

Data File : VV008910.D
Acq On : 13 Dec 2018 15:49
Operator : SY/MD
Sample : VV1213WBL01
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK65

Quant Time: Dec 14 01:13:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 01:09:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	215962	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198103	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81227	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61790	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.98%
7) Chloroethane-d5	1.57	69	45179	56.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.84%
11) 1,1-Dichloroethene-d2	2.13	63	115644	38.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.66%
21) 2-Butanone-d5	3.93	46	87421	103.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.82%
24) Chloroform-d	4.40	84	130588	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.08	65	87268	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
32) Benzene-d6	5.10	84	274132	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.70%
36) 1,2-Dichloropropane-d6	6.12	67	81307	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.36%
41) Toluene-d8	7.36	98	253219	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%
43) trans-1,3-Dichloropropene-	7.66	79	40172	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
47) 2-Hexanone-d5	8.13	63	53164	89.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	98442	47.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.06%
64) 1,2-Dichlorobenzene-d4	11.68	152	85457	51.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.02%

Target Compounds

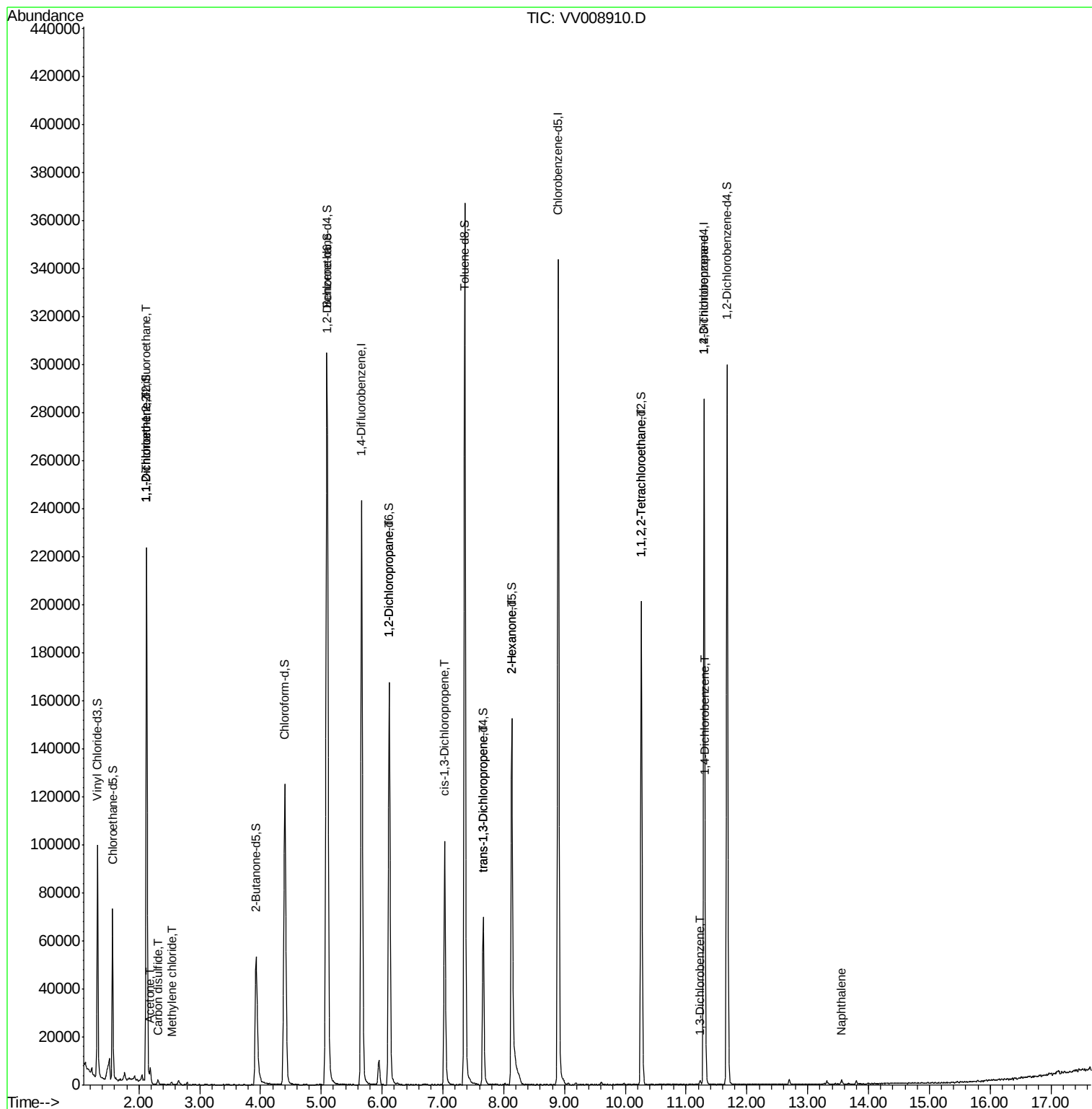
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1325	0.899	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1062	0.792	ug/L #	1
13) Acetone	2.19	43	2596	2.050	ug/L	94
14) Carbon disulfide	2.32	76	2214	0.605	ug/L #	85
16) Methylene chloride	2.54	84	563	0.377	ug/L #	70
37) 1,2-Dichloropropane	6.12	63	9097	6.444	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2539	1.128	ug/L #	76
44) trans-1,3-Dichloropropene	7.67	75	1910	0.910	ug/L	84
48) 2-Hexanone	8.14	43	6410	4.719	ug/L #	77
58) 1,1,2,2-Tetrachloroethane	10.27	83	754	0.359	ug/L #	1
59) 1,2,3-Trichloropropane	11.30	75	8982	5.052	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	1150	0.442	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	1543	0.588	ug/L	83
69) Naphthalene	13.56	128	2062	0.716	ug/L #	82

