

Data File : VX000515.D

Acq On : 29 Mar 2018 16:24

Operator : JC/MD

Sample : J2097-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PZ-4

Quant Time: Mar 30 06:53:23 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	122770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	228523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	224699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	118300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	94023	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
35) Dibromofluoromethane	5.51	113	70665	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	8.73	98	286243	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.15	95	102533	41.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.68%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.40	62	343	0.23	ug/l #	85
6) Chloroethane	1.72	64	440	Below	Cal #	71
10) Methyl Iodide	2.53	142	120	4.35	ug/l #	46
11) Tert butyl alcohol	3.08	59	955	1.73	ug/l	94
13) Acrolein	2.31	56	156	15.41	ug/l #	41
14) Allyl chloride	2.71	41	159	Below	Cal #	42
15) Acrylonitrile	3.16	53	241	0.22	ug/l #	71
16) Acetone	2.45	43	1347	1.01	ug/l	94
17) Carbon Disulfide	2.57	76	673	0.21	ug/l #	90
18) Methyl Acetate	2.79	43	574	0.21	ug/l #	51
24) 1,1-Dichloroethane	3.71	63	766	0.29	ug/l #	83
29) Tetrahydrofuran	5.18	42	264	0.29	ug/l #	31
31) Cyclohexane	5.68	56	3179	1.57	ug/l #	27
36) 1,1-Dichloropropene	5.67	75	10128	4.73	ug/l #	52
38) Carbon Tetrachloride	5.67	117	12010	5.35	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	1506	0.45	ug/l #	1
74) N-amyl acetate	6.51	43	46	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	56983	22.41	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	56983	72.56	ug/l #	9
95) Naphthalene	13.84	128	3335	0.35	ug/l #	90

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

Data File : VX000515.D

Acq On : 29 Mar 2018 16:24

Operator : JC/MD

Sample : J2097-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PZ-4

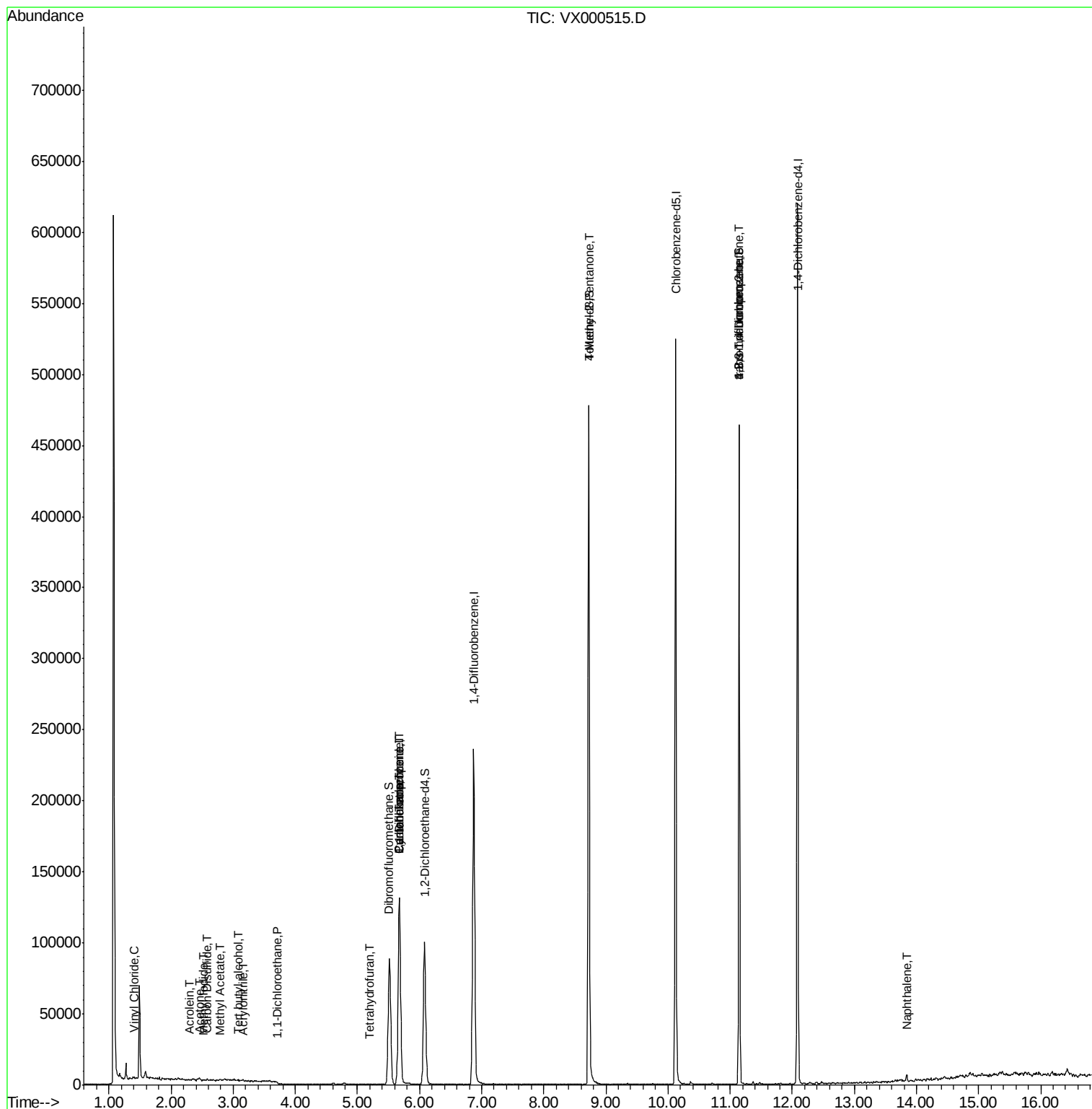
Quant Time: Mar 30 06:53:23 2018

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

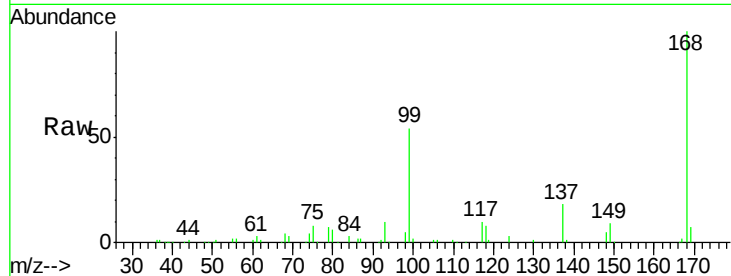
PZ-4

Tgt Ion: 168 Resp: 122770

Ion Ratio Lower Upper

168 100

99 54.2 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

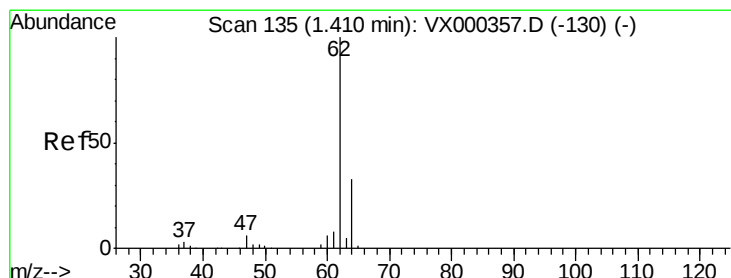
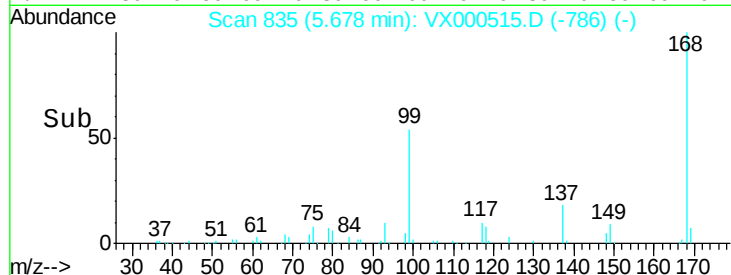
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.23 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000515.D

