	ug/L	98
31) 1,1,1-Trichloroethane	4.67	97	1025	13.138	ug/L #	68
35) Trichloroethene	5.96	95	230491	4247.788	ug/L	99
36) Methylcyclohexane	6.12	83	519	6.873	ug/L #	1
40) 1,2-Dichloropropane	6.13	63	91	1.596	ug/L #	1
47) Tetrachloroethene	8.02	164	2497	62.278	ug/L	88
50) Dibromochloromethane	8.02	129	2509	49.117	ug/L #	11

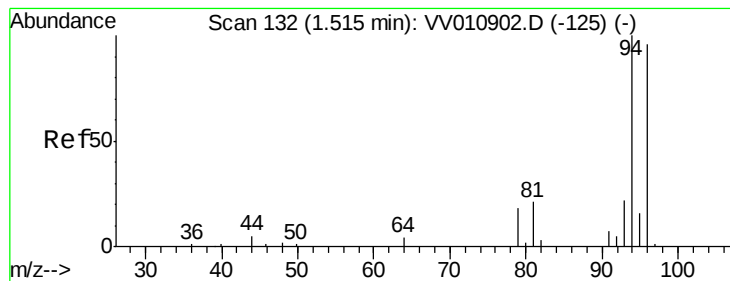
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 16 08:09:42 2019
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#6

Bromomethane

Concen: 10.482 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.02 min

Lab File: VV010912.D

Acq: 15 May 2019 23:39

Instrument :

MSVOA_V

ClientSampleId :

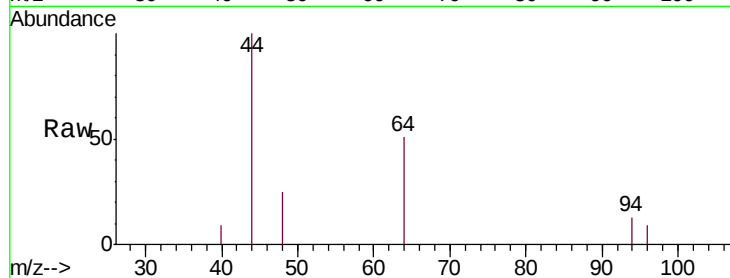
A51A4

Tgt Ion: 94 Resp: 176

Ion Ratio Lower Upper

94 100

96 84.7 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV010912.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV010912.D (-125) (-)

1.53

200

150

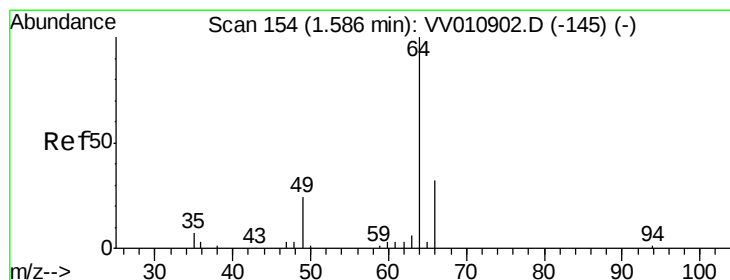
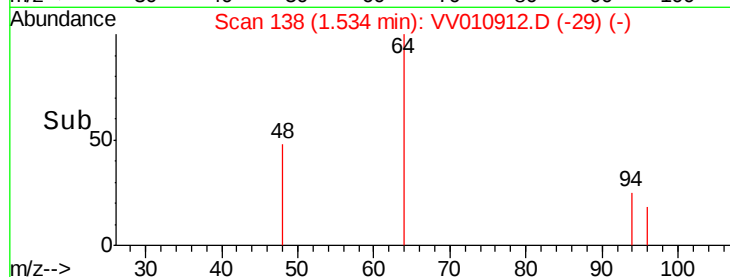
100

50

0

1.52 1.53 1.54 1.55

Time-->



#8

Chloroethane

Concen: 2.005 ug/L

RT: 1.56 min Scan# 146

Delta R.T. -0.03 min

Lab File: VV010912.D

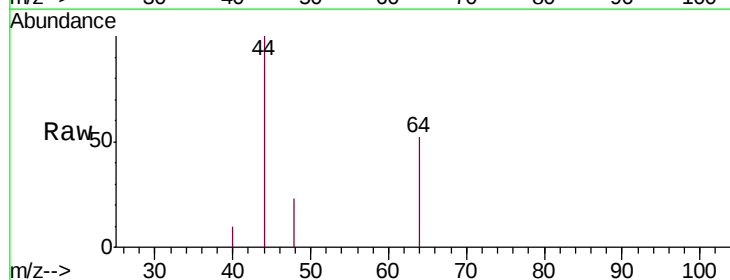
Acq: 15 May 2019 23:39

Tgt Ion: 64 Resp: 75

Ion Ratio Lower Upper

64 100

66 0.0 22.5 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VV010912.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV010912.D (-145) (-)

