

Data File : VV010911.D
Acq On : 15 May 2019 23:11
Operator : SY/MD
Sample : K2737-21RE
Misc : 4.70G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB869RE

Quant Time: May 16 08:13:56 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	69941	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	56886	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	14721	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20232	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.84%
7) Chloroethane-d5	1.57	69	14996	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.28%
10) 1,1-Dichloroethene-d2	2.12	63	29411	17.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.76%
20) 2-Butanone-d5	3.94	46	11248	40.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.24%
24) Chloroform-d	4.40	84	43372	21.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.92%
26) 1,2-Dichloroethane-d4	5.08	65	26418	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	5.10	84	87334	27.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.96%
33) 1,2-Dichloropropane-d6	6.12	67	29412	29.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.12%
37) Toluene-d8	7.36	98	64959	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.88%
38) trans-1,3-Dichloropropene-	7.67	79	8847	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.76%
39) 2-Hexanone-d5	8.13	63	7297	38.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.66%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	21903	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	13638	22.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.72%

Target Compounds

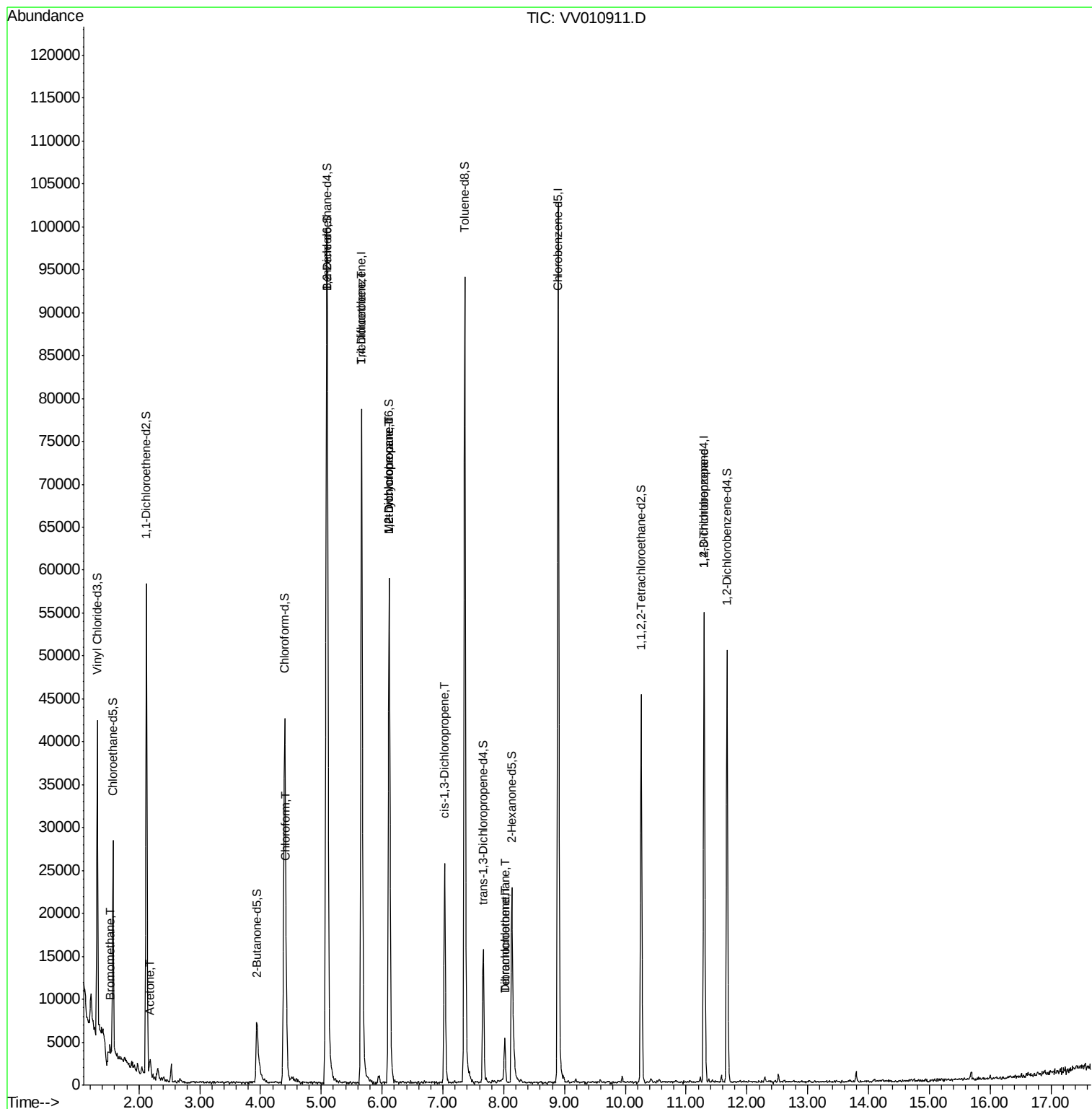
					Qvalue
6) Bromomethane	1.53	94	204	0.878 ug/L	80
13) Acetone	2.19	43	1365	4.780 ug/L	86
25) Chloroform	4.43	83	2912	1.444 ug/L	97
35) Trichloroethene	5.66	95	2045	2.380 ug/L #	5
36) Methylcyclohexane	6.12	83	6592	5.512 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	3180	3.521 ug/L #	88
42) cis-1,3-Dichloropropene	7.03	75	693	0.526 ug/L #	57
47) Tetrachloroethene	8.02	164	1163	1.832 ug/L #	78
50) Dibromochloromethane	8.02	129	1386	1.713 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	1715	2.464 ug/L #	72

