

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004161.D
 Acq On : 20 Aug 2018 18:54
 Operator : JC/MD
 Sample : J4539-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MS-RO-27186

Quant Time: Aug 21 02:10:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449929	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	447788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	256559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	203351	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
35) Dibromofluoromethane	5.50	113	171633	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	8.71	98	659427	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.14	95	236306	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

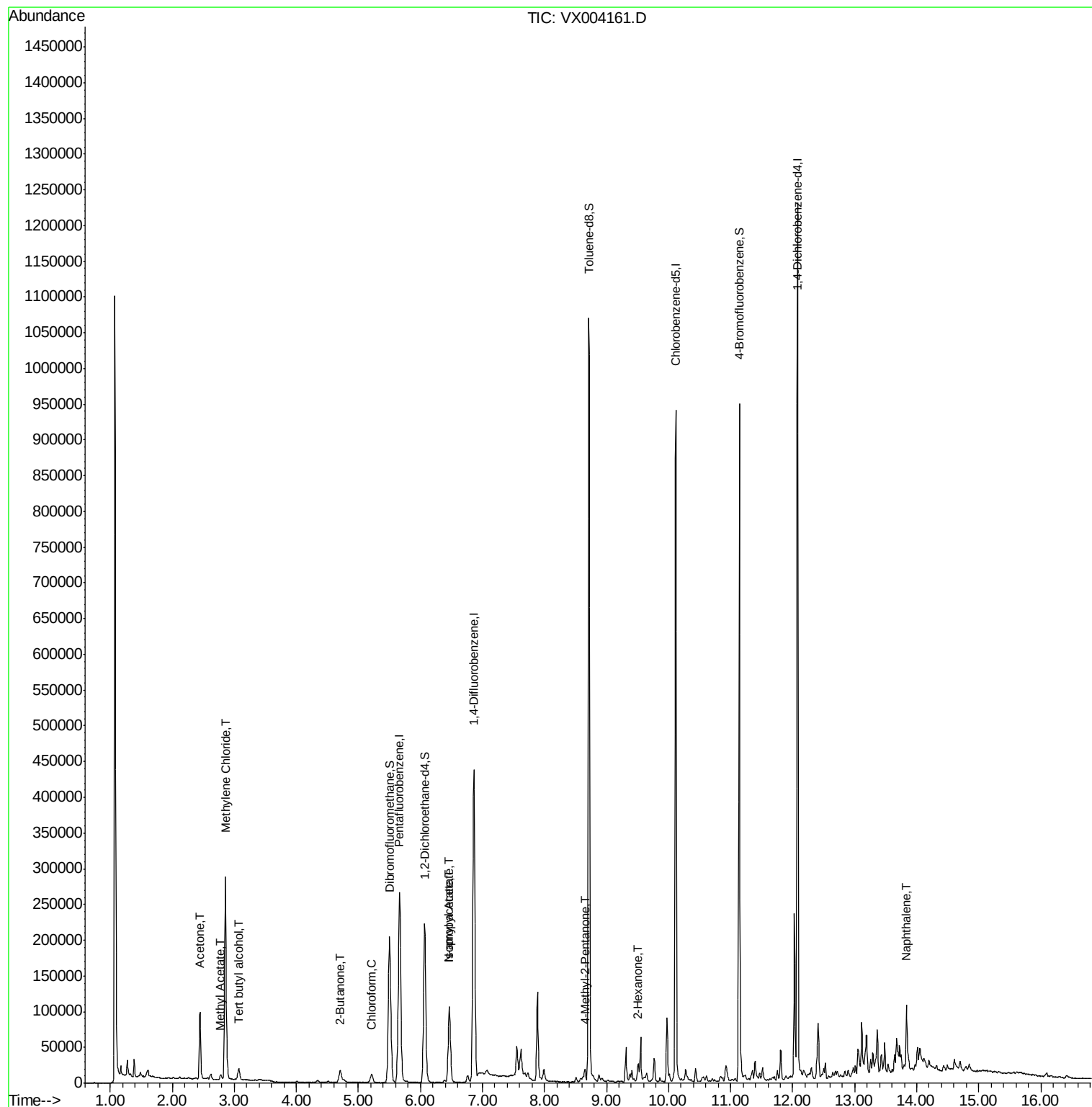
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	20607	26.87	ug/l	98
16) Acetone	2.45	43	99807	50.40	ug/l	98
18) Methyl Acetate	2.78	43	7672	1.74	ug/l	97
20) Methylene Chloride	2.86	84	132696	40.89	ug/l	98
25) 2-Butanone	4.71	43	31161	9.67	ug/l	98
30) Chloroform	5.21	83	13363	2.28	ug/l	95
43) Isopropyl Acetate	6.46	43	138918	16.90	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	10793	1.60	ug/l	97
59) 2-Hexanone	9.50	43	10023	1.98	ug/l	75
74) N-amyl acetate	6.46	43	138918	17.01	ug/l #	99
95) Naphthalene	13.83	128	51609	3.96	ug/l	97

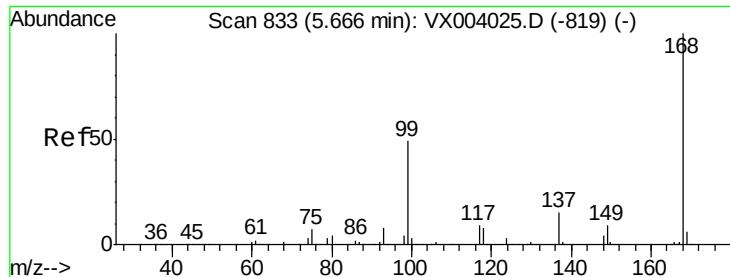
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082018\
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Quant Time: Aug 21 02:10:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

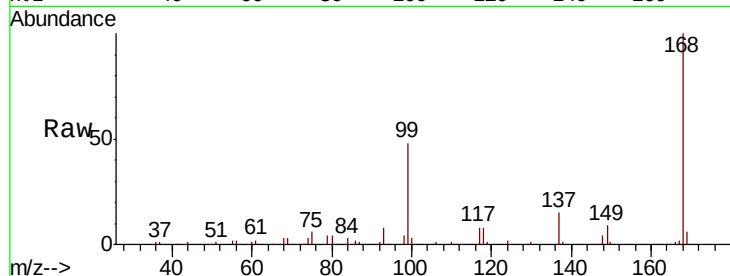
MS-RO-27186

Tot Ion:168 Resp: 270332

Ion Ratio Lower Upper

168 100

99 48.0 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

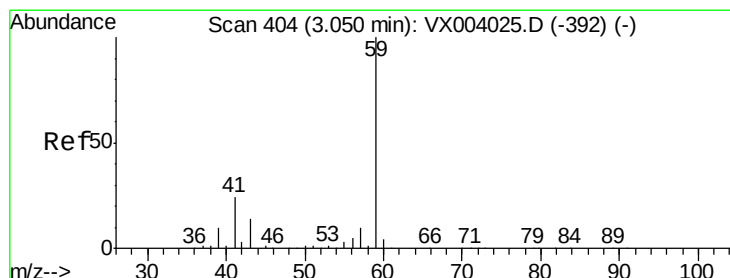
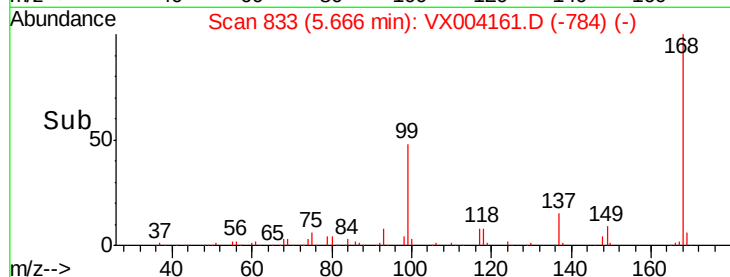
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 26.87 ug/l

