

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006990.D
 Acq On : 10 Aug 2018 18:15
 Operator : SY/MD
 Sample : MDL01
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Quant Time: Aug 11 00:20:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	248037	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	242442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98548	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65777	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.58	69	61774	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	88995	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	3.97	46	224875	48.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.68%
24) Chloroform-d	4.40	84	152566	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	78565	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	276954	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	101583	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	209269	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloropropene-	7.67	79	30595	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.15	63	117221	38.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.40%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74714	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	80463	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	4975	0.214	ug/L 97
8) Chloroethane	1.60	64	3154	0.216	ug/L 94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4554	0.248	ug/L # 80
12) 1,1-Dichloroethene	2.14	96	4318	0.242	ug/L # 1
13) Acetone	2.21	43	5130	2.164	ug/L 90
14) Carbon disulfide	2.32	76	11993	0.204	ug/L # 93
15) Methyl Acetate	2.47	43	1420	0.213	ug/L 96
16) Methylene chloride	2.54	84	6603	0.307	ug/L 94
18) trans-1,2-Dichloroethene	2.79	96	4021	0.211	ug/L 88
19) 1,1-Dichloroethane	3.23	63	6954	0.202	ug/L 92
21) 2-Butanone	4.06	43	11413	2.217	ug/L # 73
22) cis-1,2-Dichloroethene	3.97	96	4620	0.213	ug/L 94
25) Chloroform	4.43	83	8239	0.219	ug/L 91
27) 1,2-Dichloroethane	5.19	62	4878	0.208	ug/L # 82
40) 4-Methyl-2-pentanone	7.29	43	17604	1.417	ug/L # 91
48) 2-Hexanone	8.20	43	29117	3.324	ug/L 92
62) 1,3-Dichlorobenzene	11.23	146	6410	0.201	ug/L 97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 11 00:19:35 2018
Response via : Initial Calibration

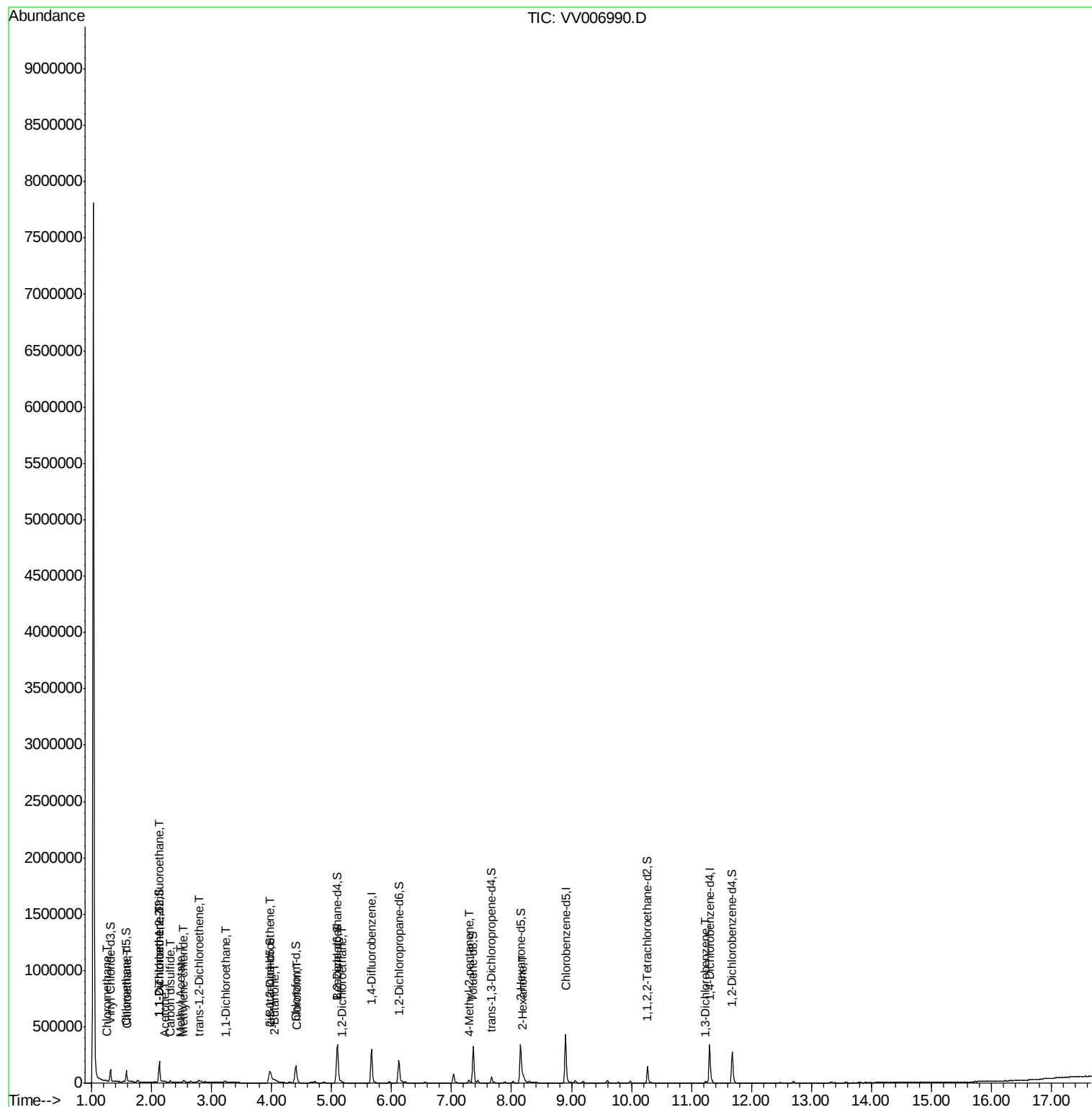
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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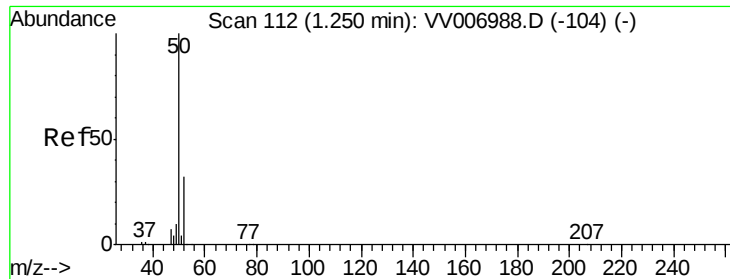
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.214 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

Instrument :

MSVOA_V

ClientSampleId :