1.56

1000

800

600

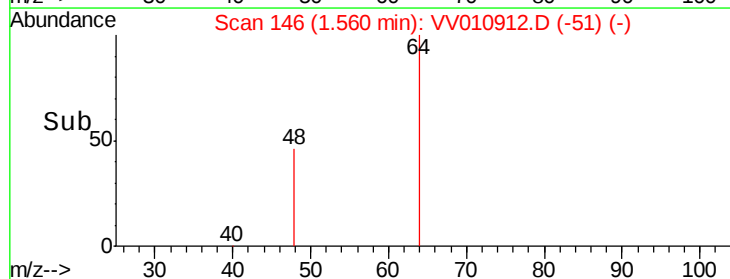
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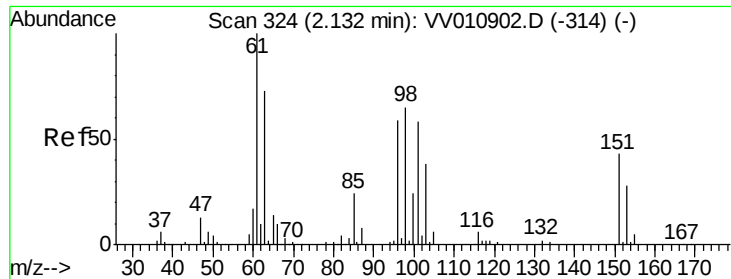
200

0

1.54 1.55 1.56 1.57

Time-->

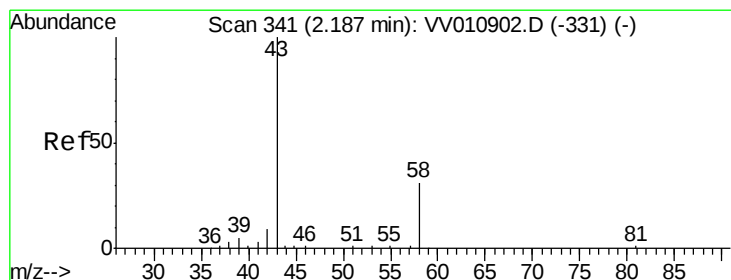
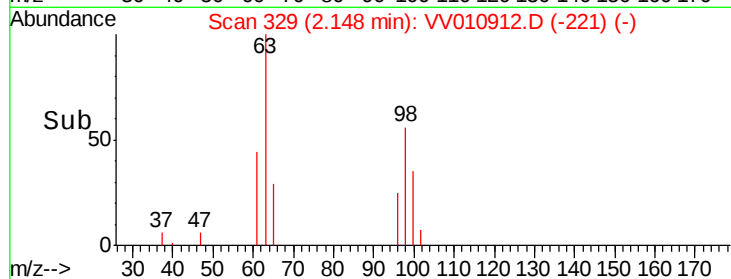
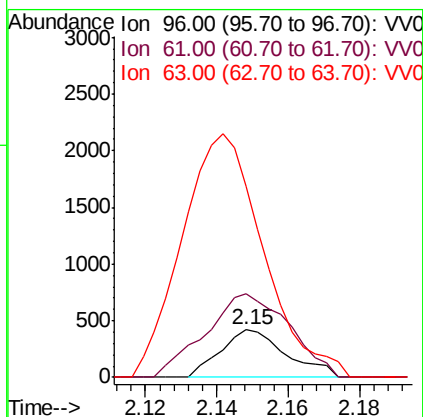
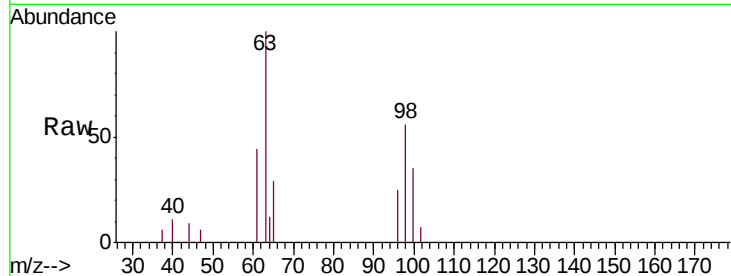




#12
 1,1-Dichloroethene
 Concen: 9.163 ug/L
 RT: 2.15 min Scan# 329
 Delta R.T. 0.02 min
 Lab File: VV010912.D
 Acq: 15 May 2019 23:39