RT: 3.07 min Scan# 407

Delta R.T. 0.02 min

Lab File: VX004161.D

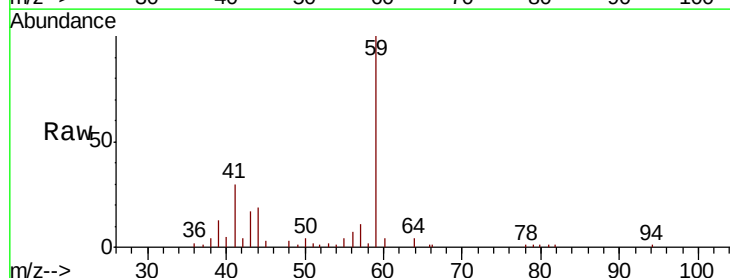
Acq: 20 Aug 2018 18:54

Tgt Ion: 59 Resp: 20607

Ion Ratio Lower Upper

59 100

57 11.0 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

10000

8000

6000

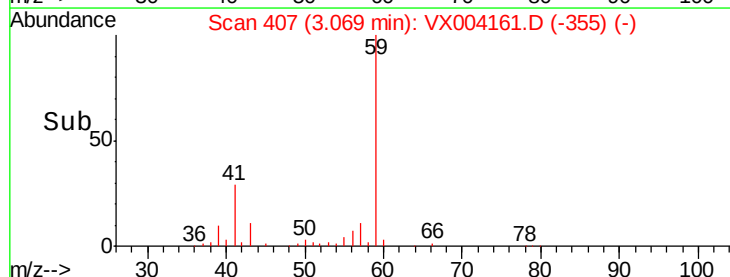
4000

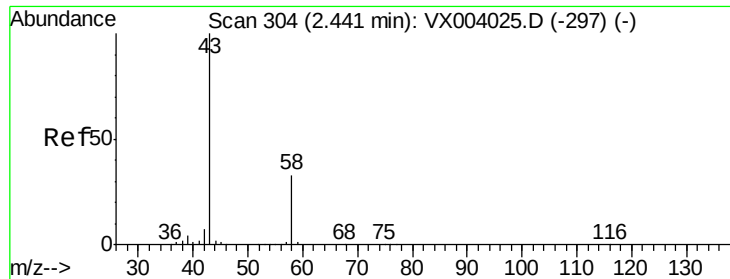
2000

0

Time-->

2.90 3.00 3.10 3.20





#16

Acetone

Concen: 50.40 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

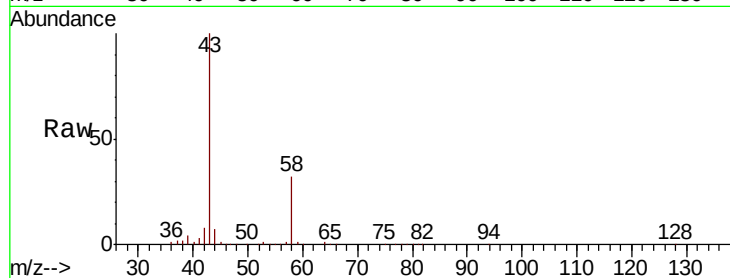
MS-RO-27186

Tot Ion: 43 Resp: 99807

Ion Ratio Lower Upper

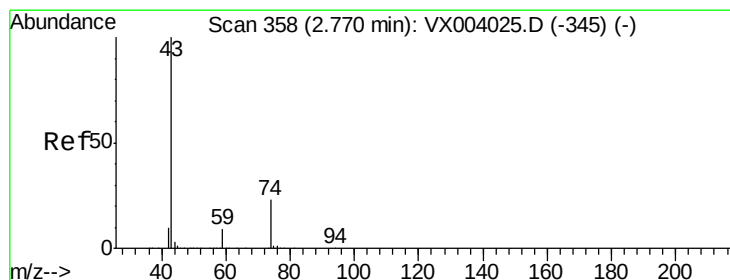
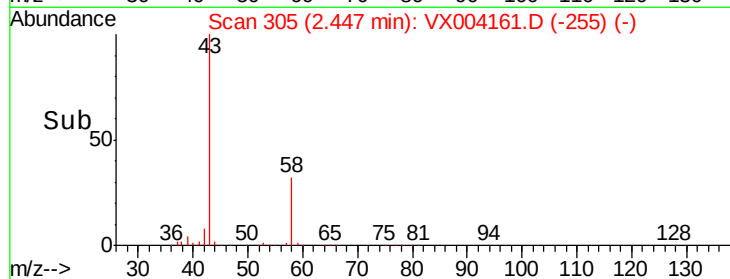
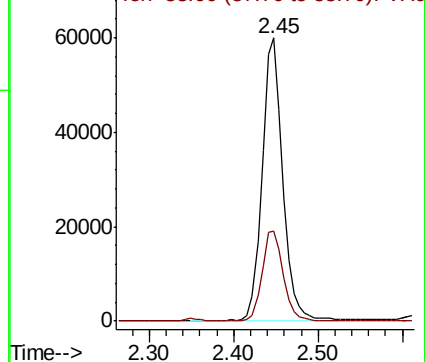
43 100

58 31.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.74 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004161.D

