

Data File : VV009699.D

Acq On : 15 Mar 2019 20:44

Operator : SY/MD

Sample : K1939-16

Misc : 5.44g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH

ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFOX9

Quant Time: Mar 16 02:37:55 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Mar 16 02:32:06 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	169435	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	170120	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	79860	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37402	37.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.60%
7) Chloroethane-d5	1.55	69	21911	20.99	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	41.98%#
11) 1,1-Dichloroethene-d2	2.09	63	88629	33.50	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.00%
21) 2-Butanone-d5	3.95	46	72901	98.37	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.37%
24) Chloroform-d	4.40	84	95032	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
26) 1,2-Dichloroethane-d4	5.08	65	66315	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.50%
32) Benzene-d6	5.09	84	194316	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
36) 1,2-Dichloropropane-d6	6.12	67	60365	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.28%
41) Toluene-d8	7.36	98	184748	42.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.74%
43) trans-1,3-Dichloropropene-	7.67	79	27202	39.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.64%
47) 2-Hexanone-d5	8.14	63	59527	102.89	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.89%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	98274	46.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.50%
64) 1,2-Dichlorobenzene-d4	11.68	152	76740	45.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.10%

Target Compounds

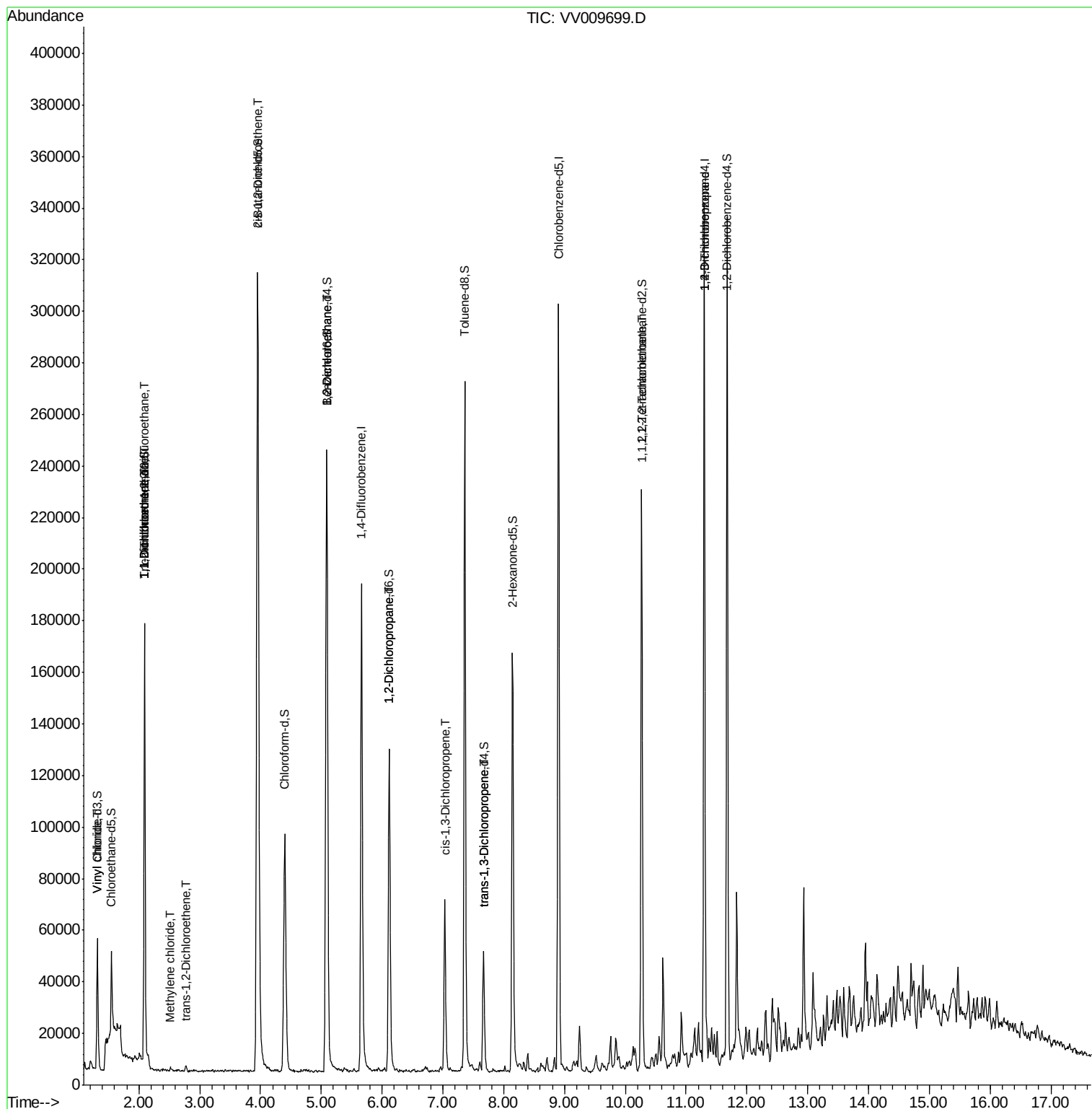
						Qvalue
5) Vinyl chloride	1.32	62	2621	2.402	ug/L #	56
9) Trichlorofluoromethane	2.09	101	922	0.399	ug/L #	27
10) 1,1,2-Trichloro-1,2,2-trif	2.09	101	922	0.719	ug/L #	19
12) 1,1-Dichloroethene	2.09	96	1277	1.164	ug/L #	1
16) Methylene chloride	2.52	84	550	0.515	ug/L	77
17) trans-1,2-Dichloroethene	2.77	96	309	0.309	ug/L	88
20) cis-1,2-Dichloroethene	3.96	96	157836	135.575	ug/L	96
27) 1,2-Dichloroethane	5.09	62	1139	0.701	ug/L #	78
37) 1,2-Dichloropropane	6.12	63	6800	6.249	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	2203	1.270	ug/L	92
44) trans-1,3-Dichloropropene	7.67	75	1667	1.024	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	1665	0.839	ug/L #	64
59) 1,2,3-Trichloropropane	11.30	75	11189	7.583	ug/L	91