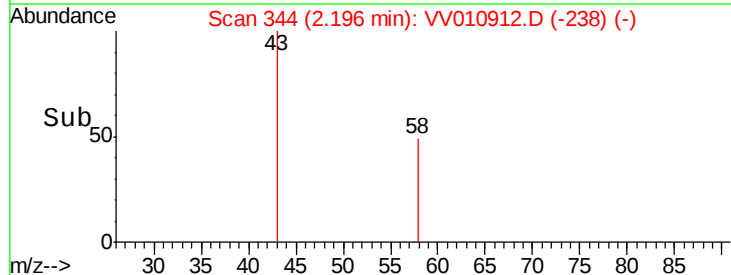
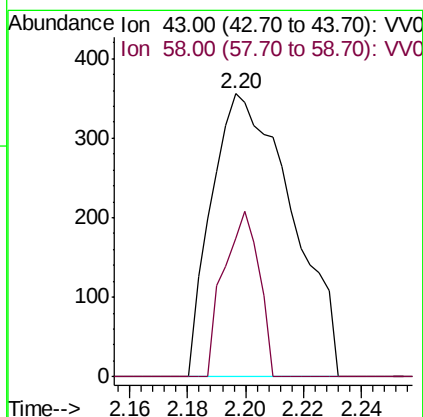
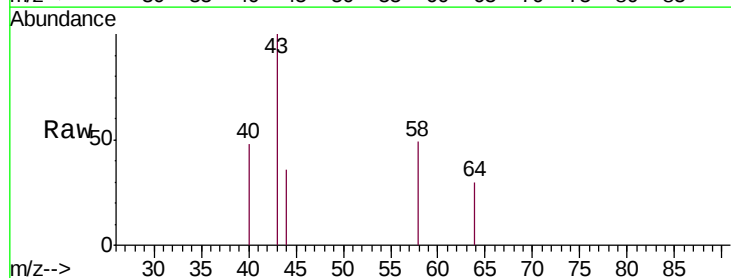
Instrument :
 MSVOA_V
 ClientSampleId :
 A51A4

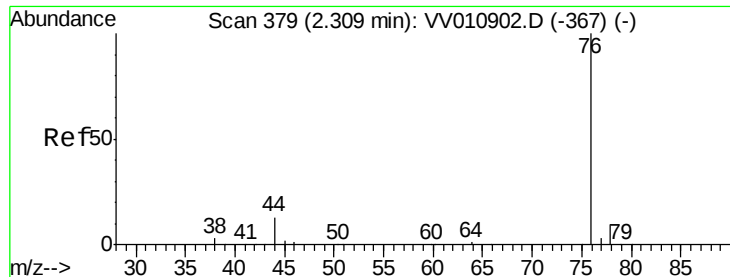
Tgt Ion: 96 Resp: 534
 Ion Ratio Lower Upper
 96 100
 61 174.9 117.5 218.3
 63 401.7 82.8 153.8#



#13
 Acetone
 Concen: 33.081 ug/L
 RT: 2.20 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VV010912.D
 Acq: 15 May 2019 23:39

Tgt Ion: 43 Resp: 683
 Ion Ratio Lower Upper
 43 100
 58 25.6 0.0 69.2

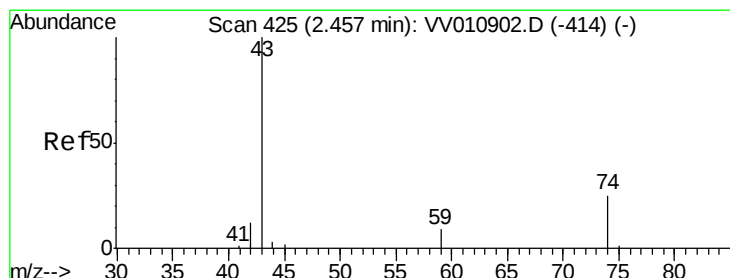
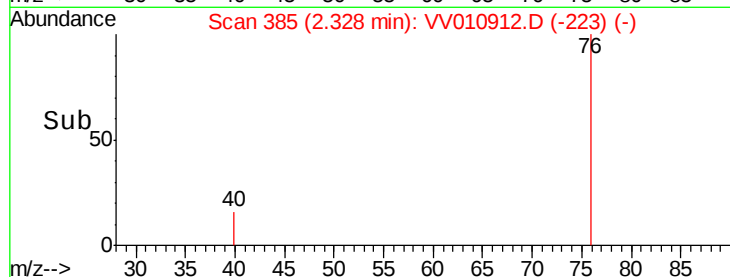
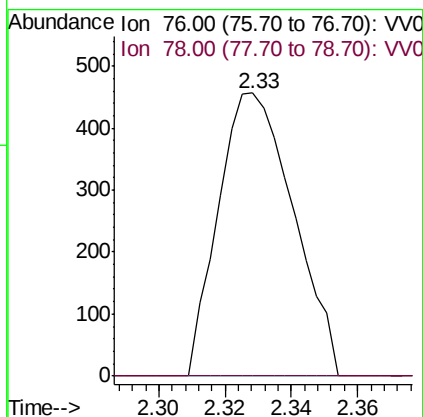
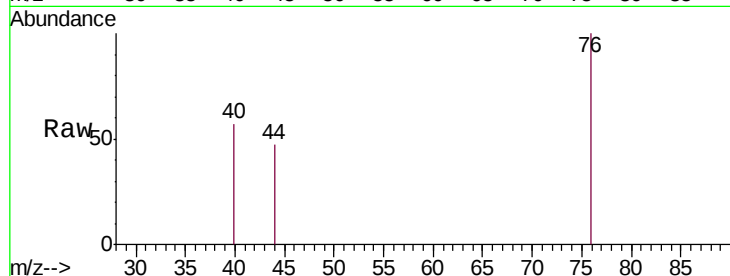




