

Data File : VX000516.D
Acq On : 29 Mar 2018 16:49
Operator : JC/MD
Sample : J2097-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PZ-3

Quant Time: Mar 30 06:53:43 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	121764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	220446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	217914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	115413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	90143	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
35) Dibromofluoromethane	5.51	113	68642	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	8.73	98	284183	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.15	95	99443	42.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.06%	

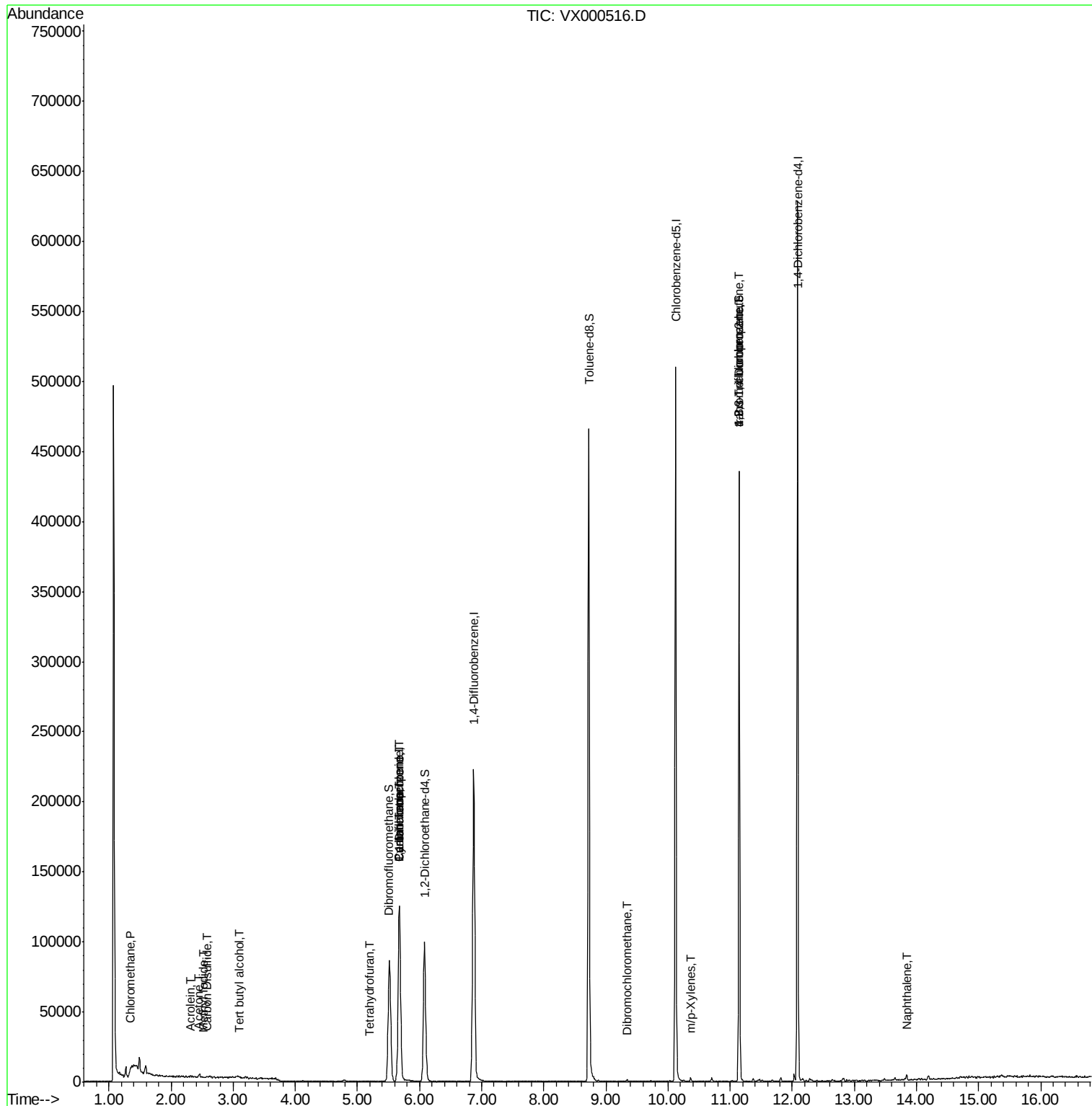
Target Compounds			Qvalue			
3) Chloromethane	1.35	50	482	0.34	ug/l #	40
6) Chloroethane	1.69	64	339	Below	Cal #	50
10) Methyl Iodide	2.53	142	97	4.34	ug/l #	37
11) Tert butyl alcohol	3.09	59	1562	2.86	ug/l	95
13) Acrolein	2.31	56	125	15.25	ug/l	86
14) Allyl chloride	2.75	41	114	Below	Cal #	50
16) Acetone	2.45	43	2454	1.86	ug/l	95
17) Carbon Disulfide	2.58	76	687	0.21	ug/l #	2
29) Tetrahydrofuran	5.20	42	433	0.47	ug/l #	46
31) Cyclohexane	5.67	56	2833	1.41	ug/l #	46
36) 1,1-Dichloropropene	5.67	75	9754	4.72	ug/l #	51
38) Carbon Tetrachloride	5.67	117	11664	5.38	ug/l #	16
60) Dibromochloromethane	9.34	129	63	4.14	ug/l #	12
68) m/p-Xylenes	10.37	106	690	0.21	ug/l	90
74) N-amyl acetate	6.48	43	25	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	55886	22.53	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	55886	72.95	ug/l #	9
95) Naphthalene	13.84	128	2482	0.26	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

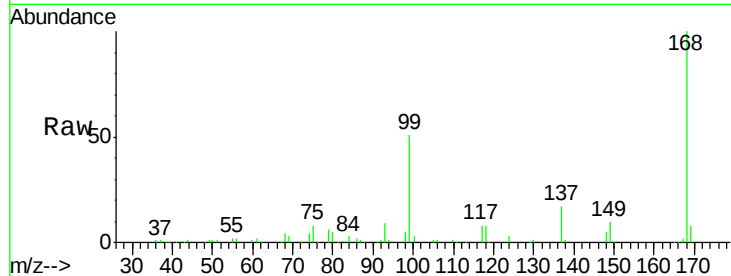
PZ-3

Tgt Ion:168 Resp: 121764

Ion Ratio Lower Upper

168 100

99 50.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

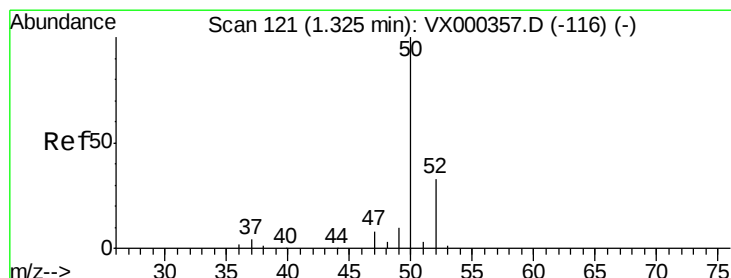
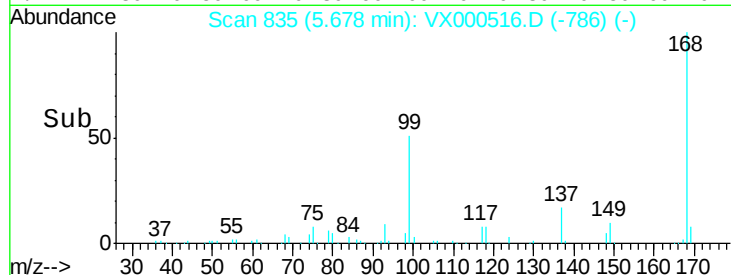
20000