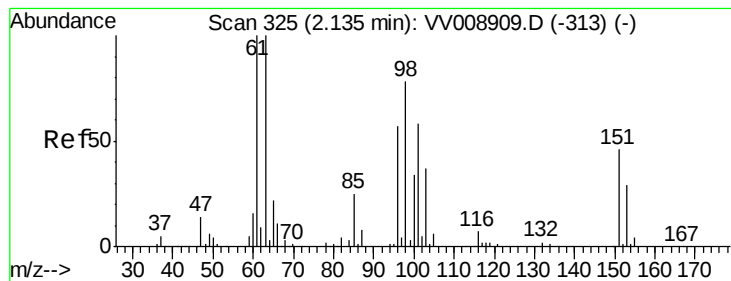
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.899 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008910.D

Acq: 13 Dec 2018 15:49

Instrument :

MSVOA_V

ClientSampleId :

VBLK65

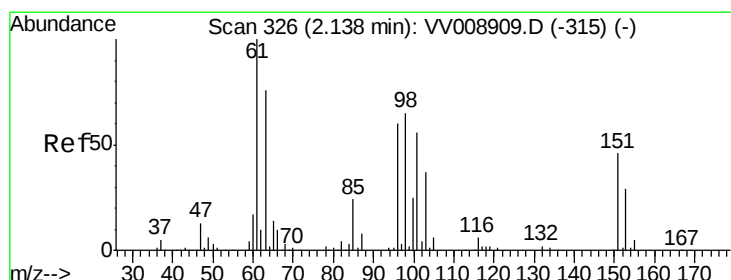
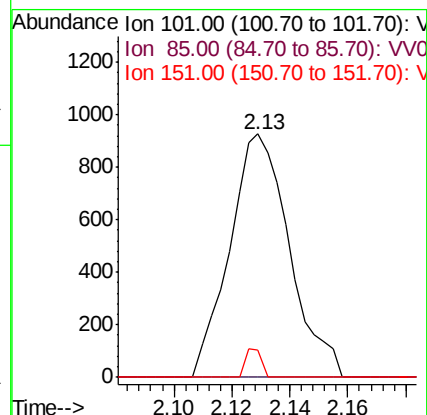
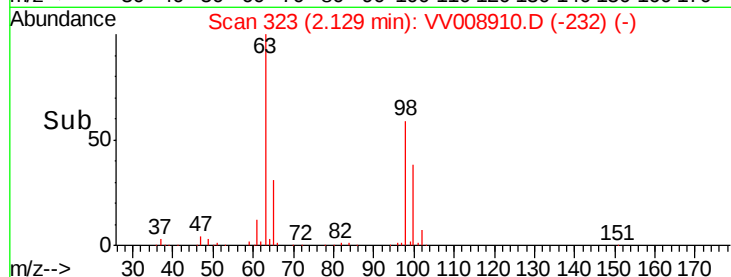
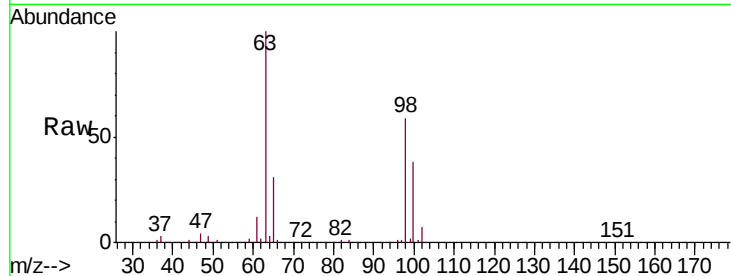
Tgt Ion:101 Resp: 1325

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 3.1 63.8 95.8#



#12

1,1-Dichloroethene

Concen: 0.792 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV008910.D

Acq: 13 Dec 2018 15:49

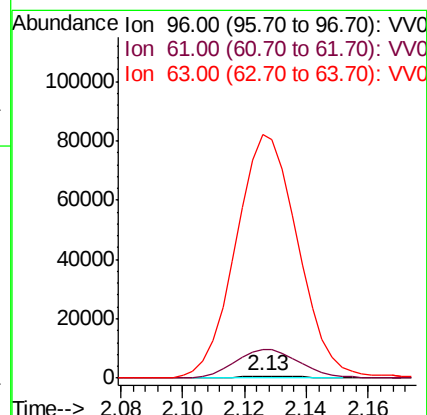
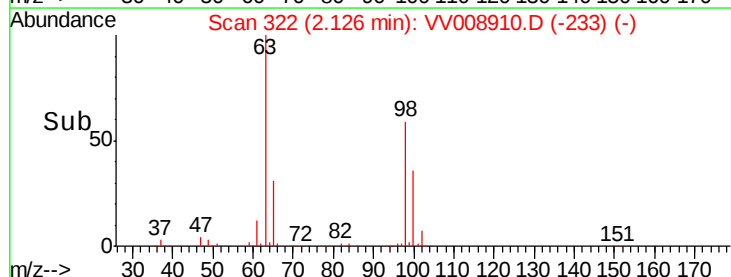
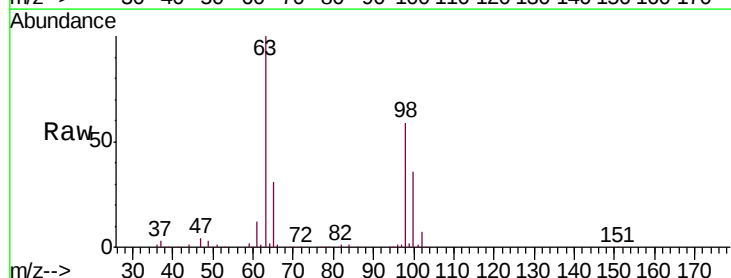
Tgt Ion: 96 Resp: 1062