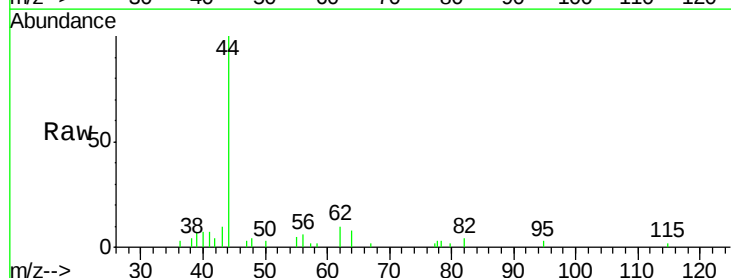
Acq: 29 Mar 2018 16:24

Tgt Ion: 62 Resp: 343

Ion Ratio Lower Upper

62 100

64 39.4 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

600

500

400

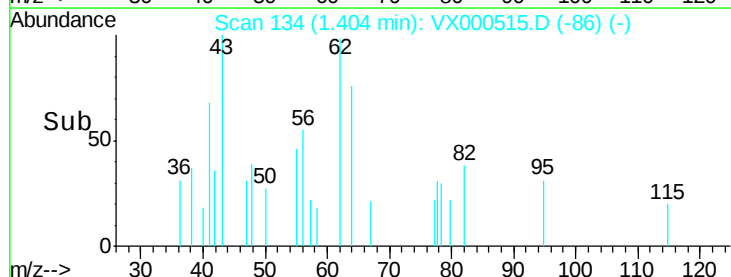
300

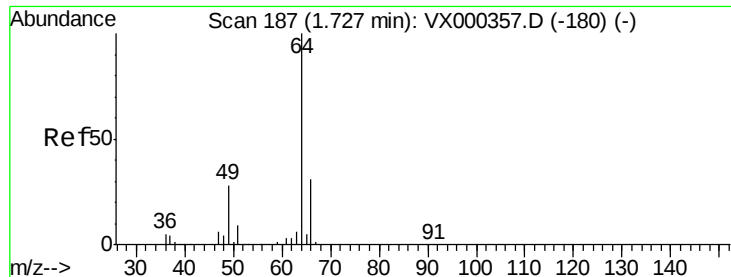
200

100

0

Time--> 1.40 1.45





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

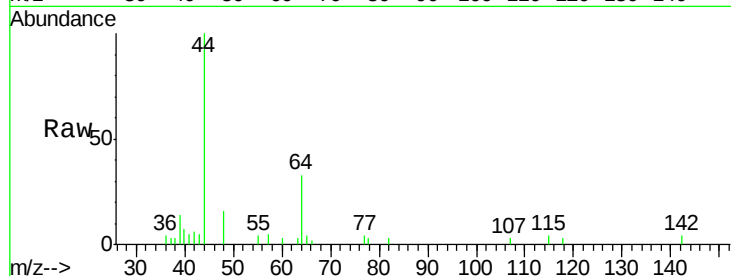
PZ-4

Tgt Ion: 64 Resp: 440

Ion Ratio Lower Upper

64 100

66 14.8 24.8 37.2#



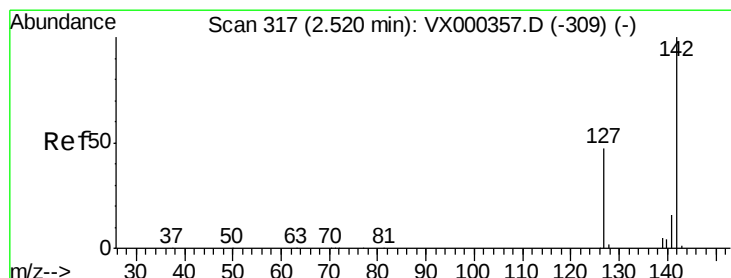
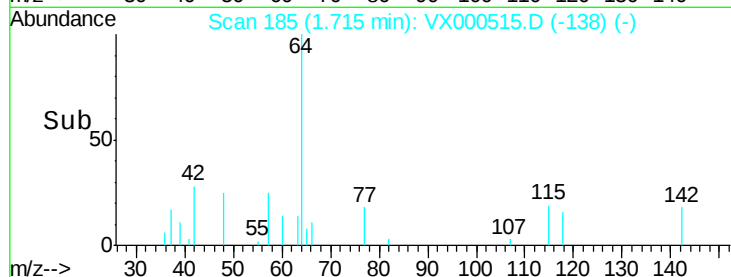
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