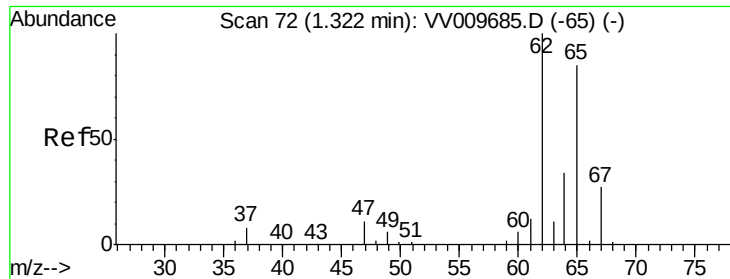
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 16 02:32:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.402 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009699.D

Acq: 15 Mar 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

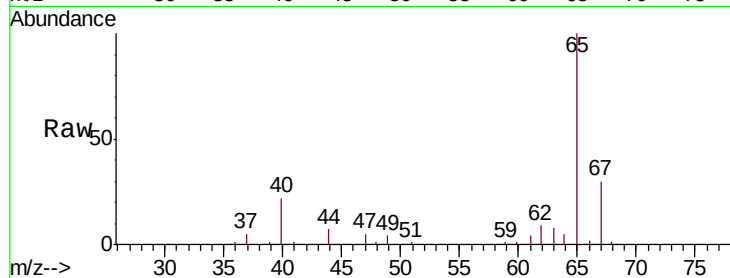
BF0X9

Tgt Ion: 62 Resp: 2621

Ion Ratio Lower Upper

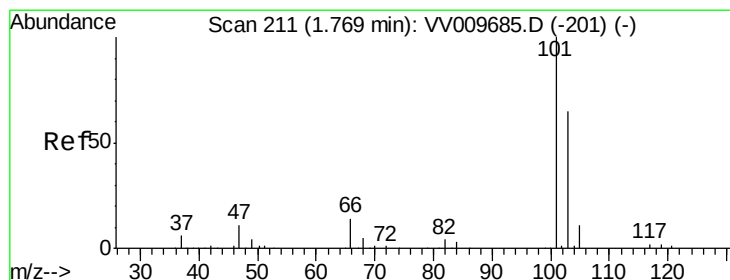
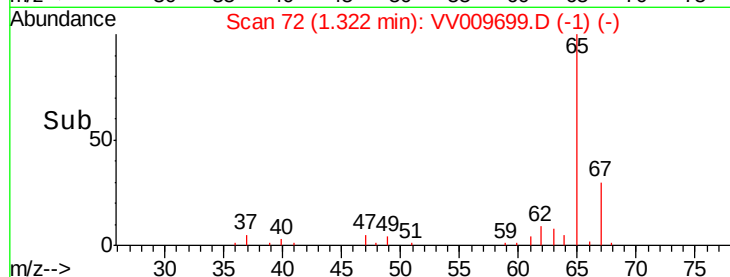
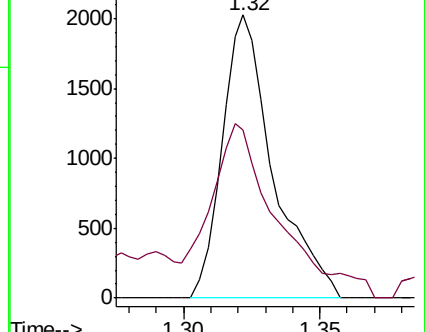
62 100

64 59.3 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VV009685.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009685.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 0.399 ug/L