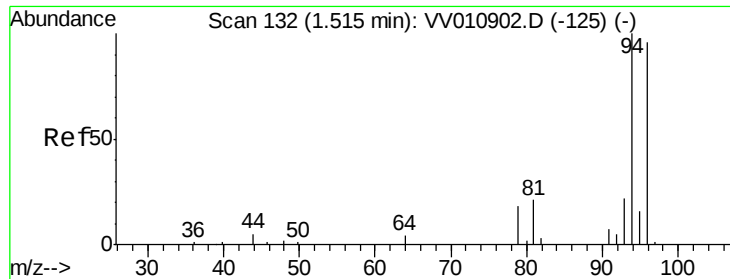
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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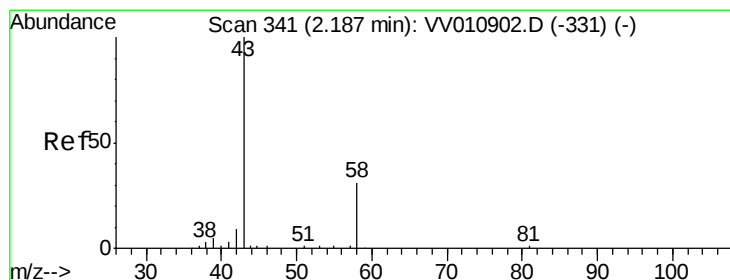
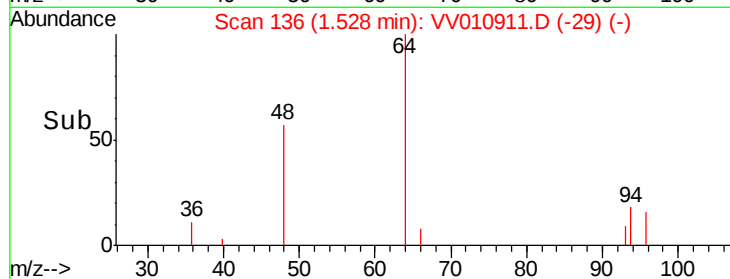
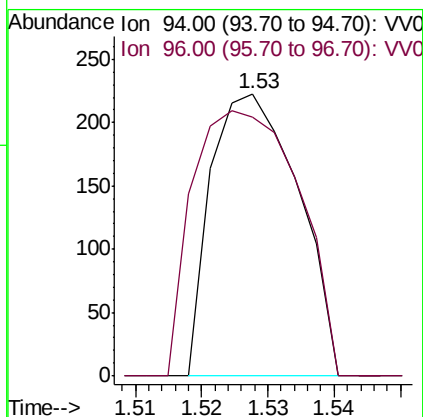
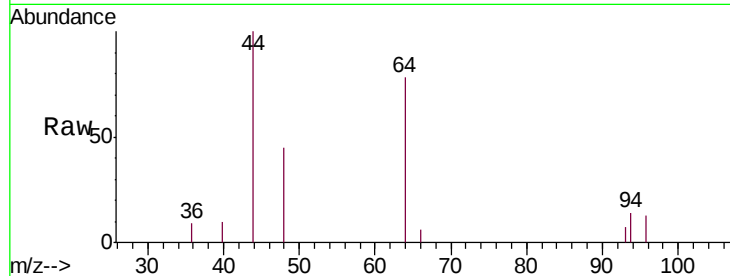