10000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.34 ug/l

RT: 1.35 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX000516.D

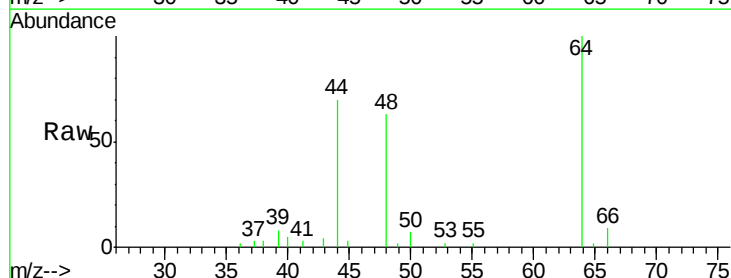
Acq: 29 Mar 2018 16:49

Tgt Ion: 50 Resp: 482

Ion Ratio Lower Upper

50 100

52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.35

300

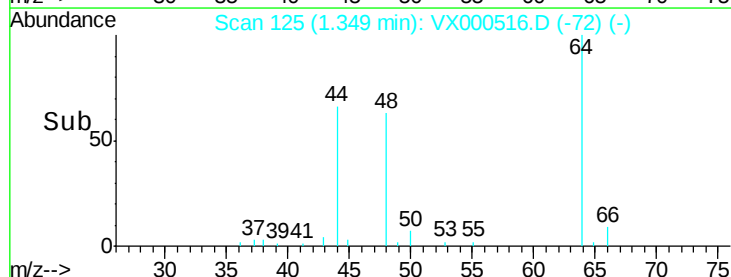
200

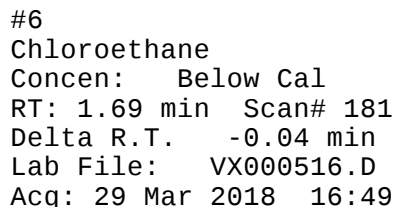
100

0

1.30 1.32 1.34 1.36

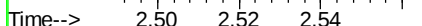
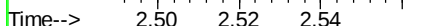
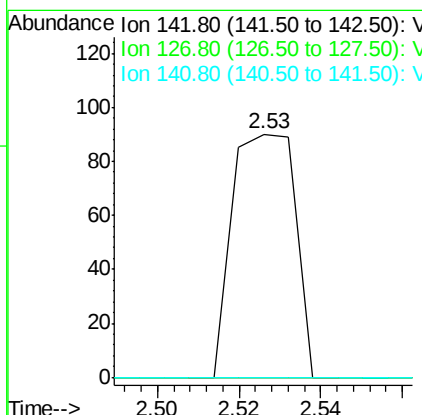
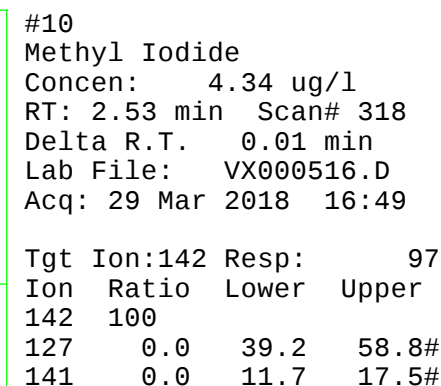
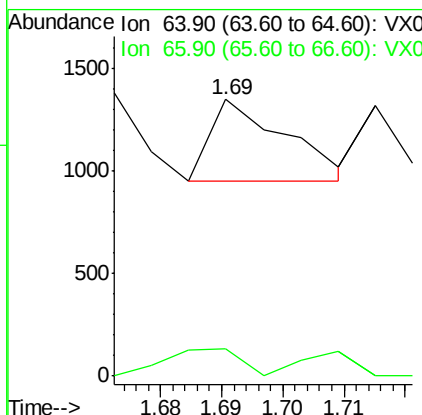
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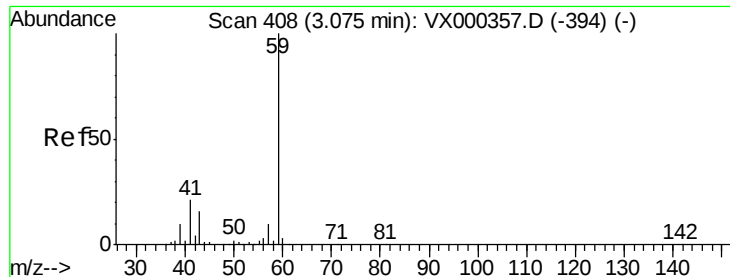




Instrument :
MSVOA_X
ClientSampleId :
PZ-3

Tgt	Ion: 64	Resp:	339
Ion	Ratio	Lower	Upper
64	100		
66	3.8	24.8	37.2#

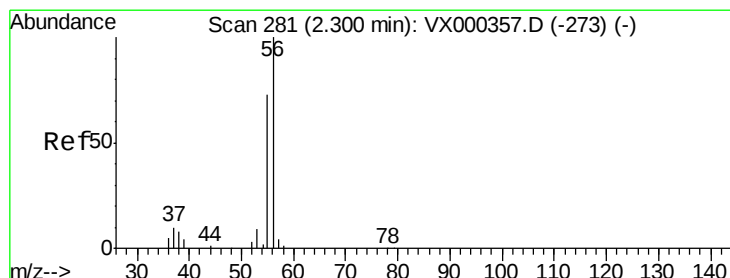
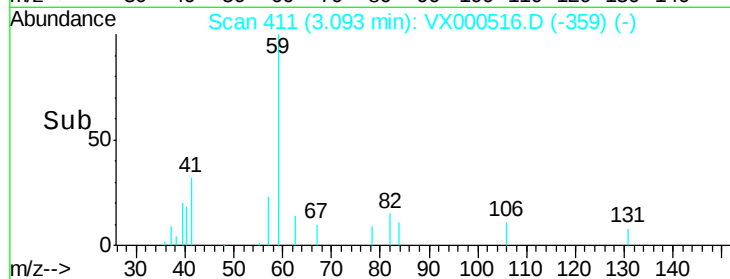
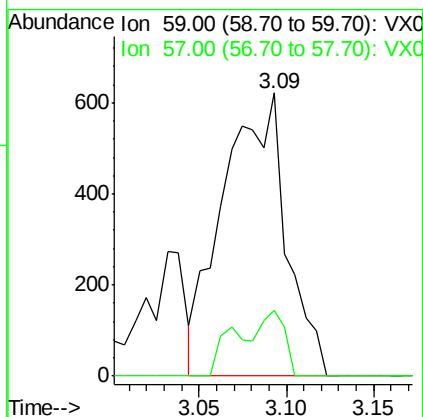
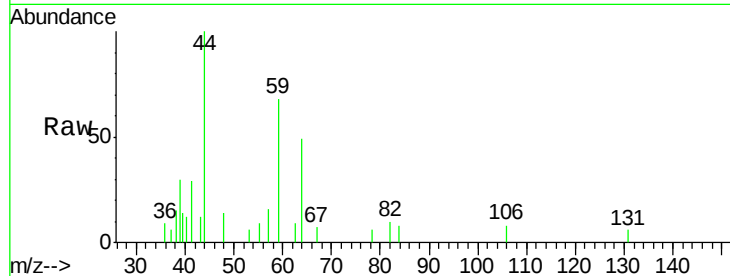




#11
Tert butyl alcohol
Concen: 2.86 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
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Acq: 29 Mar 2018 16:49

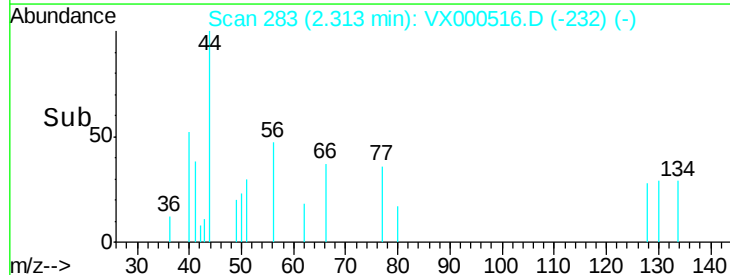
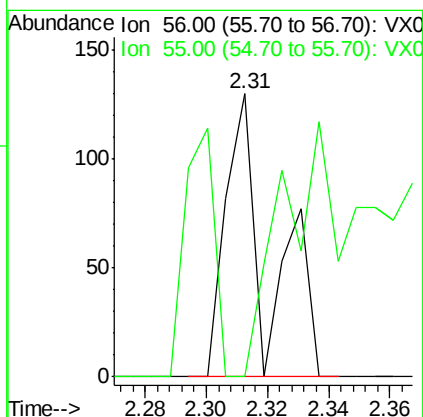
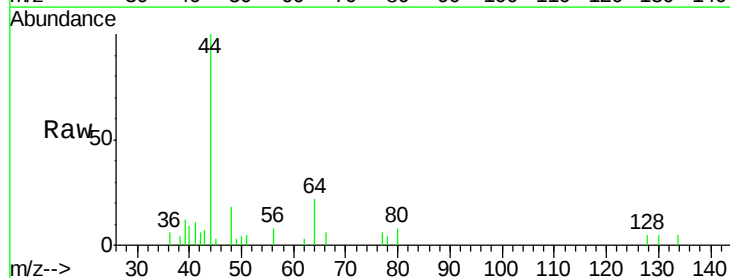
Instrument :
MSVOA_X
ClientSampled :
PZ-3