RT: 2.09 min Scan# 311

Delta R.T. 0.32 min

Lab File: VV009699.D

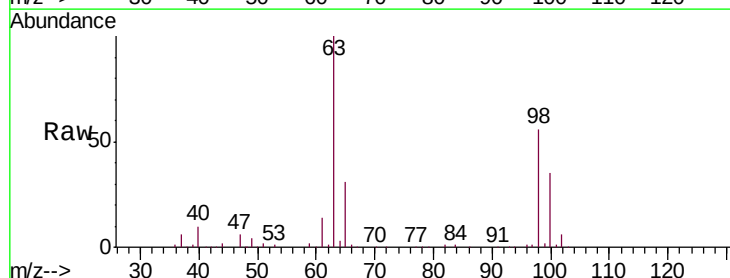
Acq: 15 Mar 2019 20:44

Tgt Ion: 101 Resp: 922

Ion Ratio Lower Upper

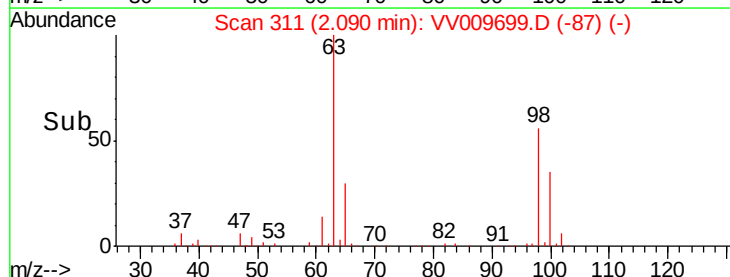
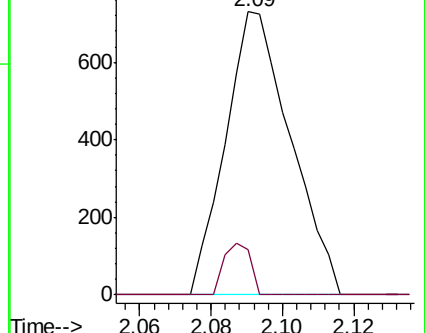
101 100

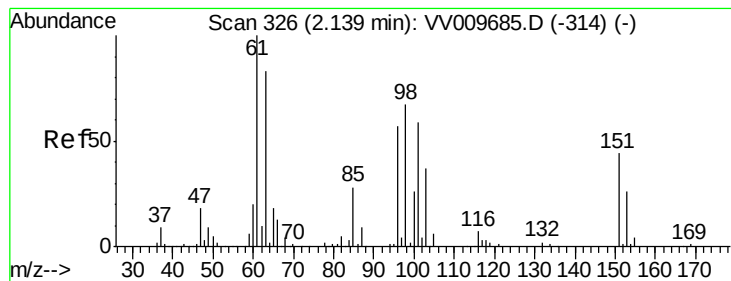
103 7.4 51.8 77.6#



Abundance Ion 101.00 (100.70 to 101.70): VV009685.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV009685.D (-201) (-)





#10

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

Concen: 0.719 ug/L

RT: 2.09 min Scan# 311

Delta R.T. -0.05 min

Lab File: VV009699.D

Acq: 15 Mar 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

BF0X9

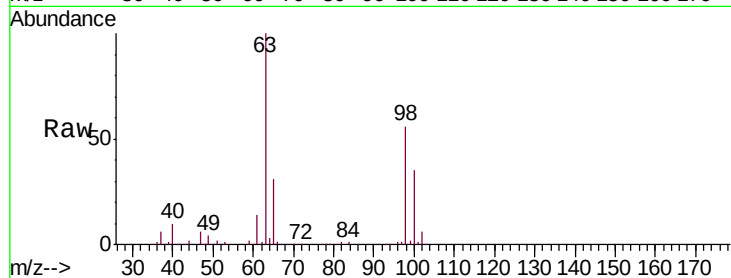
Tgt Ion:101 Resp: 922

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

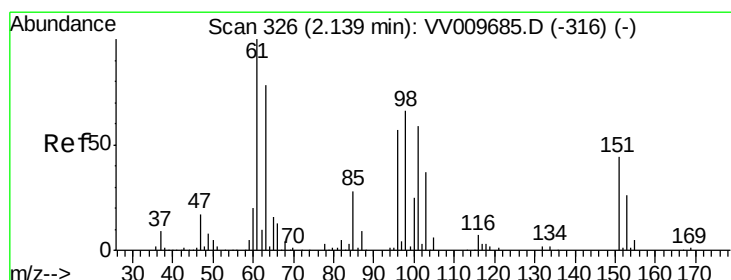
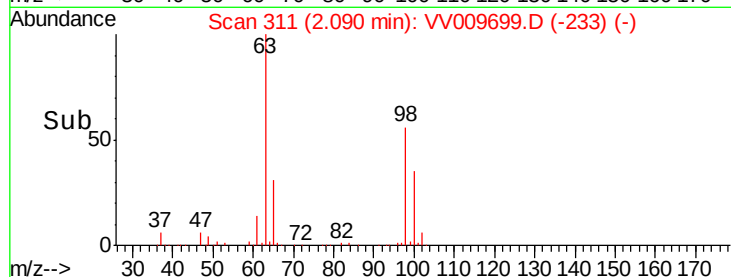
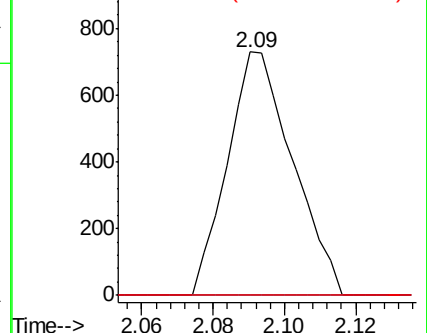
151 0.0 59.6 89.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.164 ug/L