Time-->

1.68 1.70 1.72 1.74



#10

Methyl Iodide

Concen: 4.35 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

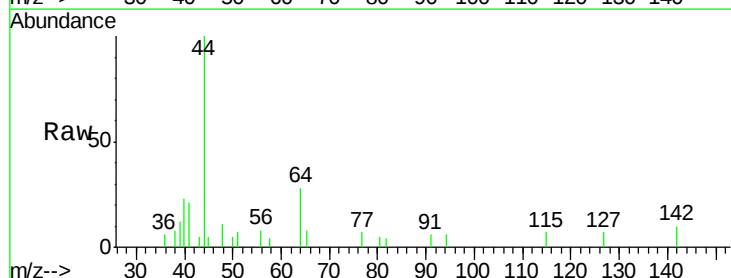
Tgt Ion: 142 Resp: 120

Ion Ratio Lower Upper

142 100

127 89.2 39.2 58.8#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

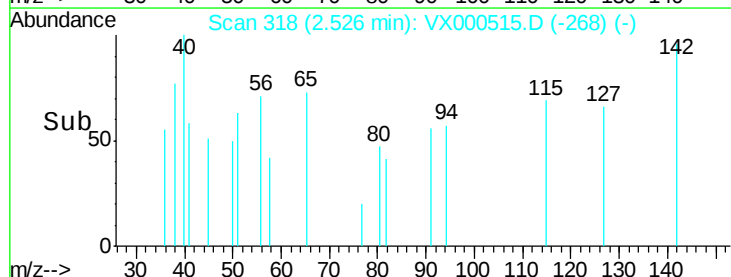
Ion 126.80 (126.50 to 127.50): V

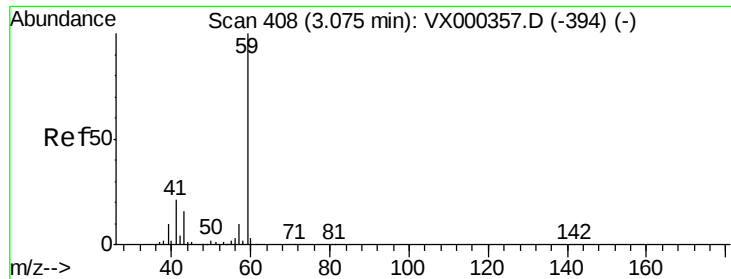
Ion 140.80 (140.50 to 141.50): V

2.53

Time-->

2.52 2.54 2.56

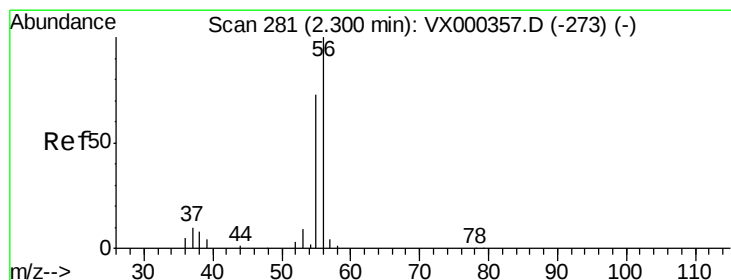
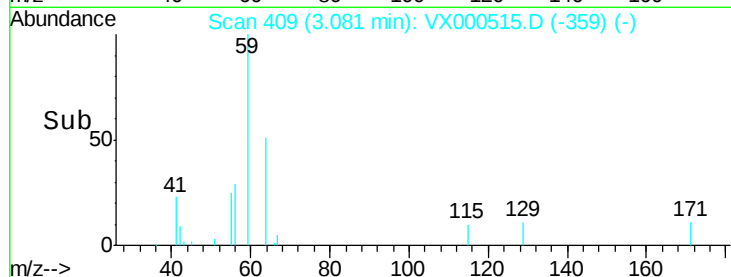
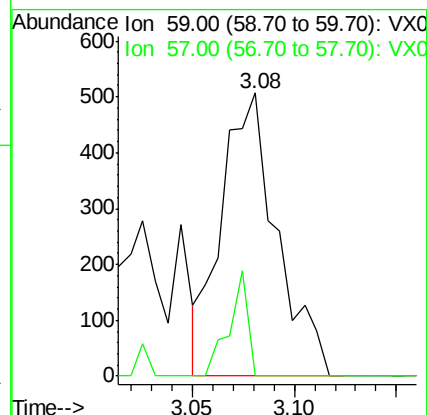
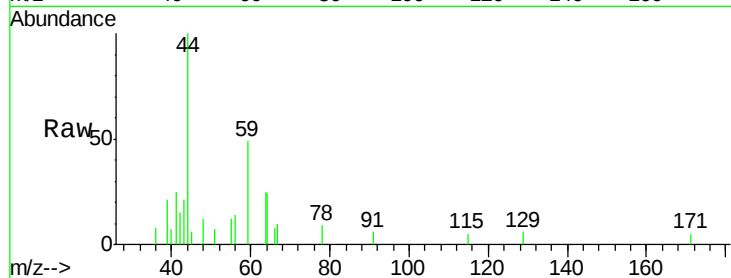




#11
Tert butyl alcohol
Concen: 1.73 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

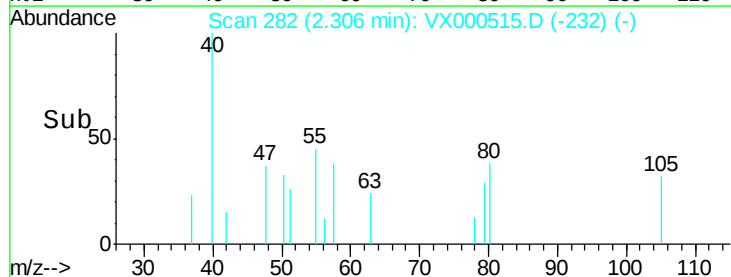
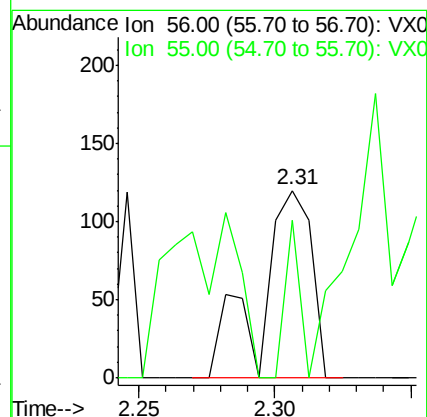
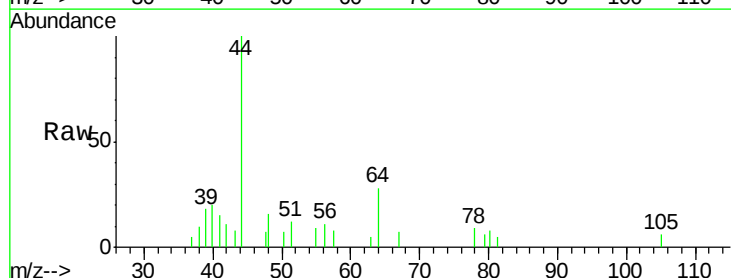
Instrument :
MSVOA_X
ClientSampled :
PZ-4

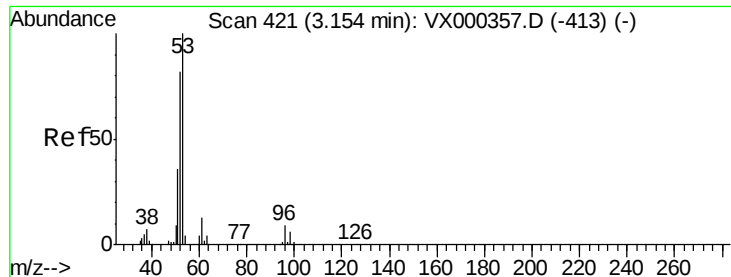
Tgt Ion: 59 Resp: 955
Ion Ratio Lower Upper
59 100
57 12.6 8.4 12.6



#13
Acrolein
Concen: 15.41 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 23.7 58.8 88.2#