#14
Carbon disulfide
Concen: 4.085 ug/L
RT: 2.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VV010912.D
Acq: 15 May 2019 23:39

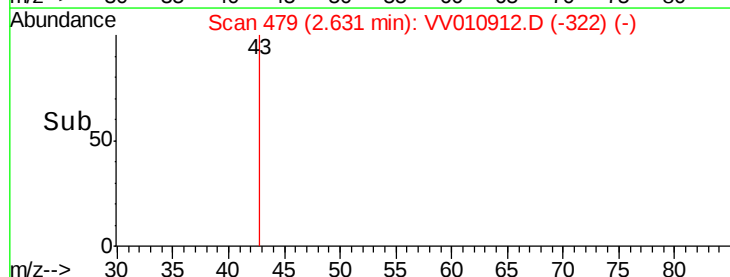
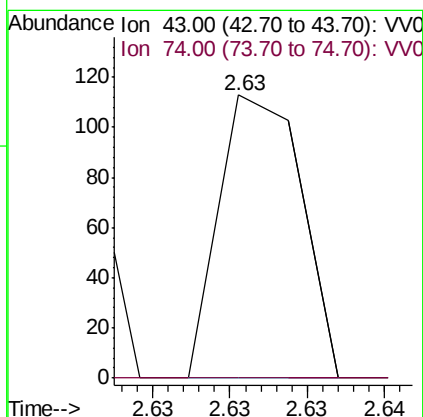
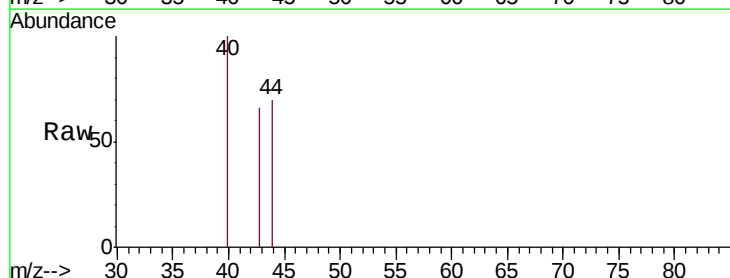
Instrument :
MSVOA_V
ClientSampled :
A51A4

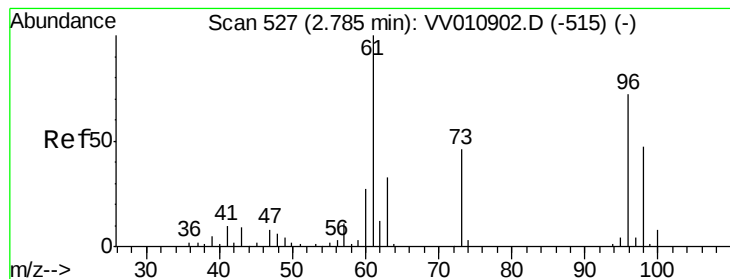
Tgt Ion: 76 Resp: 717
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#15
Methyl Acetate
Concen: 0.977 ug/L
RT: 2.63 min Scan# 479
Delta R.T. 0.17 min
Lab File: VV010912.D
Acq: 15 May 2019 23:39

Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#





#18

trans-1,2-Dichloroethene

Concen: 2.175 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.03 min

Lab File: VV010912.D

Acq: 15 May 2019 23:39

Instrument :

MSVOA_V

ClientSampled :

A51A4

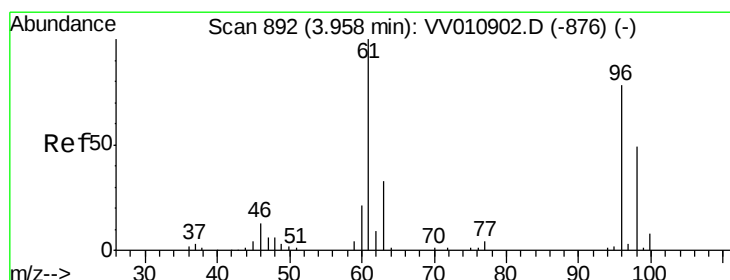
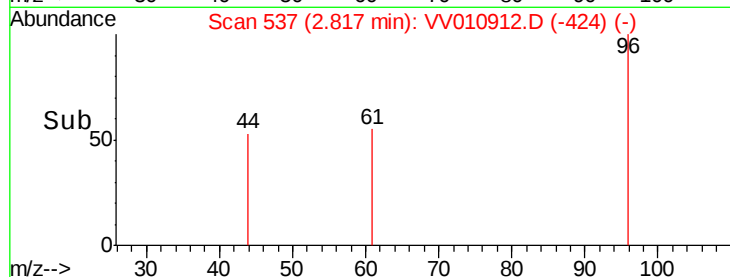
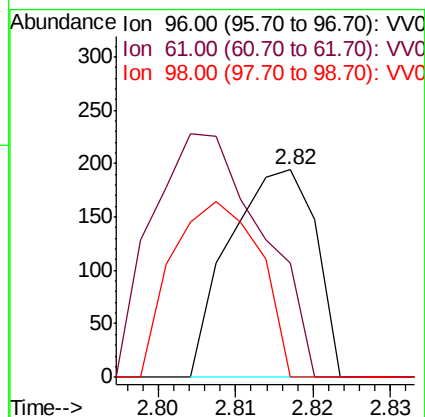
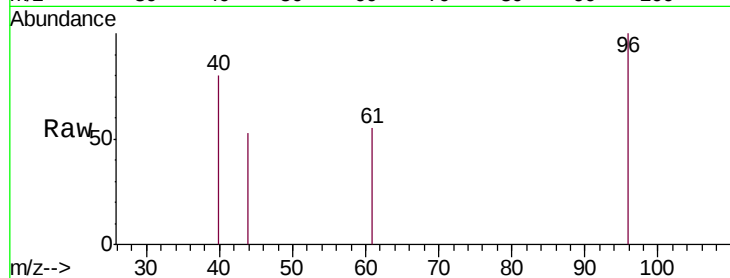
Tgt Ion: 96 Resp: 151