RT: 2.09 min Scan# 312

Delta R.T. -0.05 min

Lab File: VV009699.D

Acq: 15 Mar 2019 20:44

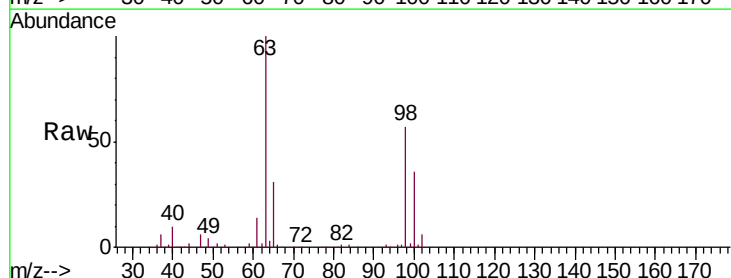
Tgt Ion: 96 Resp: 1277

Ion Ratio Lower Upper

96 100

61 1187.1 122.1 226.7#

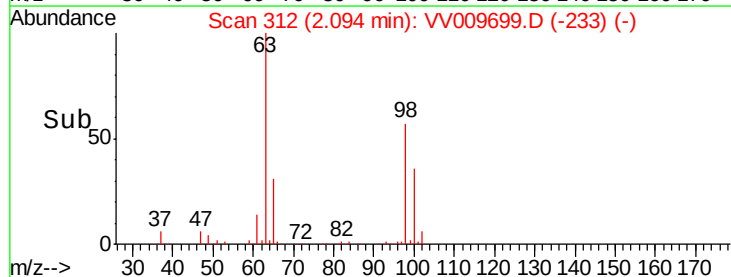
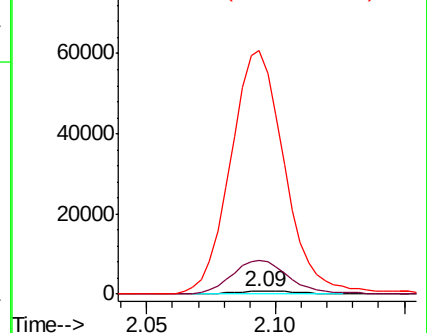
63 8545.7 107.6 199.8#

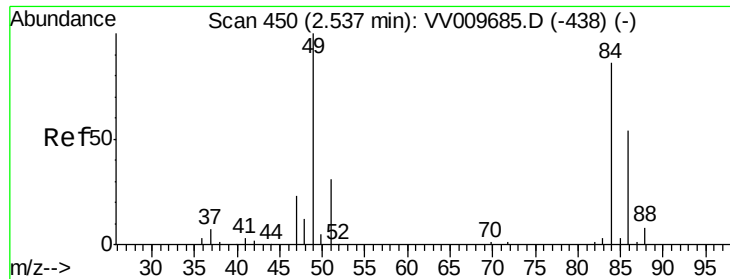


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

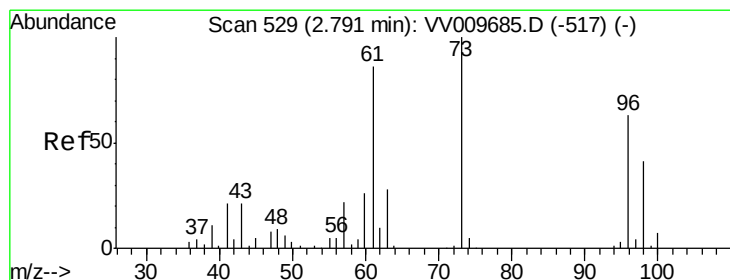
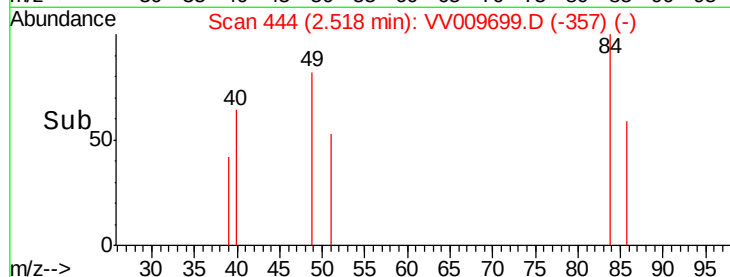
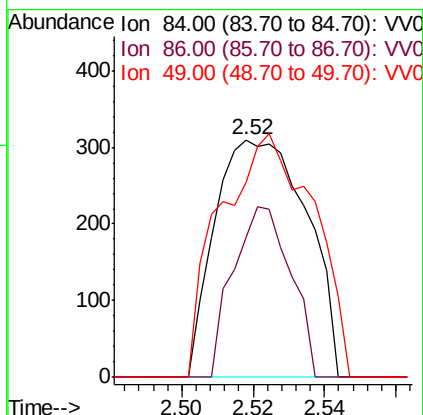
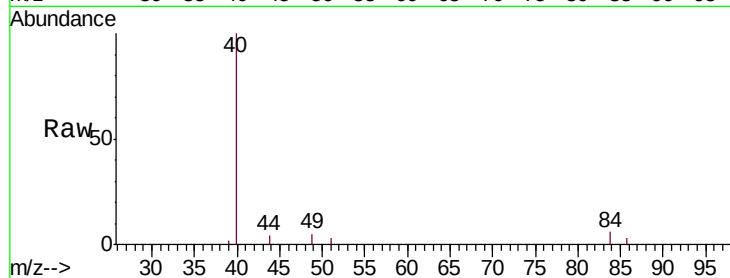




#16
Methylene chloride
Concen: 0.515 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.02 min
Lab File: VV009699.D
Acq: 15 Mar 2019 20:44