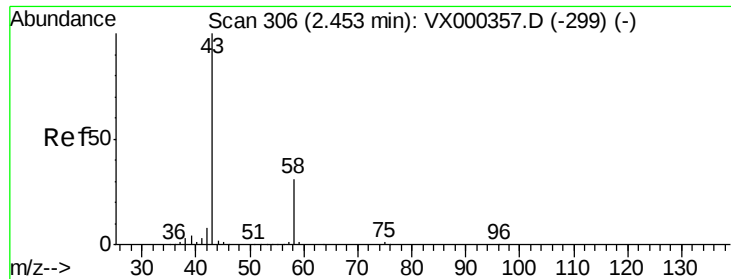
Tgt Ion: 59 Resp: 1562
Ion Ratio Lower Upper
59 100
57 8.8 8.4 12.6



#13
Acrolein
Concen: 15.25 ug/l
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX000516.D
Acq: 29 Mar 2018 16:49

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 61.6 58.8 88.2





#16

Acetone

Concen: 1.86 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

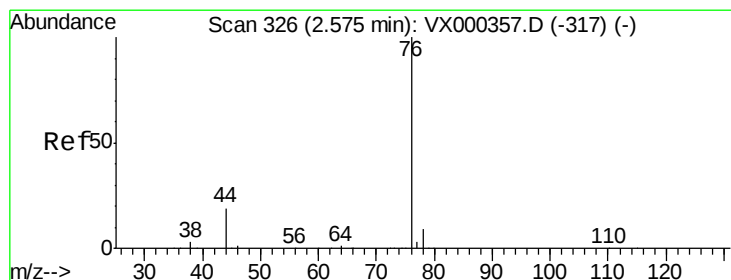
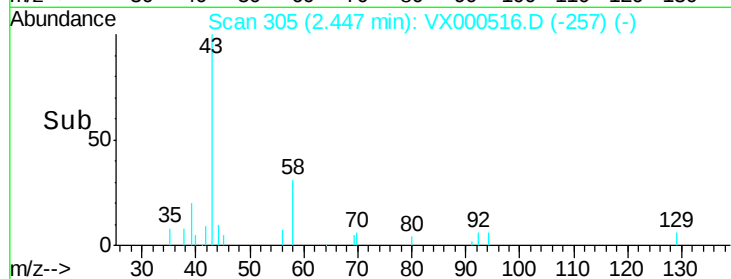
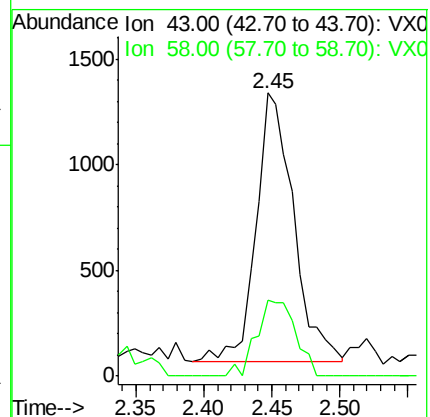
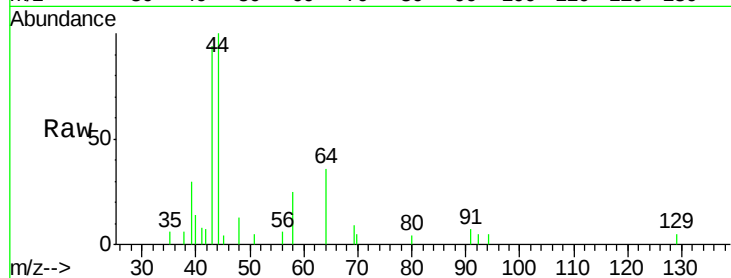
PZ-3

Tgt Ion: 43 Resp: 2454

Ion Ratio Lower Upper

43 100

58 28.4 24.7 37.1



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000516.D

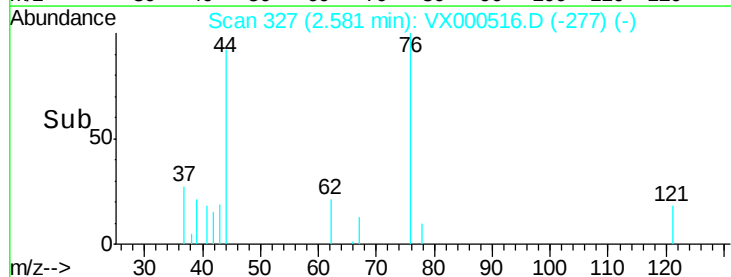
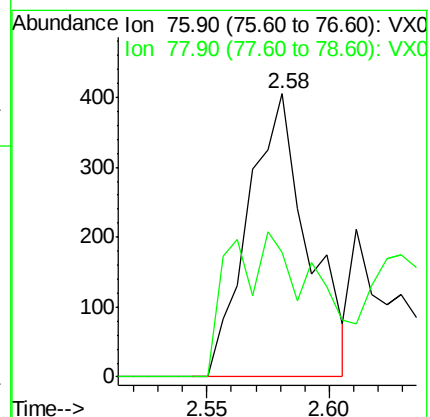
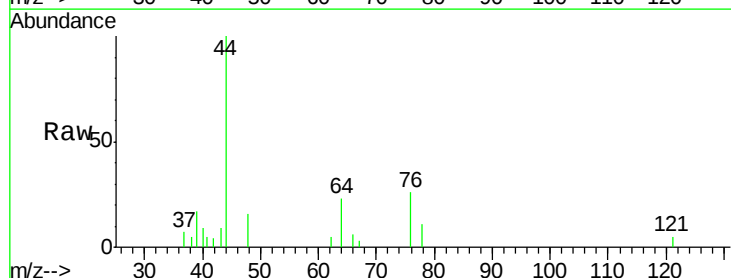
Acq: 29 Mar 2018 16:49

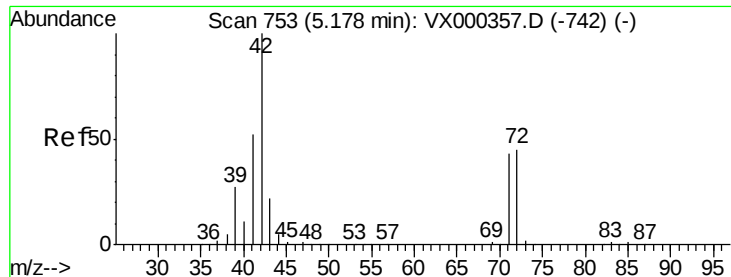
Tgt Ion: 76 Resp: 687

Ion Ratio Lower Upper

76 100

78 44.0 7.0 10.6#

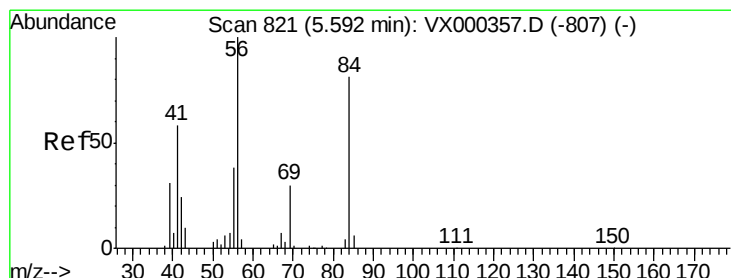
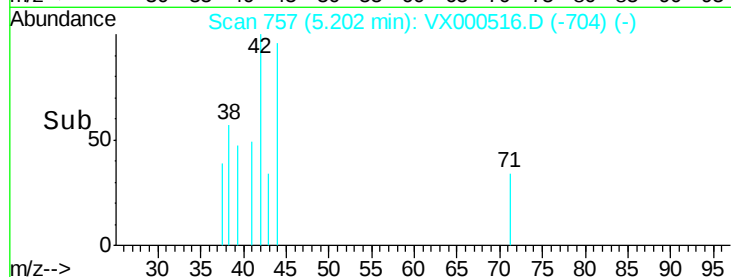
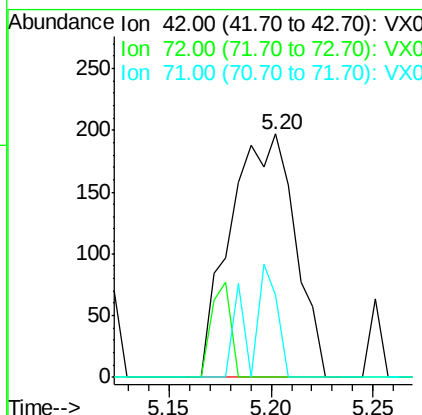
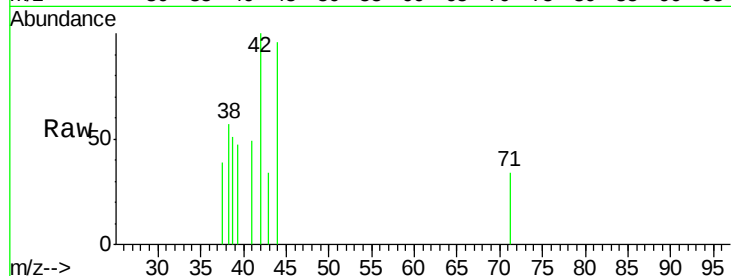