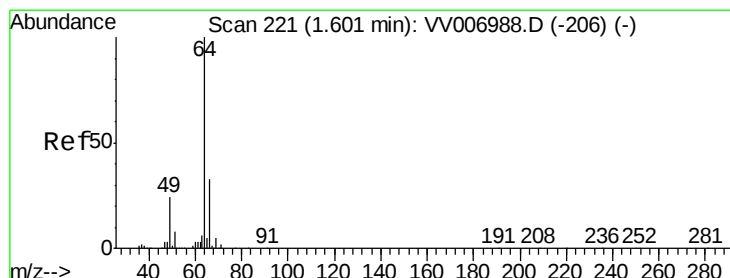
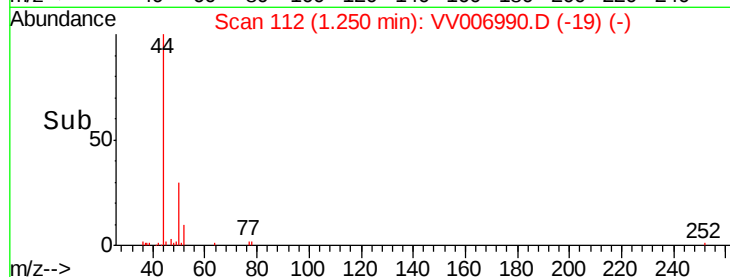
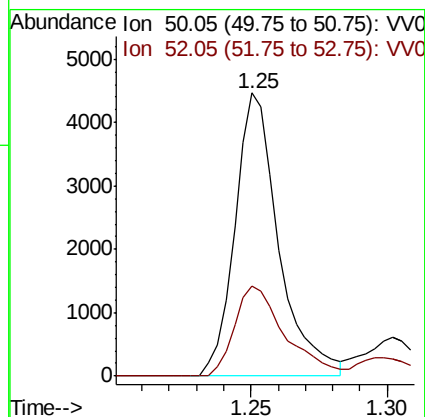
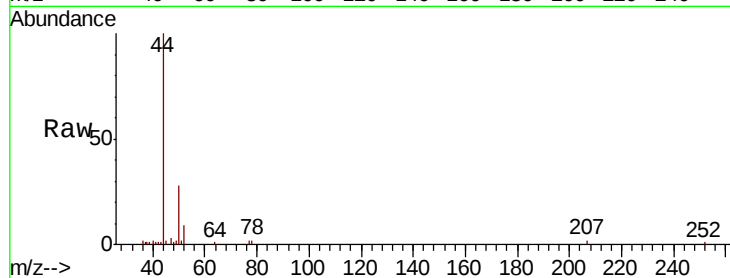
MDL01

Tot Ion: 50 Resp: 4975

Ion Ratio Lower Upper

50 100

52 32.0 23.6 43.8



#8

Chloroethane

Concen: 0.216 ug/L

RT: 1.60 min Scan# 220

Delta R.T. -0.00 min

Lab File: VV006990.D

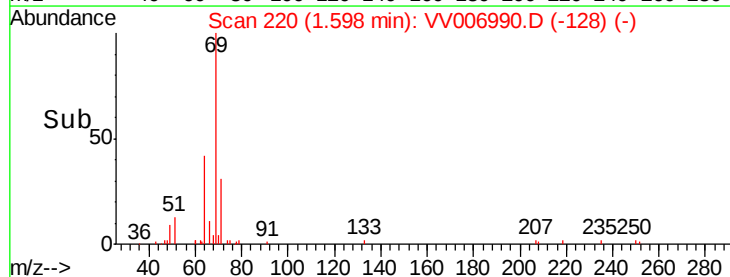
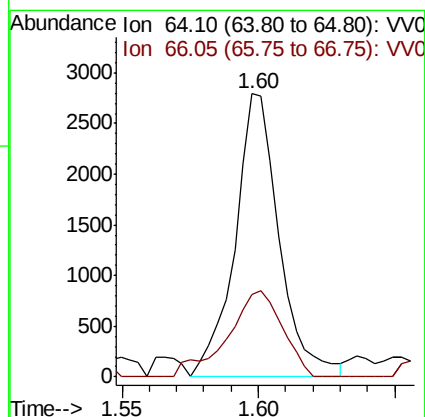
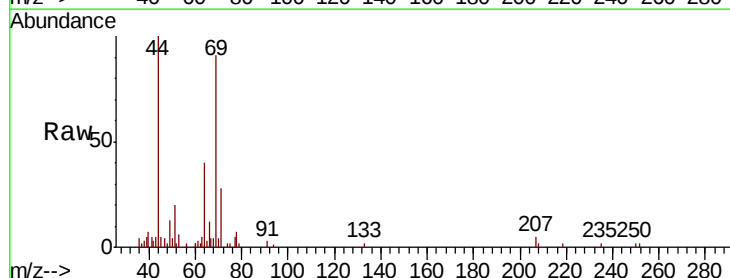
Acq: 10 Aug 2018 18:15