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

PZ-4

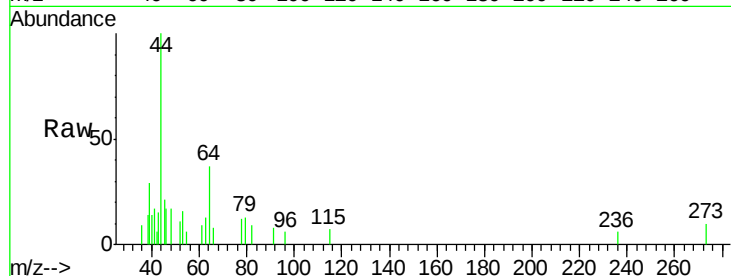
Tgt Ion: 53 Resp: 241

Ion Ratio Lower Upper

53 100

52 56.4 66.6 99.8#

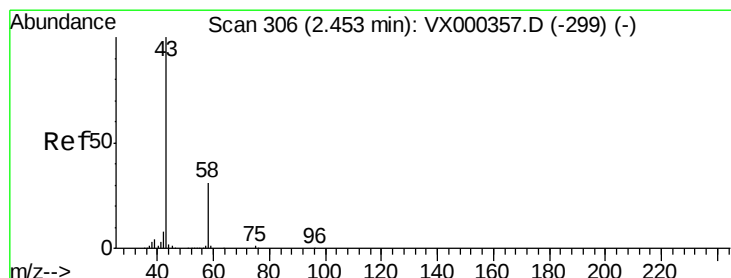
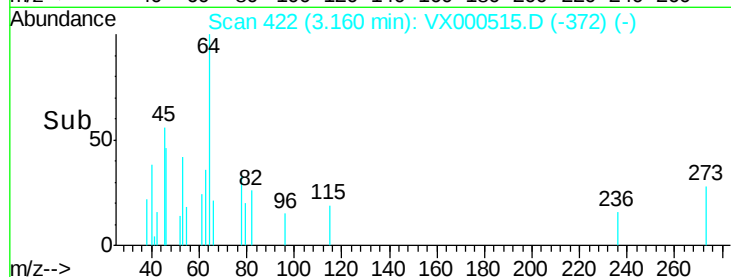
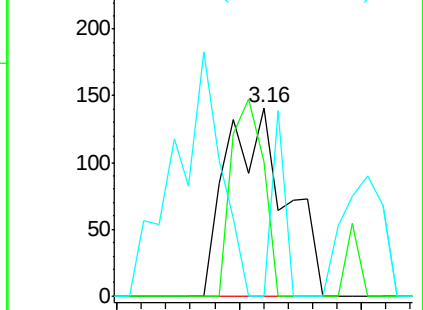
51 21.2 29.3 43.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.01 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000515.D

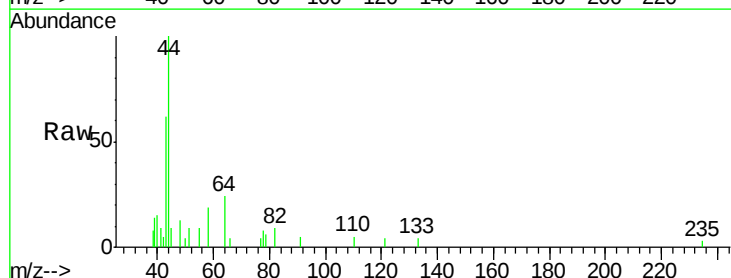
Acq: 29 Mar 2018 16:24

Tgt Ion: 43 Resp: 1347

Ion Ratio Lower Upper

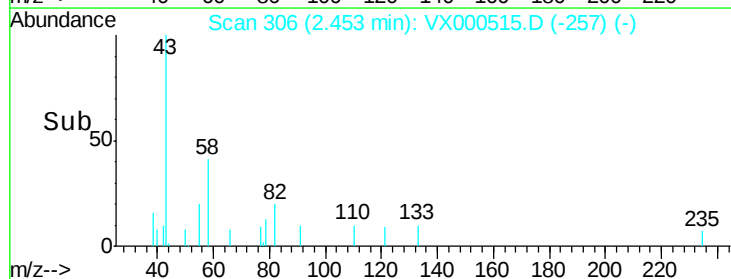
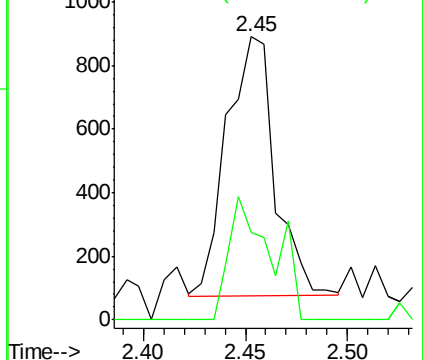
43 100

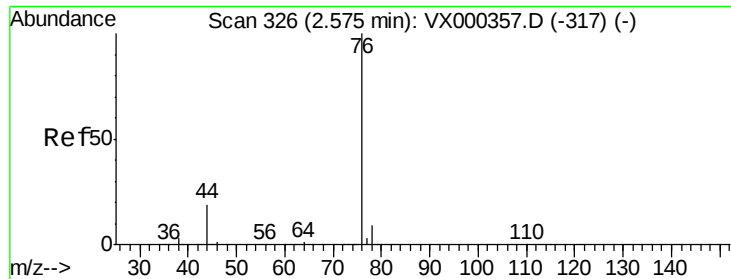
58 34.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

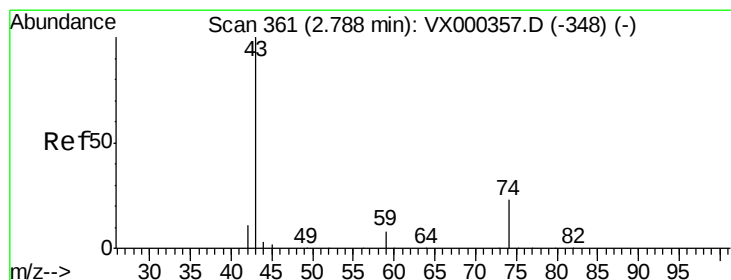
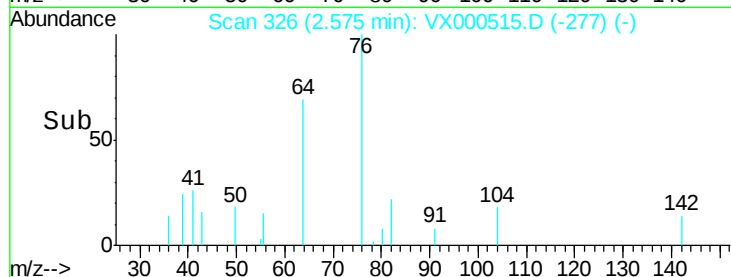
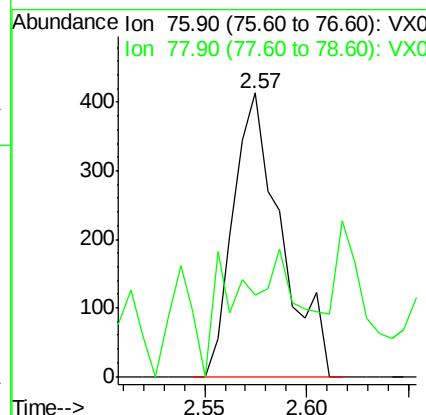
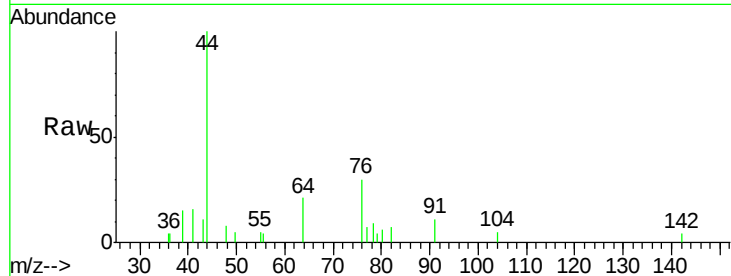