#29
Tetrahydrofuran
Concen: 0.47 ug/l
RT: 5.20 min Scan# 757
Delta R.T. 0.02 min
Lab File: VX000516.D
Acq: 29 Mar 2018 16:49

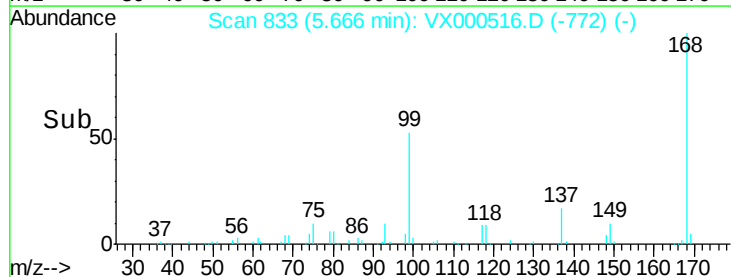
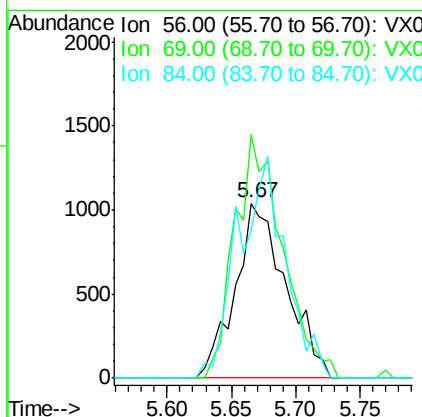
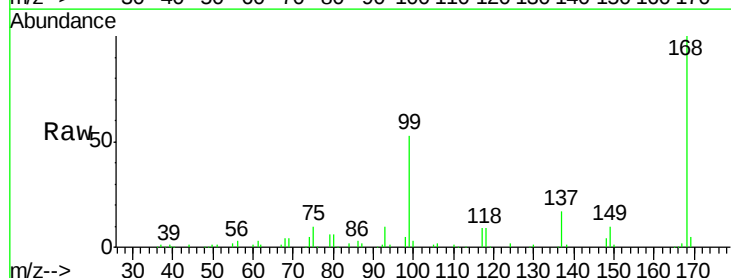
Instrument :
MSVOA_X
ClientSampled :
PZ-3

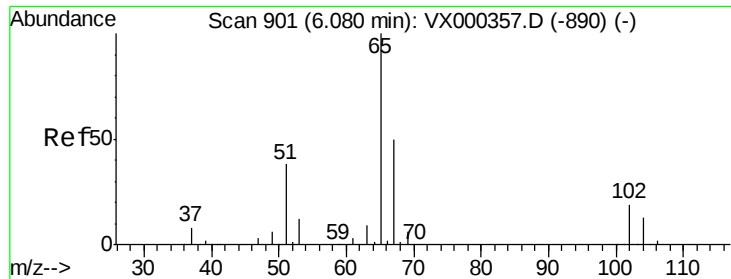
Tgt Ion: 42 Resp: 433
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 19.9 34.4 51.6#



#31
Cyclohexane
Concen: 1.41 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000516.D
Acq: 29 Mar 2018 16:49

Tgt Ion: 56 Resp: 2833
Ion Ratio Lower Upper
56 100
69 139.1 23.4 35.0#
84 84.2 71.0 106.4

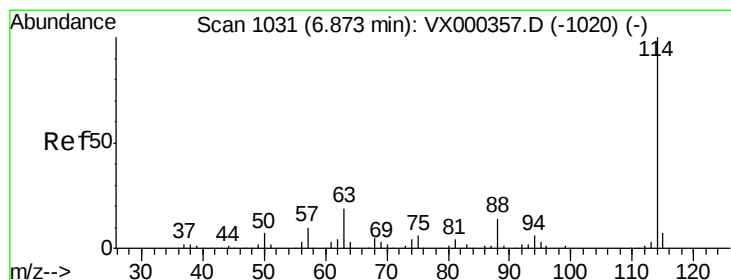
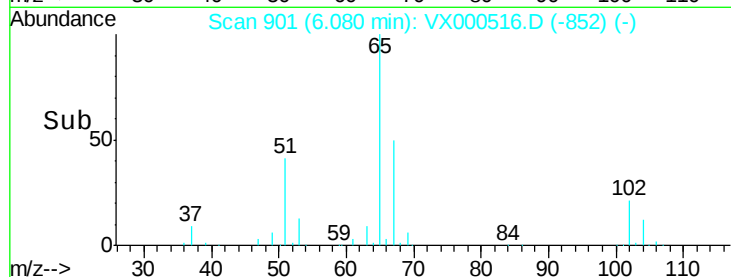
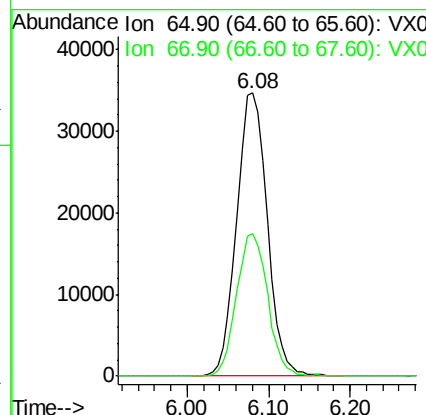
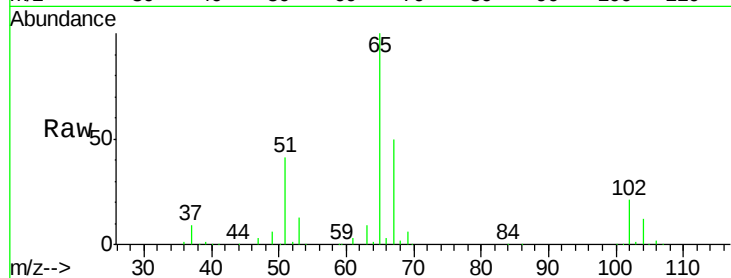




#33
 1,2-Dichloroethane-d4
 Concen: 56.71 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000516.D
 Acq: 29 Mar 2018 16:49

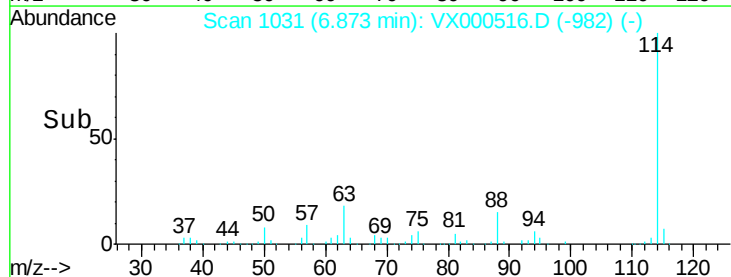
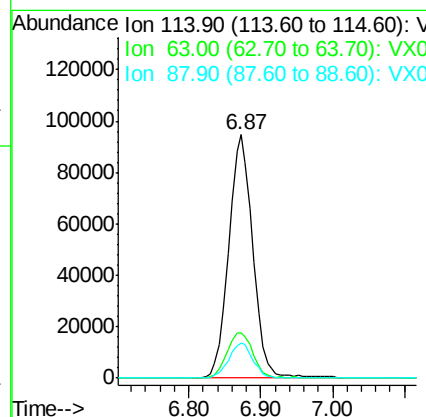
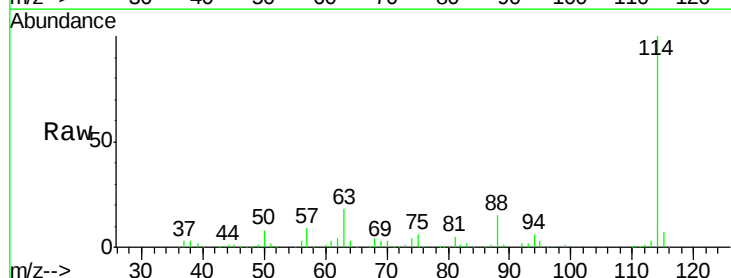
Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-3