Ion Ratio Lower Upper

96 100

61 55.2 95.0 176.4#

98 0.0 43.3 80.3#



#22

cis-1,2-Dichloroethene

Concen: 1826.066 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV010912.D

Acq: 15 May 2019 23:39

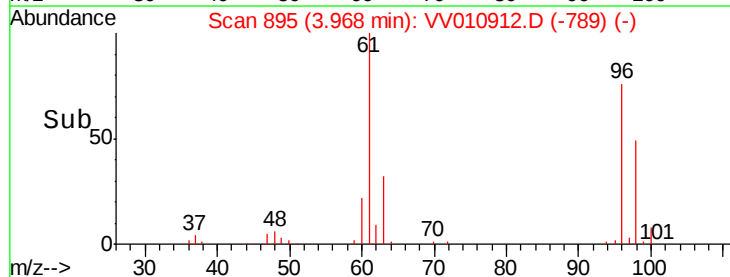
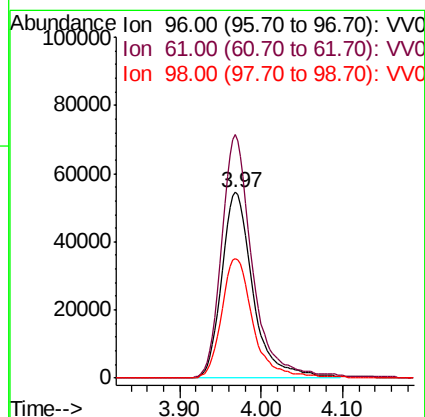
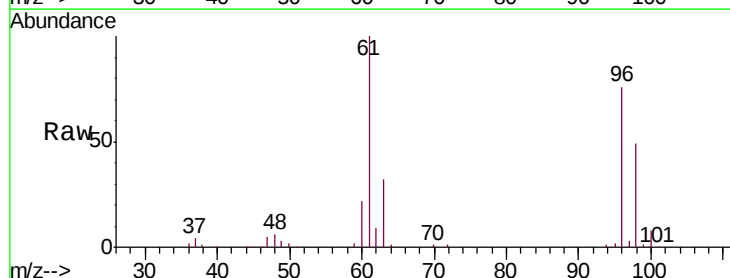
Tgt Ion: 96 Resp: 148343

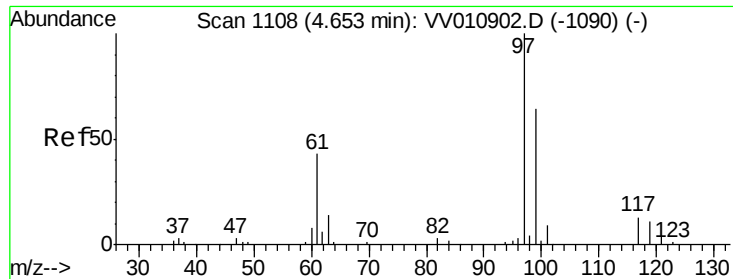
Ion Ratio Lower Upper

96 100

61 131.0 90.2 167.6

98 64.6 44.2 82.0





#31

1,1,1-Trichloroethane

Concen: 13.138 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VV010912.D

Acq: 15 May 2019 23:39

Instrument :

MSVOA_V

ClientSampleId :