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

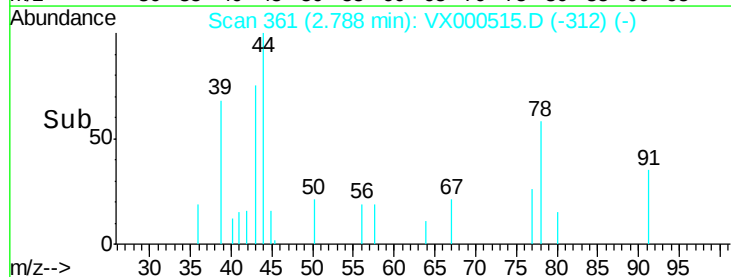
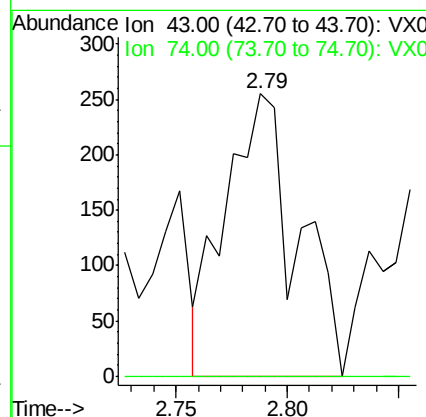
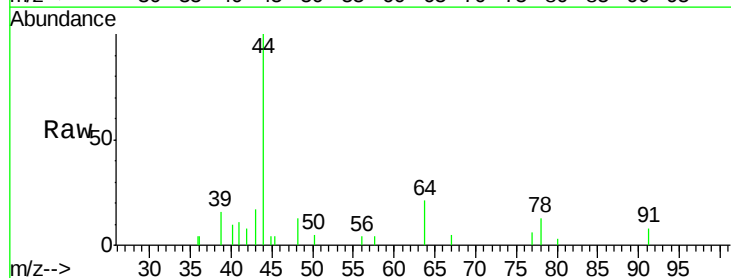
Instrument :
MSVOA_X
ClientSampleId :
PZ-4

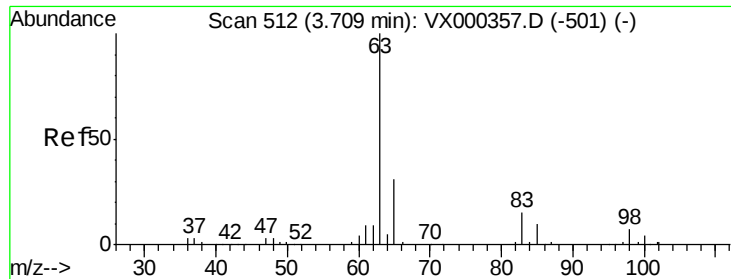
Tgt Ion: 76 Resp: 673
Ion Ratio Lower Upper
76 100
78 5.3 7.0 10.6#



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

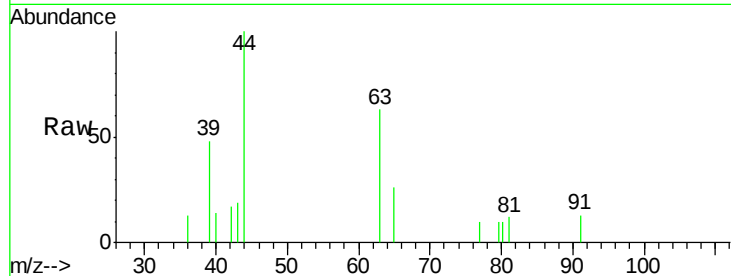




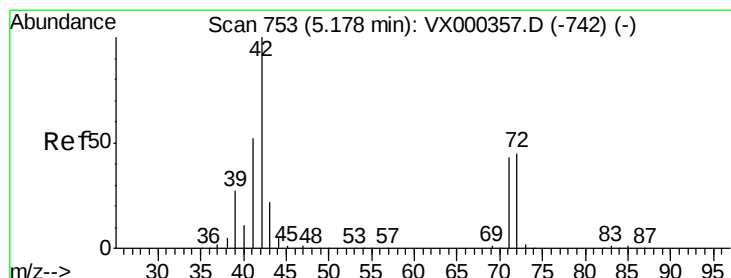
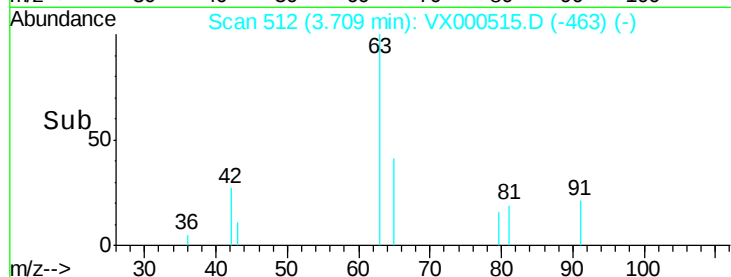
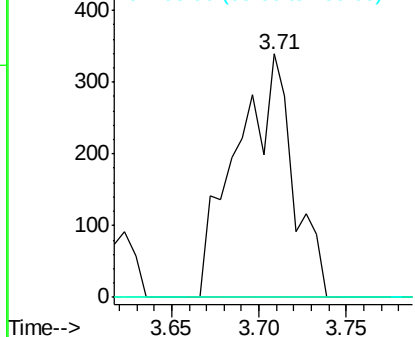
#24
 1,1-Dichloroethane
 Concen: 0.29 ug/l
 RT: 3.71 min Scan# 512
 Delta R.T. -0.00 min
 Lab File: VX000515.D
 Acq: 29 Mar 2018 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 PZ-4

Tgt Ion: 63 Resp: 766
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.9#
 100 0.0 2.0 5.8#

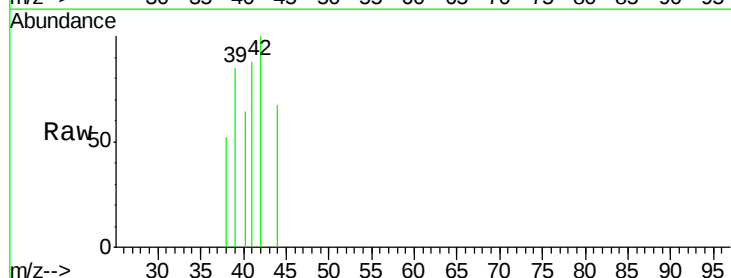


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0
 Ion 99.90 (99.60 to 100.60): VX0

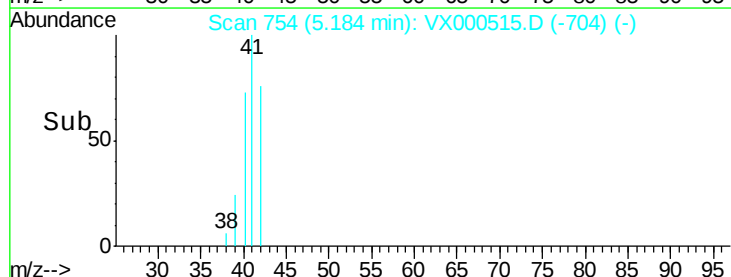
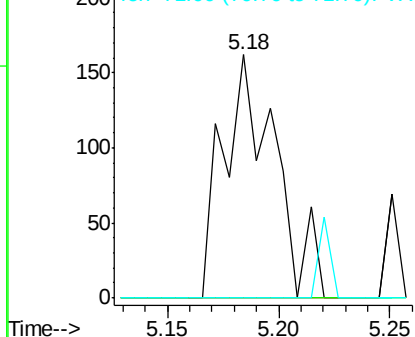


