

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080818\
 Data File : VV006934.D
 Acq On : 08 Aug 2018 15:24
 Operator : SY/MD
 Sample : J4357-19
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 09 07:07:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 09 07:05:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	203603	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	191264	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76521	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78876	6.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.20%
7) Chloroethane-d5	1.58	69	62232	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.13	63	101734	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.97	46	196033	50.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.66%
24) Chloroform-d	4.41	84	134056	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.09	65	71673	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.10	84	263860	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
36) 1,2-Dichloropropane-d6	6.12	67	91480	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.37	98	197954	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.67	79	27564	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.15	63	94101	41.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.40%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	61938	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	67338	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

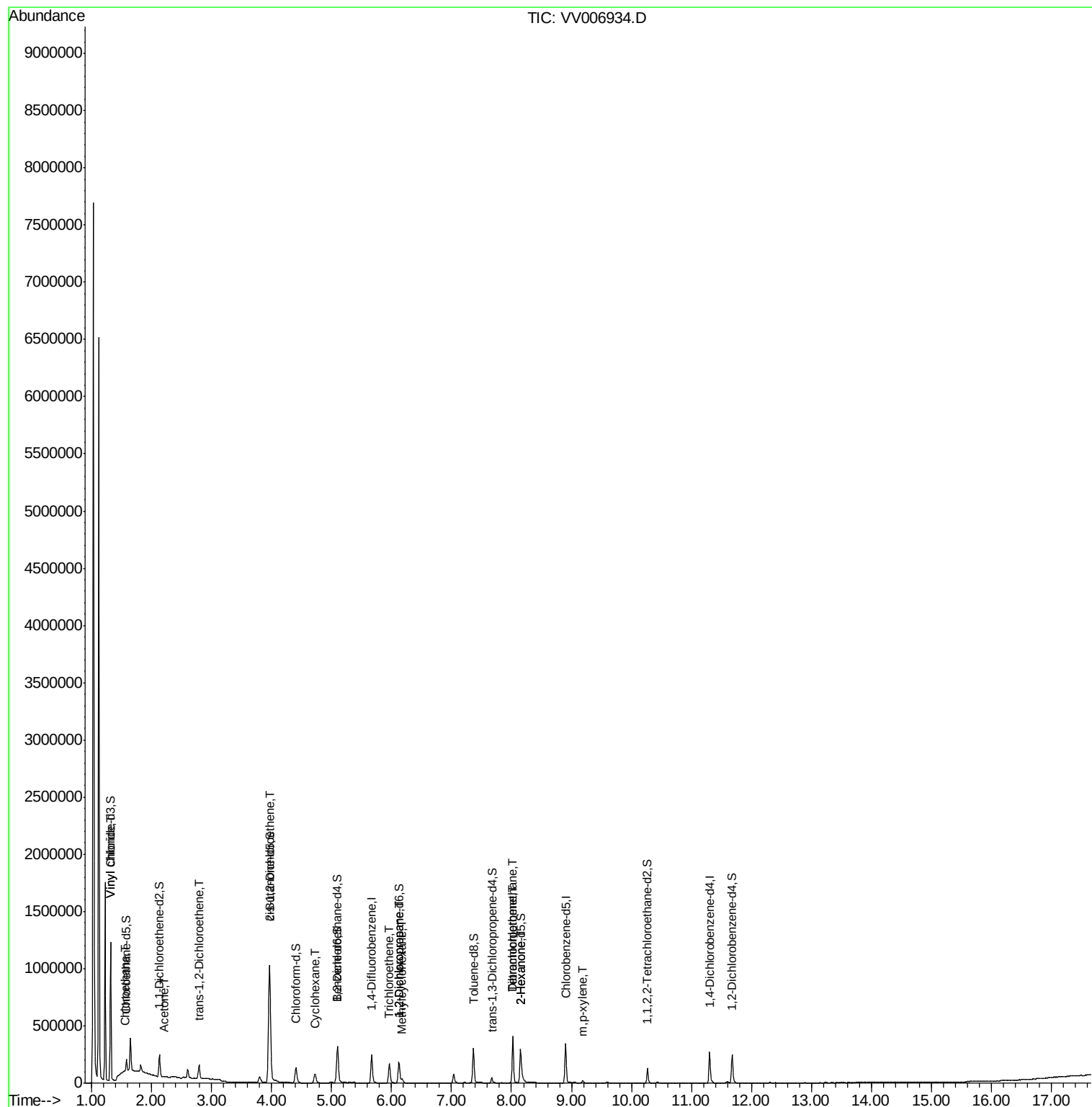
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	90431	4.725	ug/L	97
8) Chloroethane	1.55	64	341473	28.315	ug/L #	51
13) Acetone	2.21	43	3168	1.246	ug/L	76
18) trans-1,2-Dichloroethene	2.79	96	38542	2.635	ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	507261	34.668	ug/L	97
30) Cyclohexane	4.73	56	39275	1.737	ug/L	98
34) Trichloroethene	5.96	95	59460	4.332	ug/L	98
35) Methylcyclohexane	6.18	83	10583	0.497	ug/L	87
37) 1,2-Dichloropropane	6.12	63	9290	0.567	ug/L #	87
47) Tetrachloroethene	8.02	164	90050	8.624	ug/L	98
48) 2-Hexanone	8.15	43	14984	2.341	ug/L #	56
49) Dibromochloromethane	8.02	129	79576	7.312	ug/L #	9
53) m,p-xylene	9.19	106	5493	0.280	ug/L	85

