

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006996.D
 Acq On : 10 Aug 2018 20:55
 Operator : SY/MD
 Sample : MDL07
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Quant Time: Aug 11 00:22:03 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	252565	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	247114	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97582	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65249	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.58	69	60304	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	90682	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	3.97	46	260309	55.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.04%
24) Chloroform-d	4.41	84	155863	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.09	65	84126	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	285990	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.12	67	104027	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.36	98	208544	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.67	79	32014	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.15	63	136676	44.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.54%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82681	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	82776	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	4778	0.202	ug/L	97
6) Bromomethane	1.53	94	1104	0.208	ug/L	91
8) Chloroethane	1.60	64	3170	0.214	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4068	0.218	ug/L	89
12) 1,1-Dichloroethene	2.14	96	4043	0.223	ug/L #	1
13) Acetone	2.21	43	5761	2.386	ug/L	97
15) Methyl Acetate	2.47	43	1867	0.275	ug/L	97
16) Methylene chloride	2.54	84	7008	0.320	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	3969	0.204	ug/L	97
21) 2-Butanone	4.06	43	11178	2.133	ug/L	99
23) Bromochloromethane	4.30	128	1814	0.202	ug/L	72
25) Chloroform	4.43	83	7917	0.206	ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	18124	1.432	ug/L #	90
48) 2-Hexanone	8.20	43	38659	4.330	ug/L #	95
61) Bromoform	9.78	173	1536	0.208	ug/L #	92

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

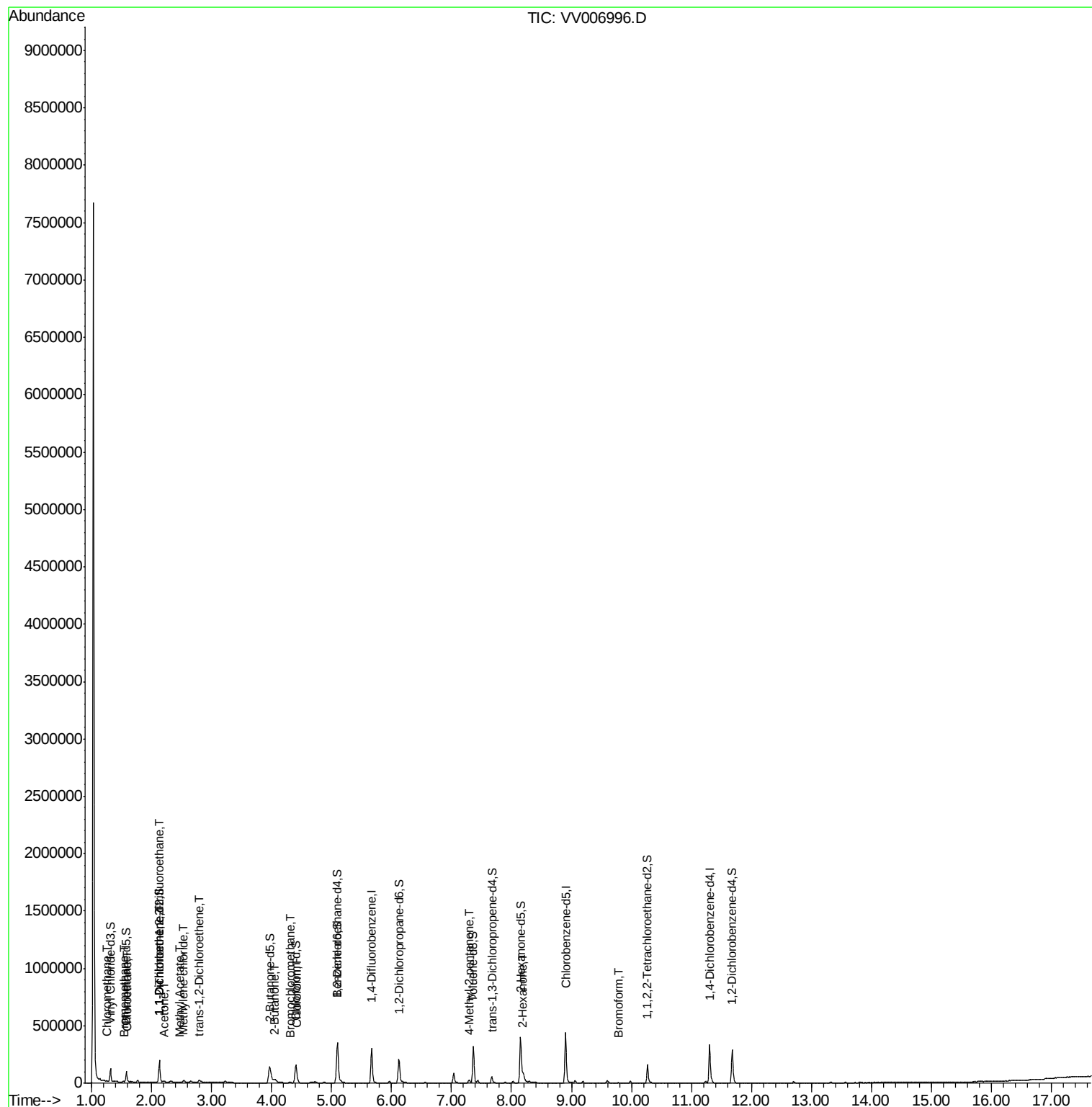
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

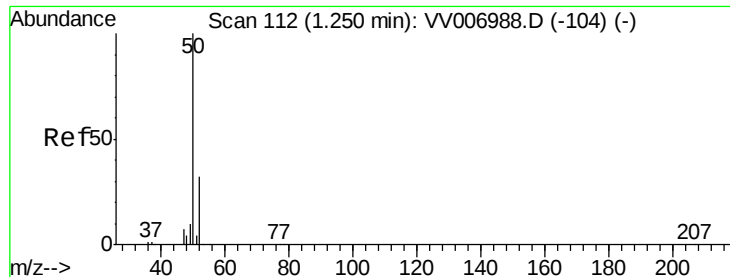
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.202 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