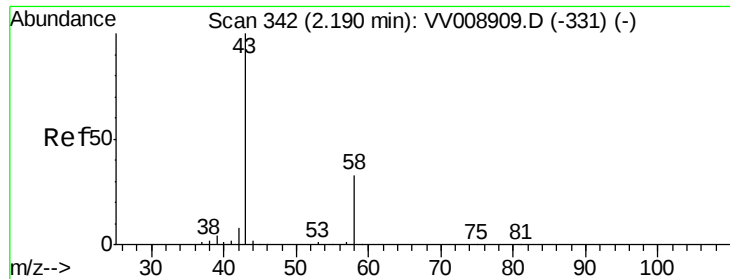
Ion Ratio Lower Upper

96 100

61 1466.7 119.1 221.3#

63 12369.9 96.0 178.2#





#13

Acetone

Concen: 2.050 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV008910.D

Acq: 13 Dec 2018 15:49

Instrument :

MSVOA_V

ClientSampleId :

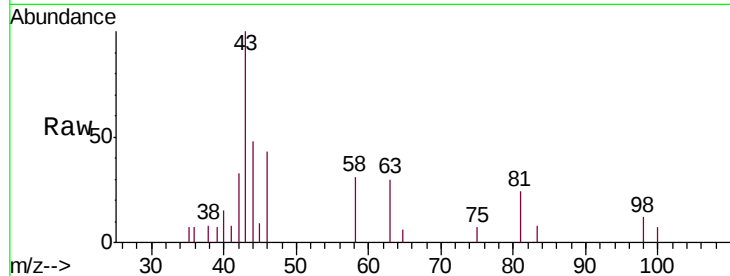
VBLK65

Tgt Ion: 43 Resp: 2596

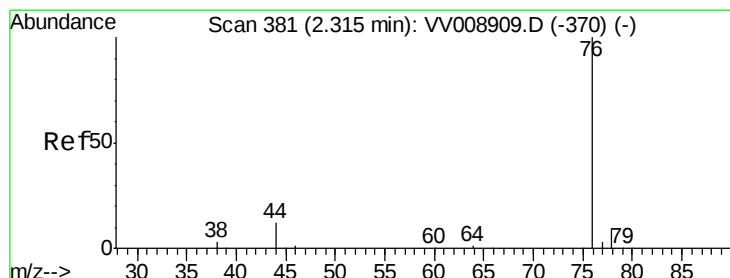
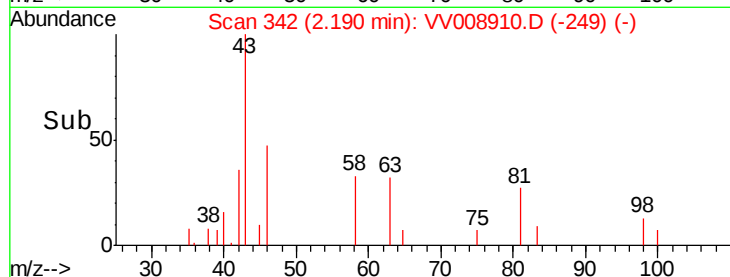
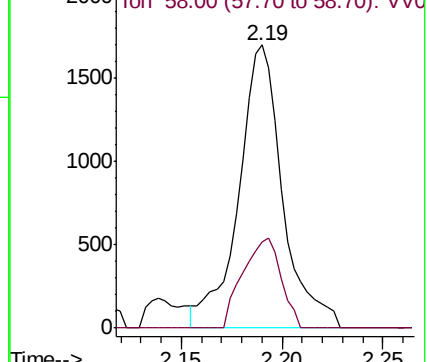
Ion Ratio Lower Upper

43 100

58 27.6 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV008910.D (-249) (-)



#14

Carbon disulfide

Concen: 0.605 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008910.D

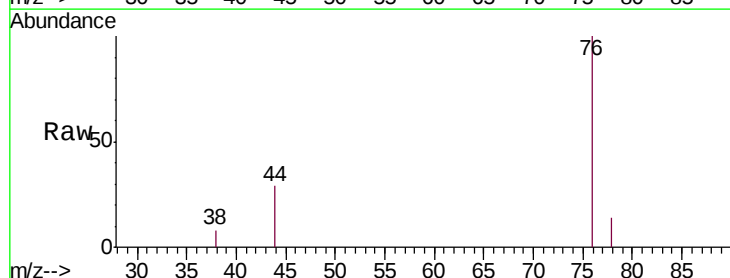
Acq: 13 Dec 2018 15:49

Tgt Ion: 76 Resp: 2214

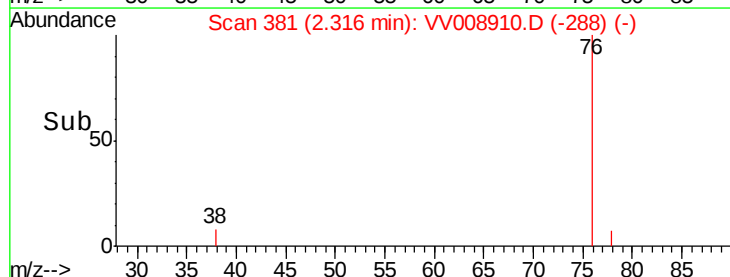
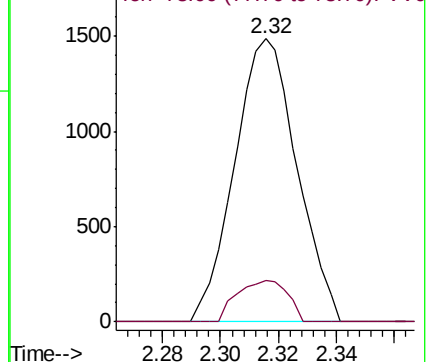
Ion Ratio Lower Upper