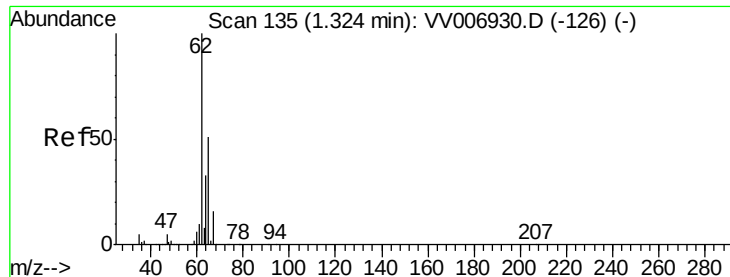
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 09 07:05:51 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.725 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

Instrument :

MSVOA_V

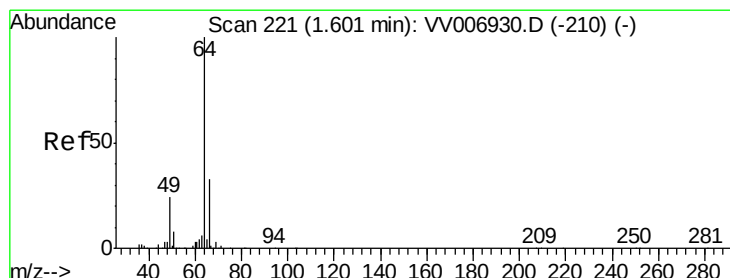
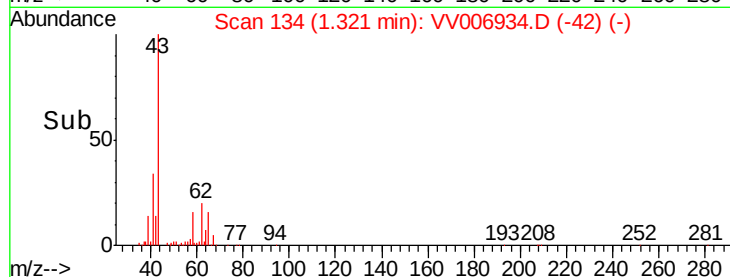
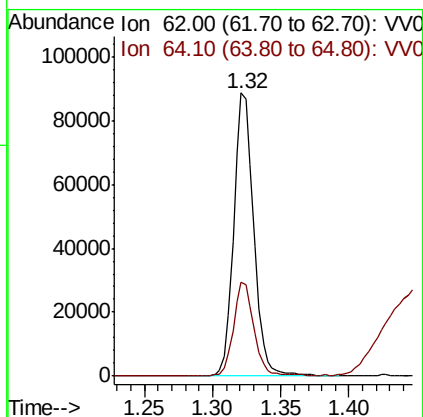
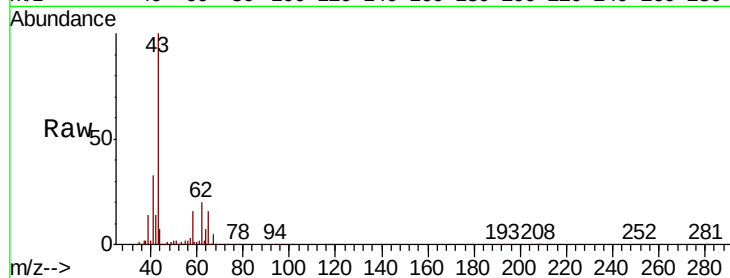
ClientSampleId :

Tot Ion: 62 Resp: 90431

Ion Ratio Lower Upper

62 100

64 33.2 22.1 41.1



#8

Chloroethane

Concen: 28.315 ug/L

RT: 1.55 min Scan# 206

Delta R.T. -0.05 min

Lab File: VV006934.D

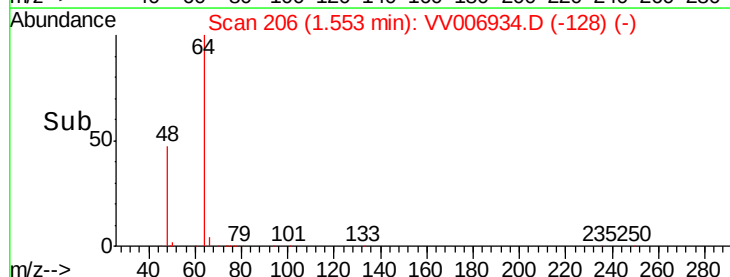
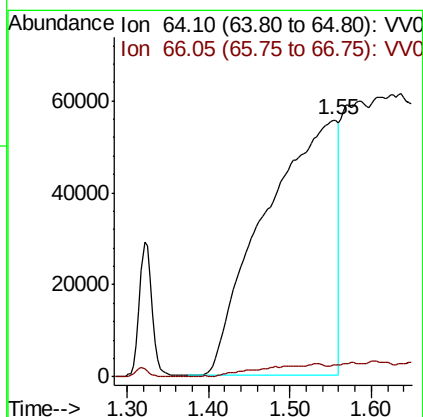
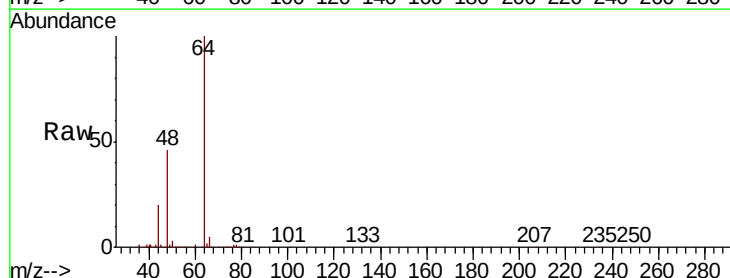
Acq: 08 Aug 2018 15:24