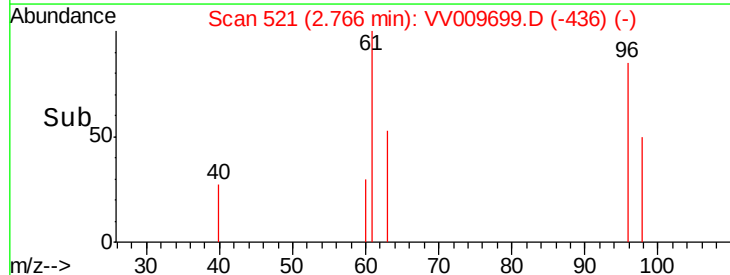
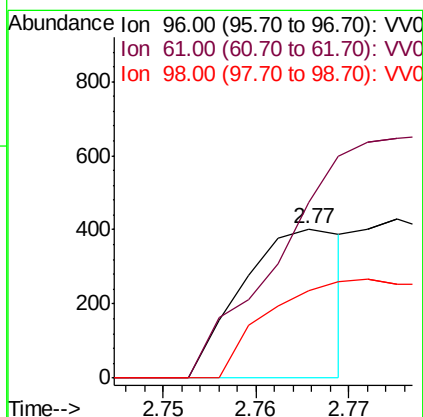
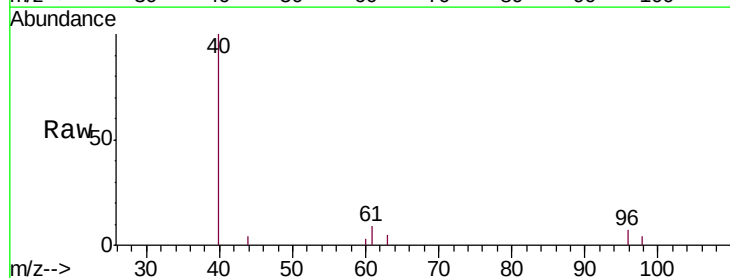
Instrument :
MSVOA_V
ClientSampled :
BF0X9

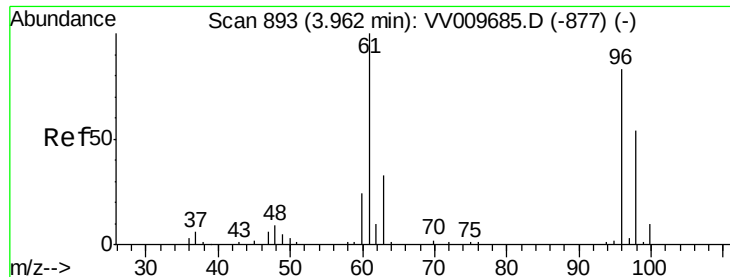
Tgt Ion: 84 Resp: 550
Ion Ratio Lower Upper
84 100
86 58.7 44.0 81.6
49 82.3 82.0 152.4



#17
trans-1,2-Dichloroethene
Concen: 0.309 ug/L
RT: 2.77 min Scan# 521
Delta R.T. -0.03 min
Lab File: VV009699.D
Acq: 15 Mar 2019 20:44

Tgt Ion: 96 Resp: 309
Ion Ratio Lower Upper
96 100
61 117.9 94.0 174.6
98 58.5 45.8 85.2

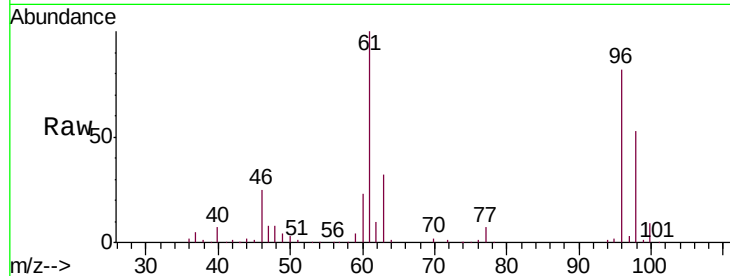




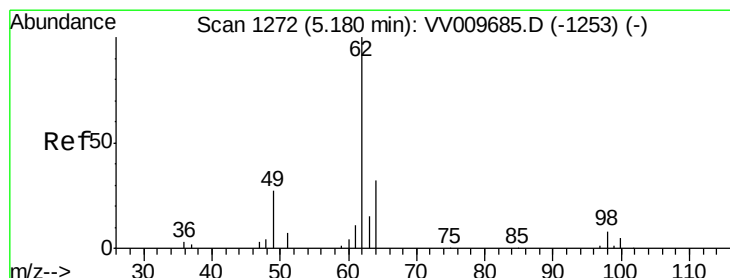
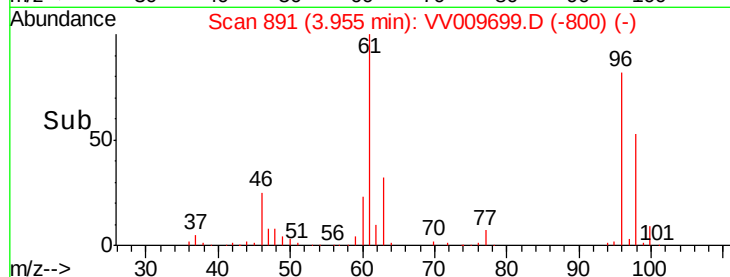
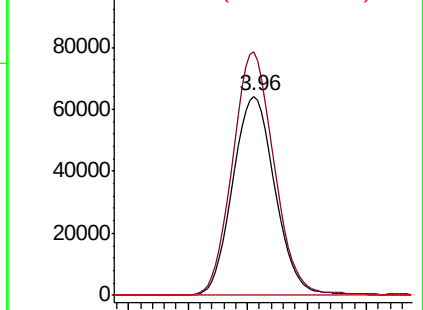
#20
 cis-1,2-Dichloroethene
 Concen: 135.575 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV009699.D
 Acq: 15 Mar 2019 20:44

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0X9

Tgt Ion: 96 Resp: 157836
 Ion Ratio Lower Upper
 96 100
 61 122.4 82.4 153.0
 68 0.0 0.0 0.0