#6
Bromomethane
Concen: 0.878 ug/L
RT: 1.53 min Scan# 136
Delta R.T. 0.01 min
Lab File: VV010911.D
Acq: 15 May 2019 23:11

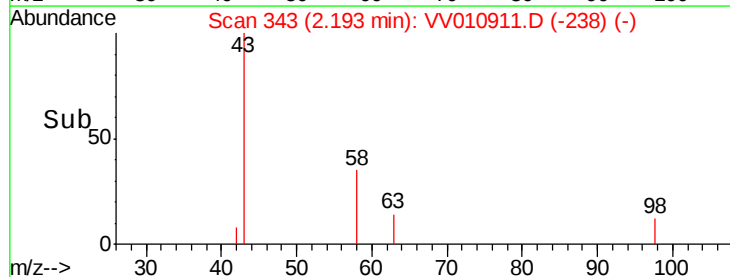
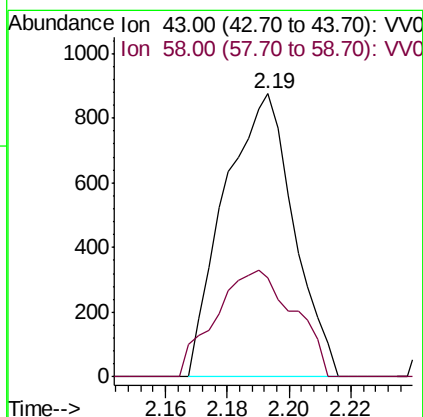
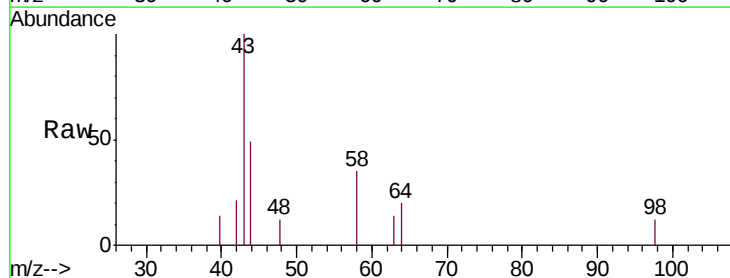
Instrument :
MSVOA_V
ClientSampleId :
DB869RE

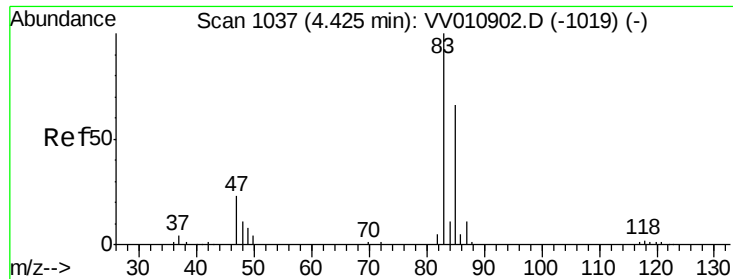
Tgt Ion: 94 Resp: 204
Ion Ratio Lower Upper
94 100
96 114.7 9.6 181.6