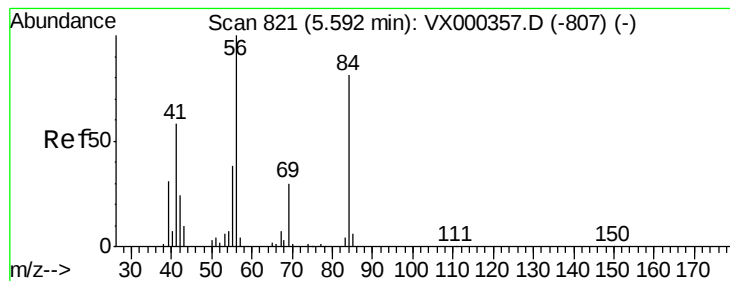
#29
 Tetrahydrofuran
 Concen: 0.29 ug/l
 RT: 5.18 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: VX000515.D
 Acq: 29 Mar 2018 16:24

Tgt Ion: 42 Resp: 264
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.9 56.9#
 71 0.0 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.57 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

PZ-4

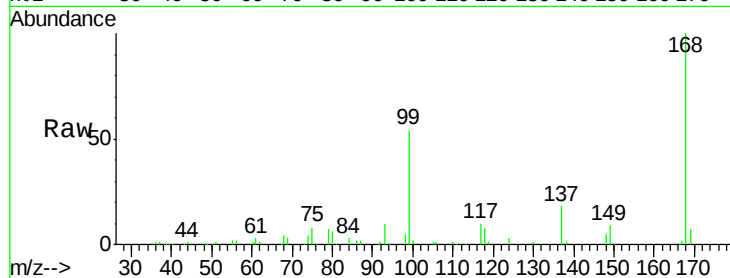
Tgt Ion: 56 Resp: 3179

Ion Ratio Lower Upper

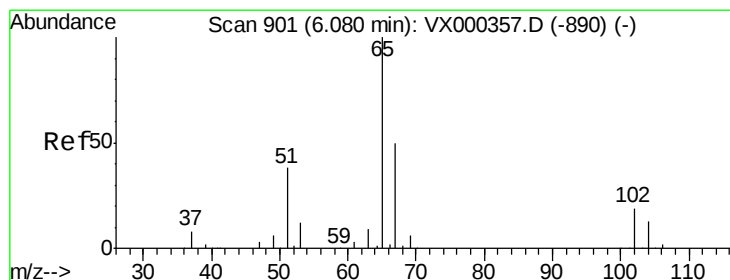
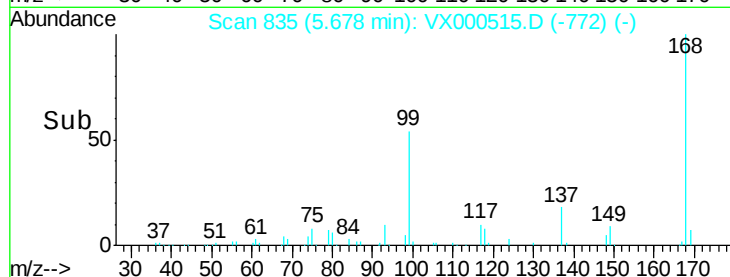
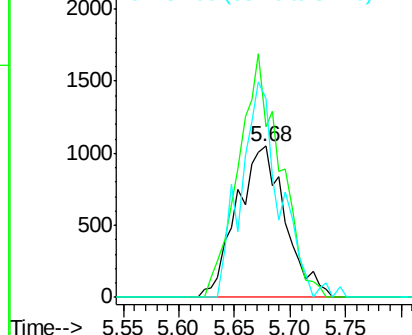
56 100

69 112.5 23.4 35.0#

84 131.6 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 58.67 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000515.D

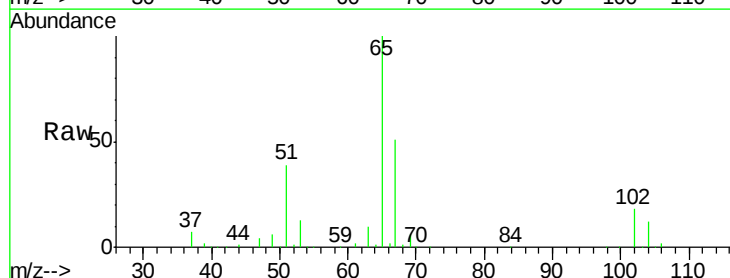
Acq: 29 Mar 2018 16:24

Tgt Ion: 65 Resp: 94023

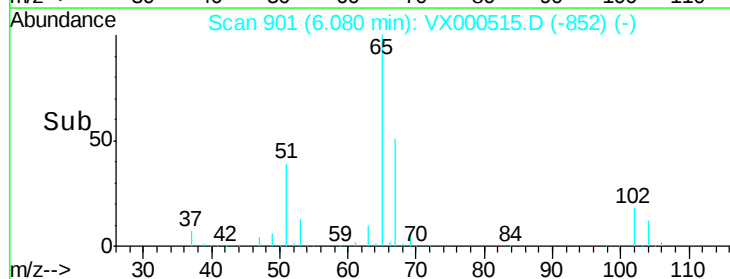
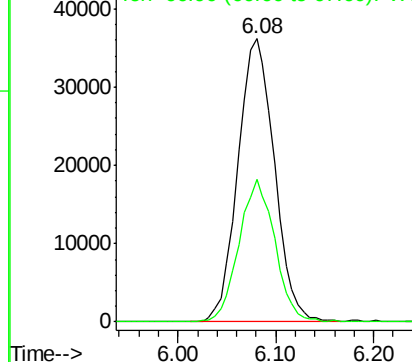
Ion Ratio Lower Upper