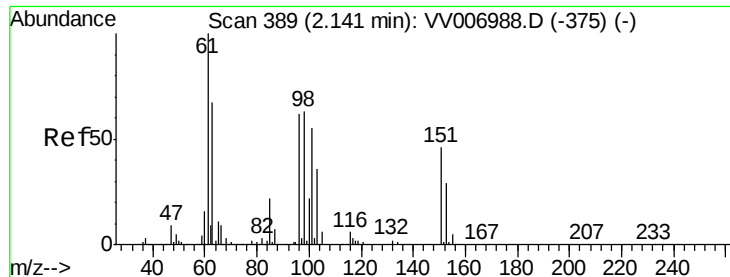
Tgt Ion: 64 Resp: 3154

Ion Ratio Lower Upper

64 100

66 29.1 22.6 42.0





#10

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

Concen: 0.248 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

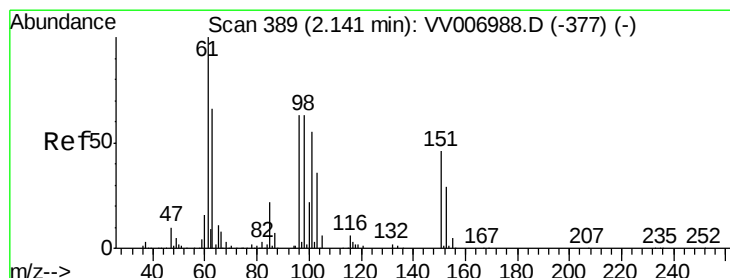
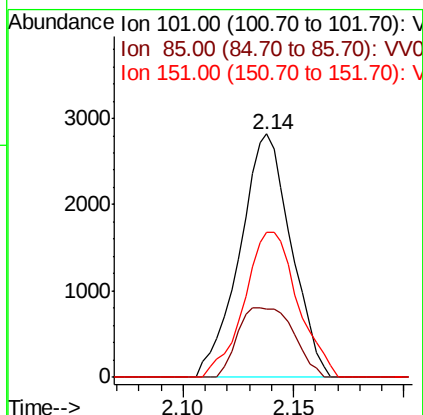
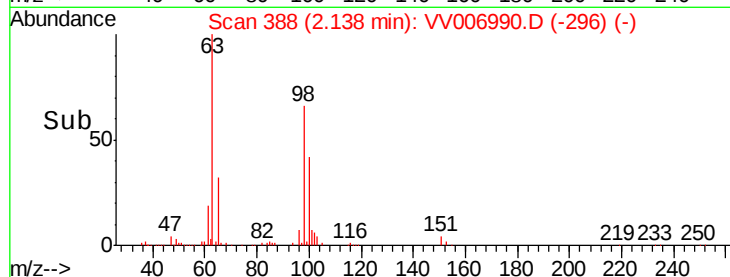
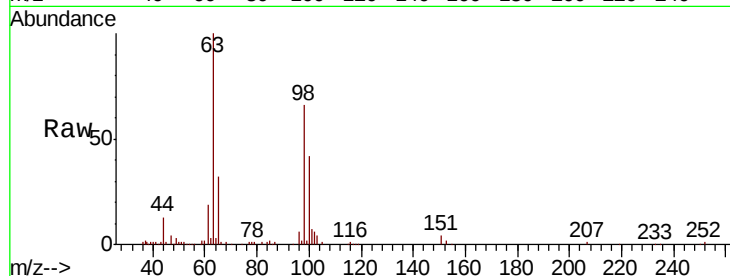
Tot Ion:101 Resp: 4554

Ion Ratio Lower Upper

101 100

85 31.0 33.9 50.9#

151 62.1 64.1 96.1#



#12

1,1-Dichloroethene

Concen: 0.242 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

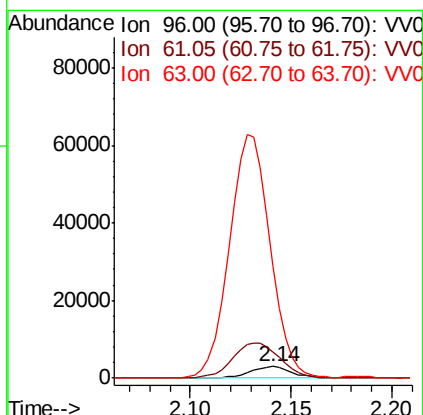
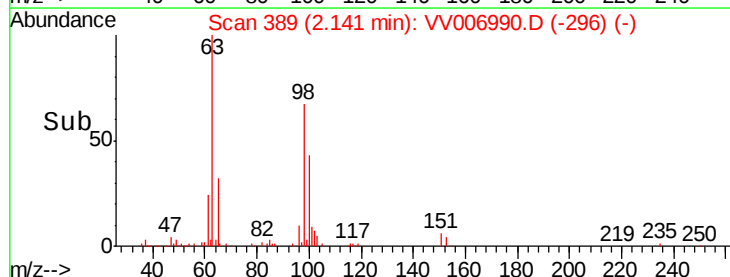
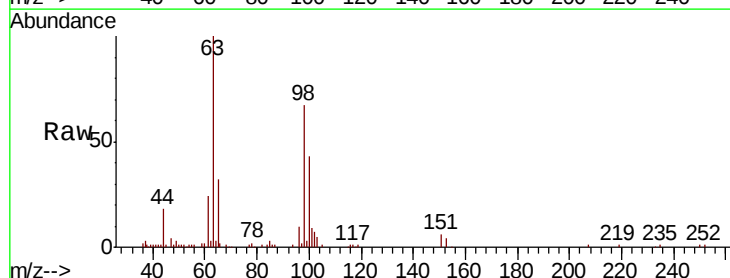
Tgt Ion: 96 Resp: 4318

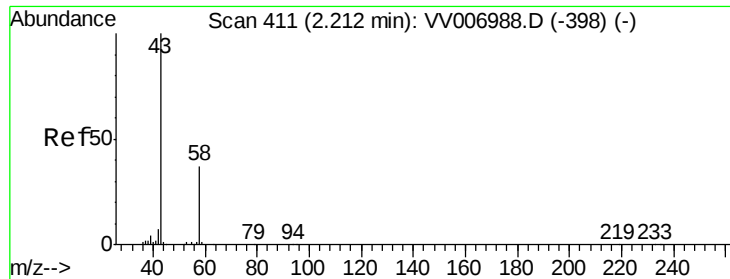
Ion Ratio Lower Upper

96 100

61 233.3 111.6 207.4#

63 984.9 84.9 157.7#





#13

Acetone

Concen: 2.164 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

Instrument :

MSVOA_V

ClientSampled :

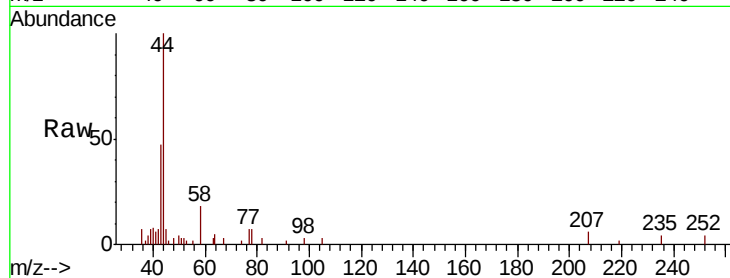
MDL01

Tot Ion: 43 Resp: 5130

Ion Ratio Lower Upper

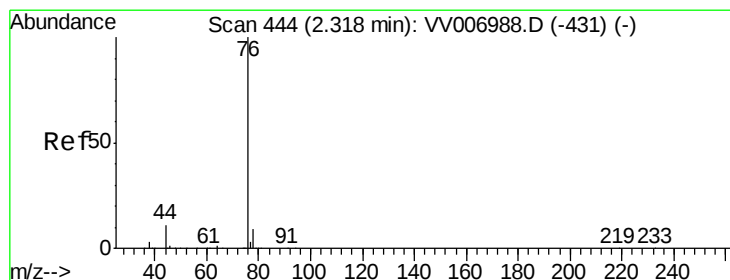
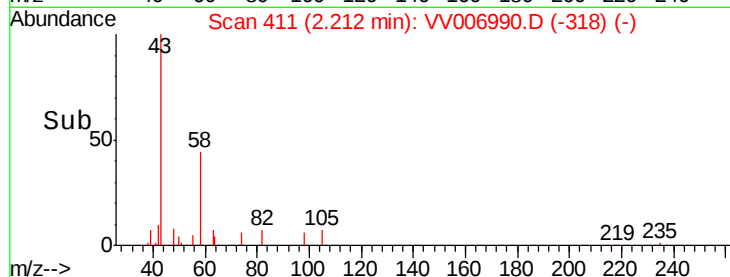
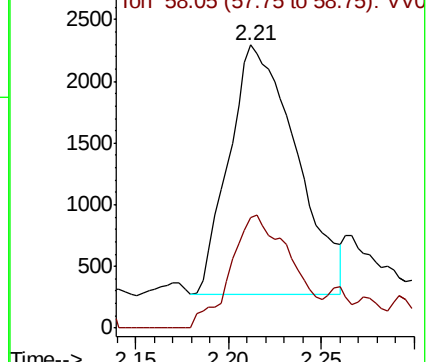
43 100