#13
Acetone
Concen: 4.780 ug/L
RT: 2.19 min Scan# 343
Delta R.T. 0.01 min
Lab File: VV010911.D
Acq: 15 May 2019 23:11

Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
58 42.7 0.0 69.2





#25

Chloroform

Concen: 1.444 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010911.D

Acq: 15 May 2019 23:11

Instrument :

MSVOA_V

ClientSampled :

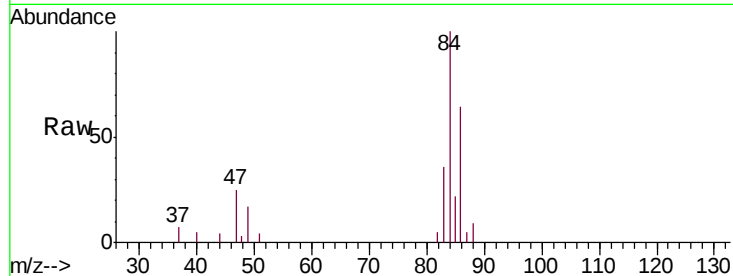
DB869RE

Tgt Ion: 83 Resp: 2912

Ion Ratio Lower Upper

83 100

85 62.4 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VV010902.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV010902.D (-1019) (-)

4.43

1500

1000

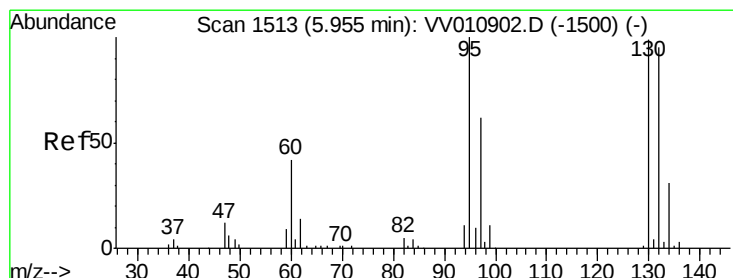
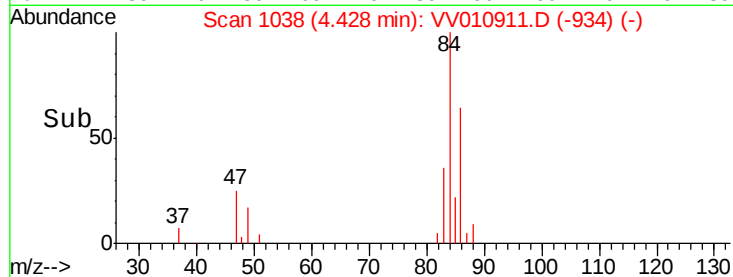
500

0

4.40

4.45

Time-->



#35

Trichloroethene

Concen: 2.380 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.29 min

Lab File: VV010911.D

Acq: 15 May 2019 23:11

Tgt Ion: 95 Resp: 2045

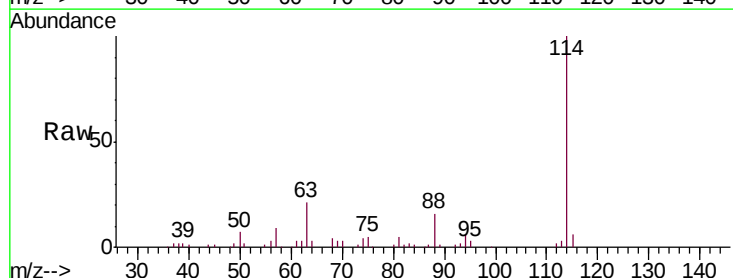
Ion Ratio Lower Upper

95 100

97 0.0 46.0 85.4#

132 0.0 67.4 125.2#

130 0.0 68.5 127.1#



Abundance Ion 95.00 (94.70 to 95.70): VV010902.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV010902.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV010902.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV010902.D (-1500) (-)