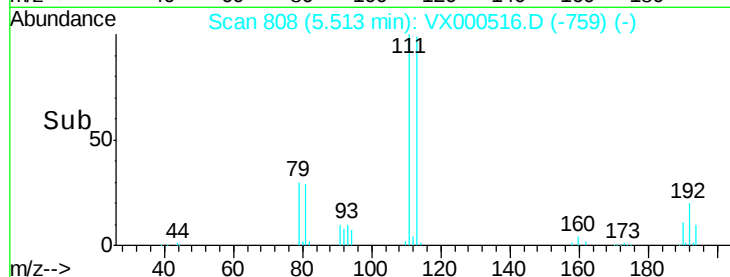
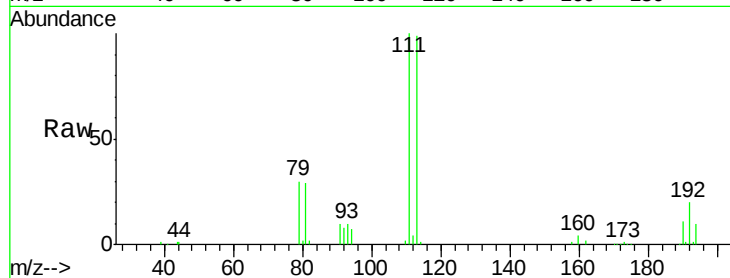
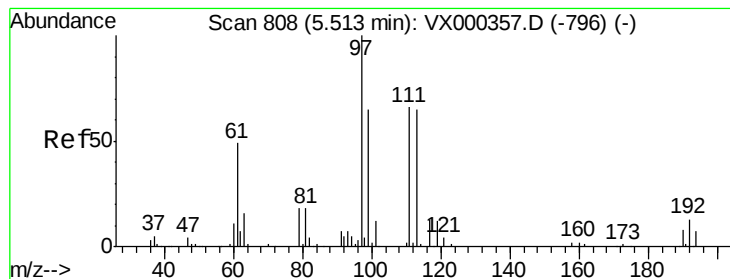
Tgt Ion: 65 Resp: 90143
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000516.D
 Acq: 29 Mar 2018 16:49

Tgt Ion: 114 Resp: 220446
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 14.6 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.42 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

PZ-3

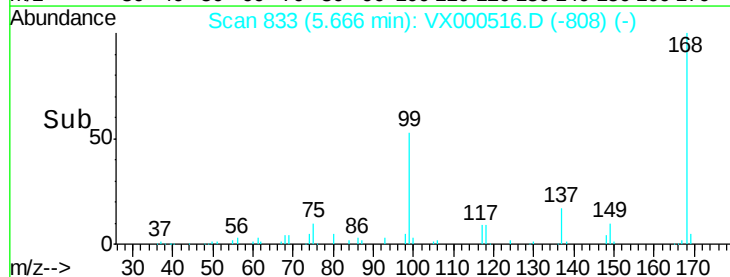
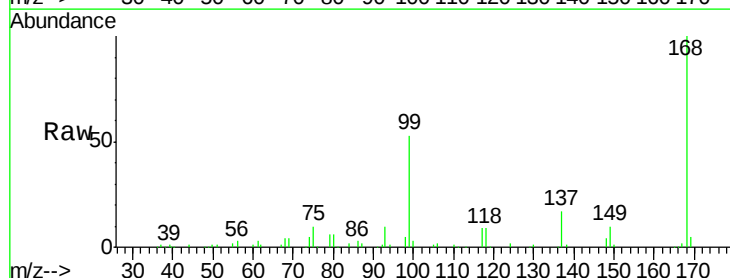
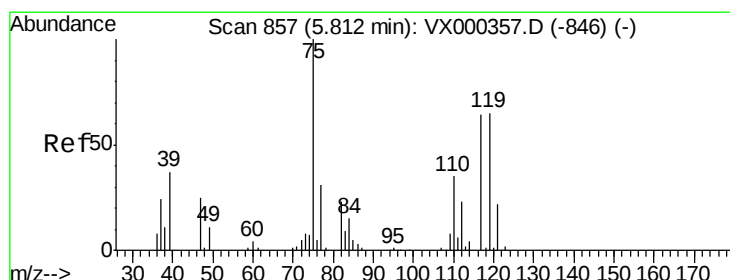
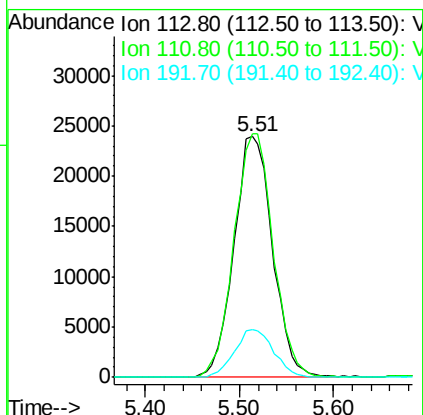
Tgt Ion:113 Resp: 68642

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 20.1 15.8 23.6



#36

1,1-Dichloropropene

Concen: 4.72 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

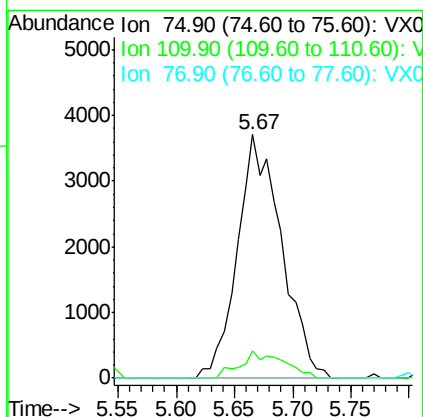
Tgt Ion: 75 Resp: 9754

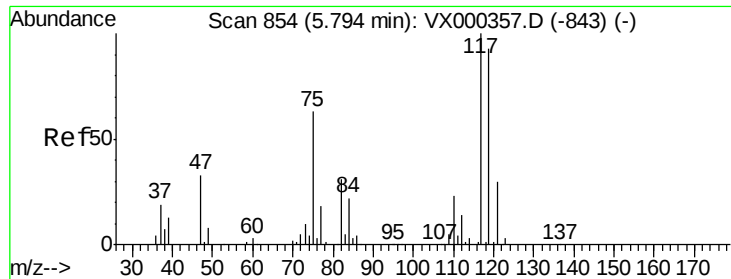
Ion Ratio Lower Upper

75 100

110 10.7 17.9 53.7#

77 0.0 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 5.38 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampled :

PZ-3

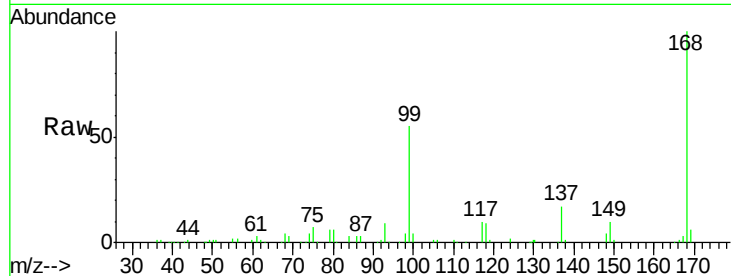
Tgt Ion:117 Resp: 11664

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.2#

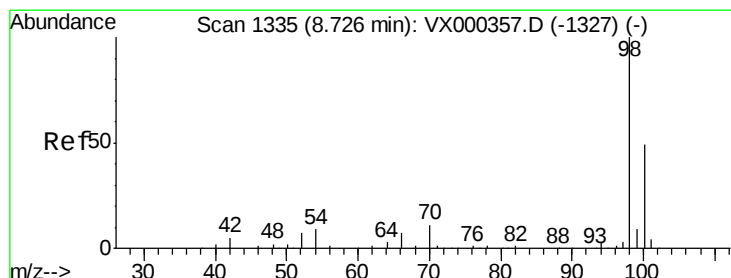
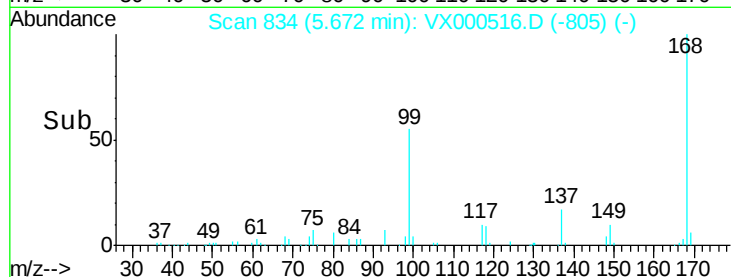
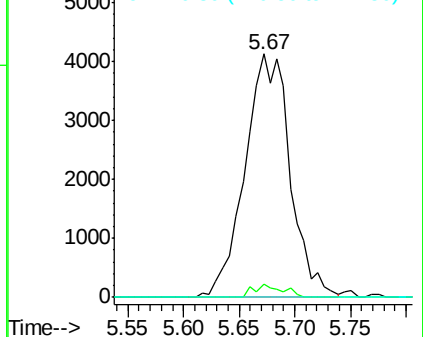
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.40 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000516.D