58 41.3 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006988.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VV006988.D (-398) (-)



#14

Carbon disulfide

Concen: 0.204 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006990.D

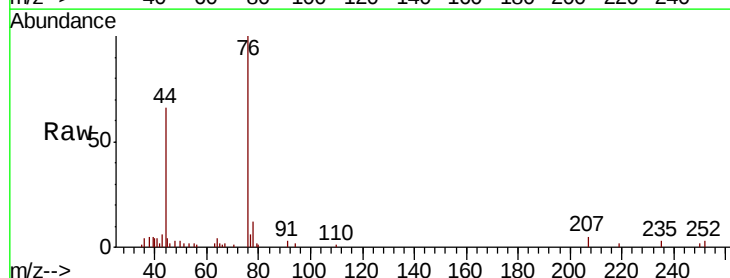
Acq: 10 Aug 2018 18:15

Tgt Ion: 76 Resp: 11993

Ion Ratio Lower Upper

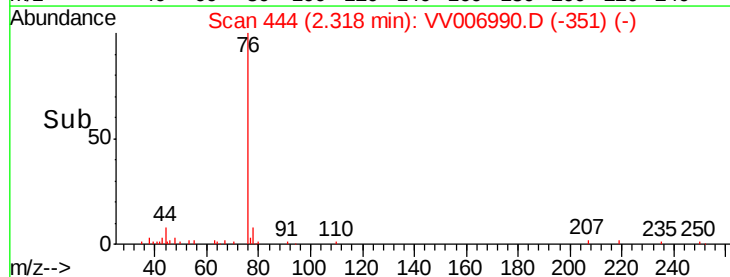
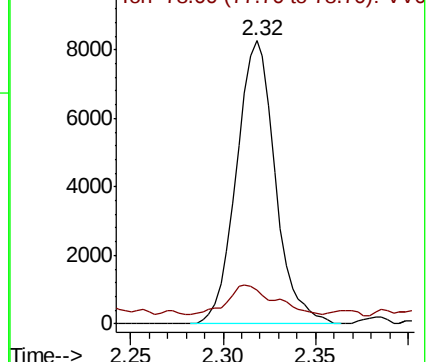
76 100

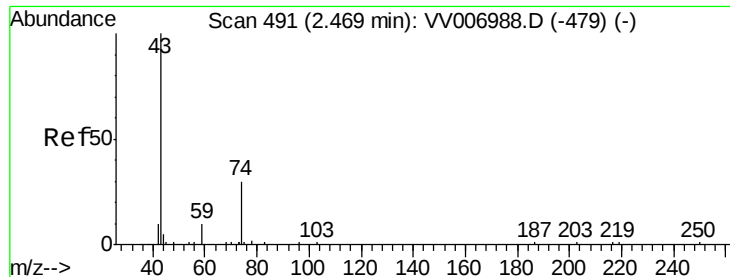
78 12.1 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VV006988.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV006988.D (-431) (-)

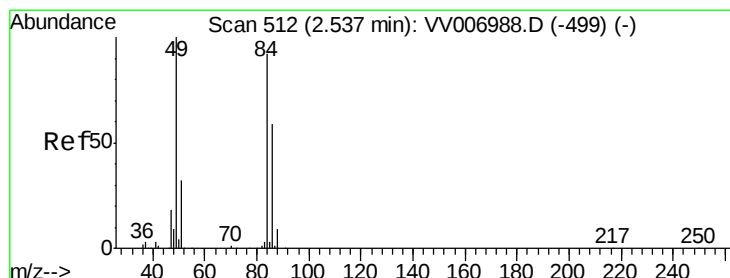
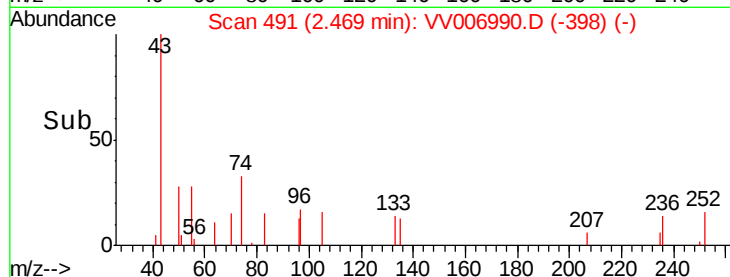
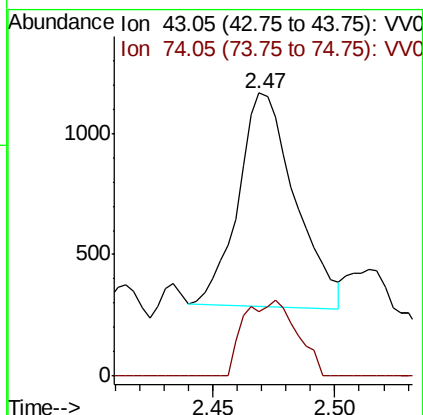
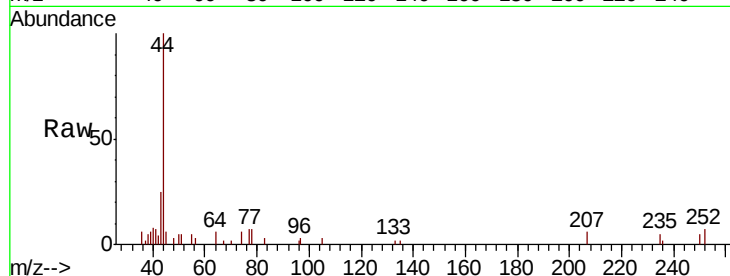




#15
Methyl Acetate
Concen: 0.213 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006990.D
Acq: 10 Aug 2018 18:15