1500

1000

500

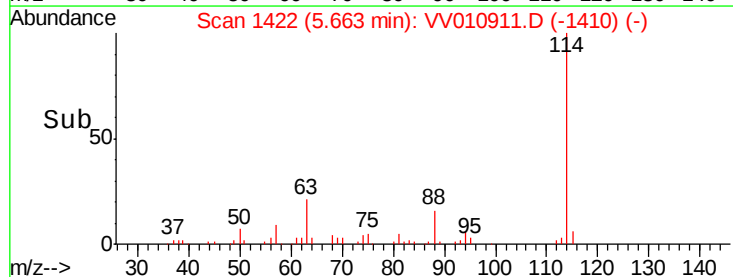
0

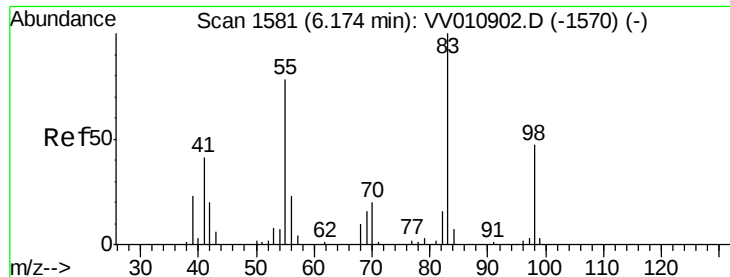
5.60

5.65

5.70

Time-->

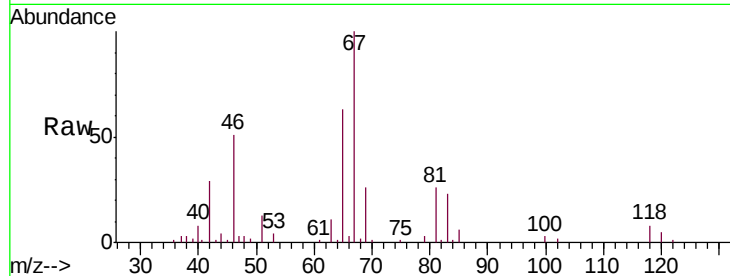




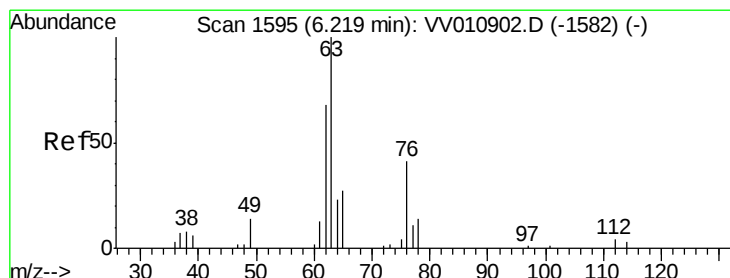
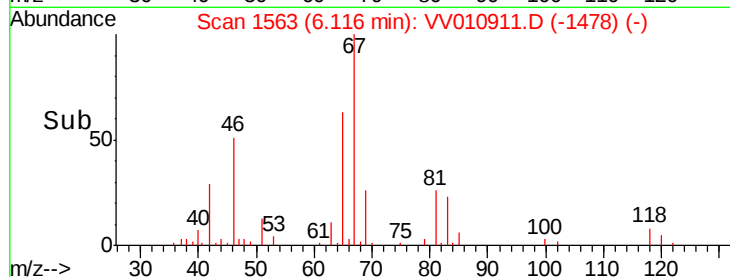
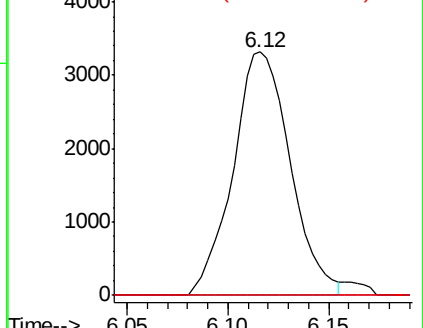
#36
Methylcyclohexane
Concen: 5.512 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010911.D
Acq: 15 May 2019 23:11