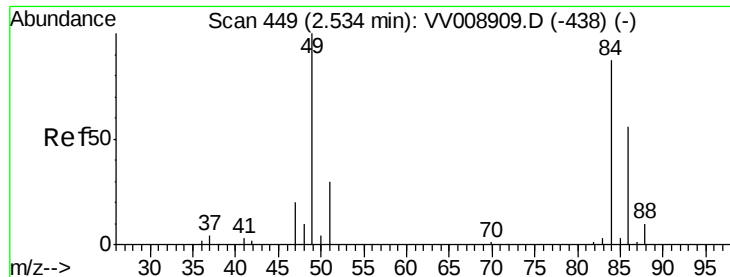
76 100

78 14.4 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VV008910.D (-288) (-)

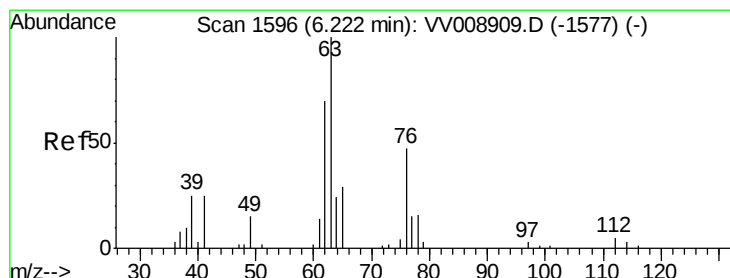
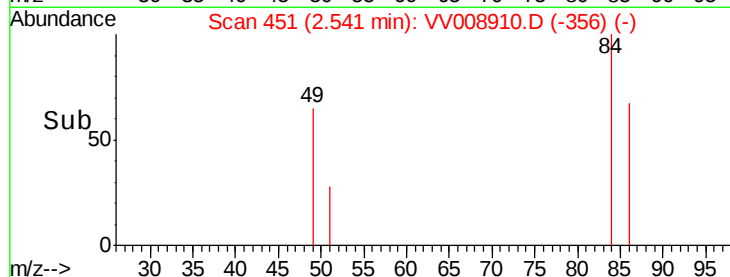
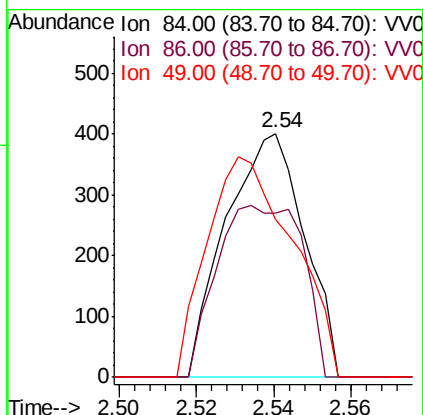
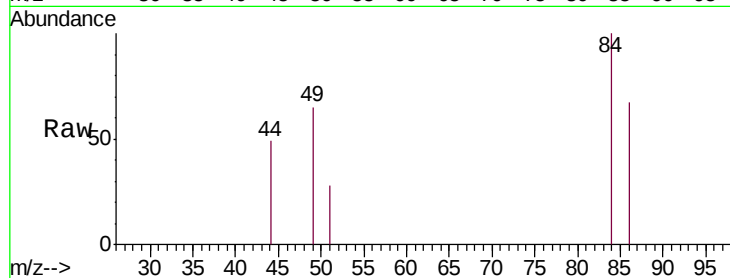




#16
Methylene chloride
Concen: 0.377 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV008910.D
Acq: 13 Dec 2018 15:49

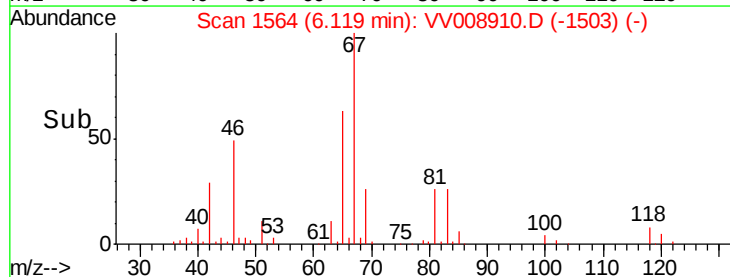
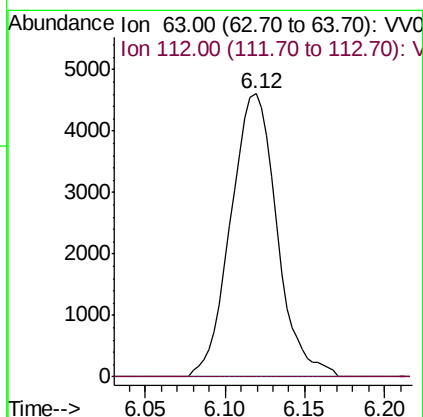
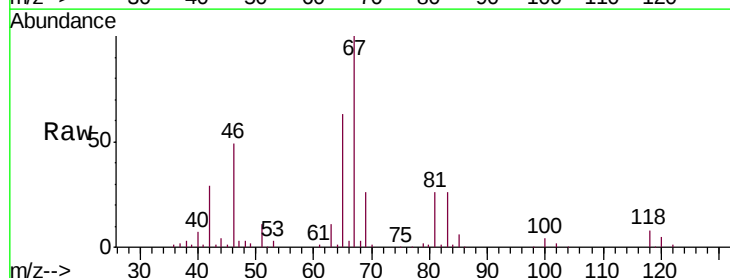
Instrument :
MSVOA_V
ClientSampleId :
VBLK65