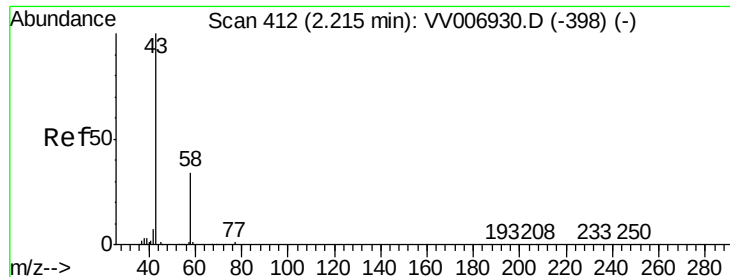
Tgt Ion: 64 Resp: 341473

Ion Ratio Lower Upper

64 100

66 4.6 22.6 42.0#





#13

Acetone

Concen: 1.246 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.01 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

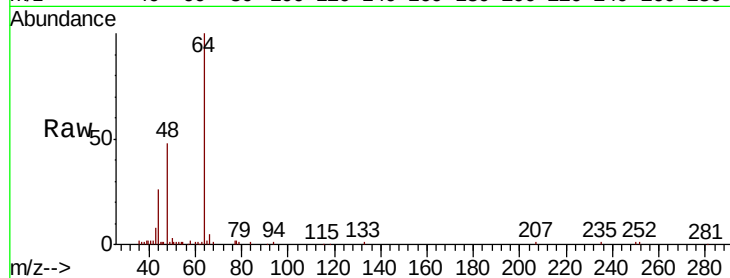
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3168

Ion Ratio Lower Upper

43 100

58 47.9 0.0 68.0



Abundance Ion 43.05 (42.75 to 43.75): VV006934.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VV006934.D (-398) (-)

2.21

2000

1500

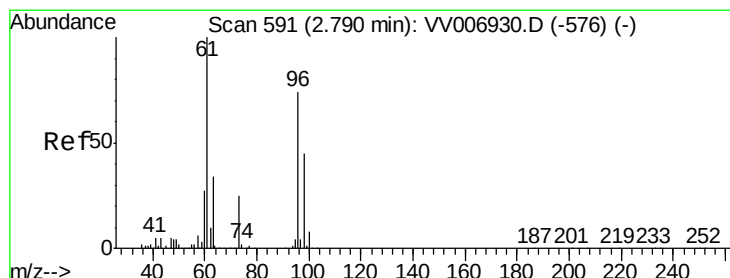
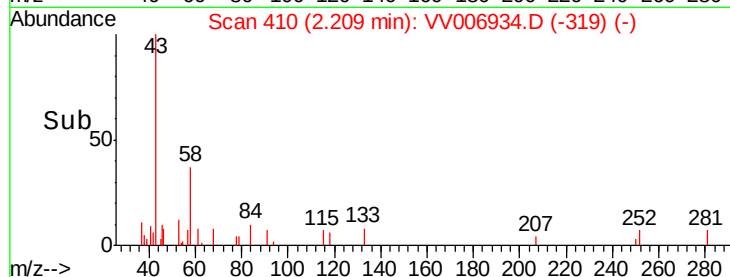
1000

500

0

Time-->

2.15 2.20 2.25



#18

trans-1,2-Dichloroethene

Concen: 2.635 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

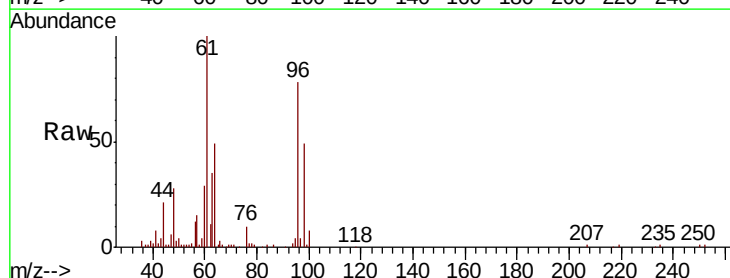
Tgt Ion: 96 Resp: 38542

Ion Ratio Lower Upper

96 100

61 128.7 97.3 180.7

98 63.0 42.8 79.6



Abundance Ion 96.00 (95.70 to 96.70): VV006934.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006934.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006934.D (-498) (-)