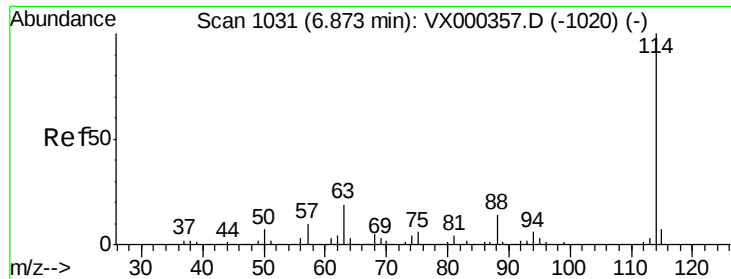
65 100

67 49.4 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

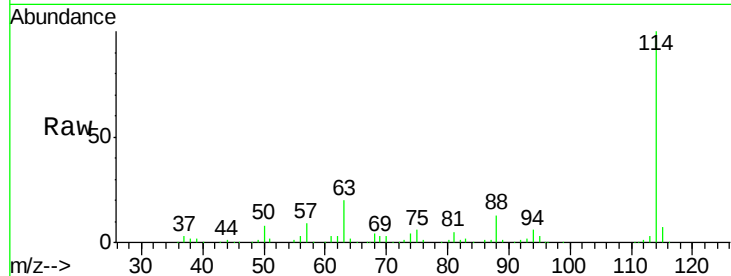




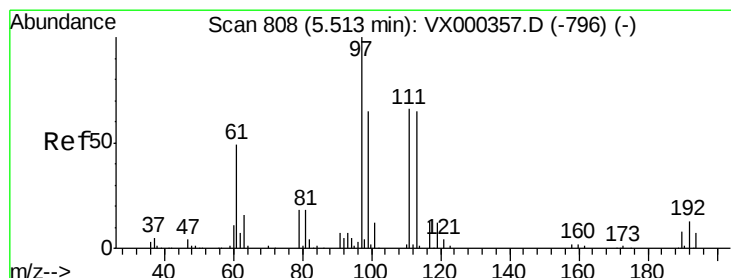
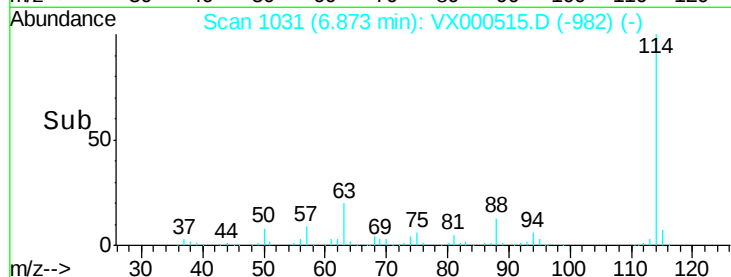
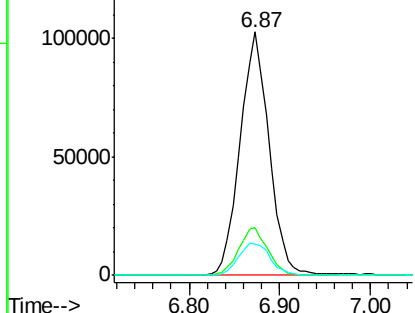
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000515.D
 Acq: 29 Mar 2018 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 PZ-4

Tgt Ion:114 Resp: 228523
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 13.1 0.0 27.0

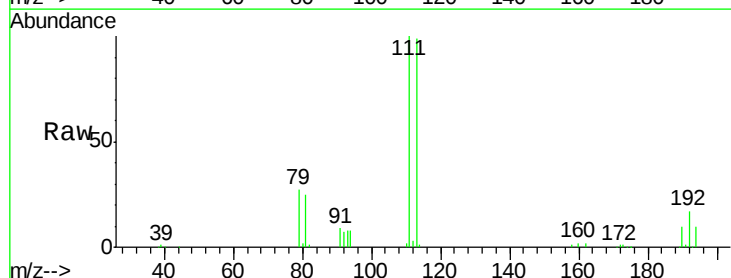


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

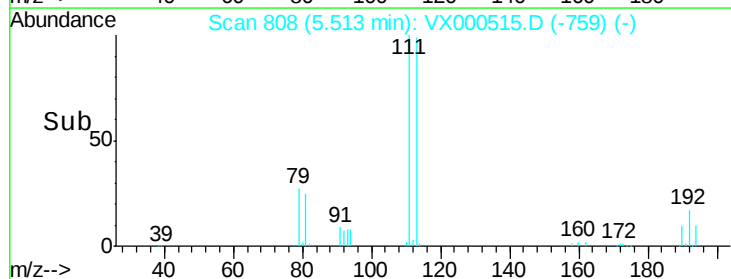
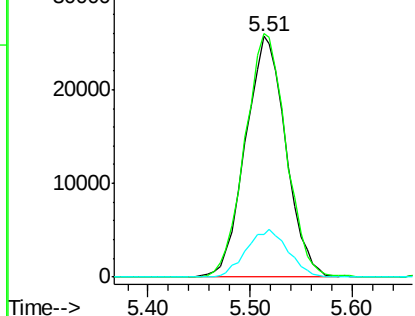


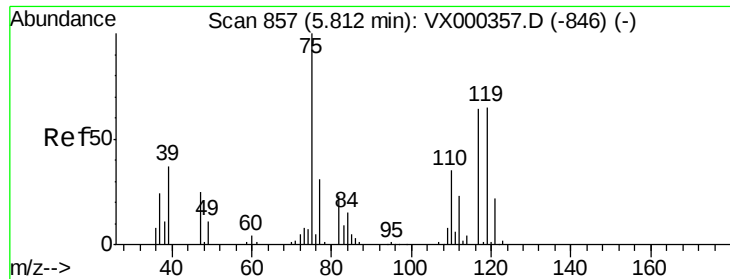
#35
 Dibromofluoromethane
 Concen: 49.08 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000515.D
 Acq: 29 Mar 2018 16:24

Tgt Ion:113 Resp: 70665
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 20.5 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

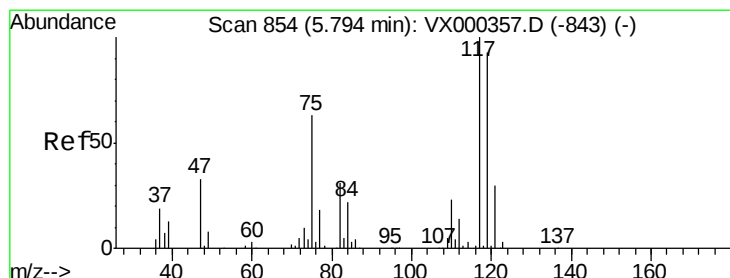
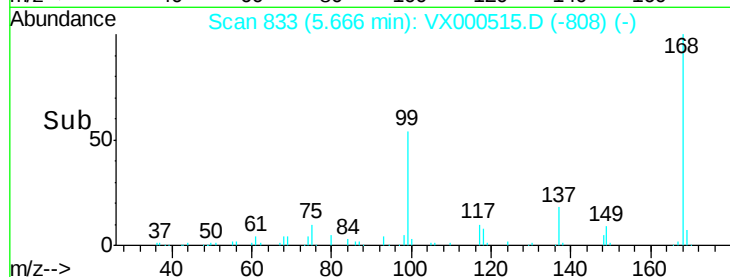
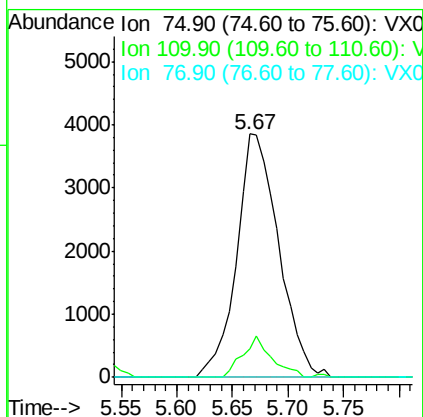
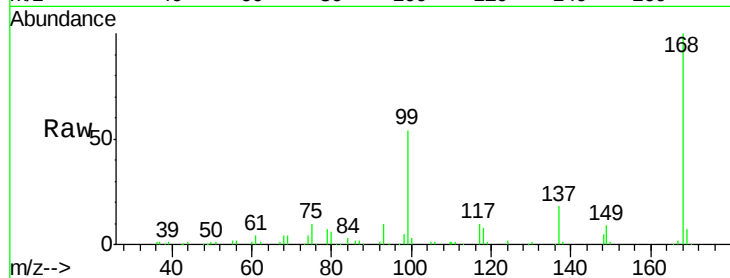