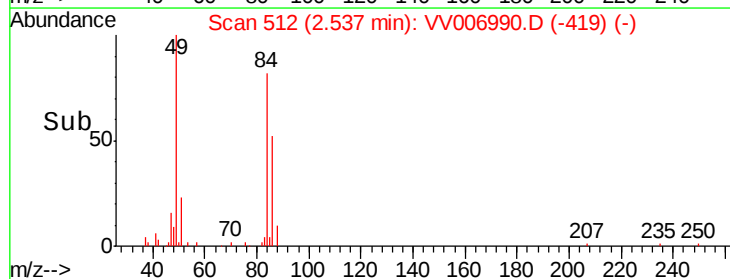
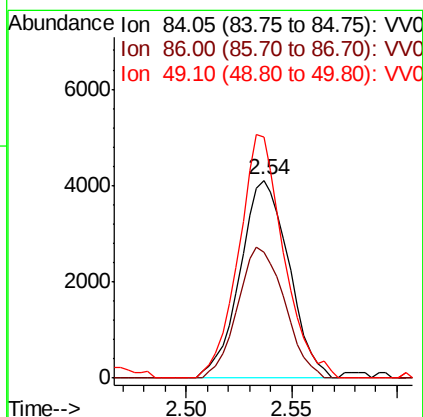
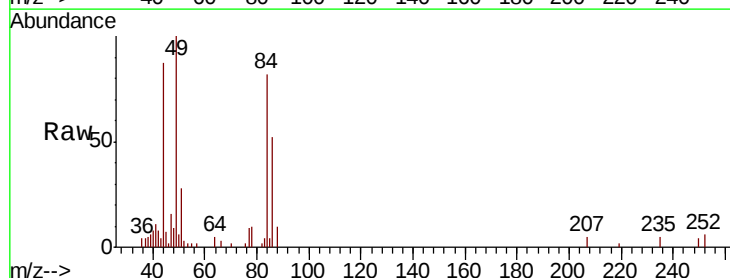
Instrument :
MSVOA_V
ClientSampleId :
MDL01

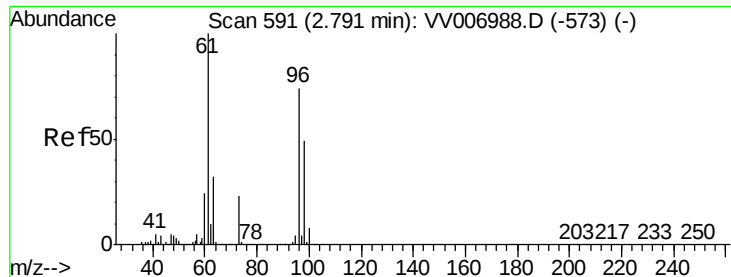
Tot Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
74 33.1 24.6 37.0



#16
Methylene chloride
Concen: 0.307 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006990.D
Acq: 10 Aug 2018 18:15

Tgt Ion: 84 Resp: 6603
Ion Ratio Lower Upper
84 100
86 63.8 45.7 84.9
49 121.9 78.8 146.4





#18

trans-1,2-Dichloroethene

Concen: 0.211 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

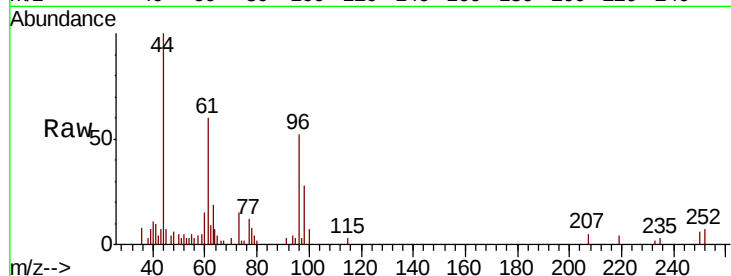
Tot Ion: 96 Resp: 4021

Ion Ratio Lower Upper

96 100

61 116.0 91.1 169.3

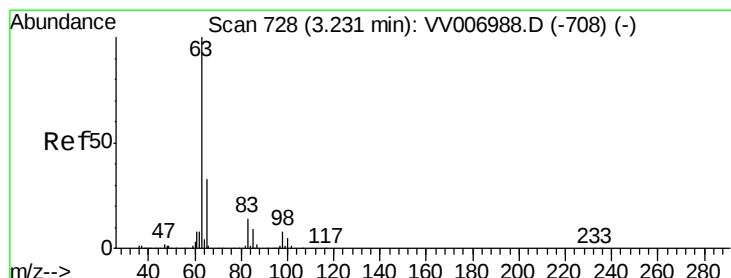
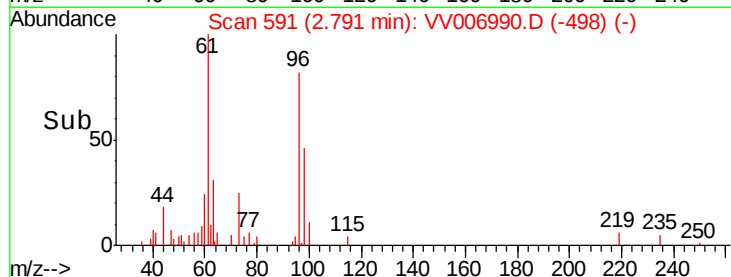
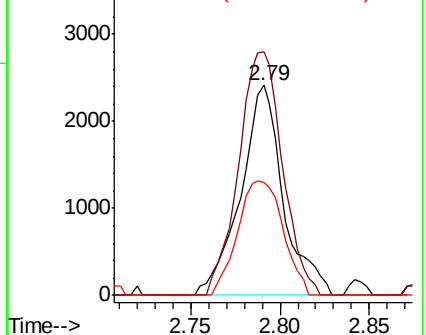
98 53.6 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV006988.D (-573) (-)

Ion 61.05 (60.75 to 61.75): VV006988.D (-573) (-)

Ion 97.95 (97.65 to 98.65): VV006988.D (-573) (-)



#19

1,1-Dichloroethane

Concen: 0.202 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

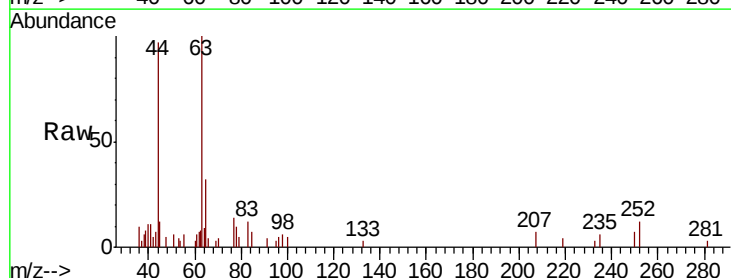
Tgt Ion: 63 Resp: 6954

Ion Ratio Lower Upper

63 100

65 36.0 21.7 40.3

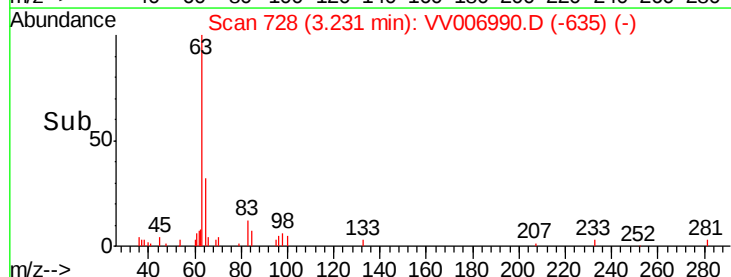
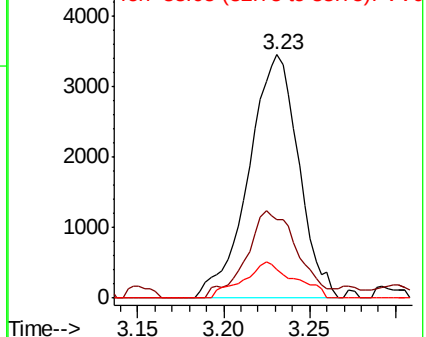
83 11.6 10.0 18.6