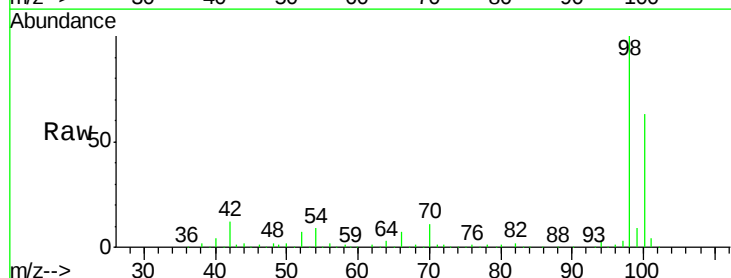
Acq: 29 Mar 2018 16:49

Tgt Ion: 98 Resp: 284183

Ion Ratio Lower Upper

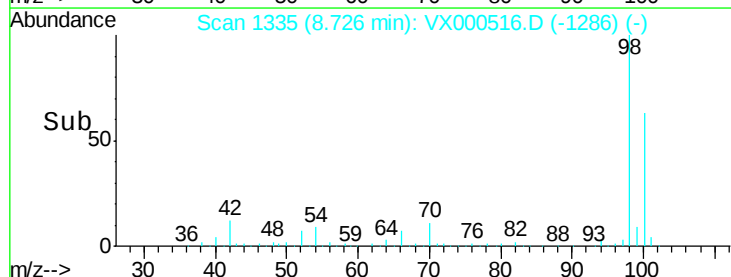
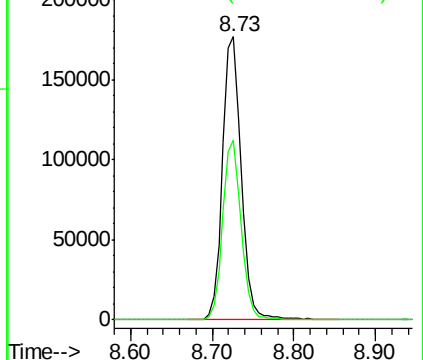
98 100

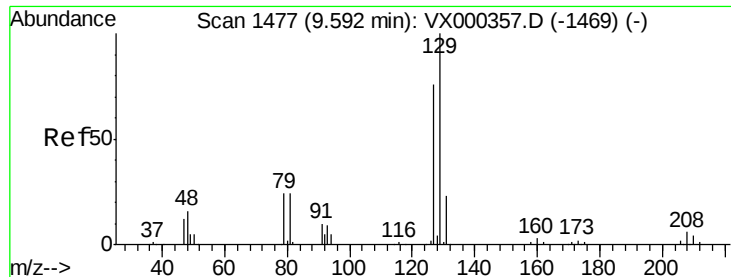
100 62.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 4.14 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

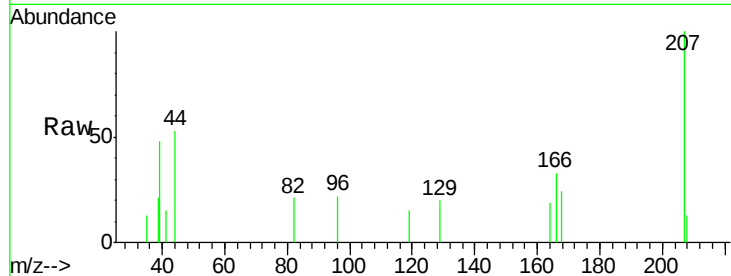
PZ-3

Tgt Ion:129 Resp: 63

Ion Ratio Lower Upper

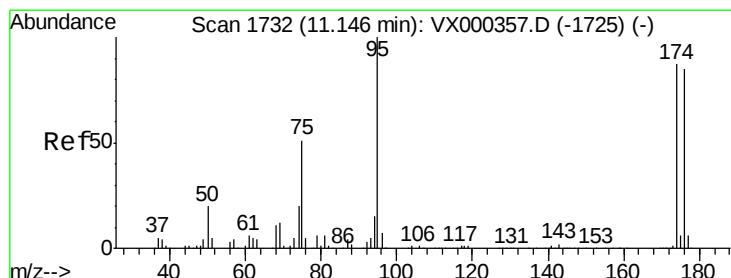
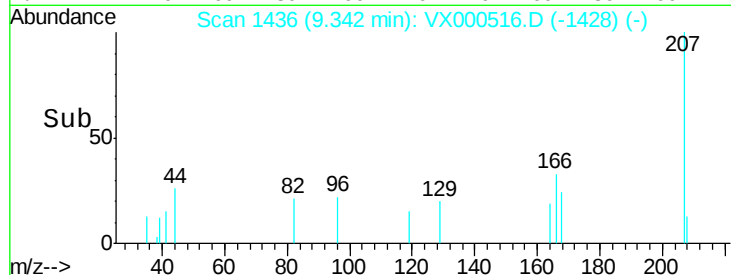
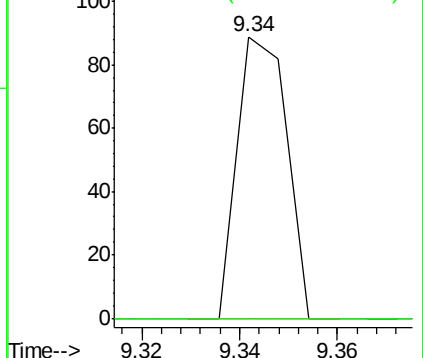
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 42.03 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

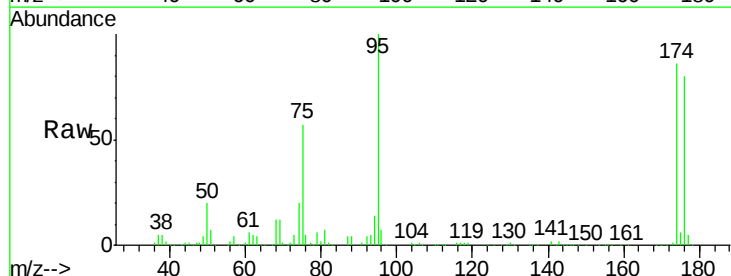
Tgt Ion: 95 Resp: 99443

Ion Ratio Lower Upper

95 100

174 87.9 0.0 173.6

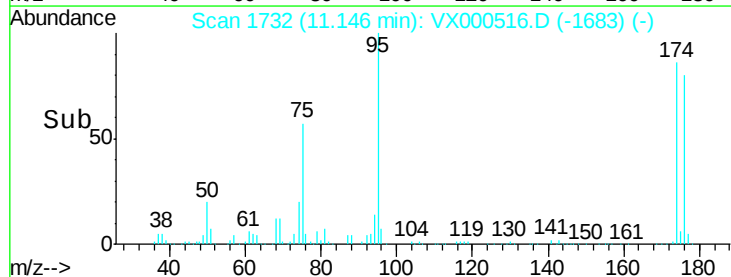
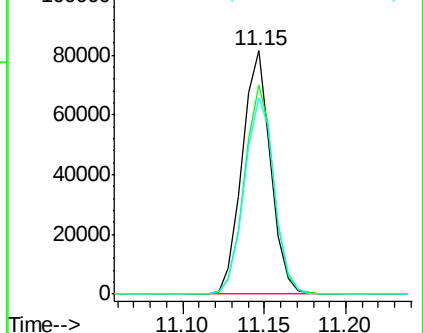
176 84.7 0.0 164.6