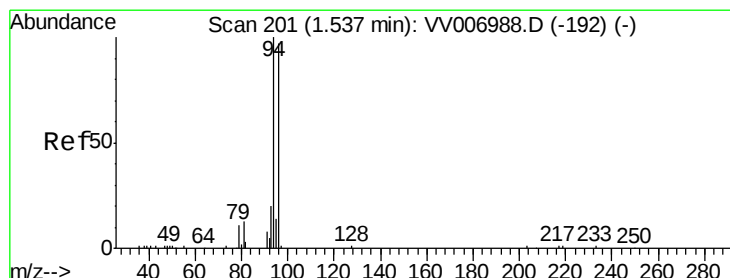
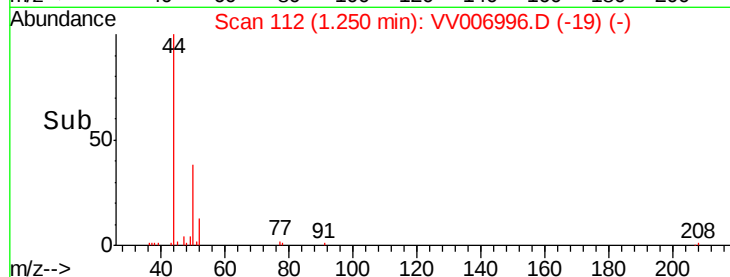
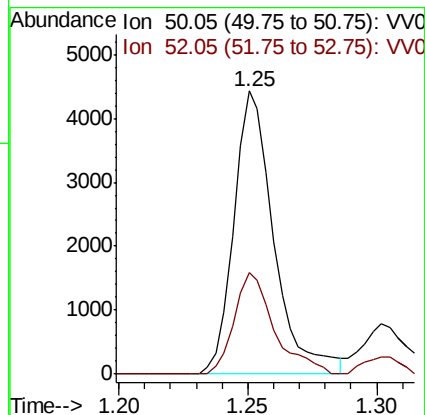
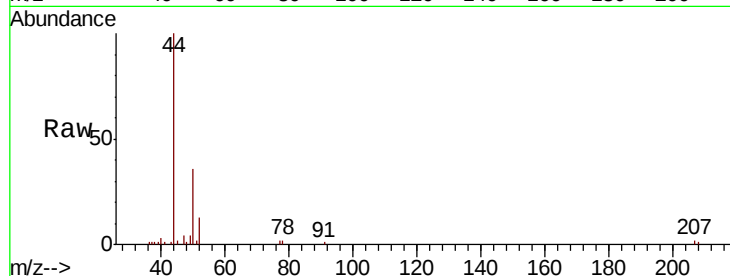
MDL07

Tot Ion: 50 Resp: 4778

Ion Ratio Lower Upper

50 100

52 35.7 23.6 43.8



#6

Bromomethane

Concen: 0.208 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006996.D

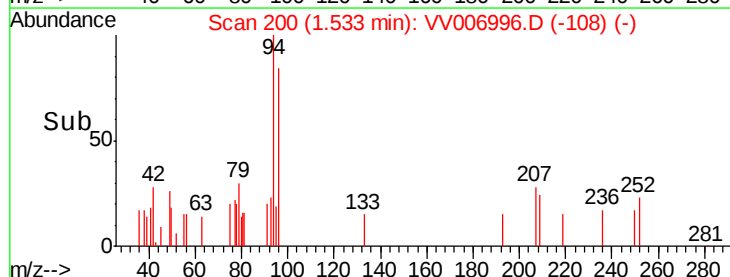
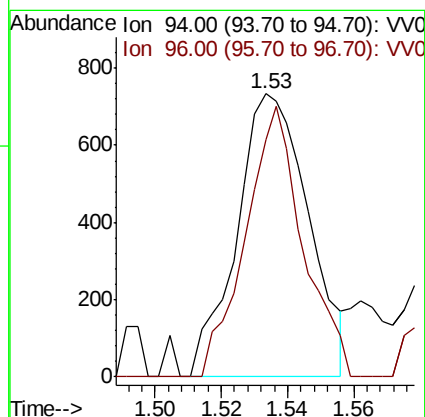
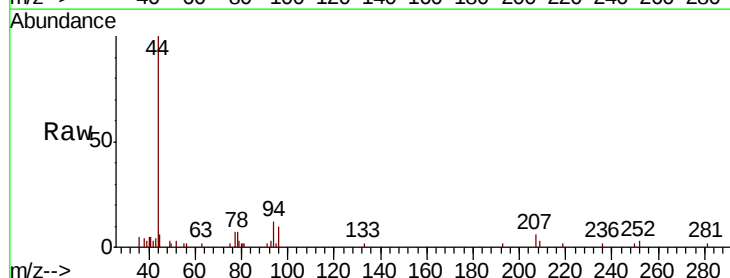
Acq: 10 Aug 2018 20:55