40000

30000

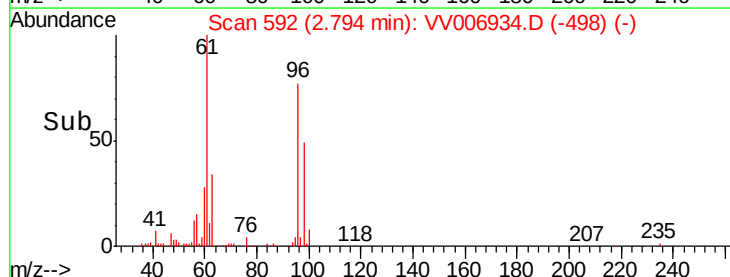
20000

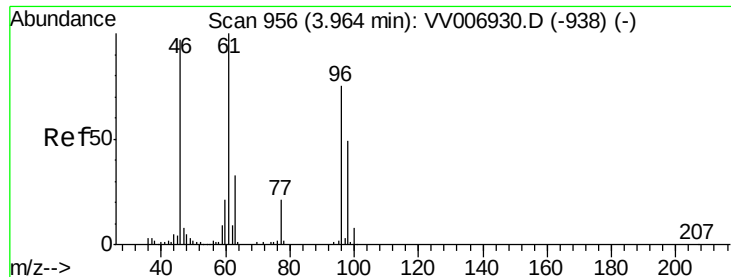
10000

0

Time-->

2.75 2.80 2.85

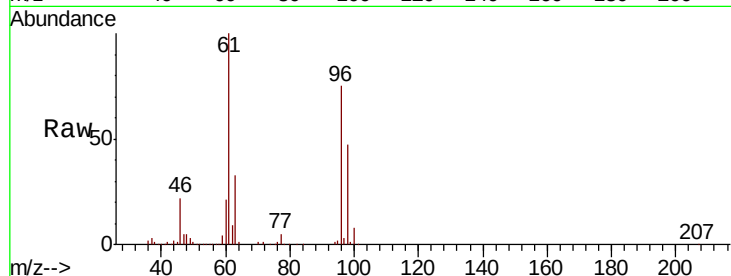




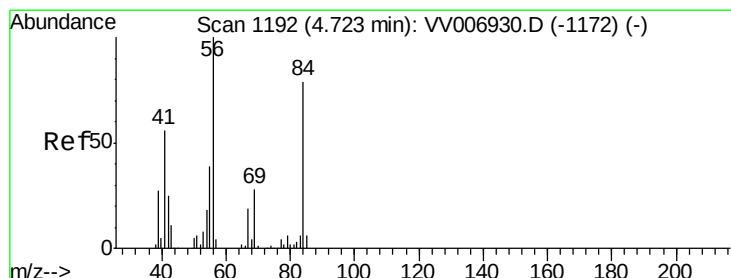
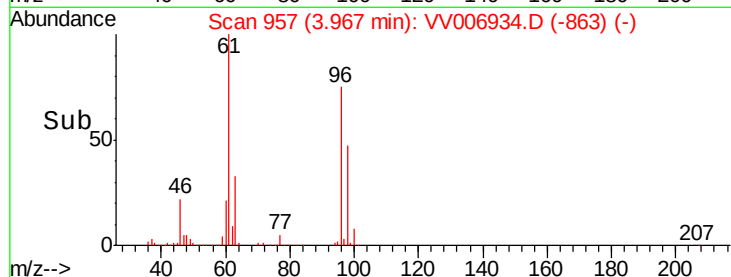
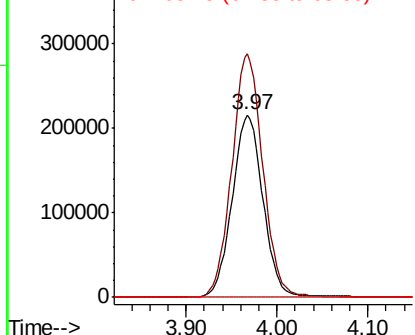
#22
 cis-1,2-Dichloroethene
 Concen: 34.668 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006934.D
 Acq: 08 Aug 2018 15:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 507261
 Ion Ratio Lower Upper
 96 100
 61 133.3 95.5 177.4
 68 0.0 0.0 0.0

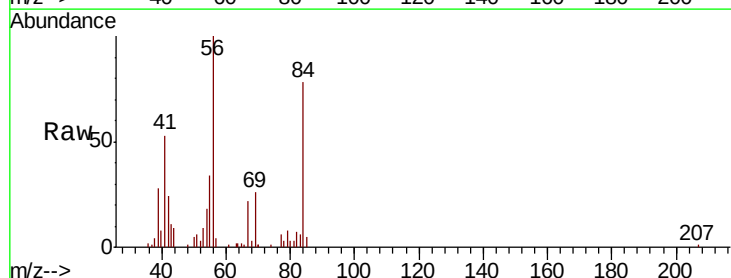


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

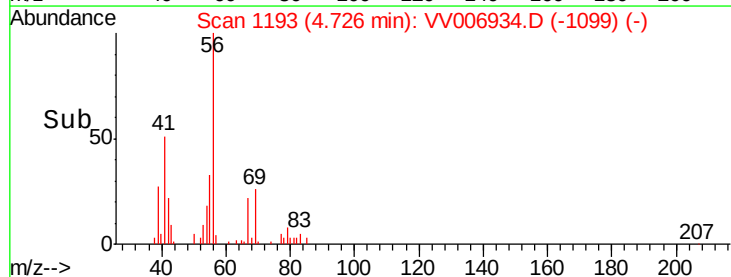
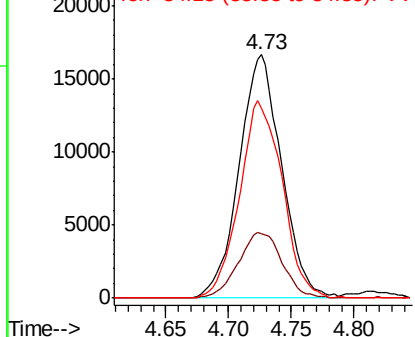