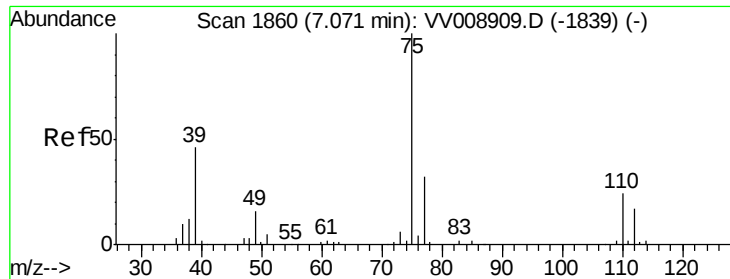
Tgt Ion: 84 Resp: 563
Ion Ratio Lower Upper
84 100
86 67.3 44.2 82.0
49 64.6 77.4 143.8#



#37
1,2-Dichloropropane
Concen: 6.444 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV008910.D
Acq: 13 Dec 2018 15:49

Tgt Ion: 63 Resp: 9097
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

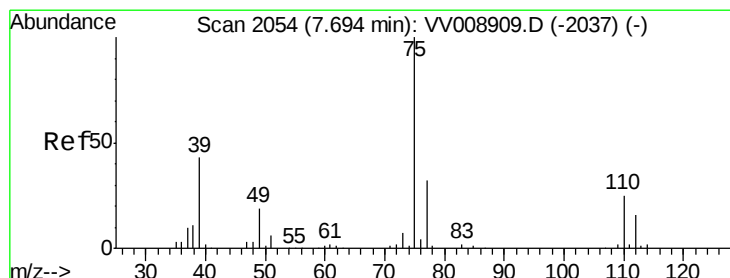
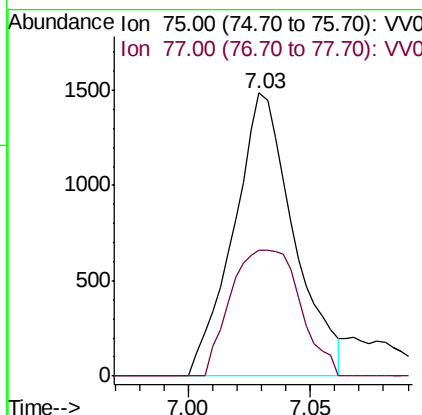
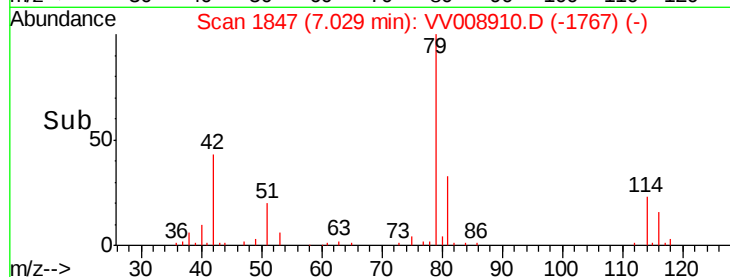
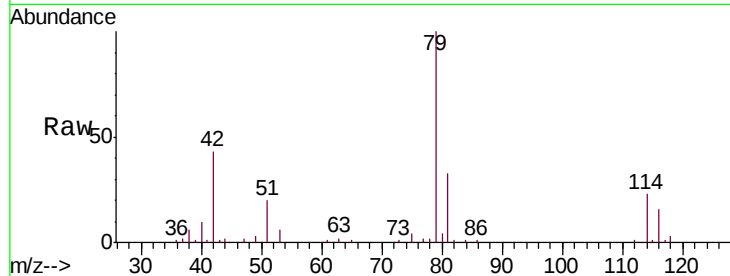




#39
 cis-1,3-Dichloropropene
 Concen: 1.128 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV008910.D
 Acq: 13 Dec 2018 15:49

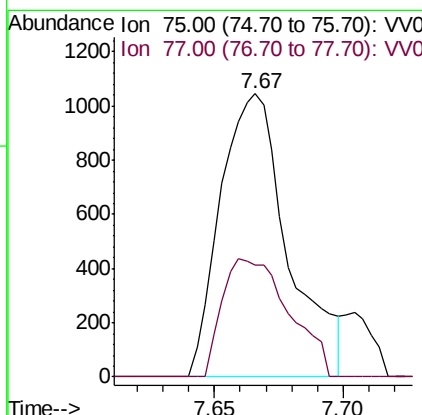
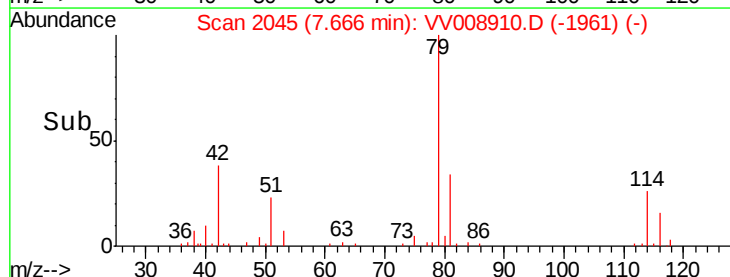
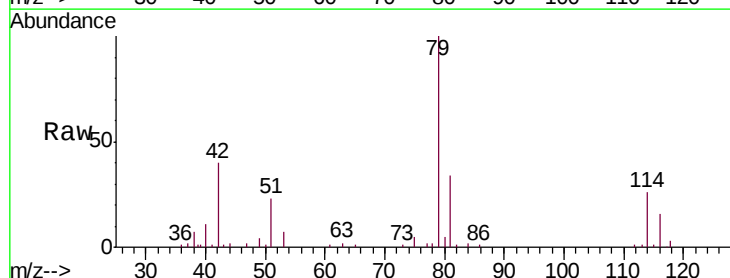
Instrument :
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 ClientSampleId :
 VBLK65