A51A4

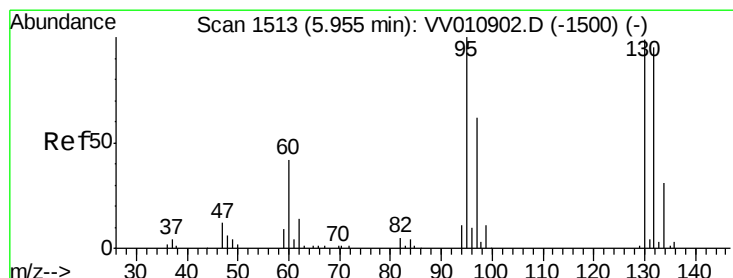
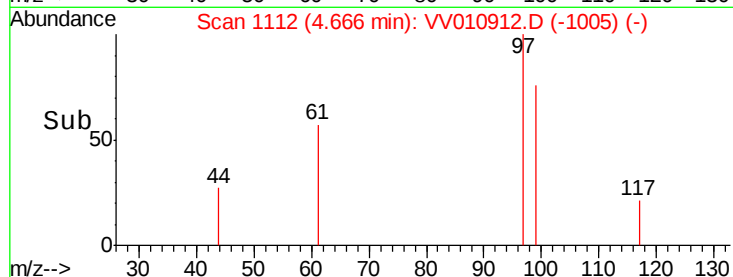
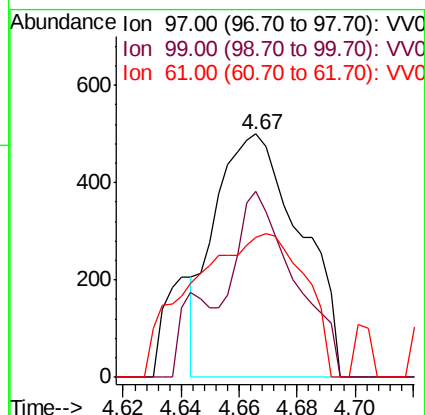
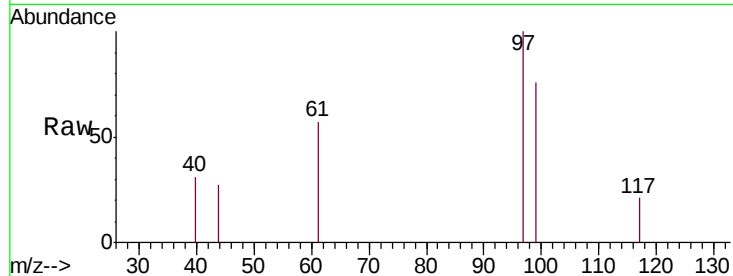
Tgt Ion: 97 Resp: 1025

Ion Ratio Lower Upper

97 100

99 52.9 49.4 74.2

61 4.0 34.6 51.8#



#35

Trichloroethene

Concen: 4247.788 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010912.D

Acq: 15 May 2019 23:39

Tgt Ion: 95 Resp: 230491

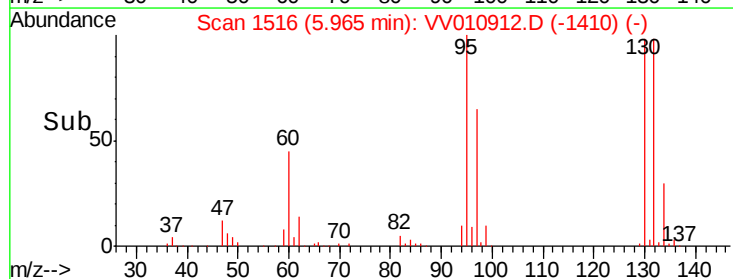
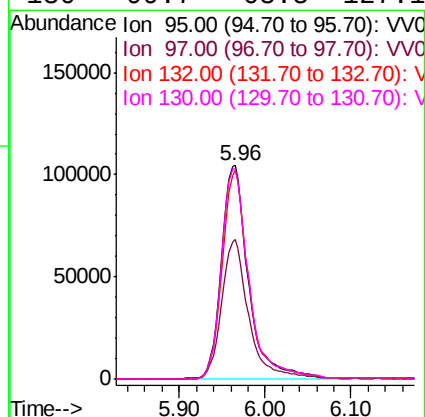
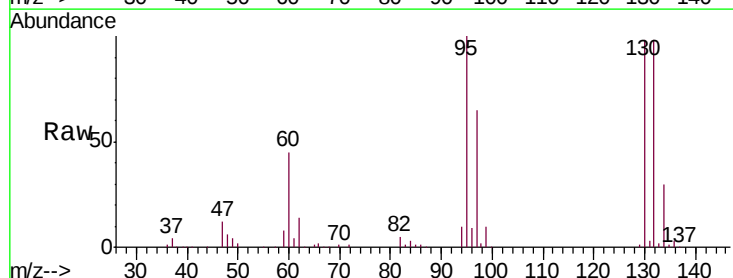
Ion Ratio Lower Upper