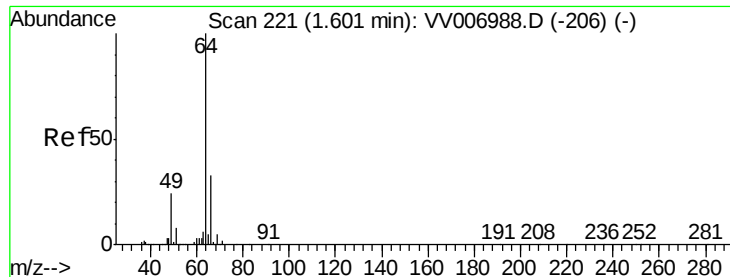
Tgt Ion: 94 Resp: 1104

Ion Ratio Lower Upper

94 100

96 84.0 65.0 120.6





#8

Chloroethane

Concen: 0.214 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

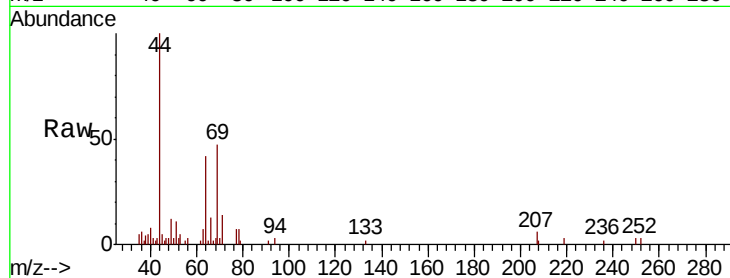
MDL07

Tot Ion: 64 Resp: 3170

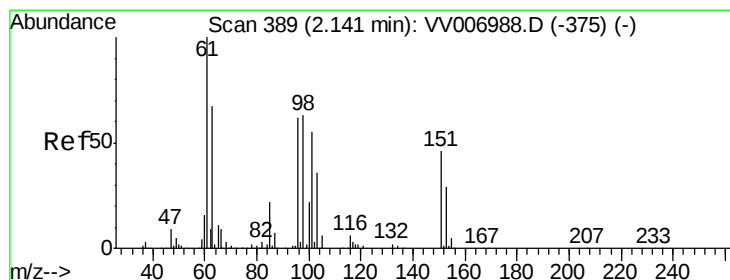
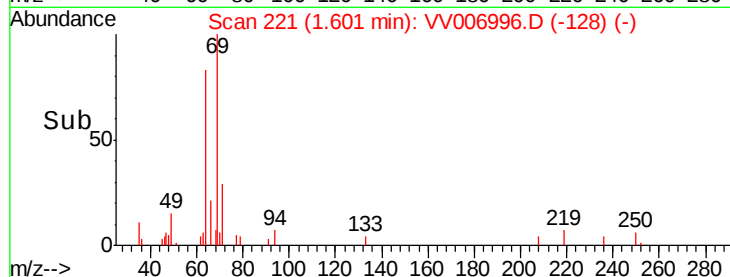
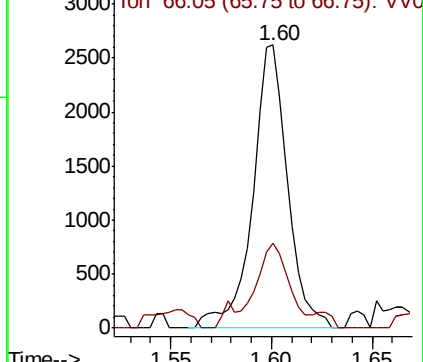
Ion Ratio Lower Upper

64 100

66 30.1 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006988.D (-206) (-)



#10

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

Concen: 0.218 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

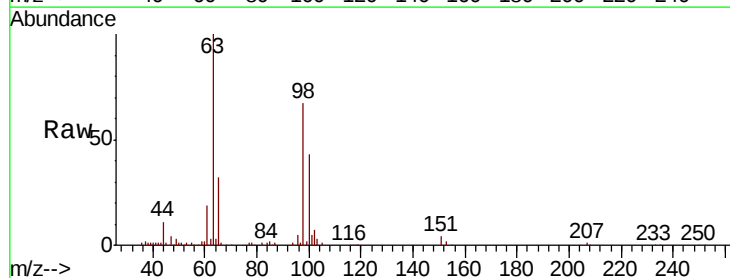
Tgt Ion: 101 Resp: 4068

Ion Ratio Lower Upper

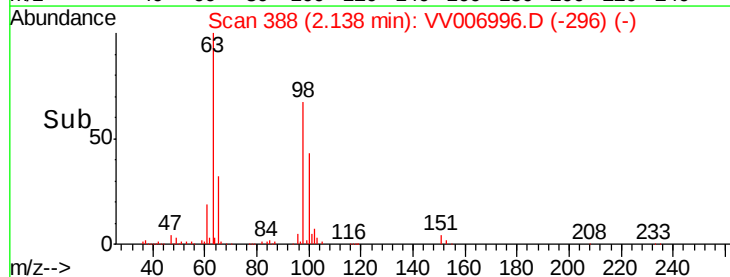
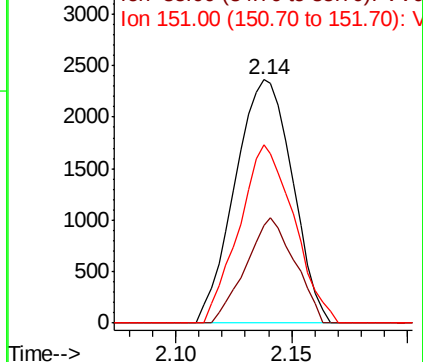
101 100

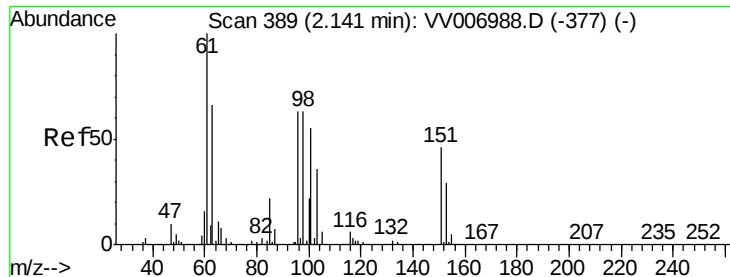
85 36.8 33.9 50.9

151 70.0 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV006988.D (-375) (-)