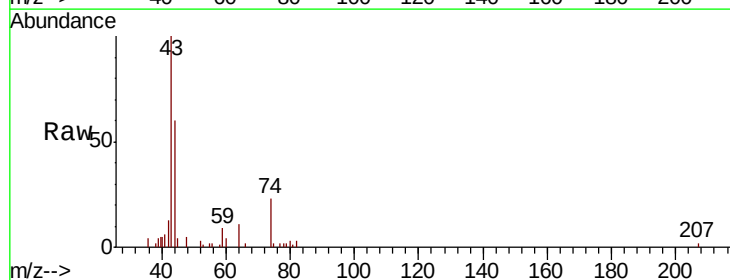
Acq: 20 Aug 2018 18:54

Tgt Ion: 43 Resp: 7672

Ion Ratio Lower Upper

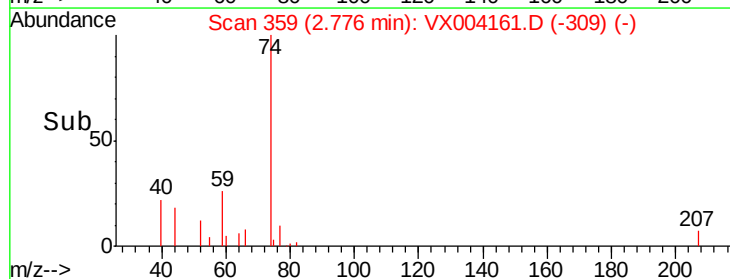
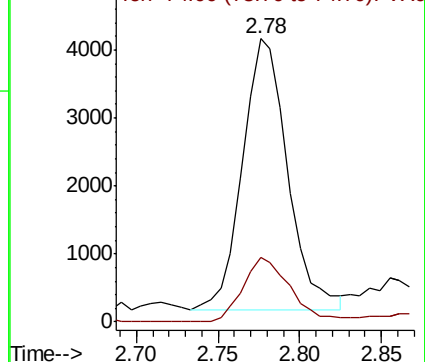
43 100

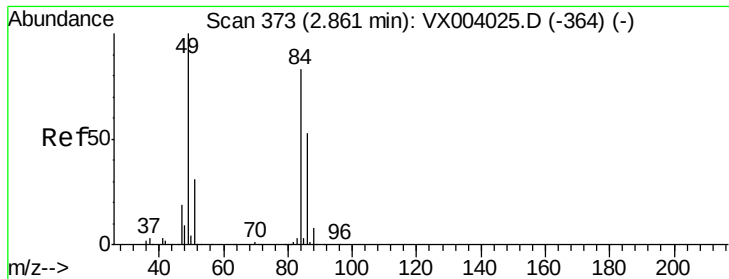
74 24.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



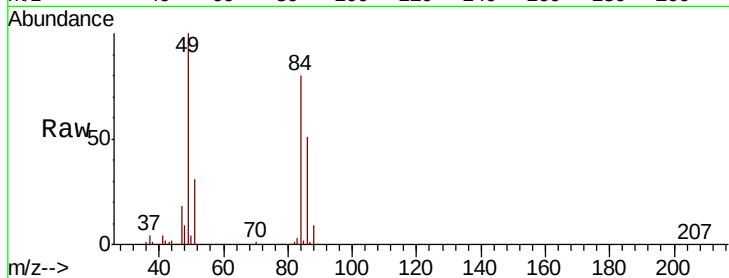


#20
Methvlene Chloride
Concen: 40.89 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004161.D
Acq: 20 Aug 2018 18:54

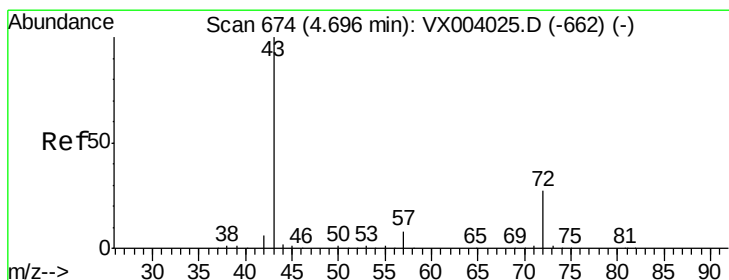
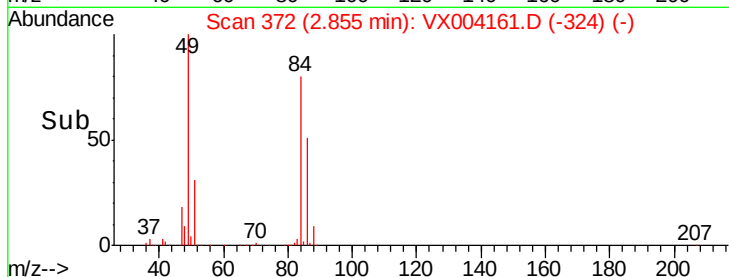
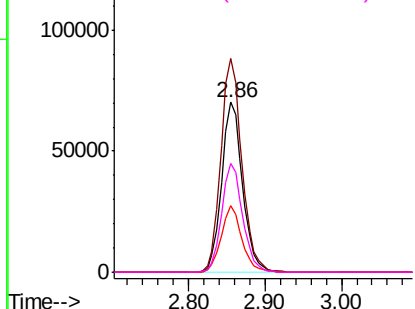
Instrument :
MSVOA_X
ClientSampleId :
MS-RO-27186

Tot Ion: 84 Resp: 132696

Ion	Ratio	Lower	Upper
84	100		
49	125.7	98.9	148.3
51	39.4	29.9	44.9
86	64.3	51.0	76.6



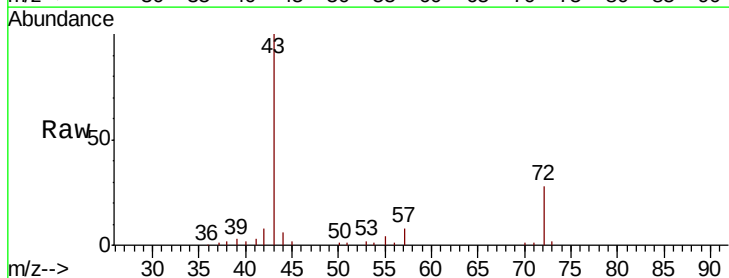
Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0



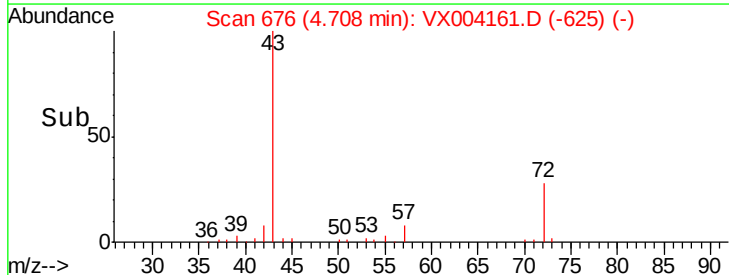
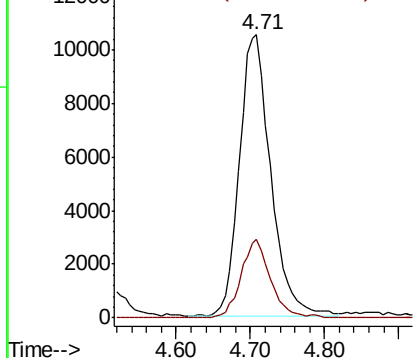
#25
2-Butanone
Concen: 9.67 ug/l
RT: 4.71 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX004161.D
Acq: 20 Aug 2018 18:54