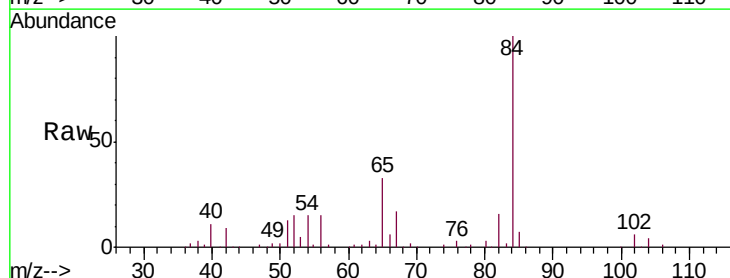


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

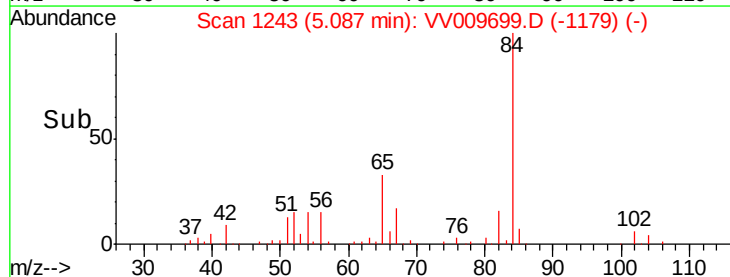
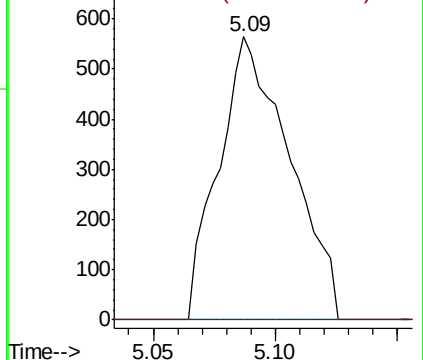


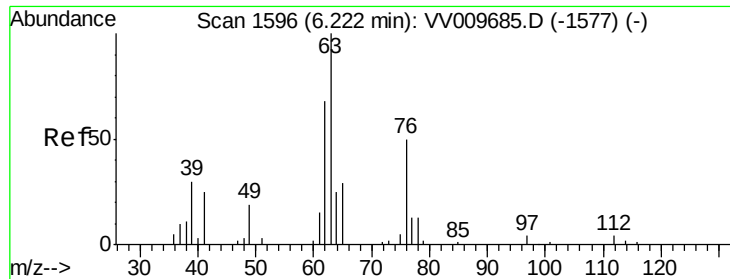
#27
 1,2-Dichloroethane
 Concen: 0.701 ug/L
 RT: 5.09 min Scan# 1243
 Delta R.T. -0.09 min
 Lab File: VV009699.D
 Acq: 15 Mar 2019 20:44

Tgt Ion: 62 Resp: 1139
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

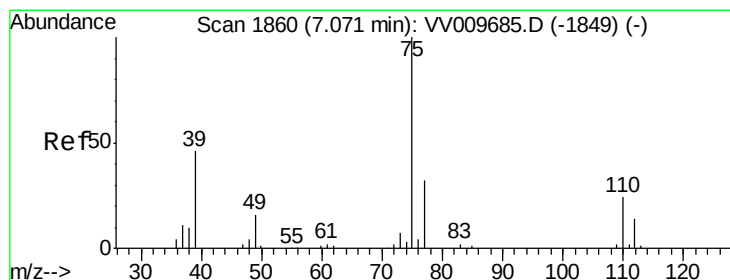
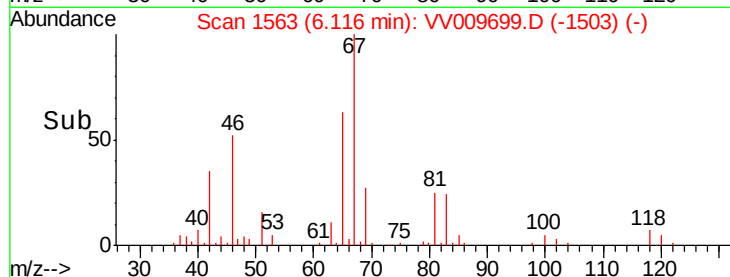
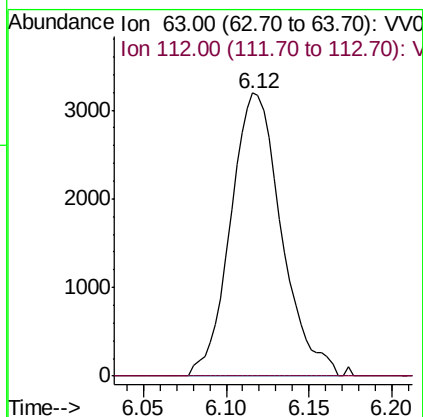
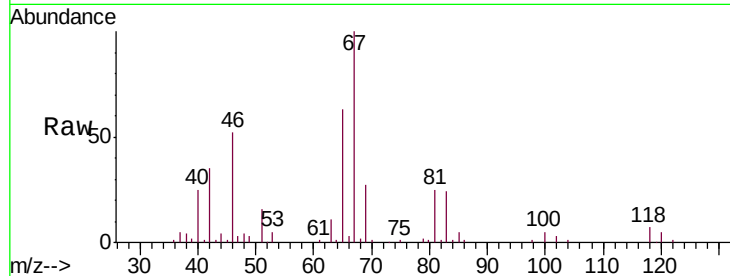