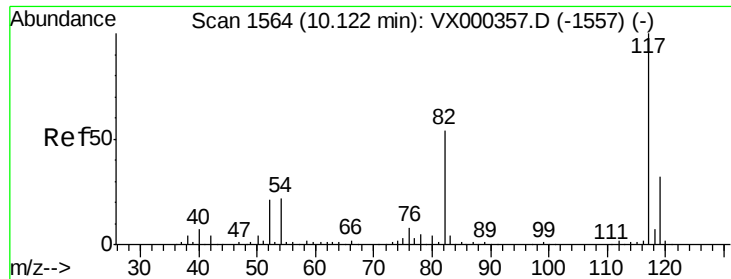


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

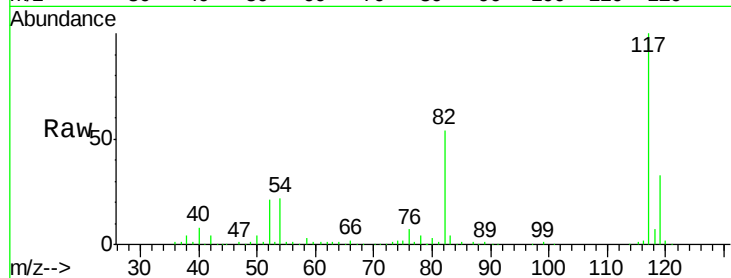




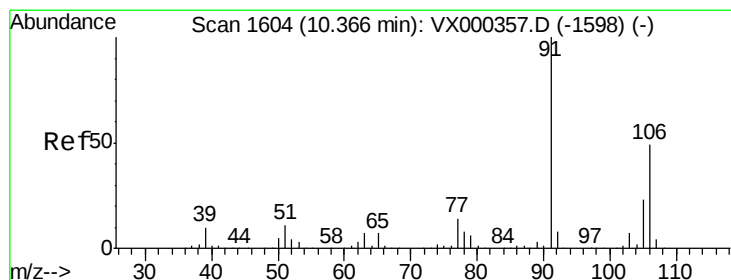
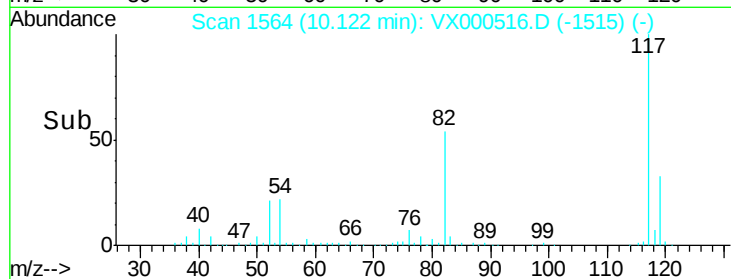
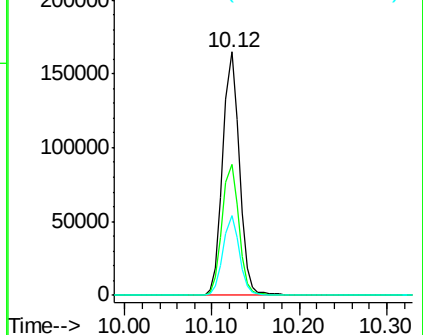
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000516.D
Acq: 29 Mar 2018 16:49

Instrument :
MSVOA_X
ClientSampled :
PZ-3

Tgt Ion:117 Resp: 217914
Ion Ratio Lower Upper
117 100
82 53.7 43.8 65.8
119 32.7 24.9 37.3

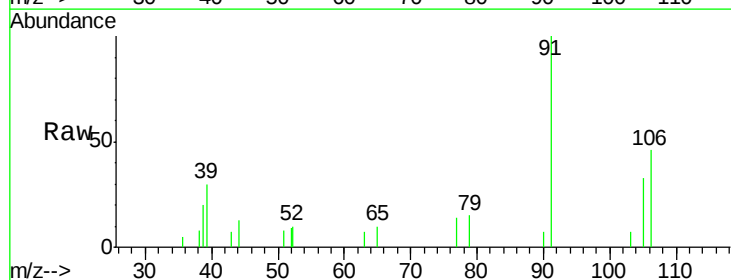


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

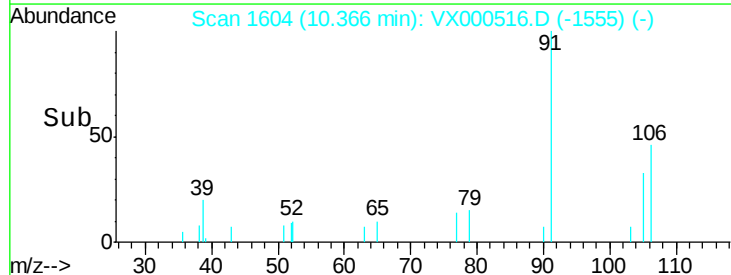
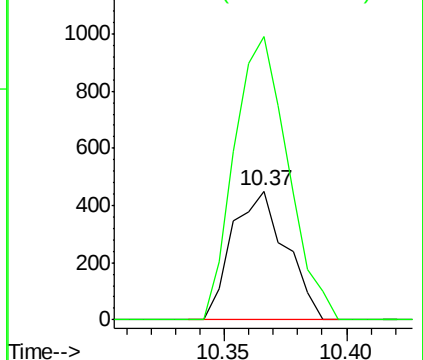


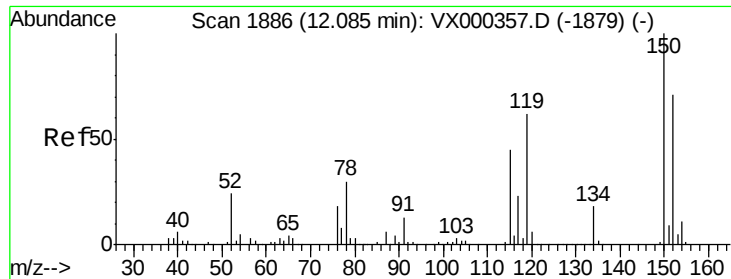
#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000516.D
Acq: 29 Mar 2018 16:49

Tgt Ion:106 Resp: 690
Ion Ratio Lower Upper
106 100
91 220.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

PZ-3

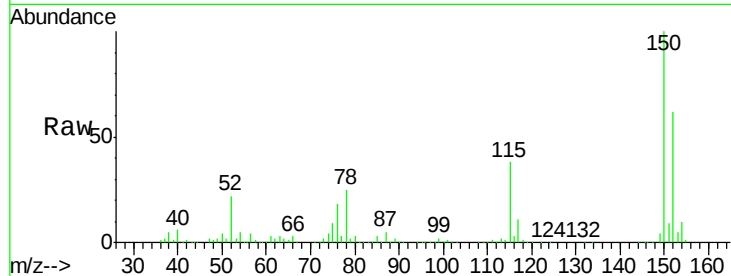
Tgt Ion:152 Resp: 115413

Ion Ratio Lower Upper

152 100

115 58.6 39.8 119.3

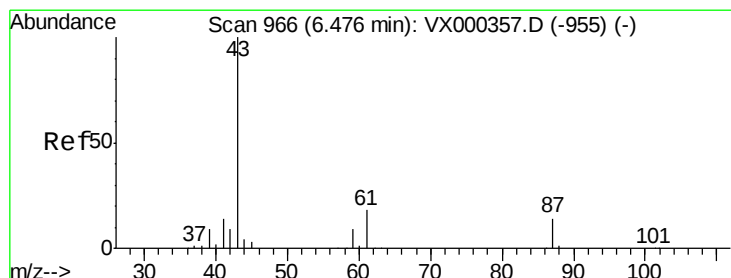
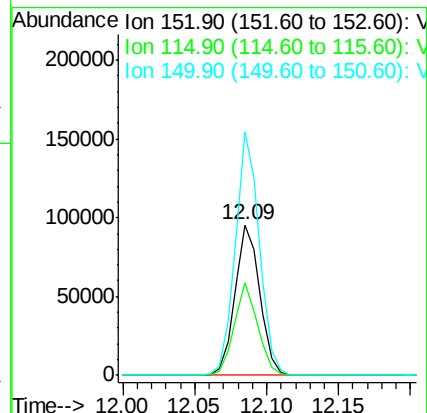
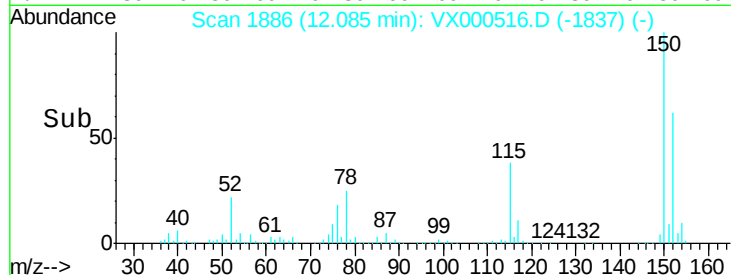
150 157.3 0.0 344.4



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: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Tgt Ion: 43 Resp: 25

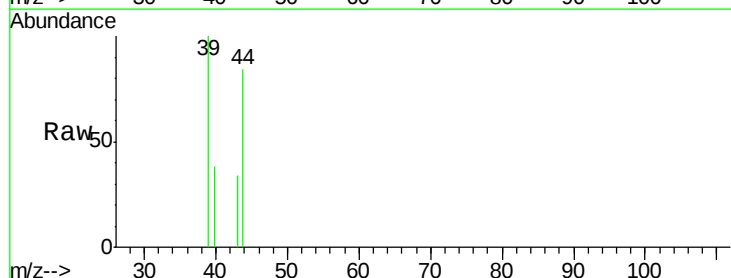
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