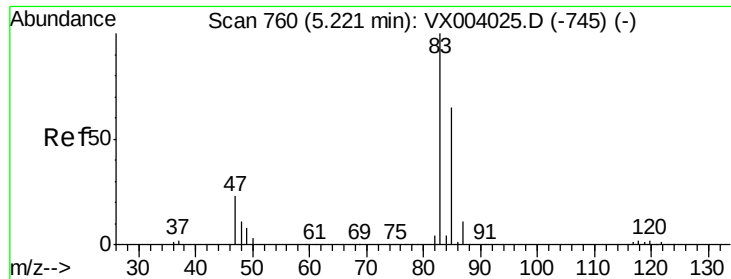
Tgt Ion: 43 Resp: 31161

Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.4	32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

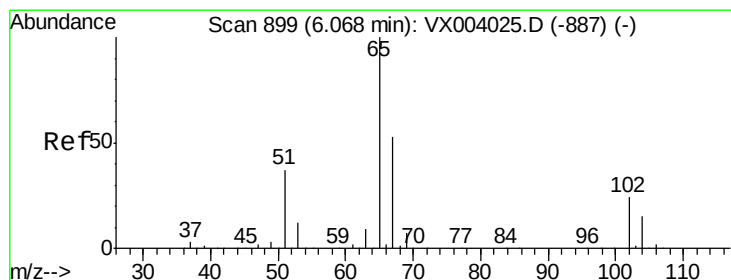
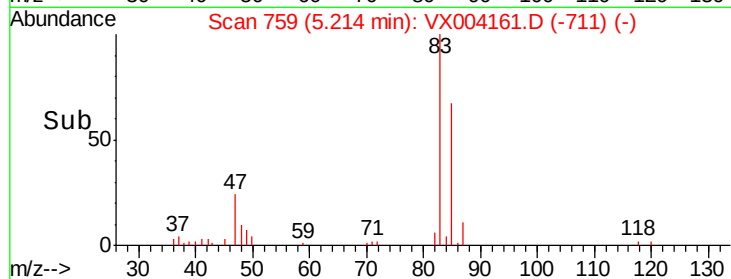
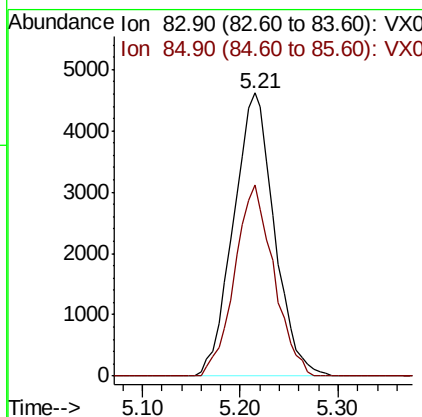
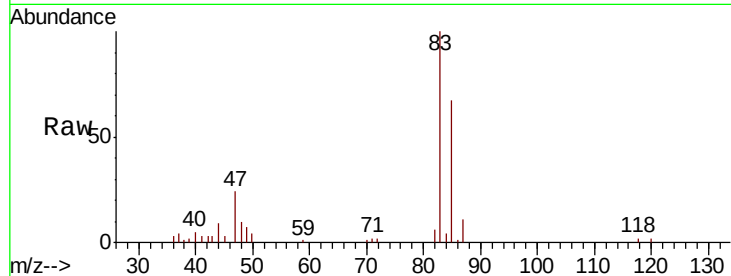




#30
Chloroform
Concen: 2.28 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004161.D
Acq: 20 Aug 2018 18:54

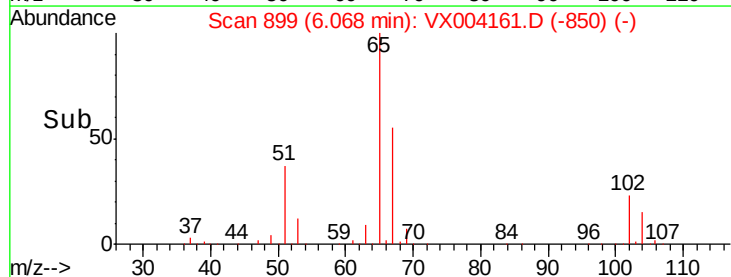
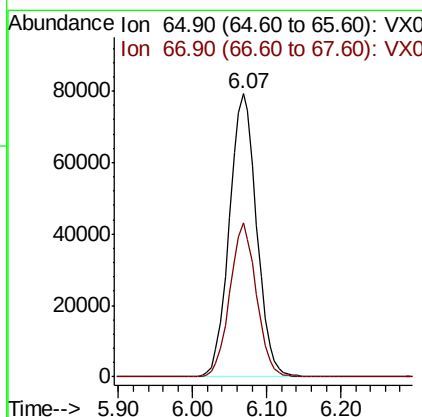
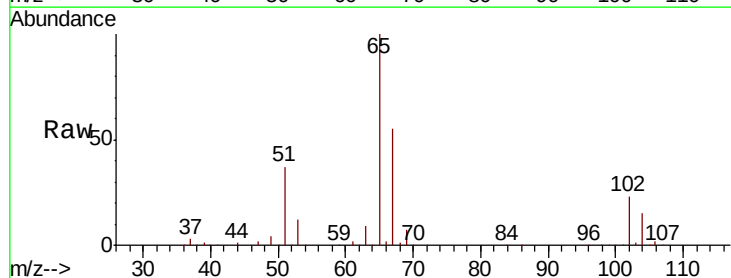
Instrument :
MSVOA_X
ClientSampleId :
MS-RO-27186

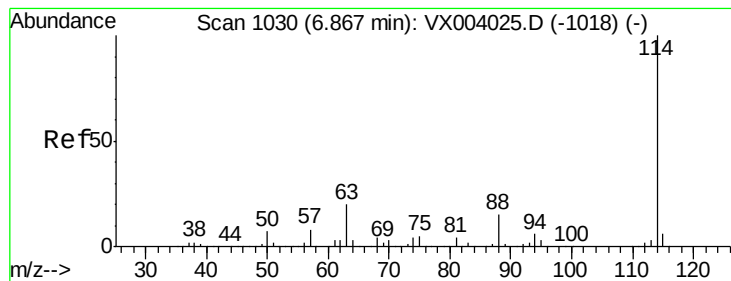
Tot Ion: 83 Resp: 13363
Ion Ratio Lower Upper
83 100
85 67.5 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 53.39 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004161.D
Acq: 20 Aug 2018 18:54