#37
 1,2-Dichloropropane
 Concen: 6.249 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.11 min
 Lab File: VV009699.D
 Acq: 15 Mar 2019 20:44

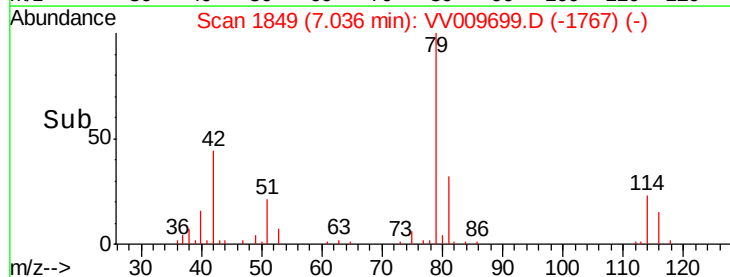
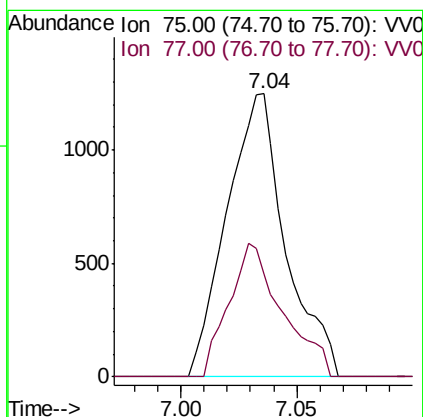
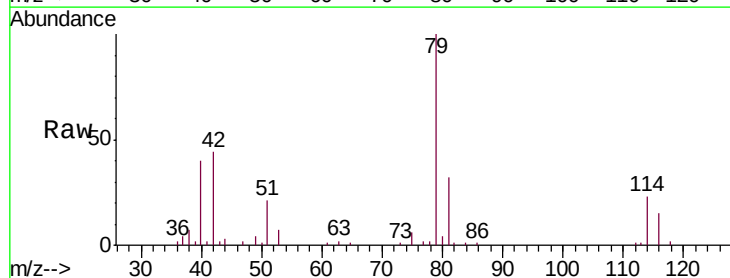
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0X9

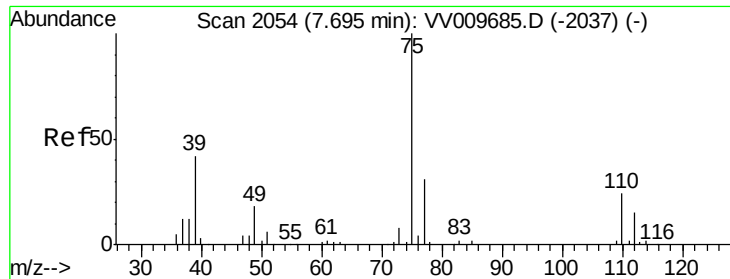
Tgt Ion: 63 Resp: 6800
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 1.270 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV009699.D
 Acq: 15 Mar 2019 20:44

Tgt Ion: 75 Resp: 2203
 Ion Ratio Lower Upper
 75 100
 77 36.5 22.3 41.5





#44

trans-1,3-Dichloropropene

Concen: 1.024 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV009699.D

Acq: 15 Mar 2019 20:44

Instrument :

MSVOA_V

ClientSampled :

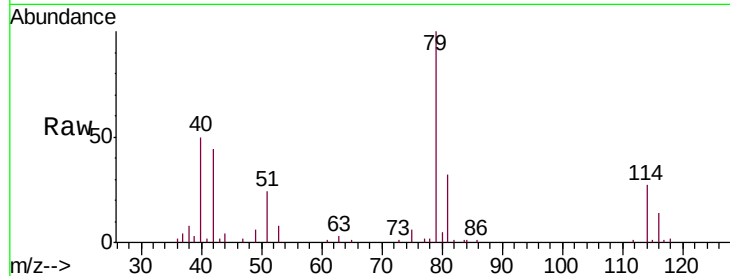
BF0X9

Tgt Ion: 75 Resp: 1667

Ion Ratio Lower Upper

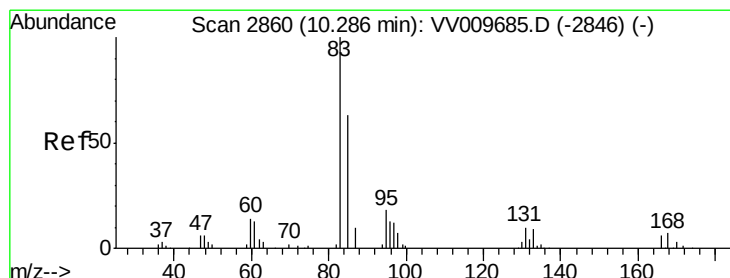
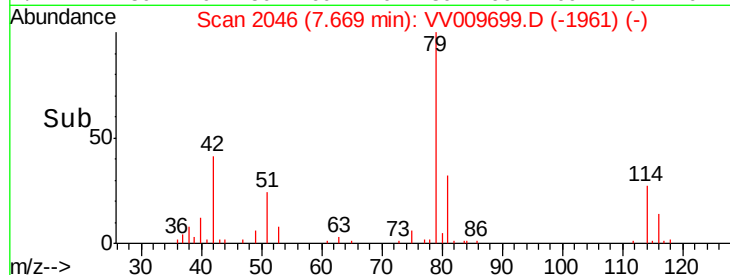
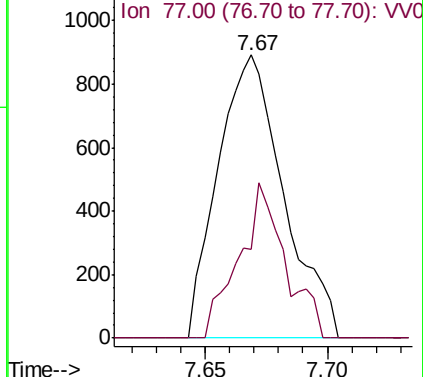
75 100