#12

1,1-Dichloroethene

Concen: 0.223 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

MDL07

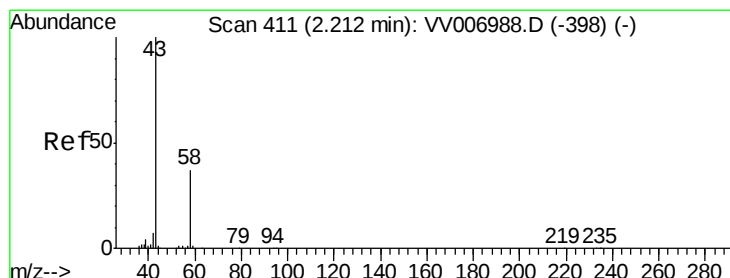
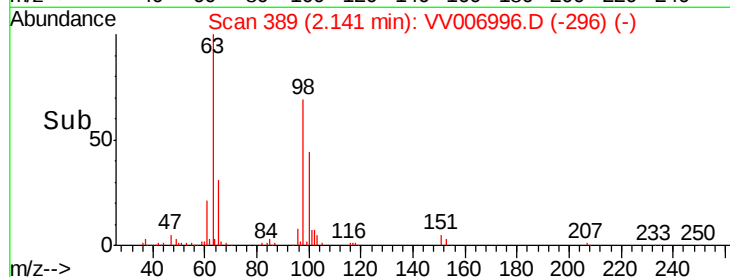
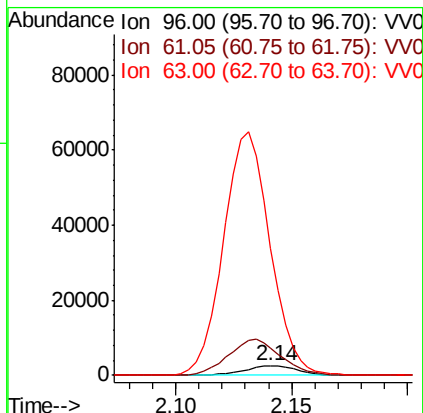
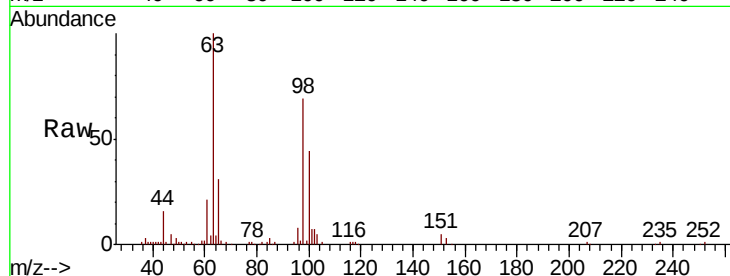
Tot Ion: 96 Resp: 4043

Ion Ratio Lower Upper

96 100

61 282.8 111.6 207.4#

63 1320.3 84.9 157.7#



#13

Acetone

Concen: 2.386 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV006996.D

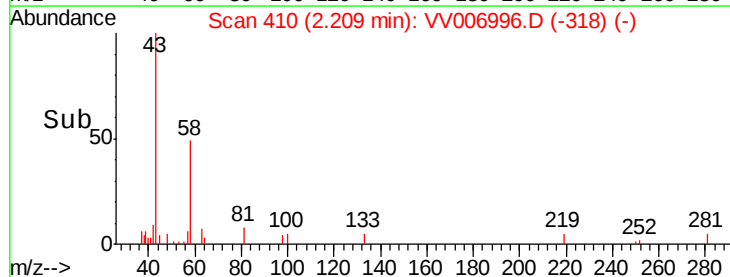
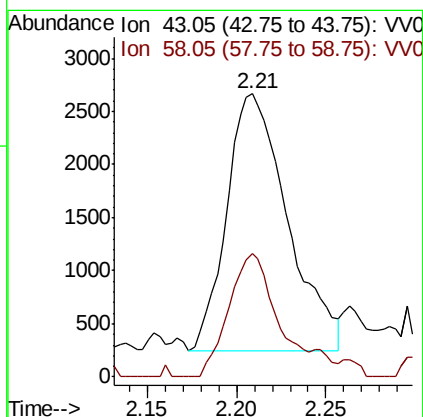
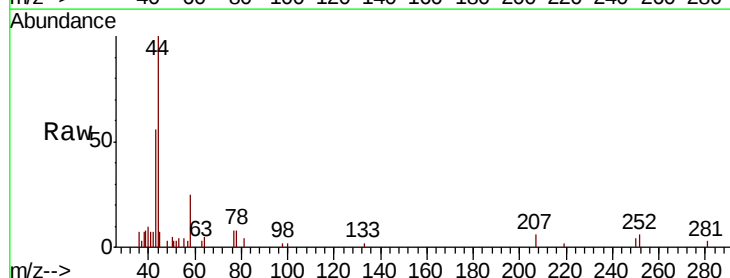
Acq: 10 Aug 2018 20:55