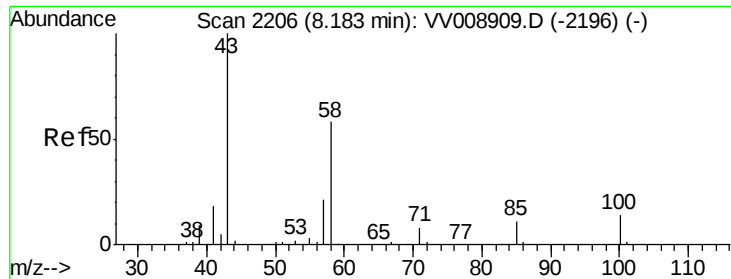
Tgt Ion: 75 Resp: 2539
 Ion Ratio Lower Upper
 75 100
 77 44.4 21.8 40.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.910 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV008910.D
 Acq: 13 Dec 2018 15:49

Tgt Ion: 75 Resp: 1910
 Ion Ratio Lower Upper
 75 100
 77 39.7 21.6 40.2

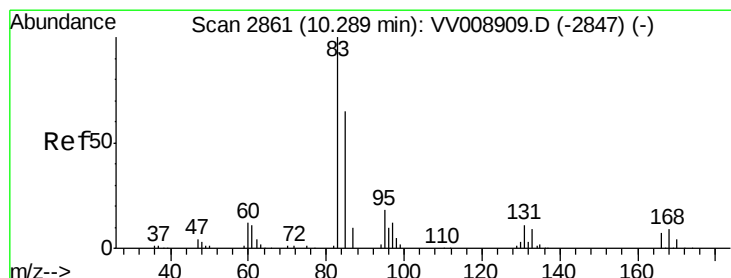
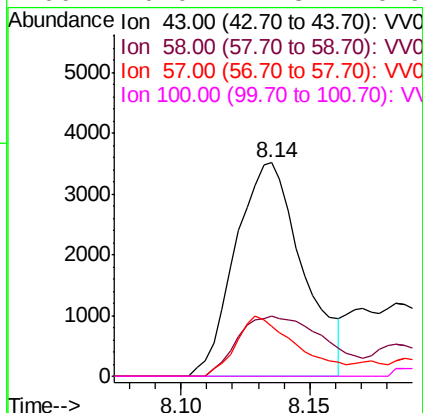
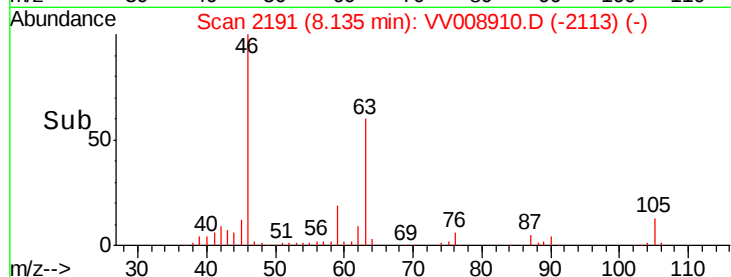
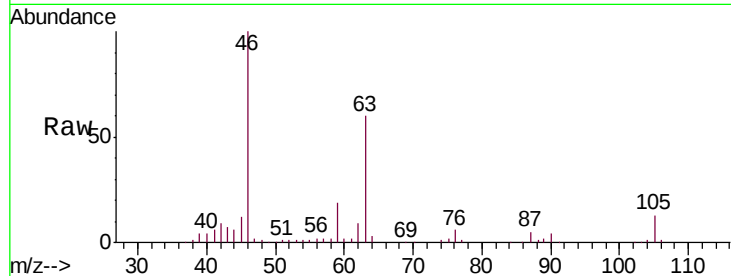




#48
2-Hexanone
Concen: 4.719 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV008910.D
Acq: 13 Dec 2018 15:49

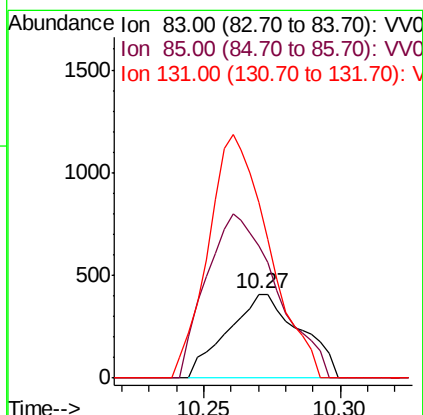
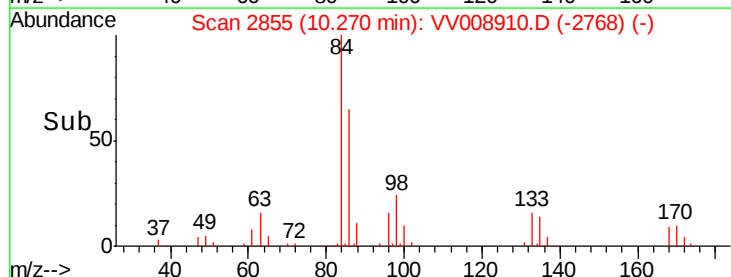
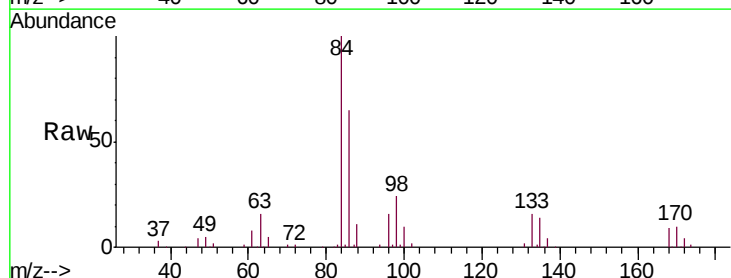
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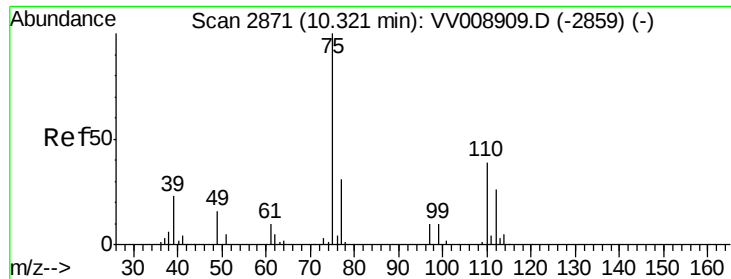
Tgt Ion: 43 Resp: 6410
Ion Ratio Lower Upper
43 100
58 36.6 42.7 64.1#
57 25.6 15.7 23.5#
100 0.0 11.3 16.9#