77 31.4 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV009685.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009685.D (-2037) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.839 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.01 min

Lab File: VV009699.D

Acq: 15 Mar 2019 20:44

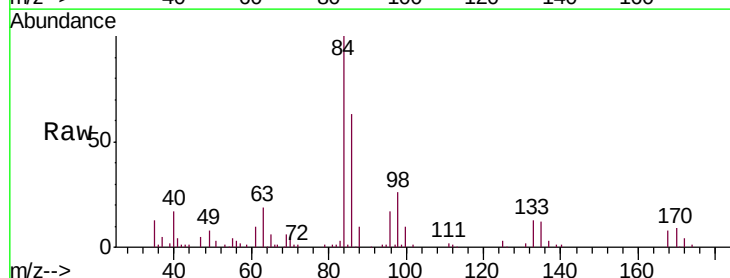
Tgt Ion: 83 Resp: 1665

Ion Ratio Lower Upper

83 100

85 46.8 44.9 83.5

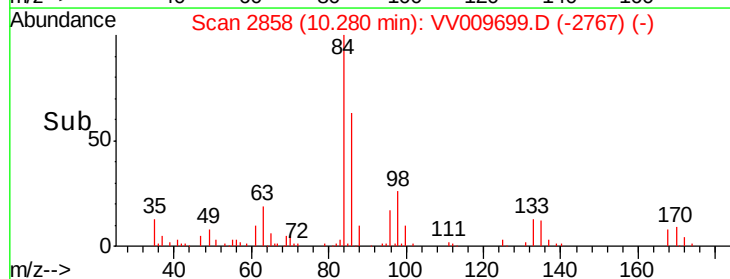
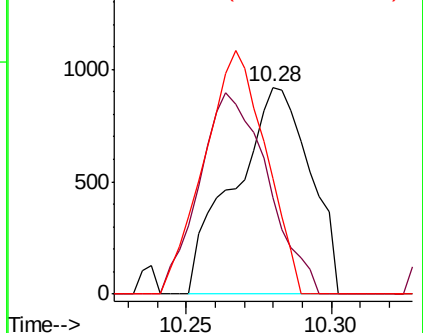
131 55.9 8.2 12.4#

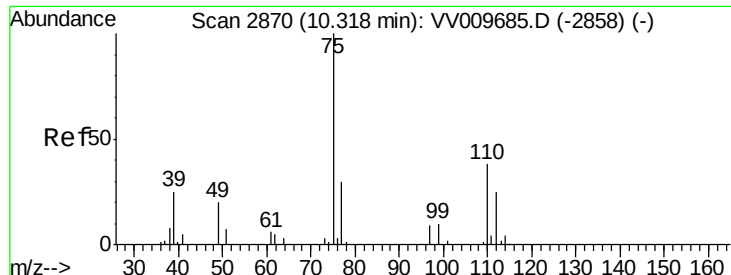


Abundance Ion 83.00 (82.70 to 83.70): VV009685.D (-2846) (-)

Ion 85.00 (84.70 to 85.70): VV009685.D (-2846) (-)

Ion 131.00 (130.70 to 131.70): VV009685.D (-2846) (-)





#59

1,2,3-Trichloropropane

Concen: 7.583 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009699.D

Acq: 15 Mar 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

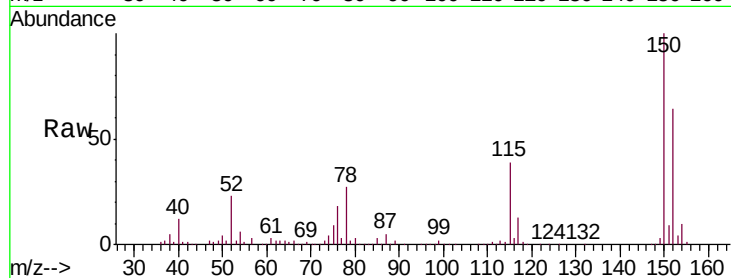
BF0X9

Tgt Ion: 75 Resp: 11189

Ion Ratio Lower Upper

75 100

77 38.6 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV009685.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV009685.D (-2858) (-)

11.30

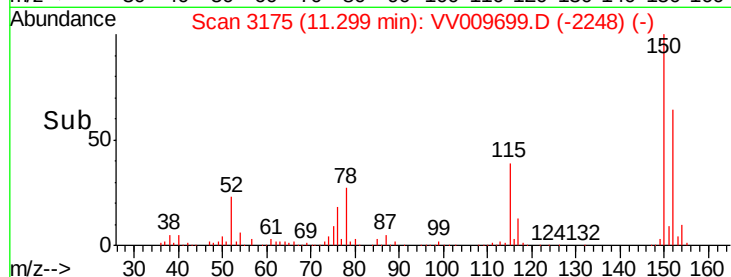
6000

4000

2000

0

11.25 11.30 11.35



Time-->