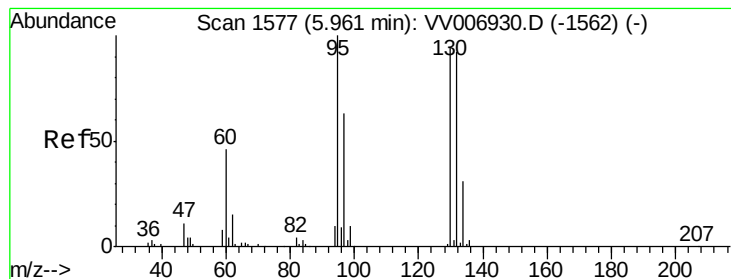
#30
 Cyclohexane
 Concen: 1.737 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006934.D
 Acq: 08 Aug 2018 15:24

Tgt Ion: 56 Resp: 39275
 Ion Ratio Lower Upper
 56 100
 69 27.7 24.2 36.2
 84 81.1 65.5 98.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#34

Trichloroethene

Concen: 4.332 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 59460

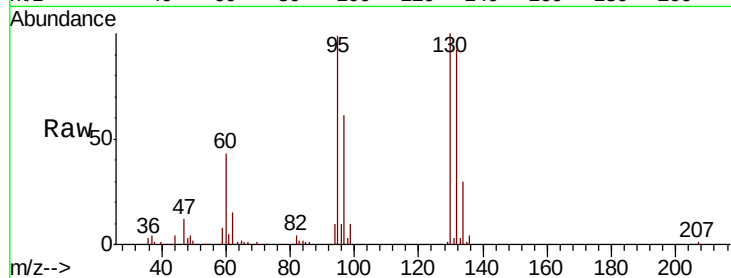
Ion Ratio Lower Upper

95 100

97 61.6 44.4 82.4

132 92.9 65.6 121.8

130 100.7 68.8 127.8

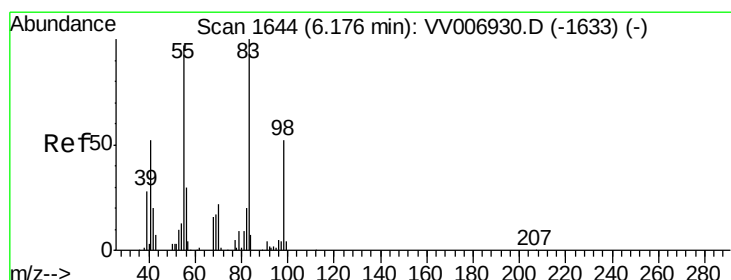
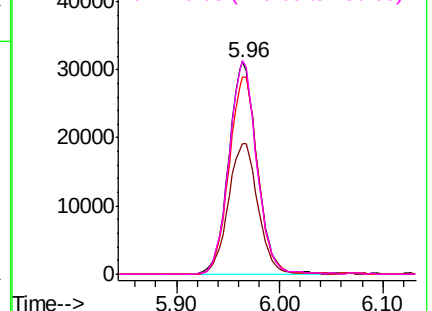
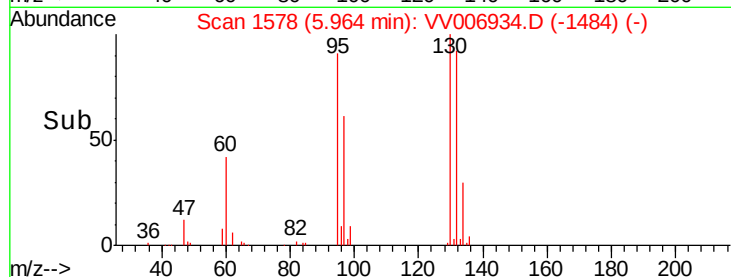


Abundance Ion 95.00 (94.70 to 95.70): VV006930.D (-1562) (-)

Ion 96.95 (96.65 to 97.65): VV006930.D (-1562) (-)

Ion 131.95 (131.65 to 132.65): VV006930.D (-1562) (-)

Ion 129.95 (129.65 to 130.65): VV006930.D (-1562) (-)



#35

Methylcyclohexane

Concen: 0.497 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. 0.00 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