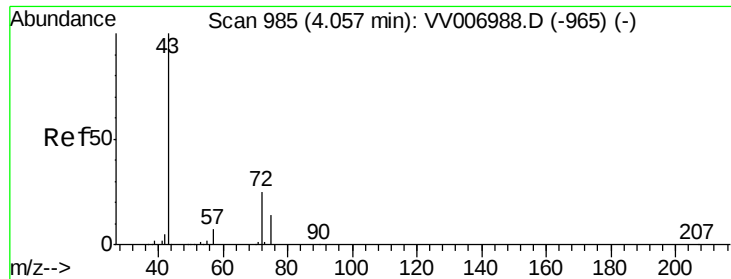


Abundance Ion 63.10 (62.80 to 63.80): VV006988.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VV006988.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VV006988.D (-708) (-)





#21

2-Butanone

Concen: 2.217 ug/L

RT: 4.06 min Scan# 987

Delta R.T. 0.01 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

Instrument :

MSVOA_V

ClientSampled :

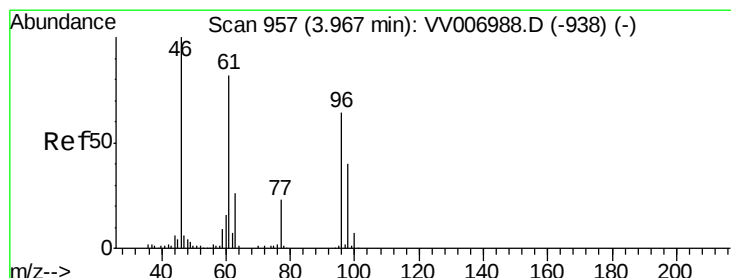
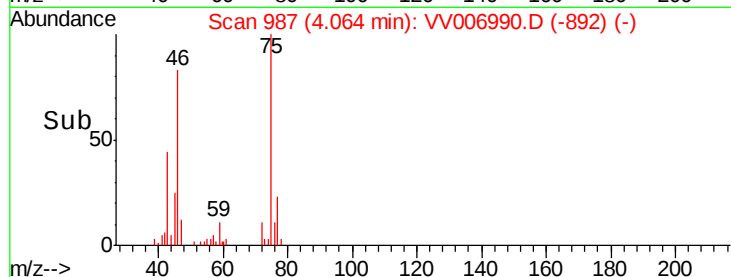
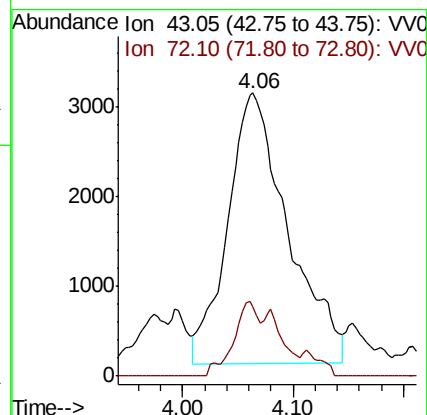
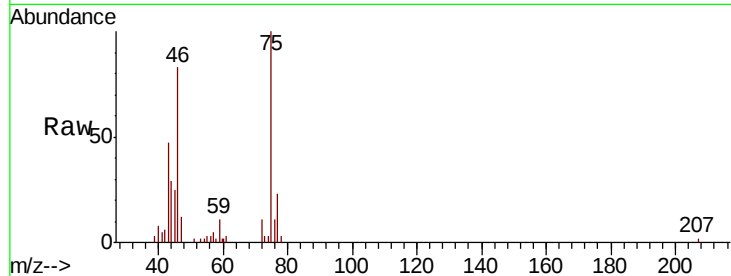
MDL01

Tot Ion: 43 Resp: 11413

Ion Ratio Lower Upper

43 100

72 11.5 12.4 37.2#



#22

cis-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

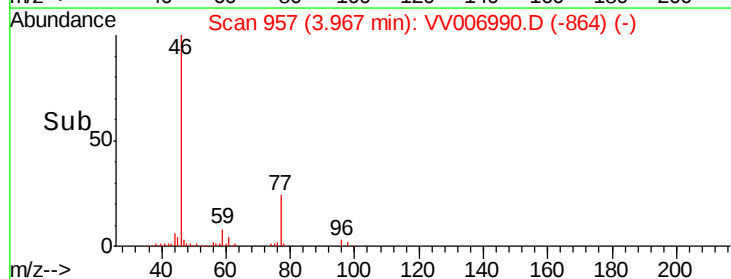
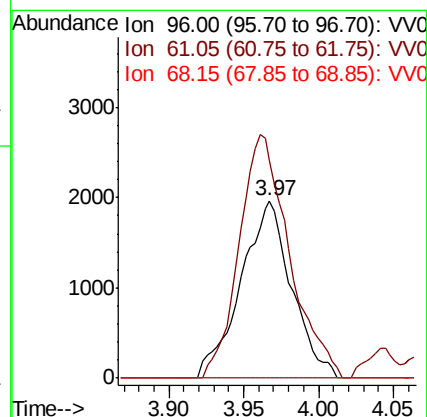
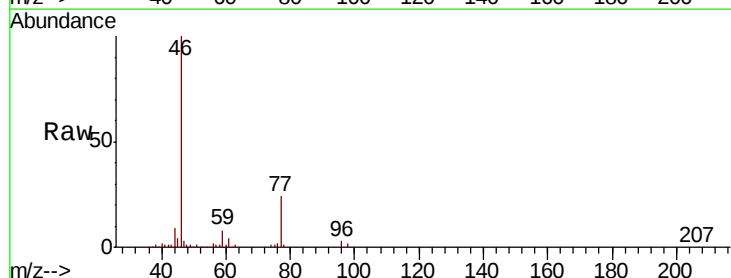
Tgt Ion: 96 Resp: 4620