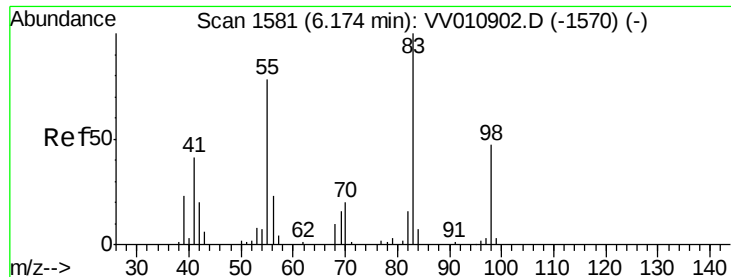
95 100

97 65.3 46.0 85.4

132 96.2 67.4 125.2

130 99.7 68.5 127.1

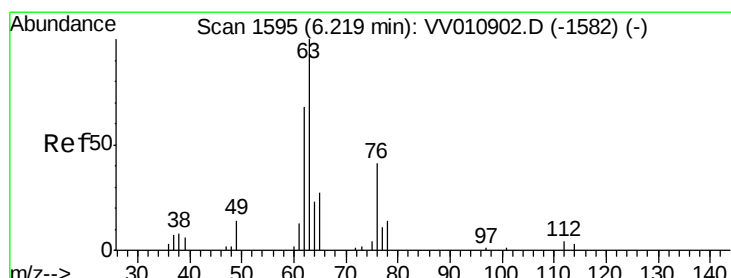
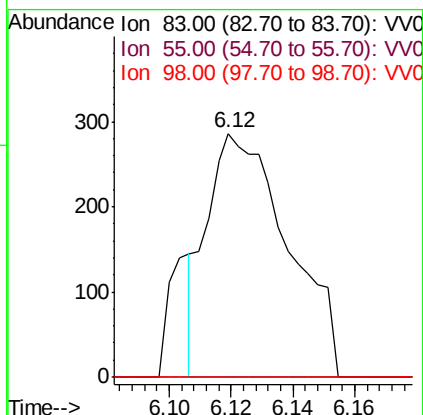
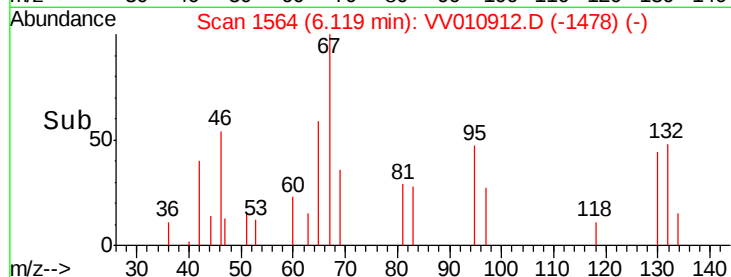
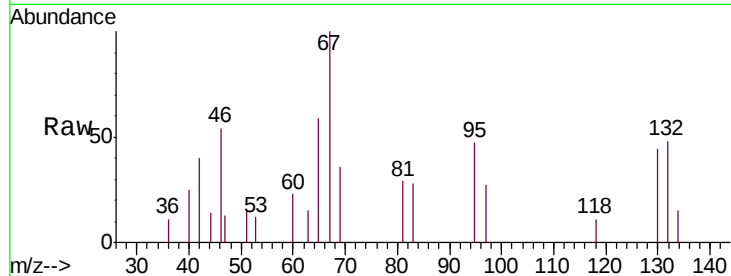




#36
Methylcyclohexane
Concen: 6.873 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV010912.D
Acq: 15 May 2019 23:39

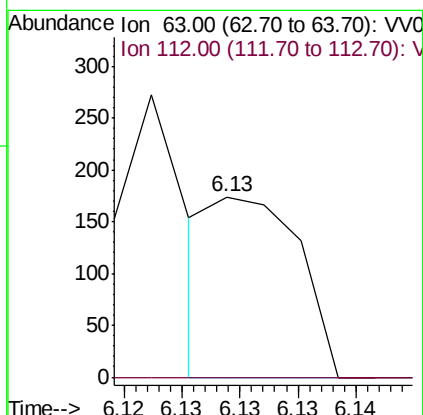
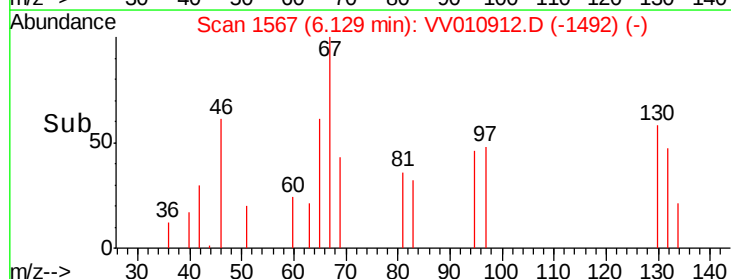
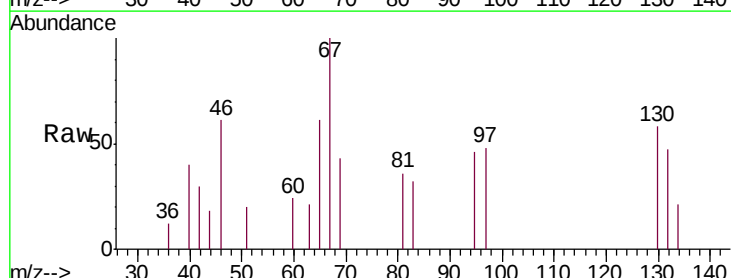
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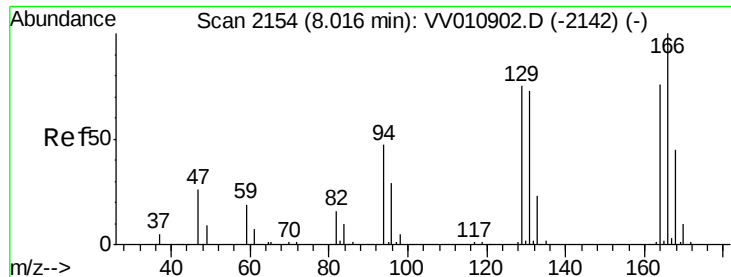
Tgt Ion: 83 Resp: 519
Ion Ratio Lower Upper
83 100
55 295.6 61.0 91.4#
98 30.4 37.2 55.8#