#58
1,1,2,2-Tetrachloroethane
Concen: 0.359 ug/L
RT: 10.27 min Scan# 2855
Delta R.T. -0.02 min
Lab File: VV008910.D
Acq: 13 Dec 2018 15:49

Tgt Ion: 83 Resp: 754
Ion Ratio Lower Upper
83 100
85 158.7 45.3 84.1#
131 209.8 9.2 13.8#

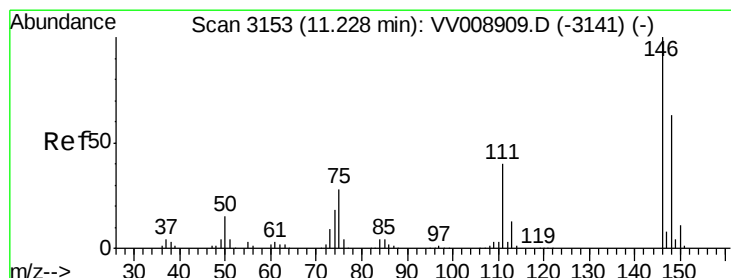
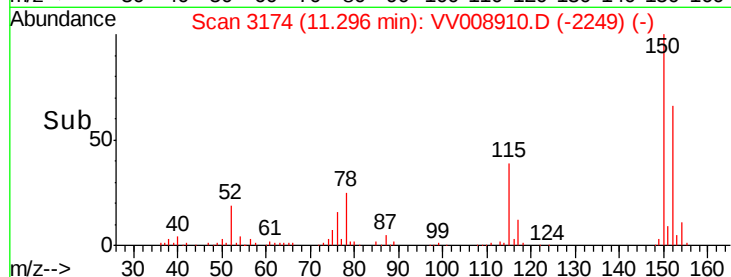
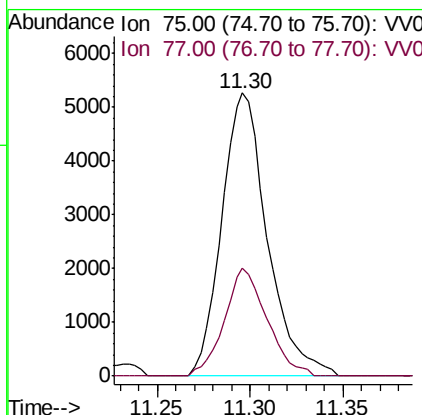
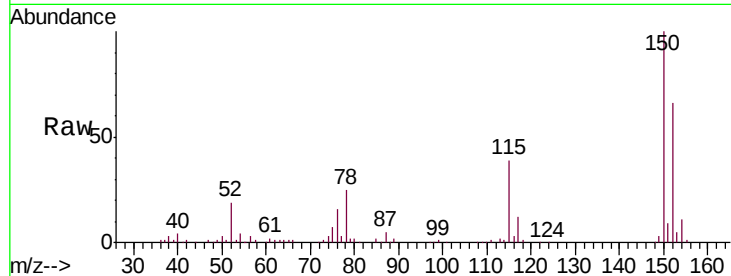




#59
 1,2,3-Trichloropropane
 Concen: 5.052 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV008910.D
 Acq: 13 Dec 2018 15:49