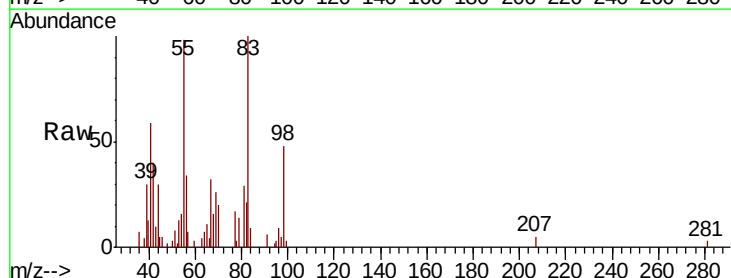
Tgt Ion: 83 Resp: 10583

Ion Ratio Lower Upper

83 100

55 103.3 69.8 104.8

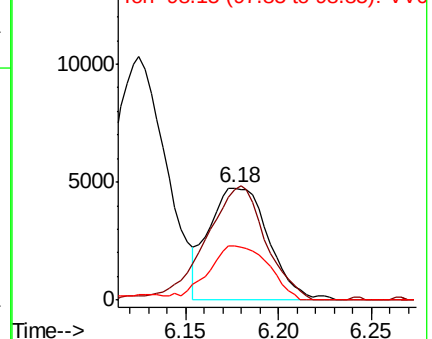
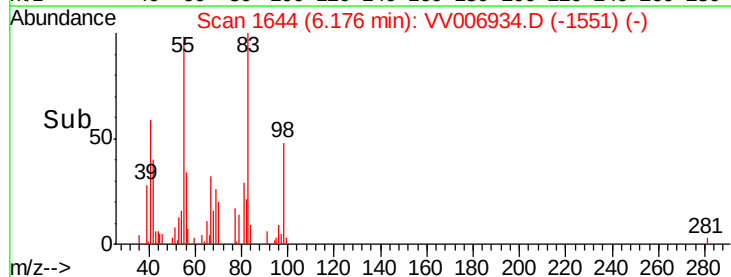
98 48.9 36.4 54.6

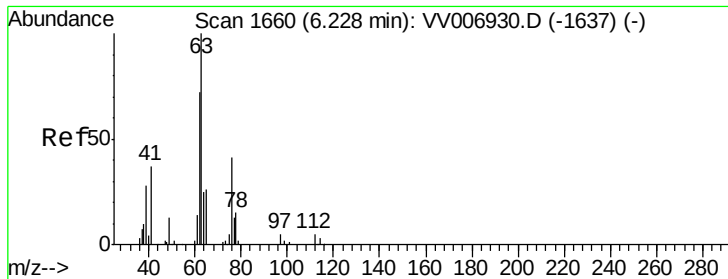


Abundance Ion 83.15 (82.85 to 83.85): VV006930.D (-1633) (-)

Ion 55.10 (54.80 to 55.80): VV006930.D (-1633) (-)

Ion 98.15 (97.85 to 98.85): VV006930.D (-1633) (-)





#37

1,2-Dichloropropane

Concen: 0.567 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

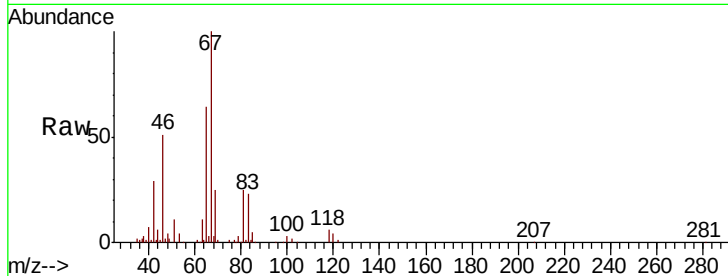
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 9290

Ion Ratio Lower Upper

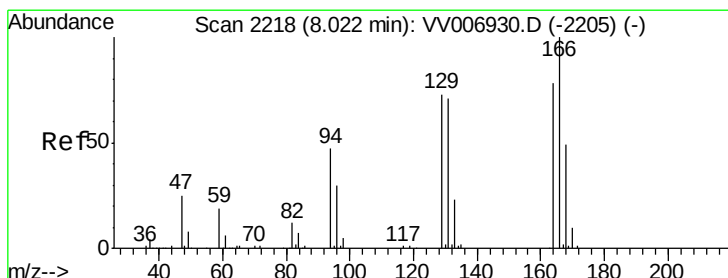
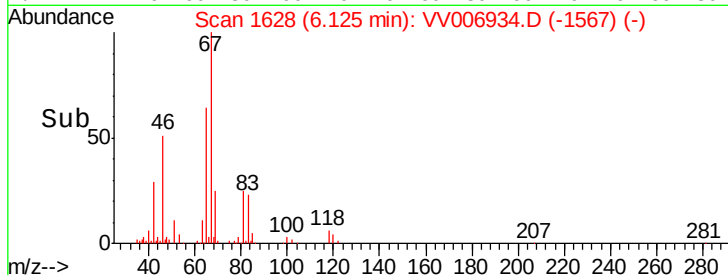
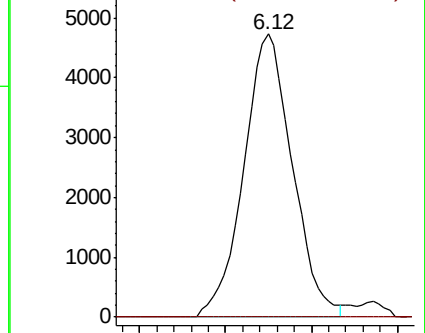
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV006934.D (-1637) (-)

Ion 112.10 (111.80 to 112.80): VV006934.D (-1637) (-)