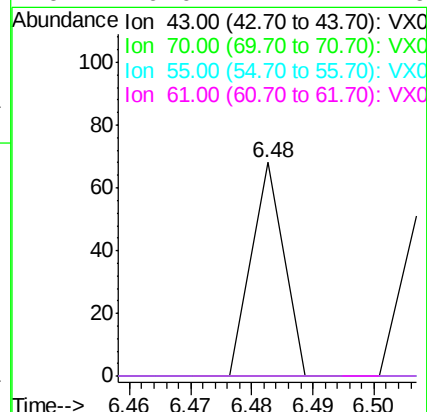
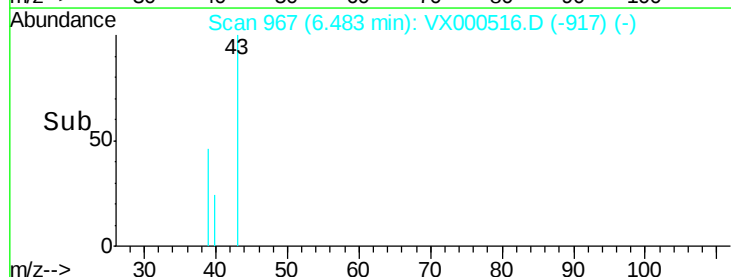


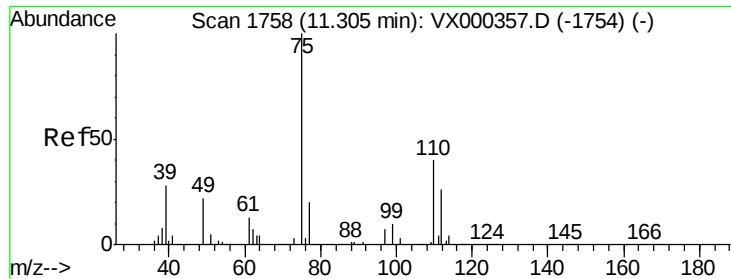
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 22.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampled :

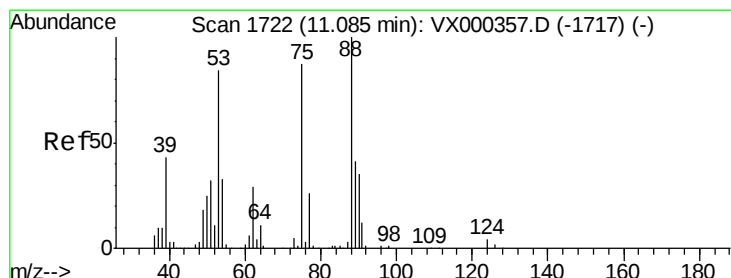
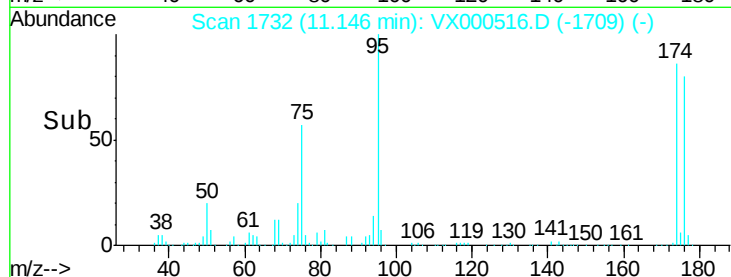
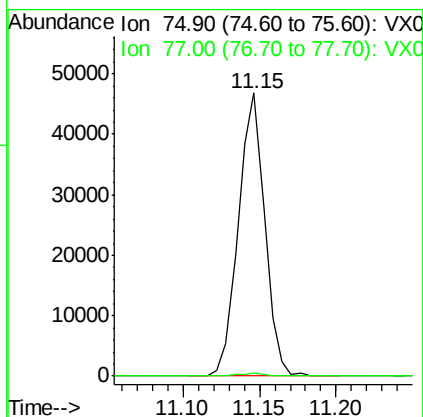
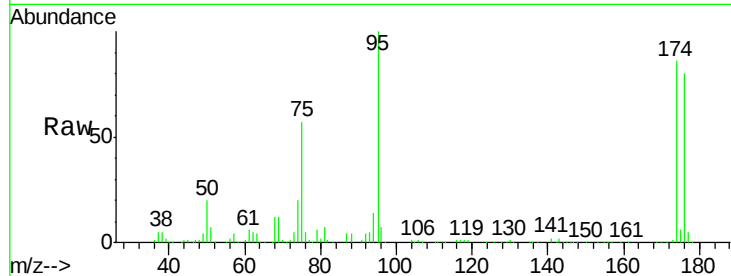
PZ-3

Tgt Ion: 75 Resp: 55886

Ion Ratio Lower Upper

75 100

77 1.1 21.4 64.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.95 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

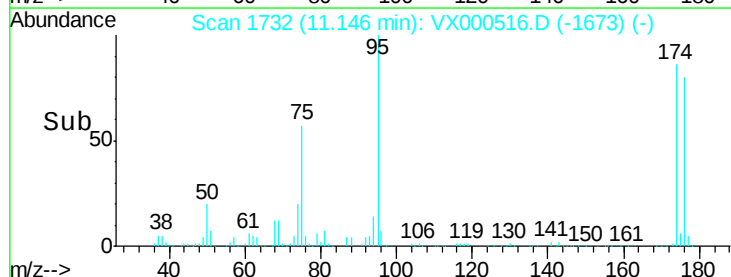
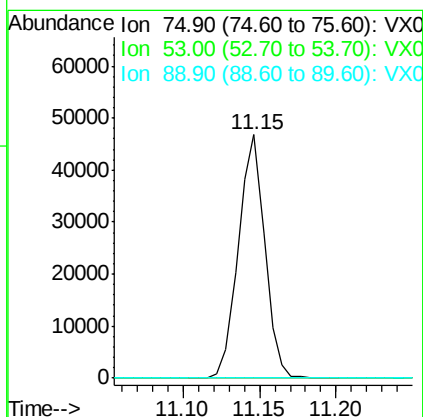
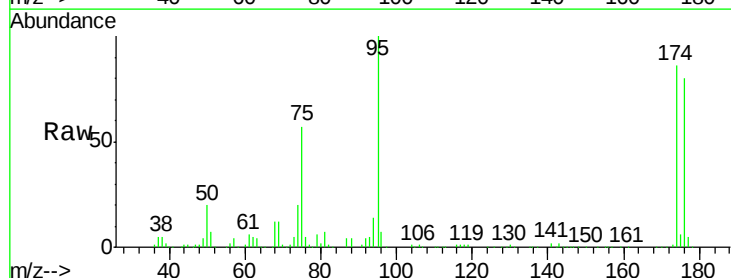
Tgt Ion: 75 Resp: 55886

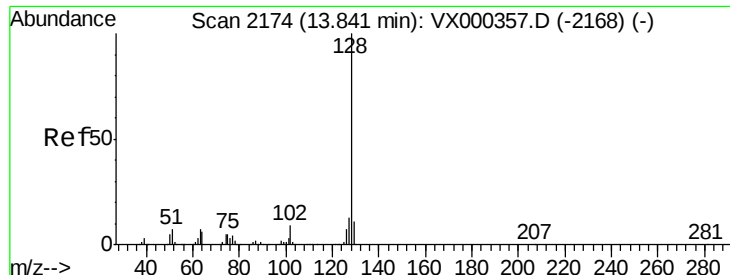
Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.2 39.4 59.0#





#95

Naphthalene

Concen: 0.26 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000516.D

Acq: 29 Mar 2018 16:49

Instrument :

MSVOA_X

ClientSampleId :

PZ-3

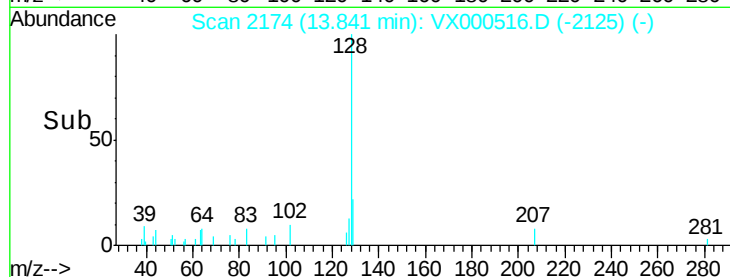
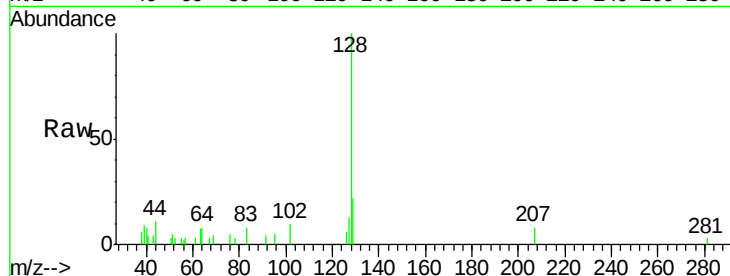
Tgt Ion:128 Resp: 2482

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

129 13.0 8.9 13.3



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