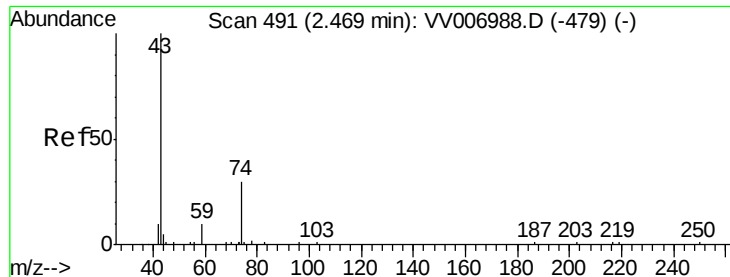
Tgt Ion: 43 Resp: 5761

Ion Ratio Lower Upper

43 100

58 37.7 0.0 71.4





#15

Methvl Acetate

Concen: 0.275 ug/L

RT: 2.47 min Scan# 491

Delta R.T. -0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

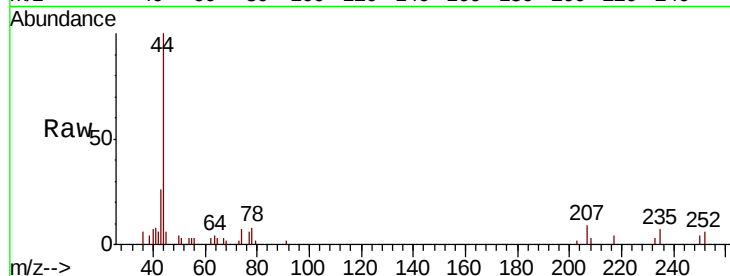
MDL07

Tot Ion: 43 Resp: 1867

Ion Ratio Lower Upper

43 100

74 29.0 24.6 37.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

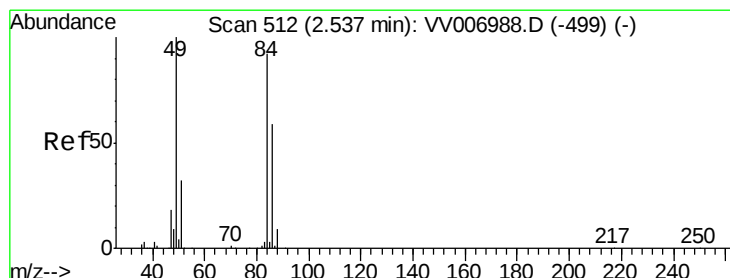
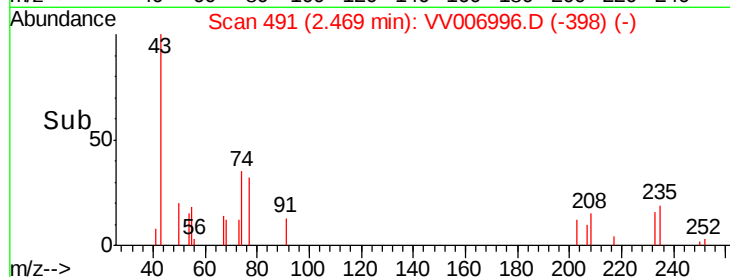
2.47

1000

500

0

Time--> 2.40 2.45 2.50



#16

Methylene chloride

Concen: 0.320 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

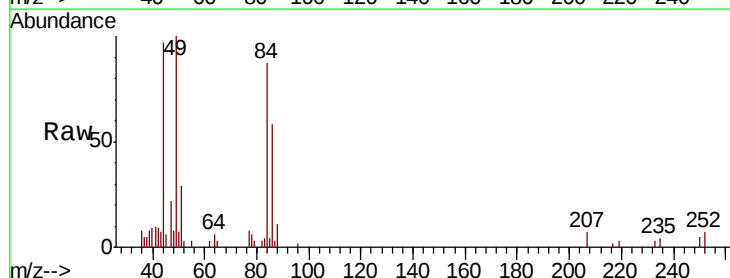
Tgt Ion: 84 Resp: 7008

Ion Ratio Lower Upper

84 100

86 66.4 45.7 84.9

49 114.8 78.8 146.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

6000

5000

4000

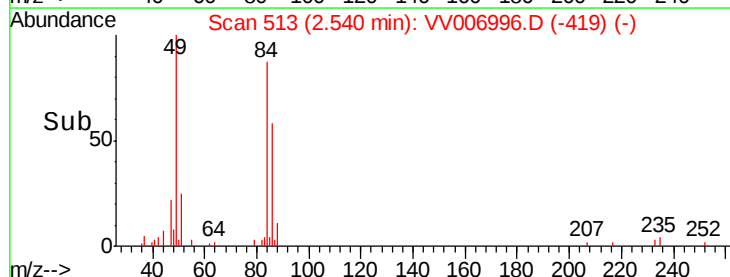
3000

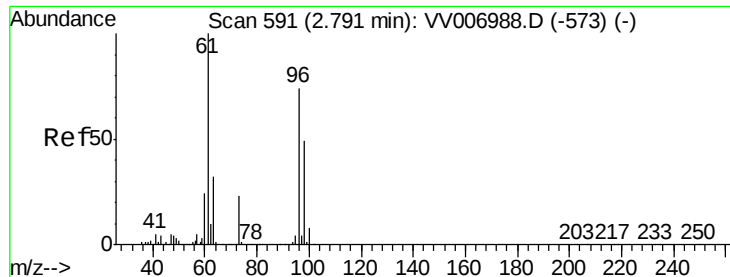
2000

1000

0

Time--> 2.50 2.55 2.60





#18

trans-1,2-Dichloroethene

Concen: 0.204 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006996.D

Acq: 10 Aug 2018 20:55

Instrument :

MSVOA_V

ClientSampleId :