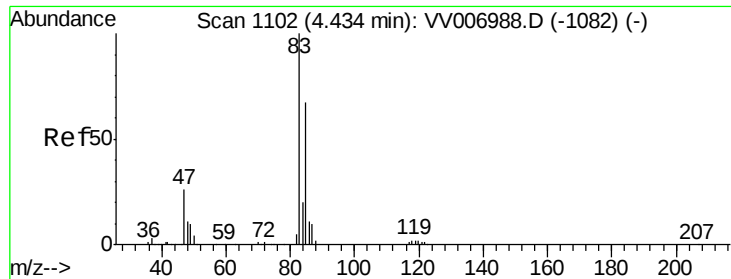
Ion Ratio Lower Upper

96 100

61 123.0 91.1 169.1

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.219 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

Instrument :

MSVOA_V

ClientSampleId :

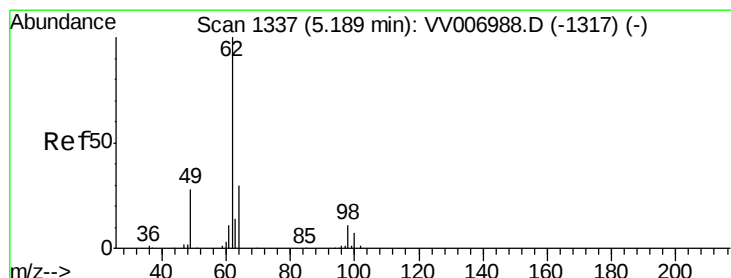
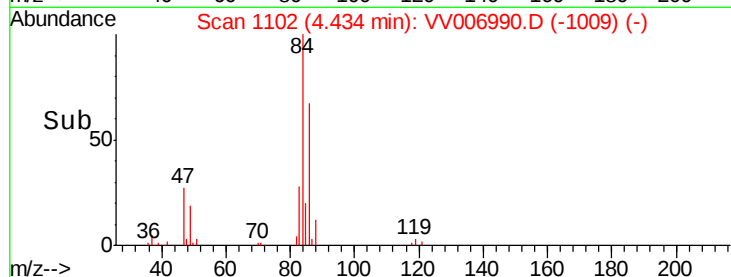
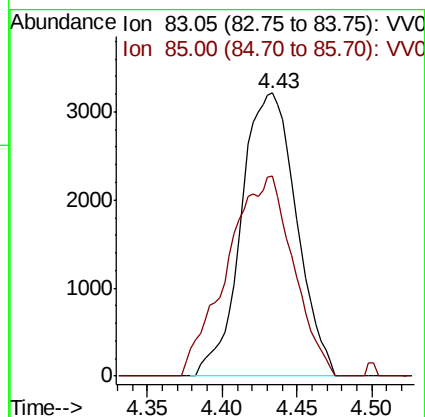
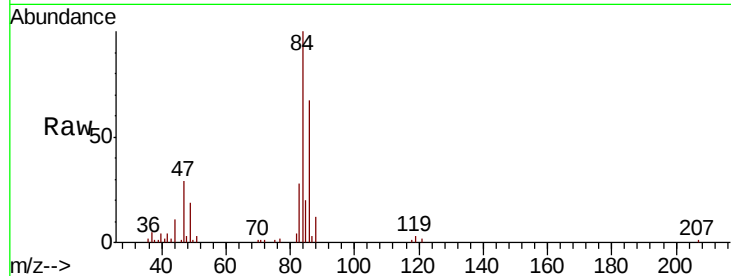
MDL01

Tot Ion: 83 Resp: 8239

Ion Ratio Lower Upper

83 100

85 70.7 44.7 82.9



#27

1,2-Dichloroethane

Concen: 0.208 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006990.D

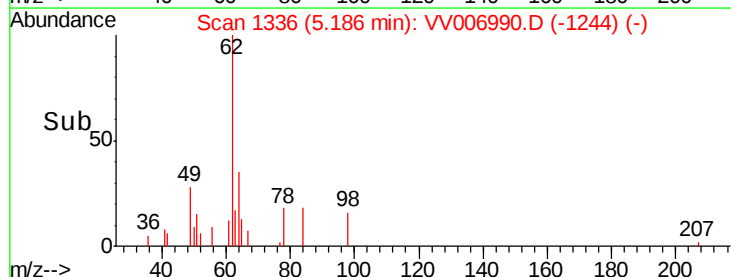
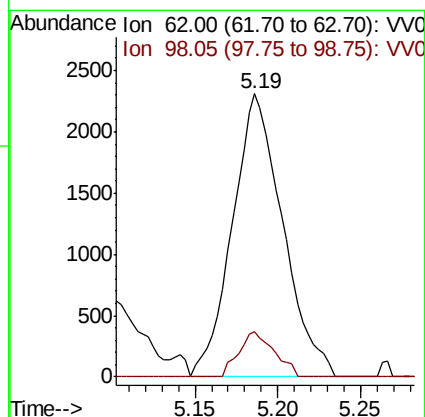
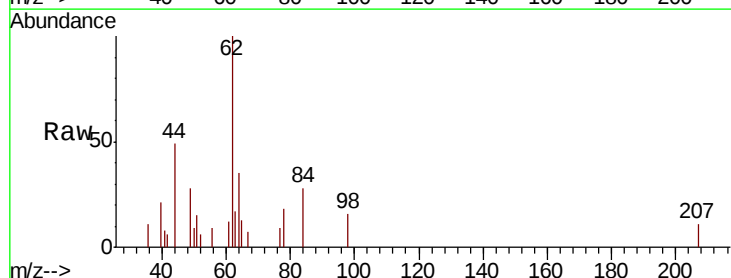
Acq: 10 Aug 2018 18:15