#40
1,2-Dichloropropane
Concen: 1.596 ug/L
RT: 6.13 min Scan# 1567
Delta R.T. -0.09 min
Lab File: VV010912.D
Acq: 15 May 2019 23:39

Tgt Ion: 63 Resp: 91
Ion Ratio Lower Upper
63 100
112 113.2 3.2 4.8#





#47

Tetrachloroethene

Concen: 62.278 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV010912.D

Acq: 15 May 2019 23:39

Instrument :

MSVOA_V

ClientSampleId :

A51A4

Tgt Ion:164 Resp: 2497

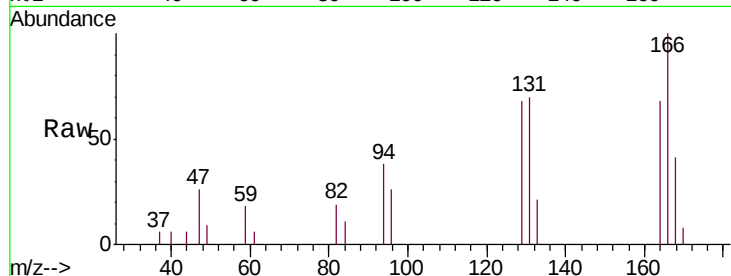
Ion Ratio Lower Upper

164 100

129 99.7 67.6 125.6

131 101.8 65.1 120.9

166 146.1 84.8 157.6

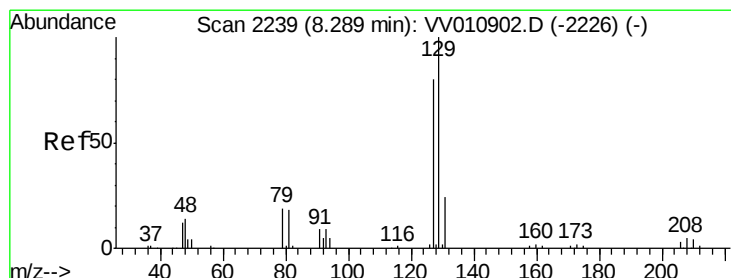
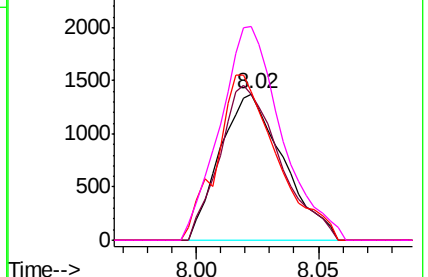
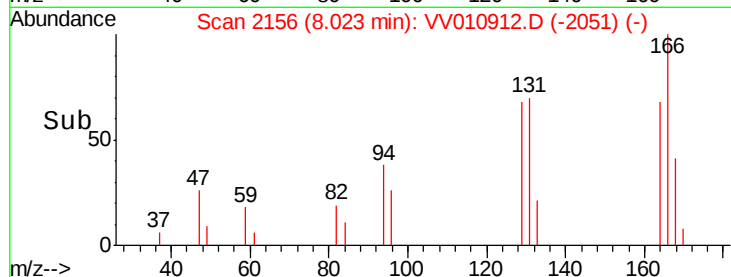


Abundance Ion 164.00 (163.70 to 164.70): V

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: 49.117 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010912.D

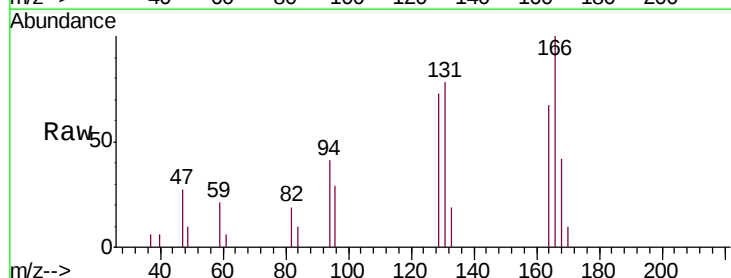
Acq: 15 May 2019 23:39

Tgt Ion:129 Resp: 2509

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