MDL07

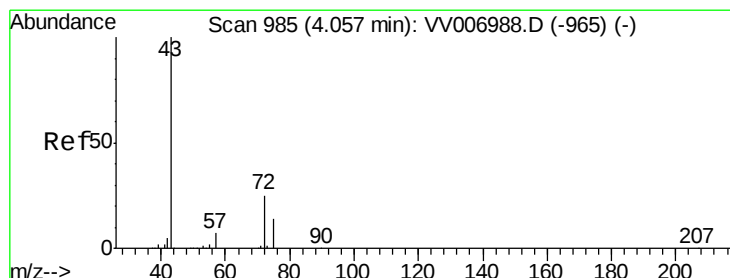
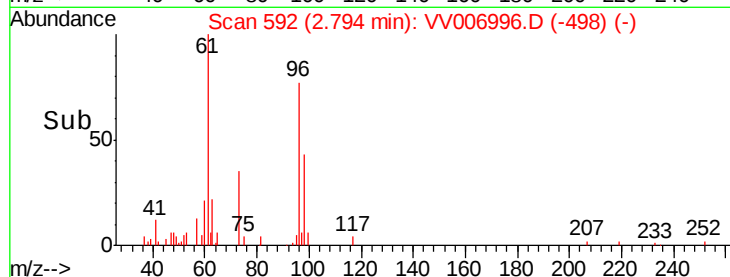
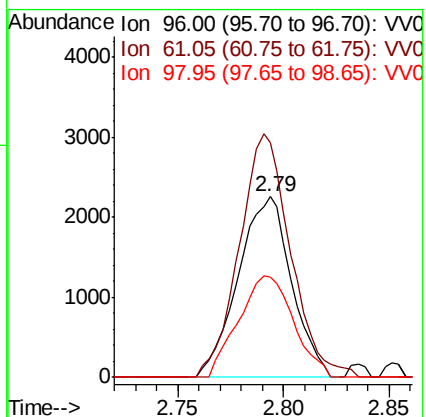
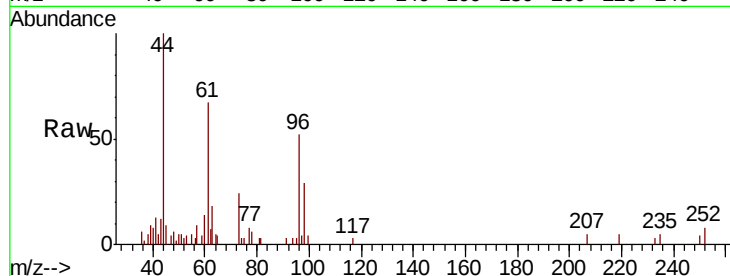
Tot Ion: 96 Resp: 3969

Ion Ratio Lower Upper

96 100

61 129.6 91.1 169.3

98 55.4 43.5 80.9



#21

2-Butanone

Concen: 2.133 ug/L

RT: 4.06 min Scan# 986

Delta R.T. 0.00 min

Lab File: VV006996.D

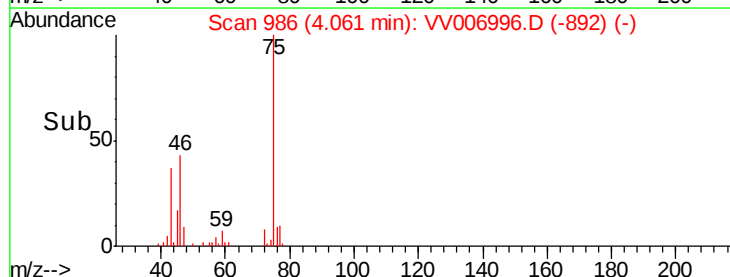
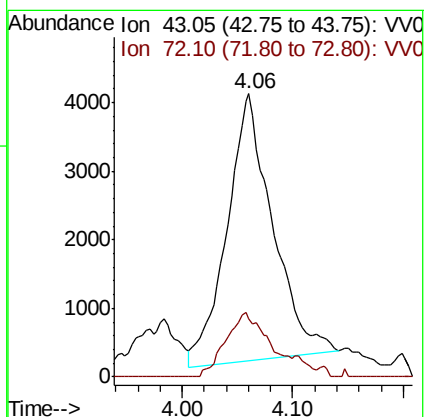
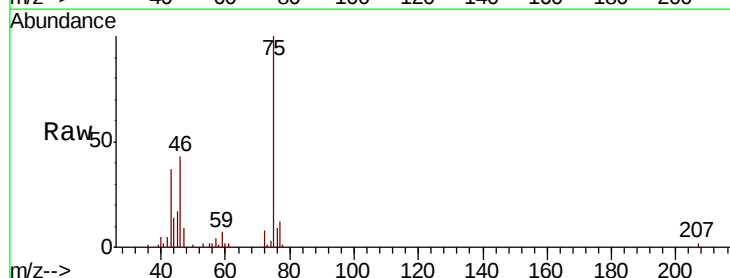
Acq: 10 Aug 2018 20:55