Tgt Ion: 65 Resp: 203351
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

MS-RO-27186

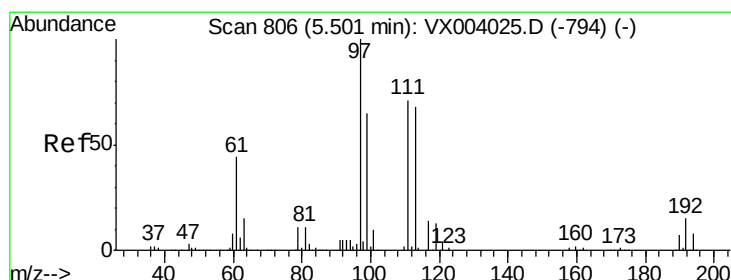
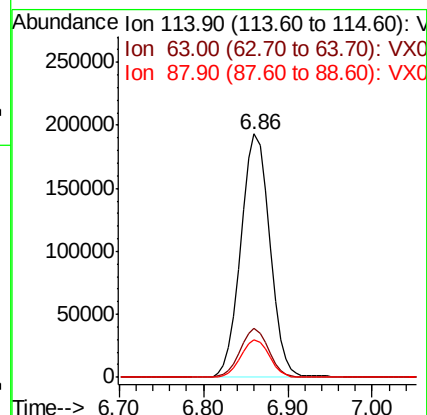
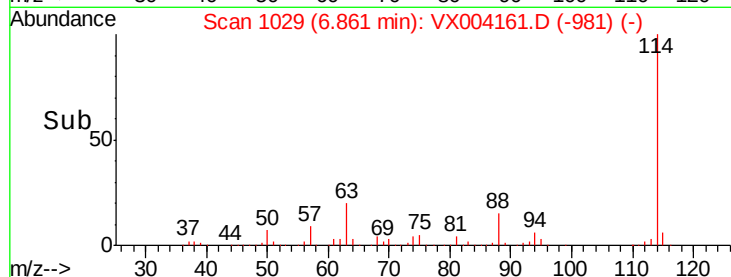
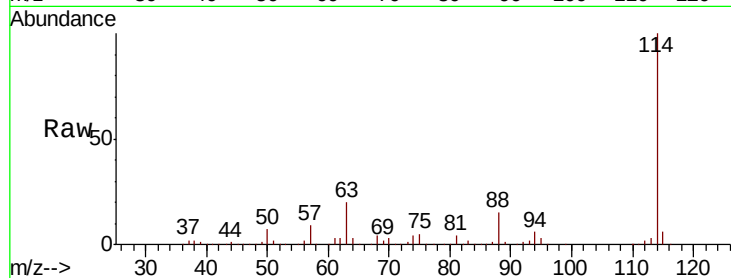
Tot Ion:114 Resp: 449929

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

88 15.2 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.97 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

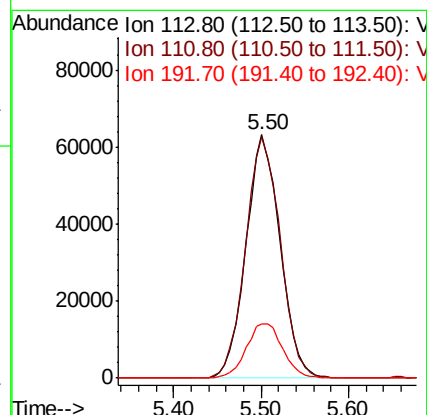
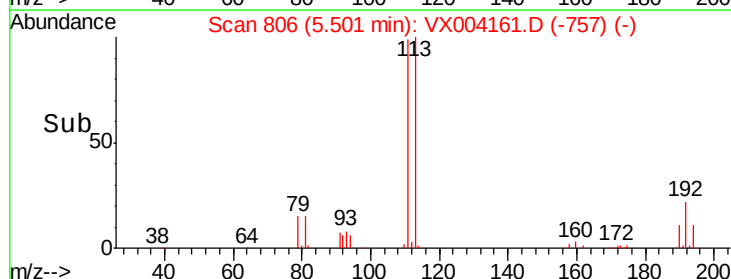
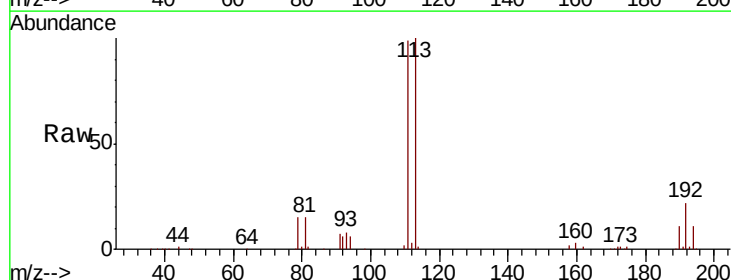
Tgt Ion:113 Resp: 171633

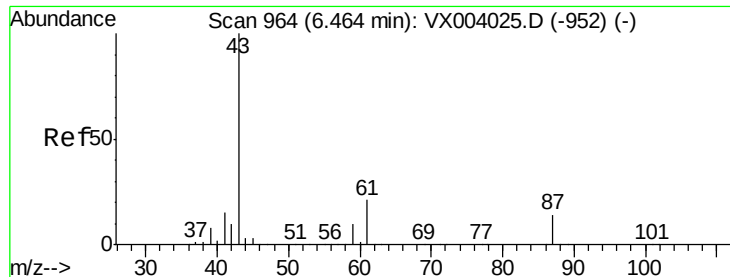
Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 23.7 19.0 28.4





#43

Isopropyl Acetate

Concen: 16.90 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

MS-RO-27186

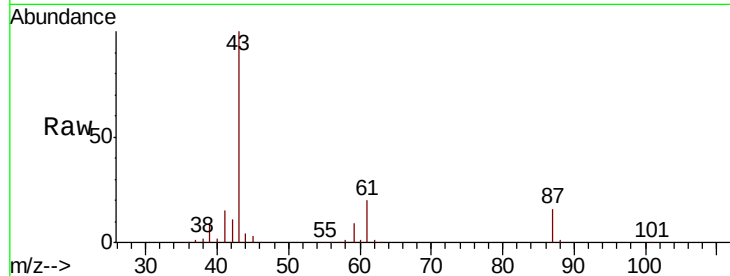
Tot Ion: 43 Resp: 138918

Ion Ratio Lower Upper

43 100

61 20.4 16.9 25.3

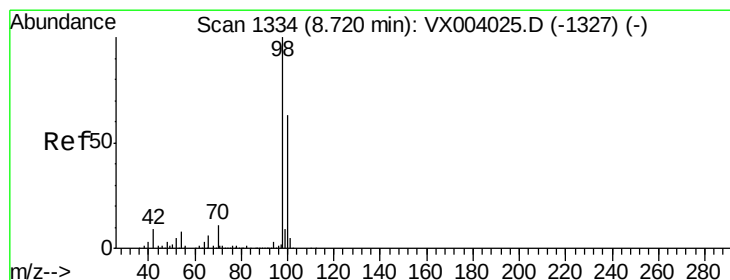
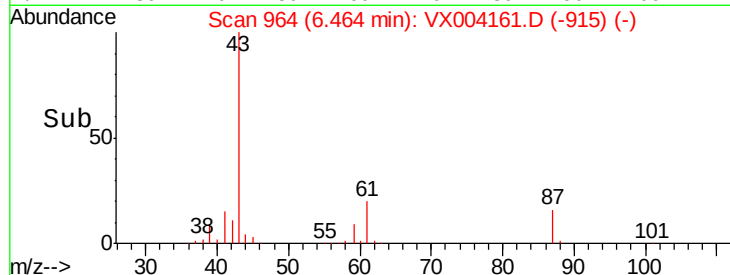
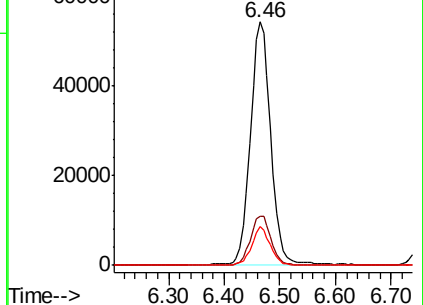
87 14.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.30 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX004161.D