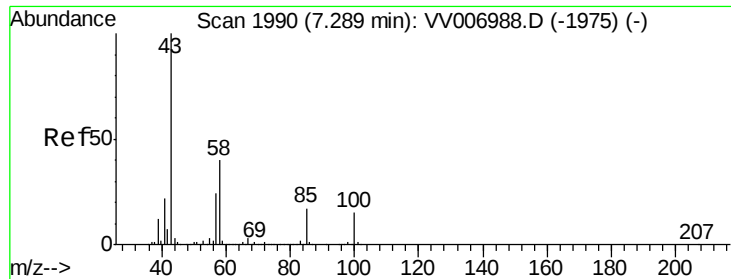
Tgt Ion: 62 Resp: 4878

Ion Ratio Lower Upper

62 100

98 16.1 7.6 11.4#

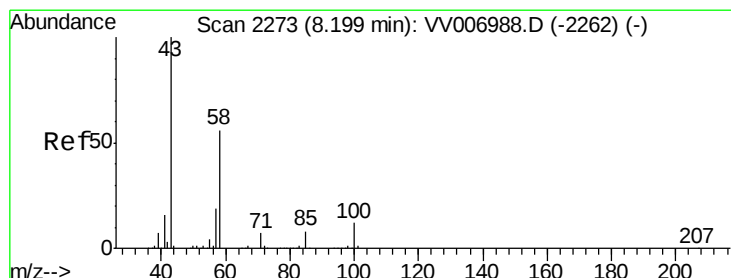
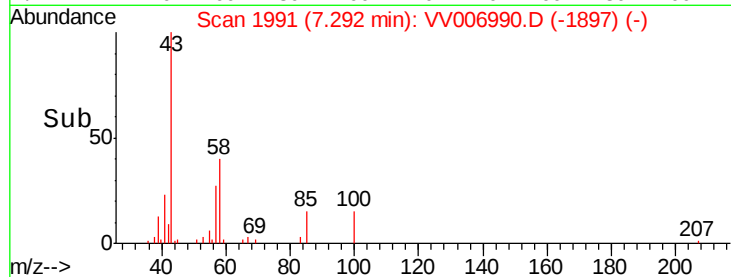
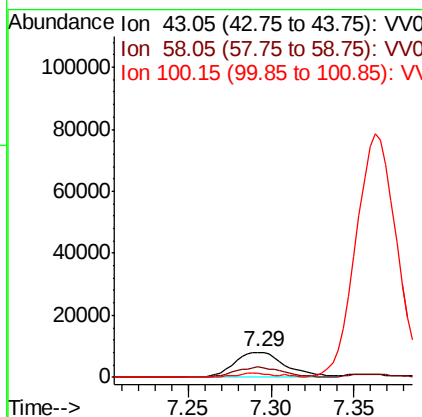
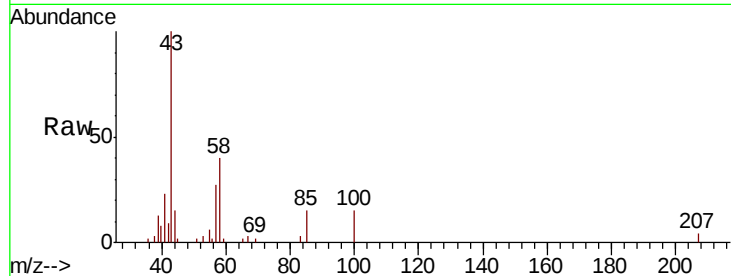




#40
4-Methyl-2-pentanone
Concen: 1.417 ug/L
RT: 7.29 min Scan# 1991
Delta R.T. 0.00 min
Lab File: VV006990.D
Acq: 10 Aug 2018 18:15

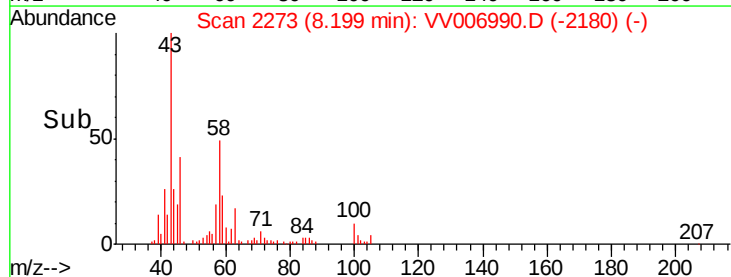
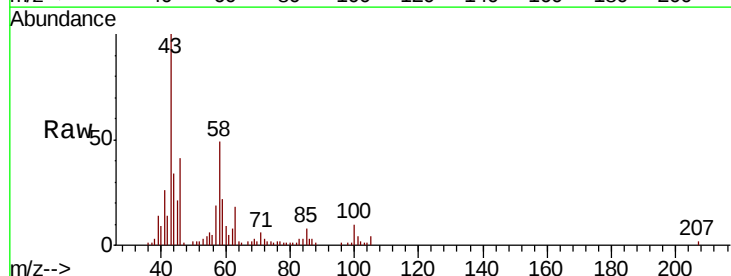
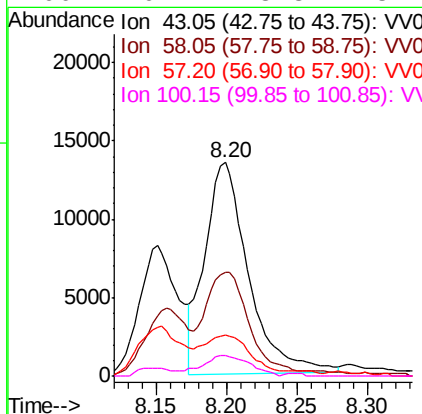
Instrument :
MSVOA_V
ClientSampleId :
MDL01

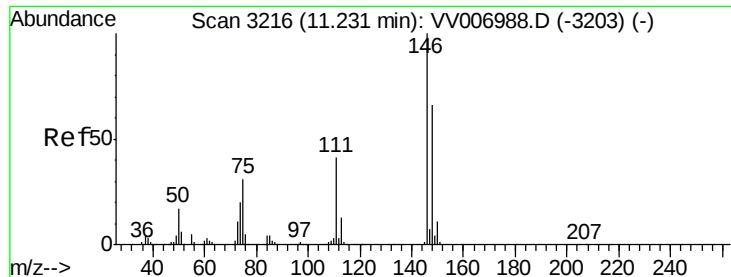
Tot Ion: 43 Resp: 17604
Ion Ratio Lower Upper
43 100
58 38.3 30.7 46.1
100 0.0 11.2 16.8#



#48
2-Hexanone
Concen: 3.324 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV006990.D
Acq: 10 Aug 2018 18:15

Tgt Ion: 43 Resp: 29117
Ion Ratio Lower Upper
43 100
58 46.3 44.2 66.2
57 18.6 14.8 22.2
100 10.7 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 0.201 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006990.D

Acq: 10 Aug 2018 18:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

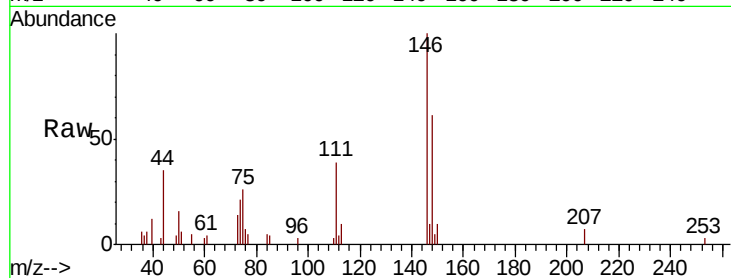
Tot Ion:146 Resp: 6410

Ion Ratio Lower Upper

146 100

111 38.8 28.1 52.3

148 60.6 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