Instrument :
MSVOA_V
ClientSampleId :
DB869RE

Tgt Ion: 83 Resp: 6592
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 2.2 37.2 55.8#

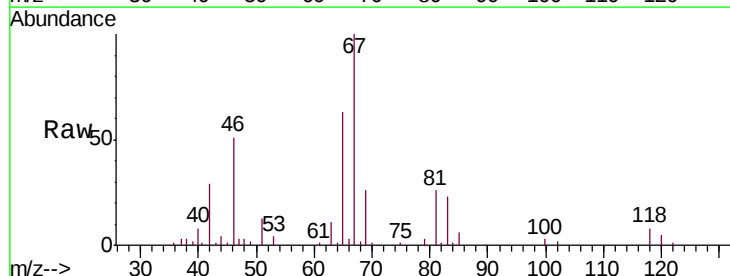


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

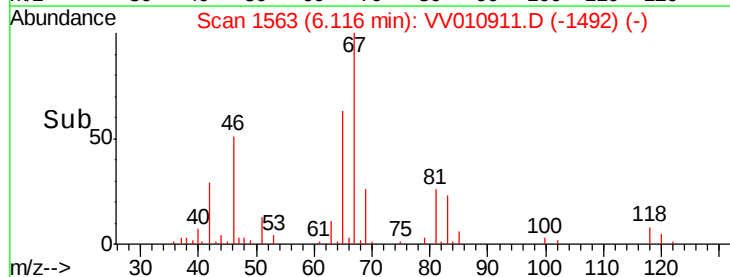
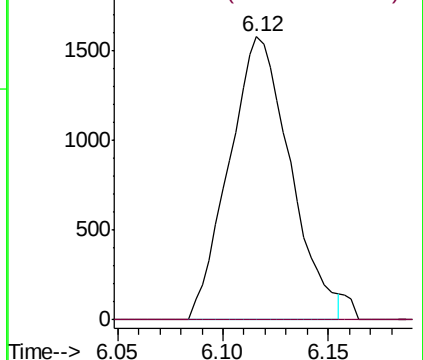


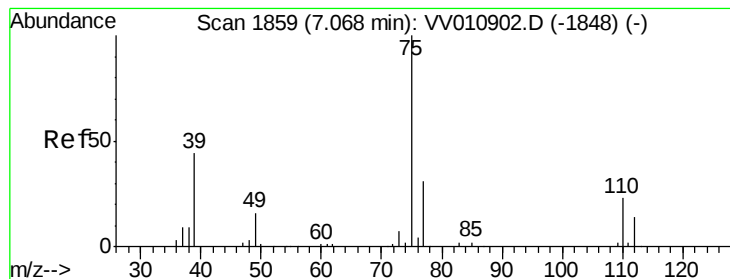
#40
1,2-Dichloropropane
Concen: 3.521 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV010911.D
Acq: 15 May 2019 23:11