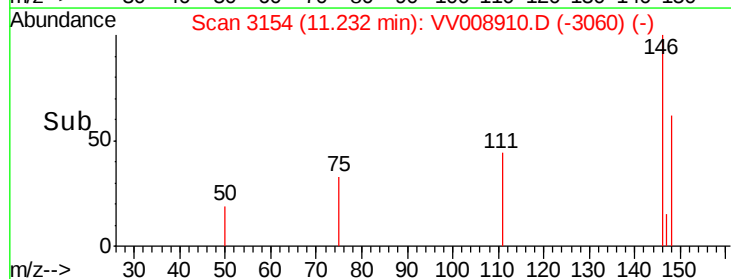
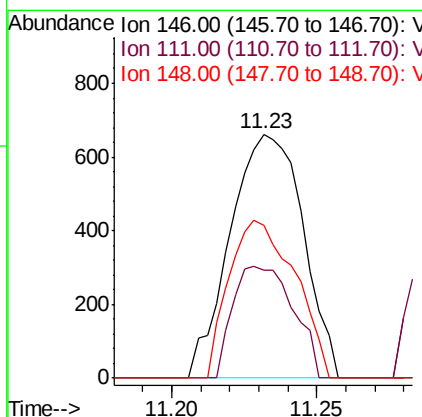
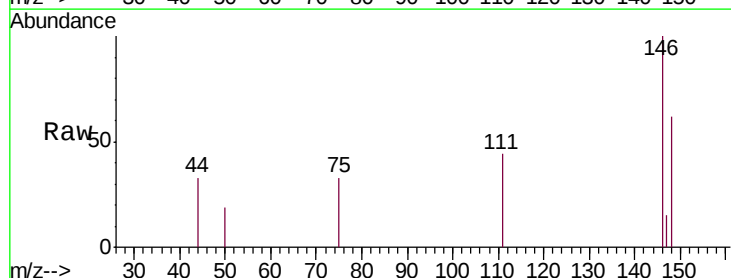
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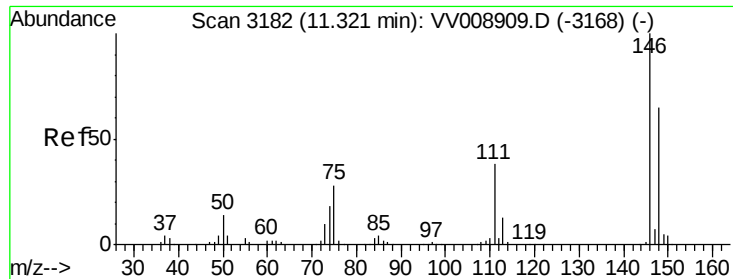
Tgt Ion: 75 Resp: 8982
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.8 38.8



#62
 1,3-Dichlorobenzene
 Concen: 0.442 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008910.D
 Acq: 13 Dec 2018 15:49

Tgt Ion: 146 Resp: 1150
 Ion Ratio Lower Upper
 146 100
 111 44.5 28.3 52.7
 148 62.5 44.9 83.5





#63

1,4-Dichlorobenzene

Concen: 0.588 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008910.D

Acq: 13 Dec 2018 15:49

Instrument :

MSVOA_V

ClientSampleId :

VBLK65

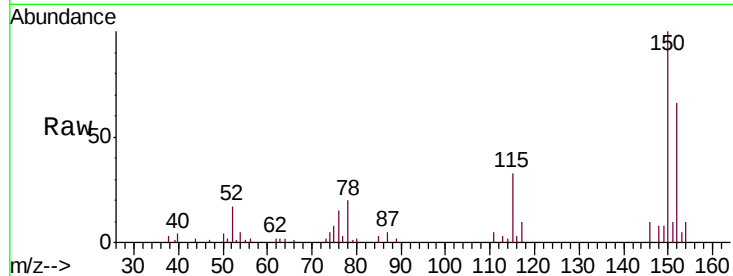
Tgt Ion:146 Resp: 1543

Ion Ratio Lower Upper

146 100

111 48.0 27.9 51.9

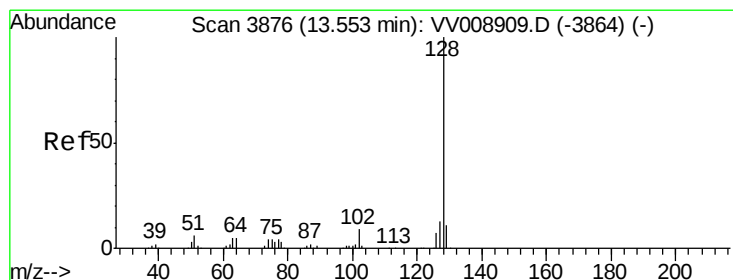
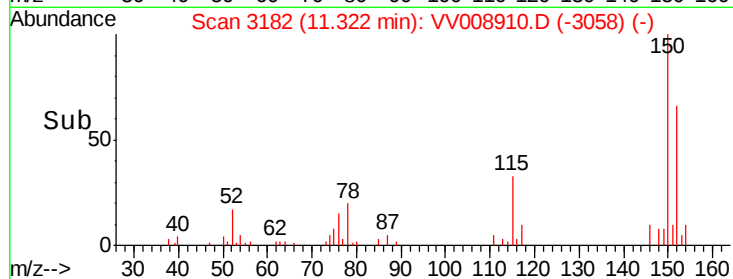
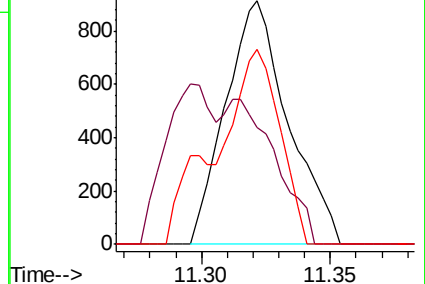
148 80.3 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.716 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008910.D

Acq: 13 Dec 2018 15:49

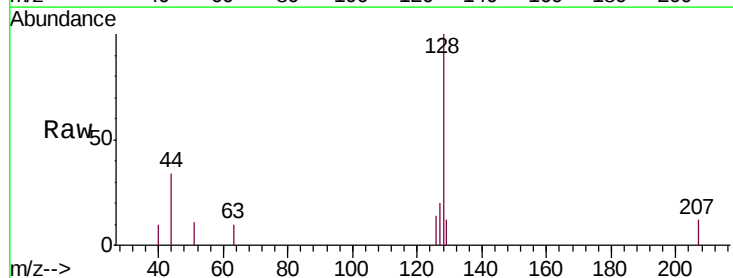
Tgt Ion:128 Resp: 2062

Ion Ratio Lower Upper

128 100

127 9.0 10.4 15.6#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