#47

Tetrachloroethene

Concen: 8.624 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

Tgt Ion:164 Resp: 90050

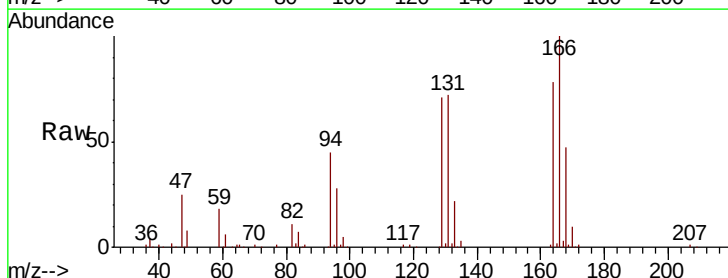
Ion Ratio Lower Upper

164 100

129 91.4 63.1 117.3

131 91.6 62.3 115.7

166 128.0 87.4 162.4

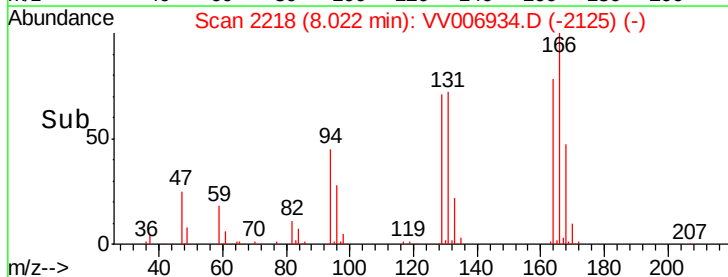
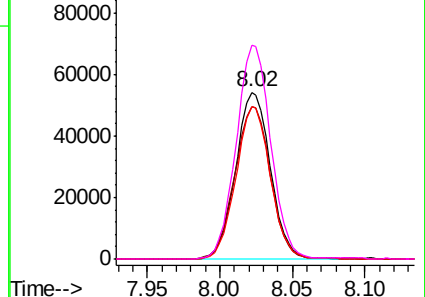


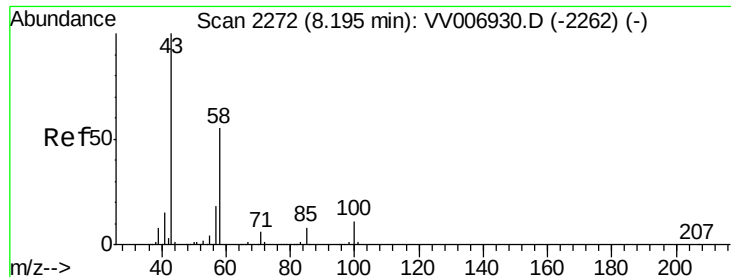
Abundance Ion 163.90 (163.60 to 164.60): VV006934.D (-2215) (-)

Ion 128.95 (128.65 to 129.65): VV006934.D (-2215) (-)

Ion 130.95 (130.65 to 131.65): VV006934.D (-2215) (-)

Ion 165.90 (165.60 to 166.60): VV006934.D (-2215) (-)





#48

2-Hexanone

Concen: 2.341 ug/L

RT: 8.15 min Scan# 2257

Delta R.T. -0.05 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 43 Resp: 14984

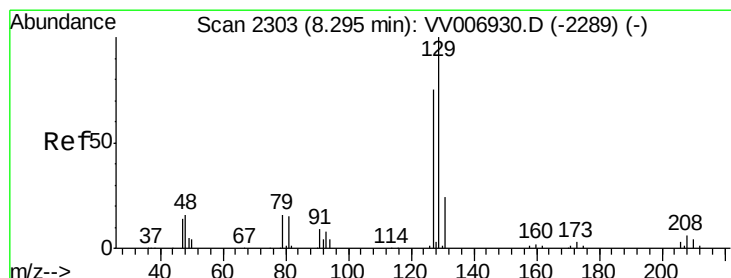
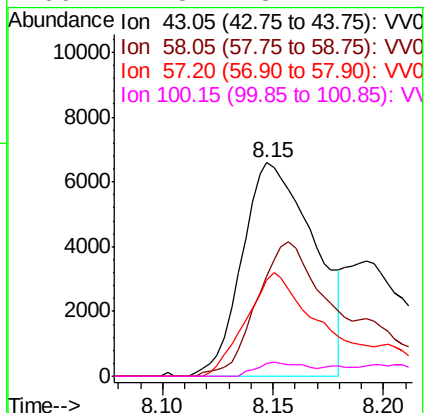
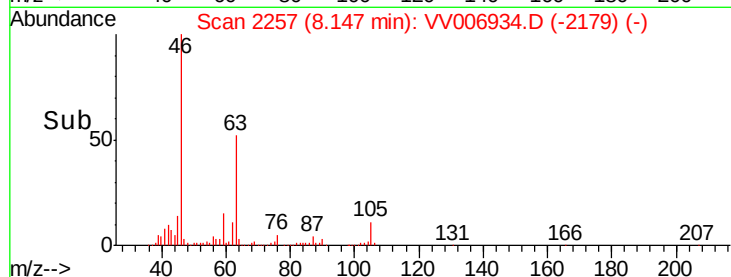
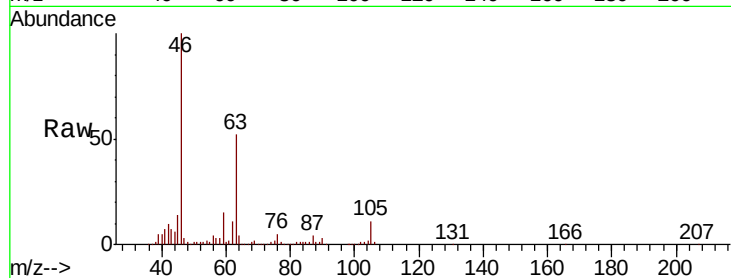
Ion Ratio Lower Upper