Tgt Ion: 63 Resp: 3180
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V



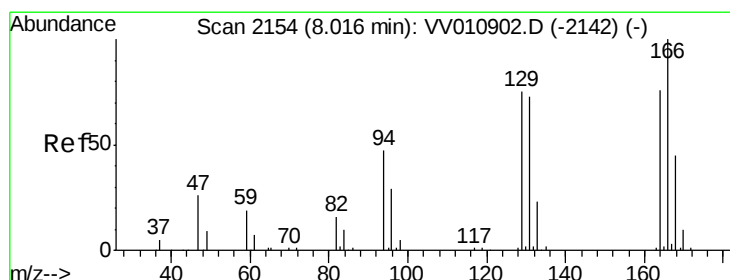
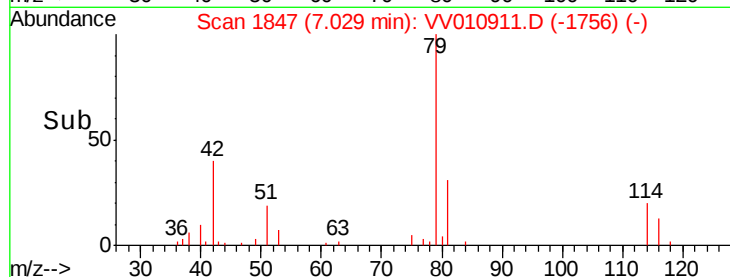
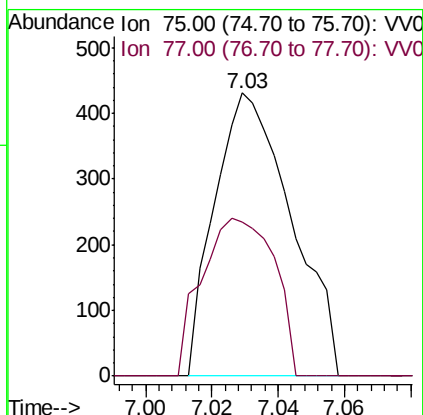
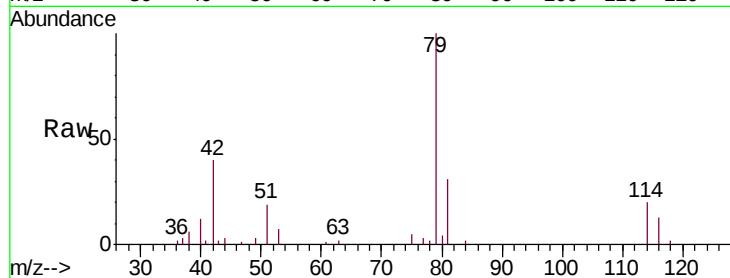


#42

cis-1,3-Dichloropropene
 Concen: 0.526 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010911.D
 Acq: 15 May 2019 23:11

Instrument :
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 ClientSampleId :
 DB869RE

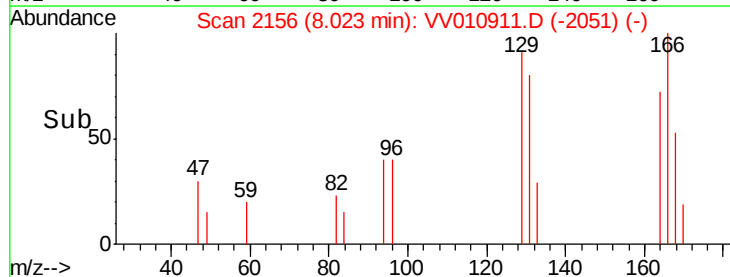
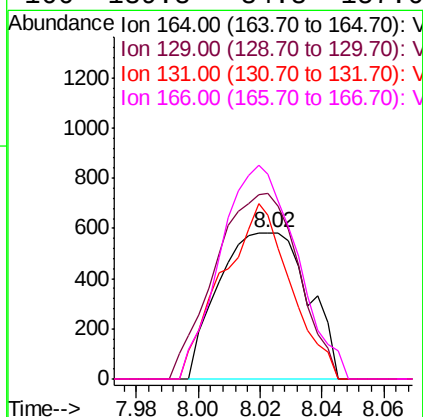
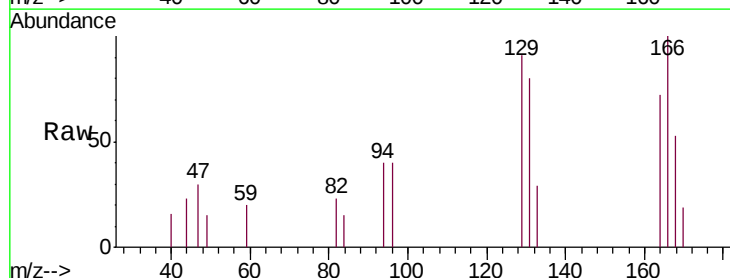
Tgt Ion: 75 Resp: 693
 Ion Ratio Lower Upper
 75 100
 77 54.3 21.5 39.9#