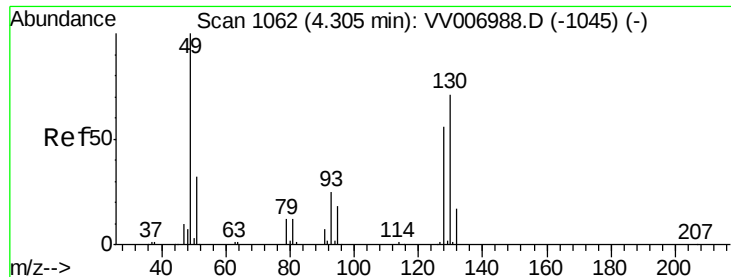
Tgt Ion: 43 Resp: 11178

Ion Ratio Lower Upper

43 100

72 25.3 12.4 37.2

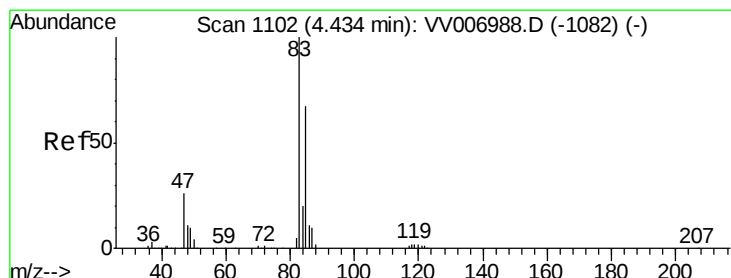
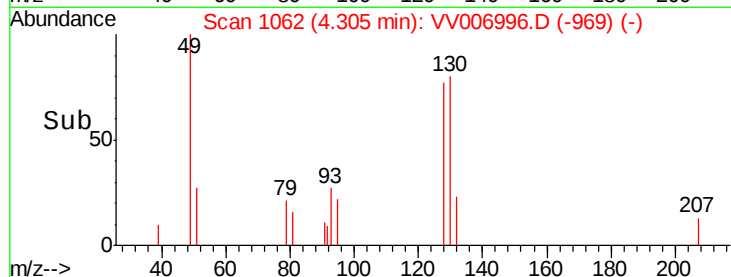
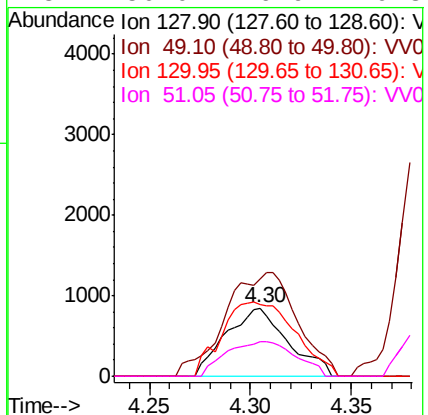
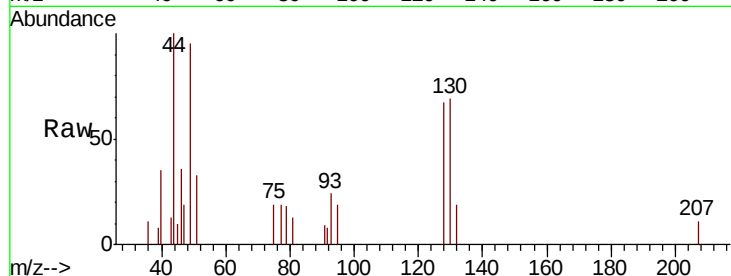




#23
 Bromochloromethane
 Concen: 0.202 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

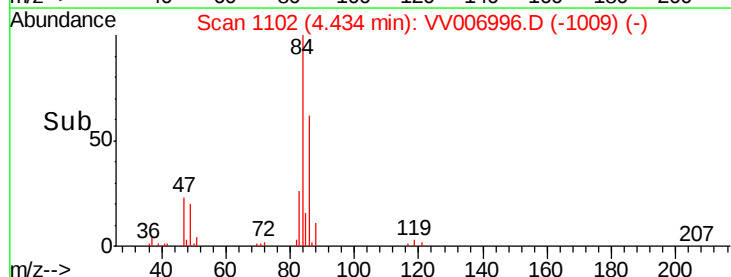
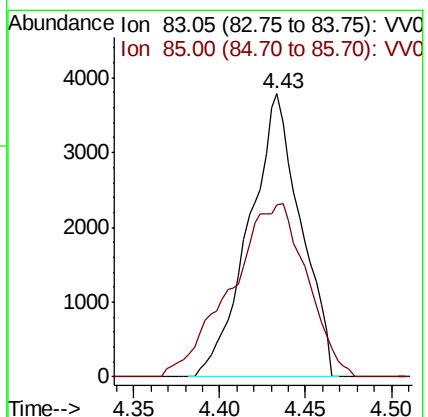
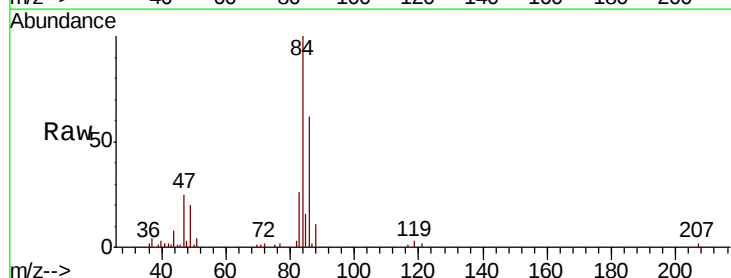
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

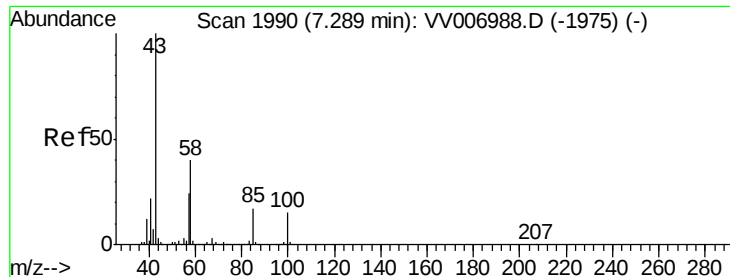
Tot Ion:128 Resp: 1814
 Ion Ratio Lower Upper
 128 100
 49 142.1 138.6 257.4
 130 104.1 90.0 167.2
 51 50.0 46.9 70.3



#25
 Chloroform
 Concen: 0.206 ug/L
 RT: 4.43 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Tgt Ion: 83 Resp: 7917
 Ion Ratio Lower Upper
 83 100
 85 60.7 44.7 82.9