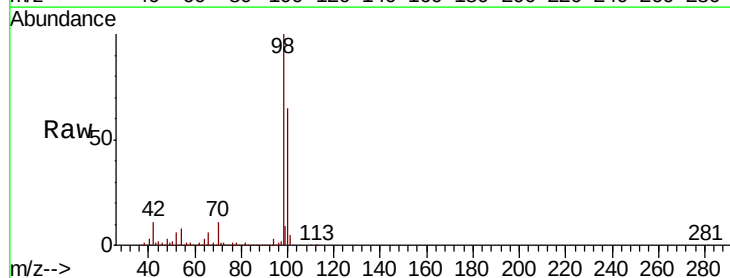
Acq: 20 Aug 2018 18:54

Tgt Ion: 98 Resp: 659427

Ion Ratio Lower Upper

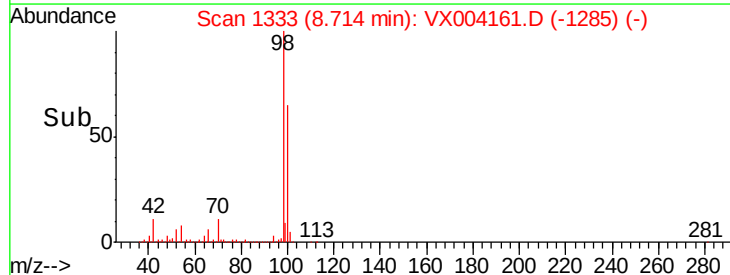
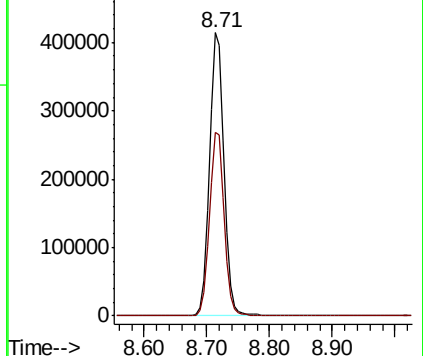
98 100

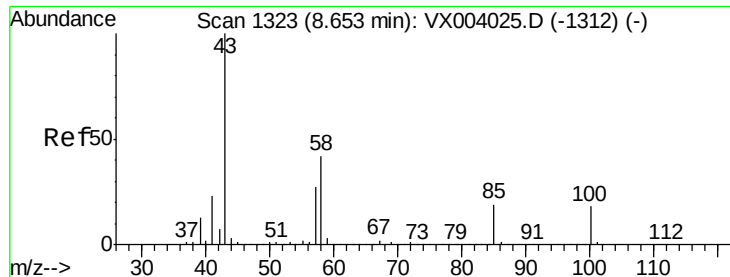
100 65.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.60 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

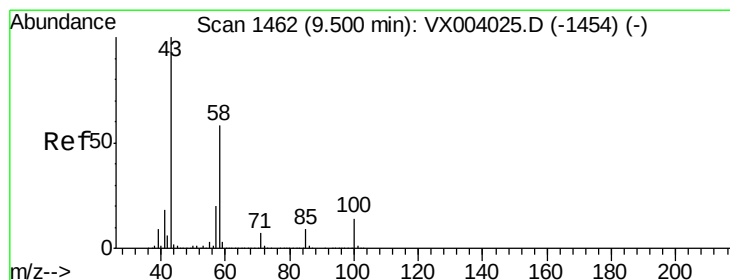
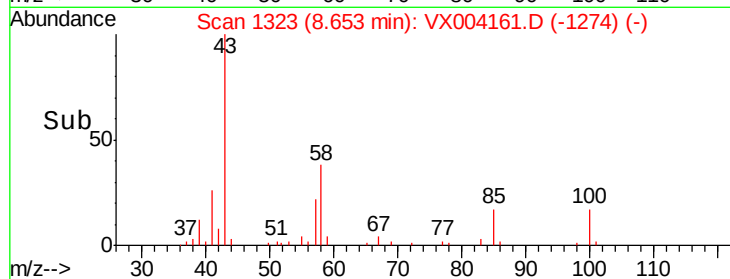
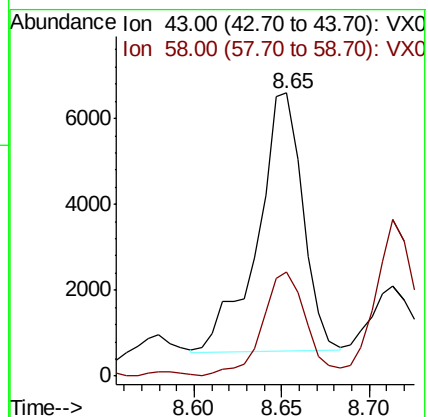
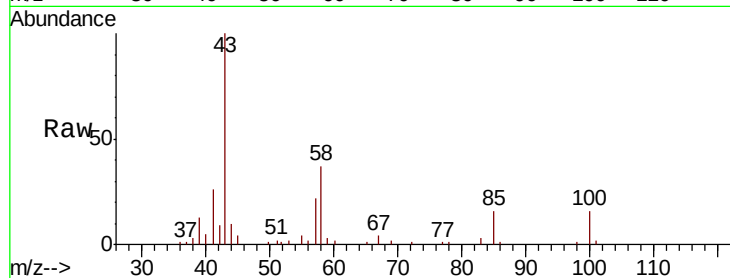
MS-RO-27186