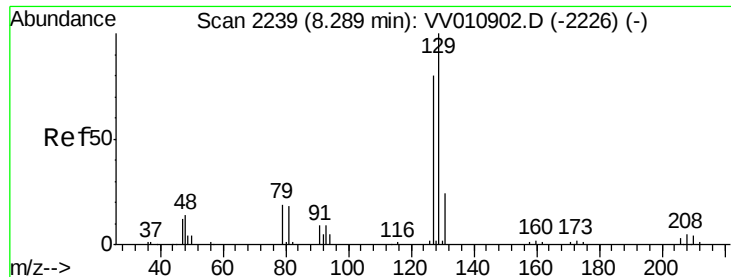


#47

Tetrachloroethene
 Concen: 1.832 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.01 min
 Lab File: VV010911.D
 Acq: 15 May 2019 23:11

Tgt Ion: 164 Resp: 1163
 Ion Ratio Lower Upper
 164 100
 129 126.8 67.6 125.6#
 131 111.8 65.1 120.9
 166 139.8 84.8 157.6





#50

Dibromochloromethane

Concen: 1.713 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV010911.D

Acq: 15 May 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

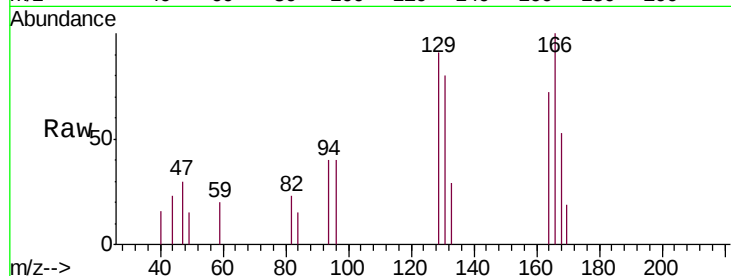
DB869RE

Tgt Ion:129 Resp: 1386

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

8.02

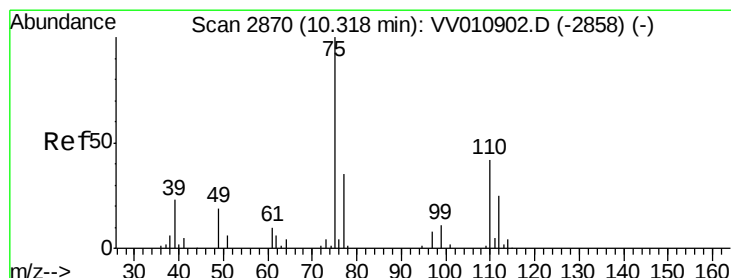
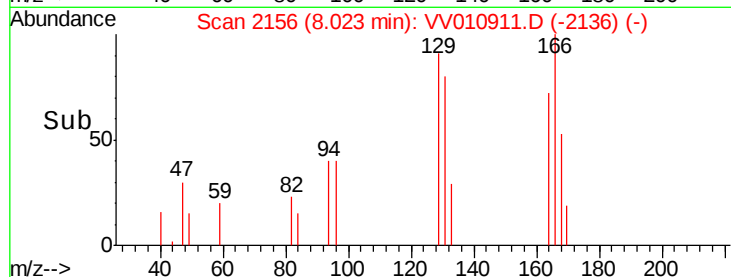
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 2.464 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010911.D

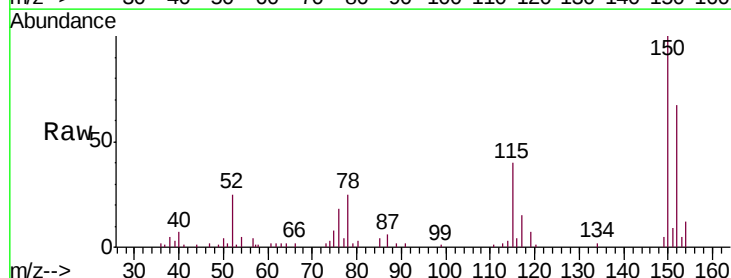
Acq: 15 May 2019 23:11

Tgt Ion: 75 Resp: 1715

Ion Ratio Lower Upper

75 100

77 48.7 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.30

1000

800

600

400

200

0

Time-->