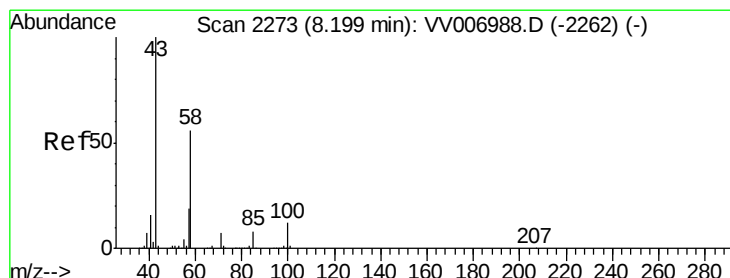
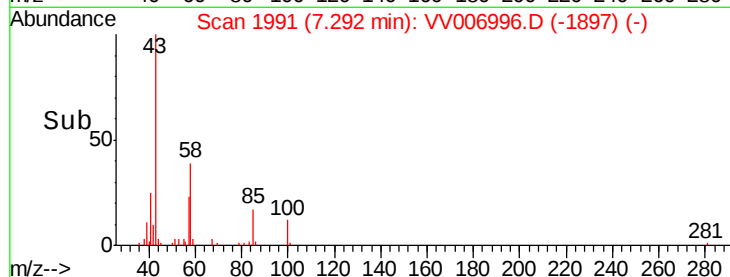
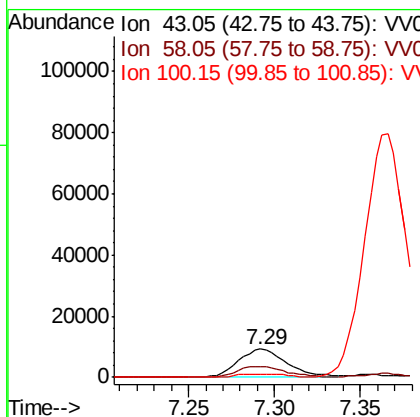
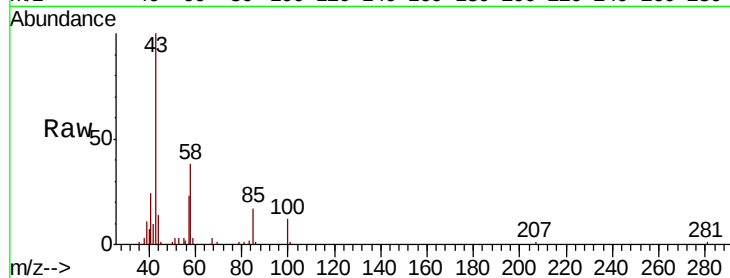




#40
4-Methyl-2-pentanone
Concen: 1.432 ug/L
RT: 7.29 min Scan# 1991
Delta R.T. 0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

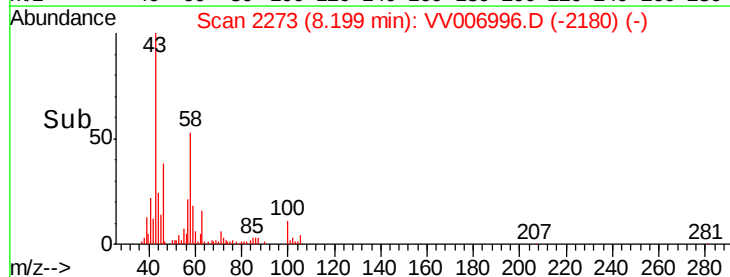
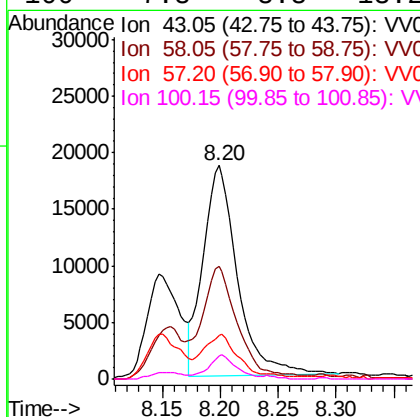
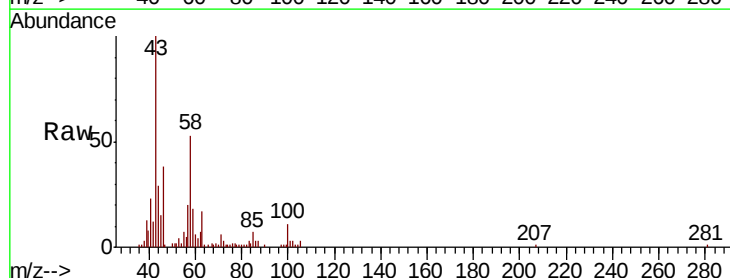
Instrument :
MSVOA_V
ClientSampleId :
MDL07

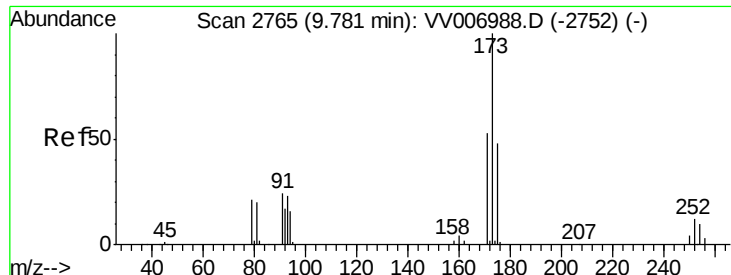
Tot Ion: 43 Resp: 18124
Ion Ratio Lower Upper
43 100
58 39.1 30.7 46.1
100 0.0 11.2 16.8#



#48
2-Hexanone
Concen: 4.330 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006996.D
Acq: 10 Aug 2018 20:55

Tgt Ion: 43 Resp: 38659
Ion Ratio Lower Upper
43 100
58 51.7 44.2 66.2
57 18.0 14.8 22.2
100 7.8 8.8 13.2#





#61
 Bromoform
 Concen: 0.208 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006996.D
 Acq: 10 Aug 2018 20:55

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion:173 Resp: 1536
 Ion Ratio Lower Upper
 173 100
 175 43.2 39.3 58.9
 254 7.5 8.3 12.5#