Tot Ion: 43 Resp: 10793

Ion Ratio Lower Upper

43 100

58 39.2 33.0 49.6



#59

2-Hexanone

Concen: 1.98 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX004161.D

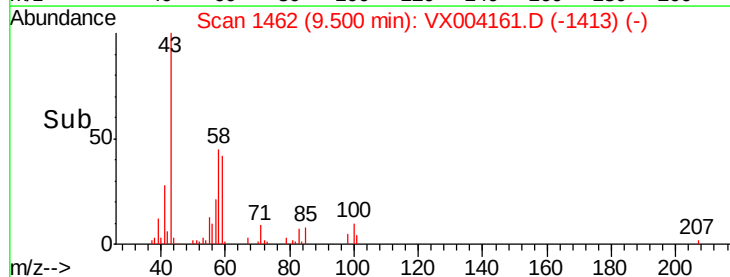
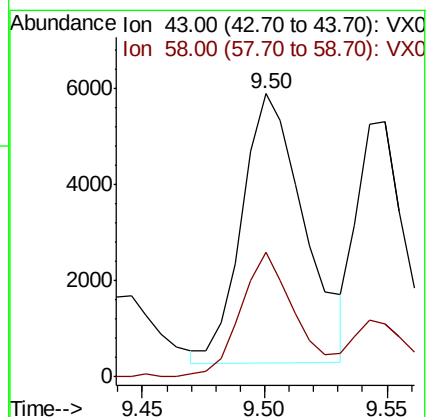
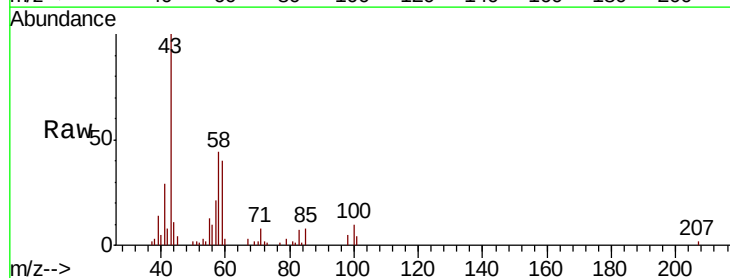
Acq: 20 Aug 2018 18:54

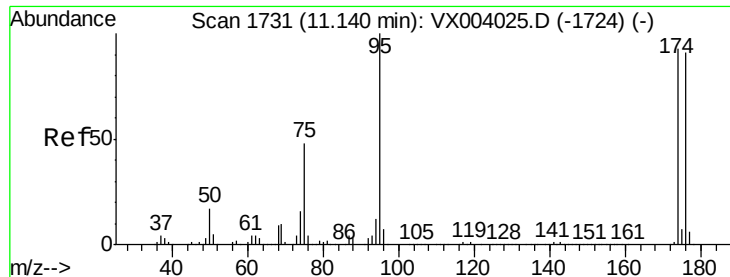
Tgt Ion: 43 Resp: 10023

Ion Ratio Lower Upper

43 100

58 39.5 29.0 87.0

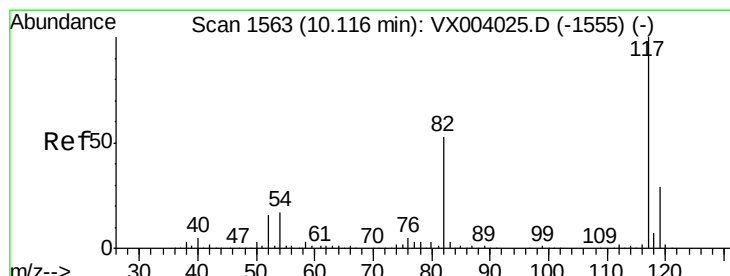
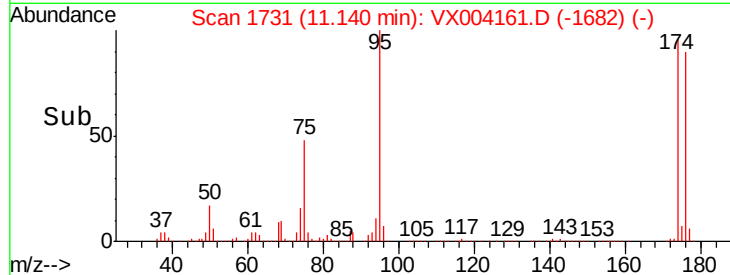
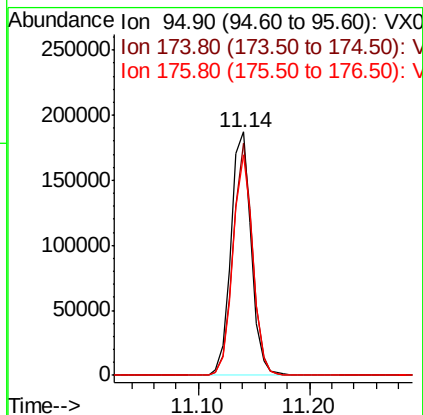
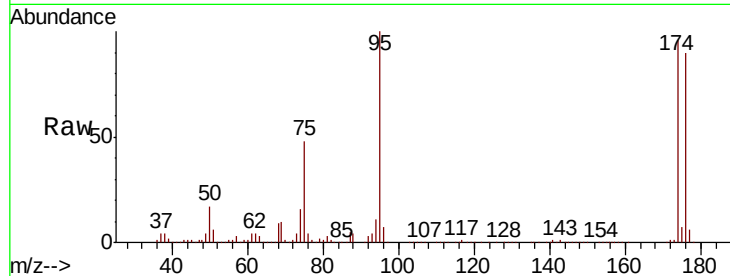




#62
4-Bromofluorobenzene
Concen: 47.72 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004161.D
Acq: 20 Aug 2018 18:54

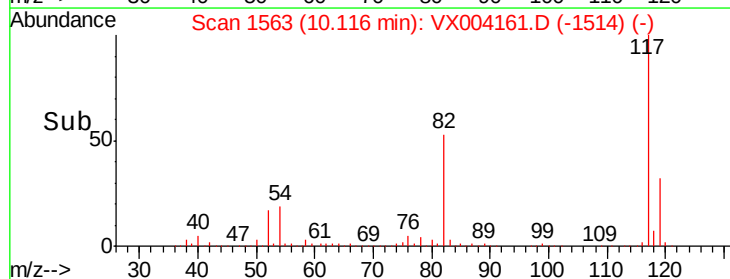
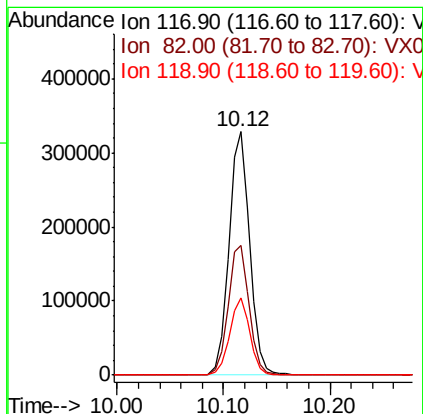
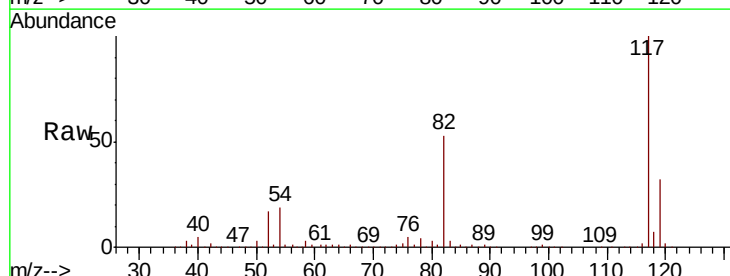
Instrument :
MSVOA_X
ClientSampleId :
MS-RO-27186