43 100

58 79.8 42.0 63.0#

57 50.4 14.1 21.1#

100 4.3 8.1 12.1#



#49

Dibromochloromethane

Concen: 7.312 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV006934.D

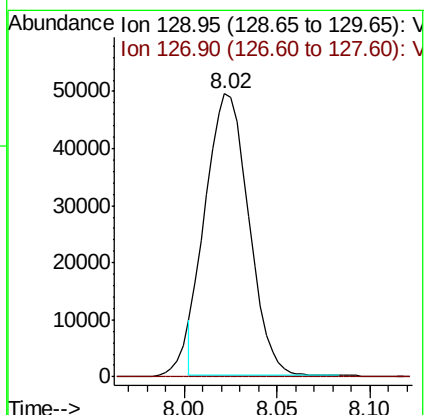
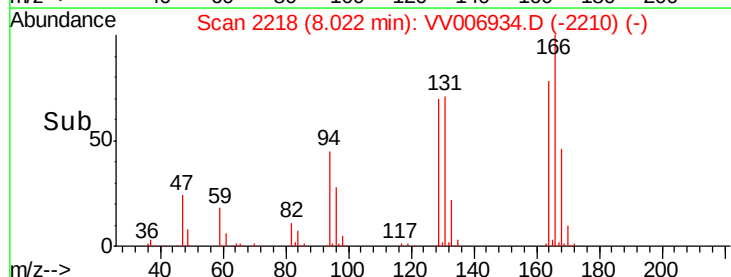
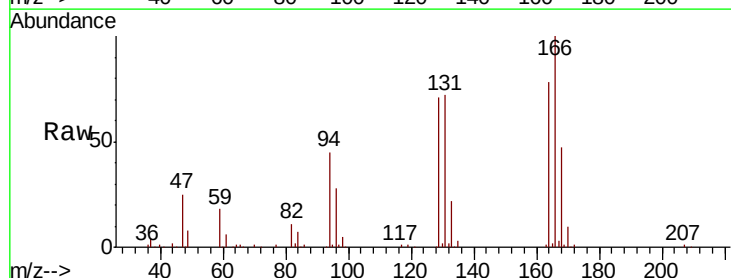
Acq: 08 Aug 2018 15:24

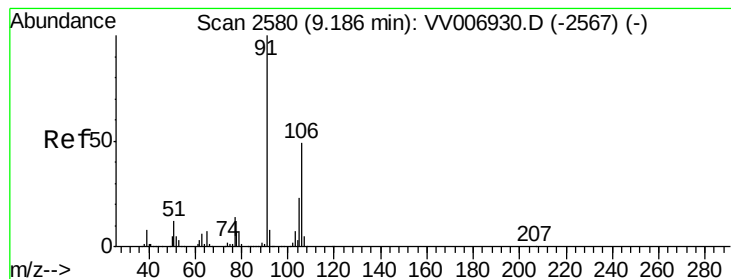
Tgt Ion: 129 Resp: 79576

Ion Ratio Lower Upper

129 100

127 0.0 57.0 105.8#





#53

m,p-xylene

Concen: 0.280 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006934.D

Acq: 08 Aug 2018 15:24

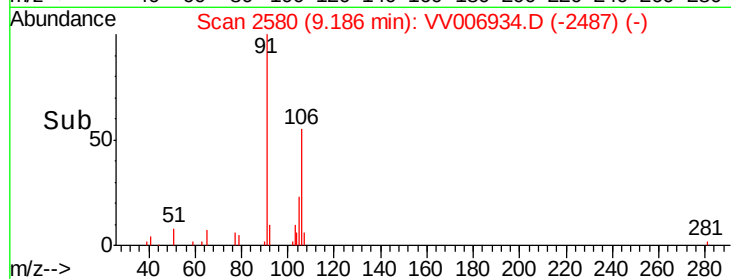
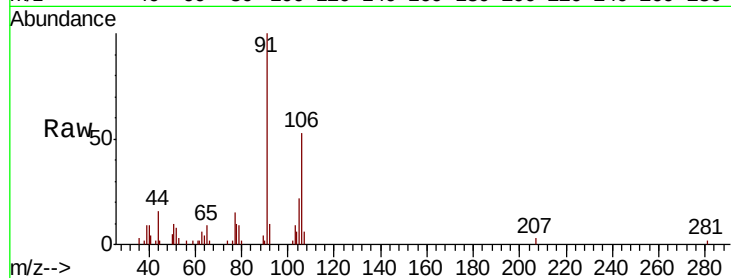
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 5493

Ion Ratio Lower Upper

106 100

91 188.1 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