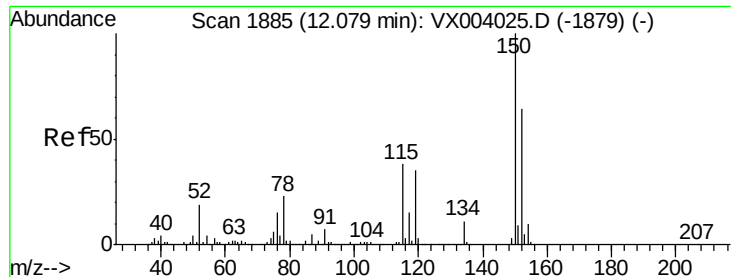
Tot Ion: 95 Resp: 236306
Ion Ratio Lower Upper
95 100
174 91.5 0.0 182.8
176 88.3 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004161.D
Acq: 20 Aug 2018 18:54

Tgt Ion: 117 Resp: 447788
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 31.7 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

MS-RO-27186

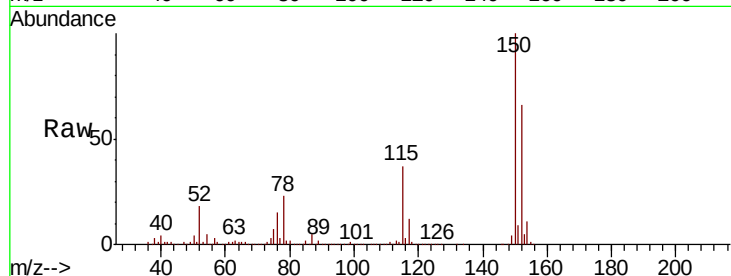
Tot Ion:152 Resp: 256559

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

150 154.7 0.0 349.2

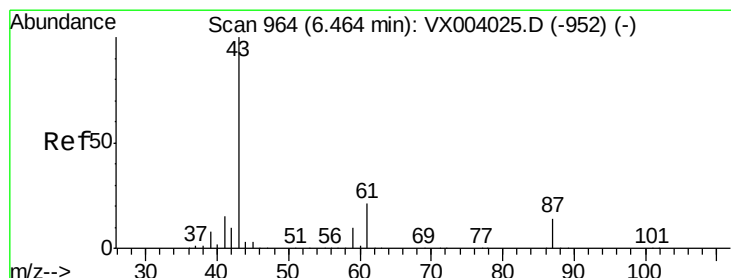
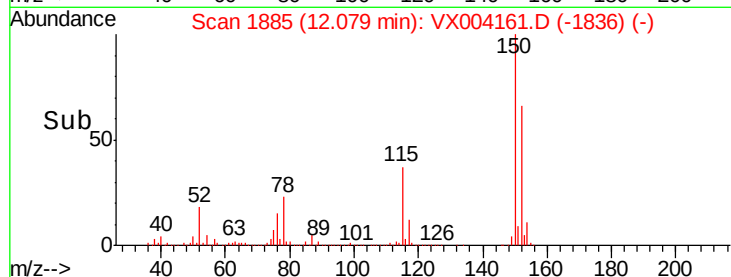
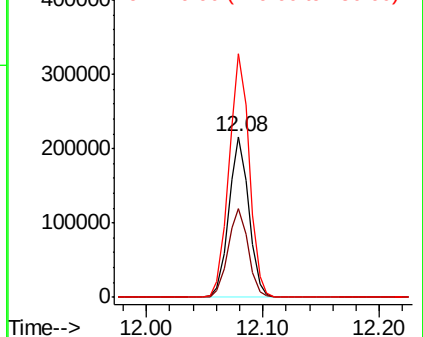


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 17.01 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004161.D

Acq: 20 Aug 2018 18:54

Tgt Ion: 43 Resp: 138918

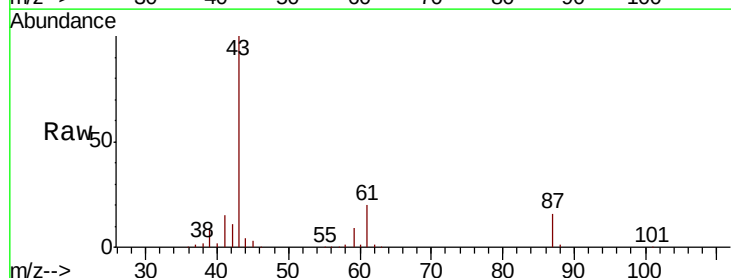
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.4 16.9 25.3



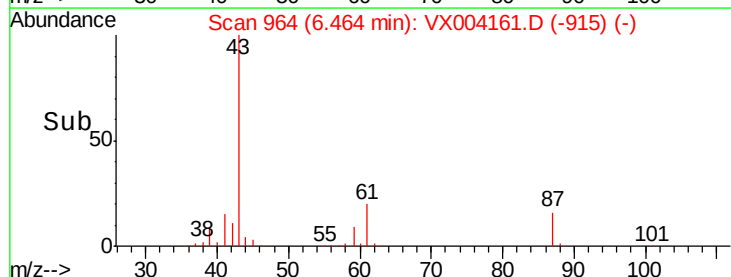
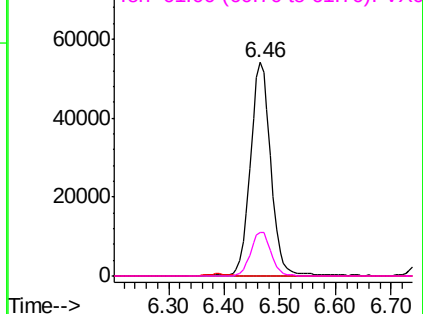
Abundance

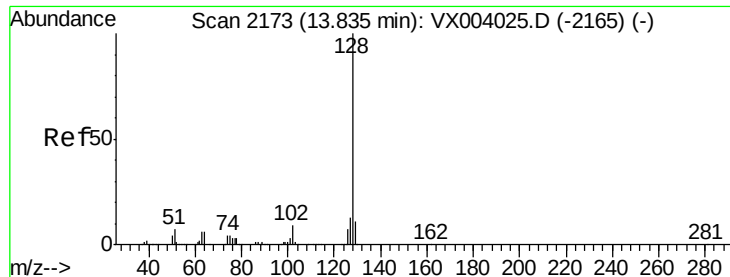
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

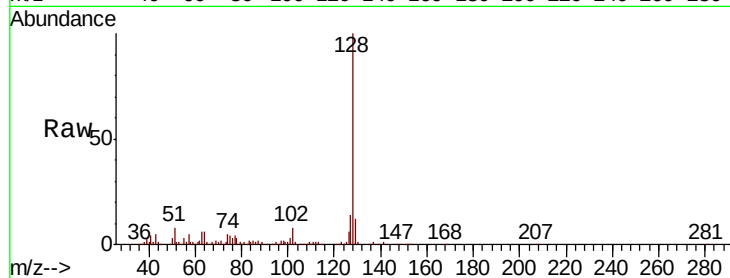




#95
Naphthalene
Concen: 3.96 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004161.D
Acq: 20 Aug 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
MS-RO-27186

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.2
129	11.5	8.8	13.2



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