#36
 1,1-Dichloropropene
 Concen: 4.73 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: VX000515.D
 Acq: 29 Mar 2018 16:24

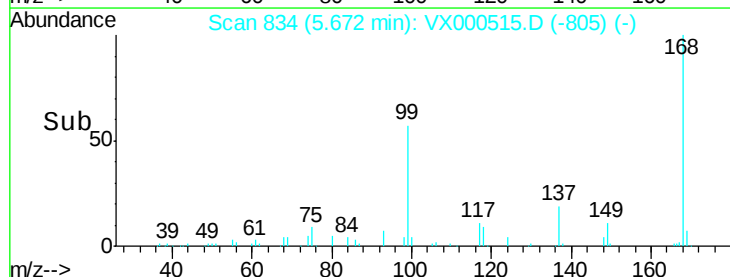
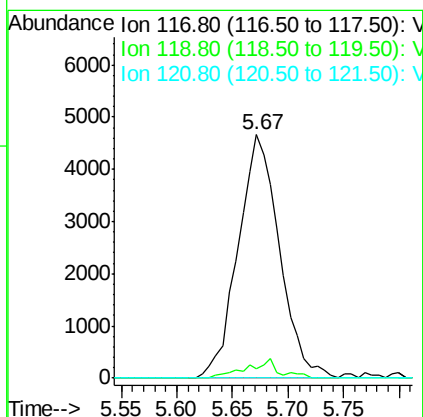
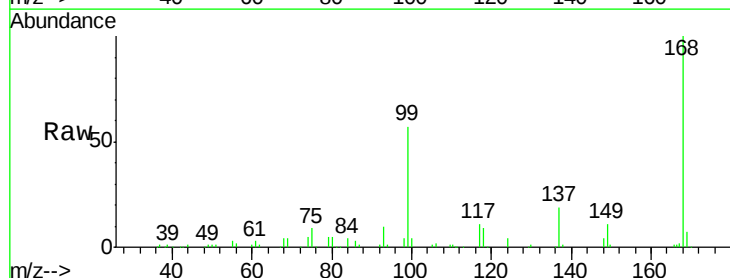
Instrument :
 MSVOA_X
 ClientSampled :
 PZ-4

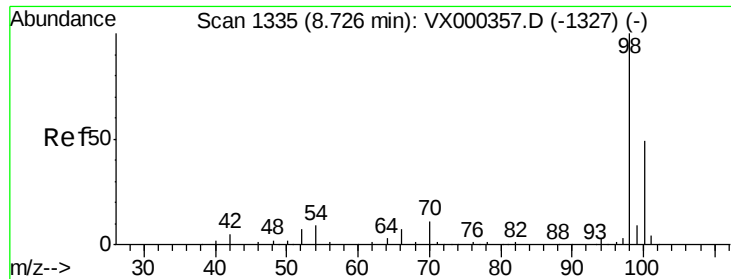
Tgt Ion: 75 Resp: 10128
 Ion Ratio Lower Upper
 75 100
 110 11.6 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.35 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000515.D
 Acq: 29 Mar 2018 16:24

Tgt Ion: 117 Resp: 12010
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.4 116.2#
 121 0.0 24.8 37.2#

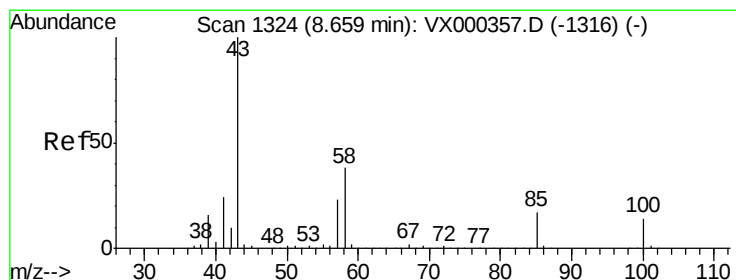
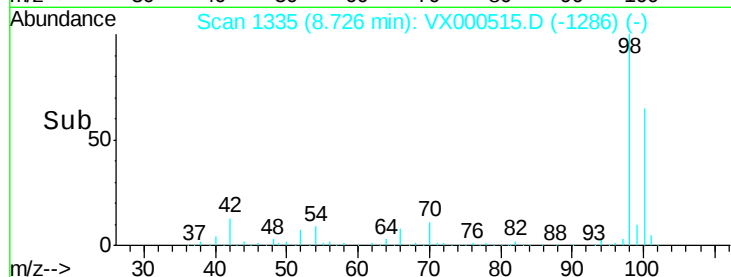
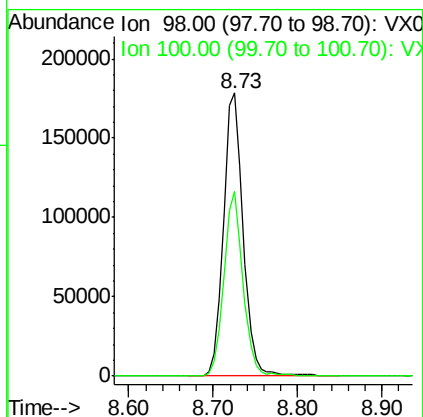
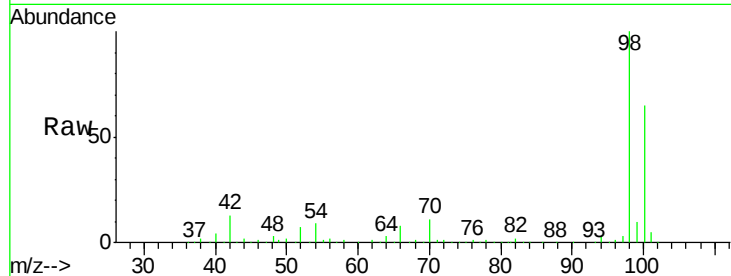




#50
Toluene-d8
Concen: 48.00 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

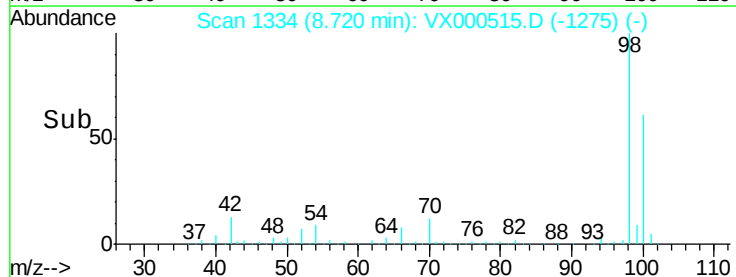
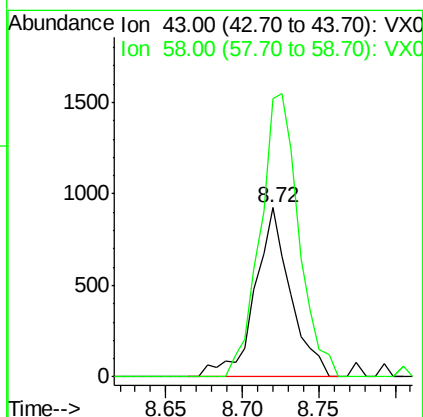
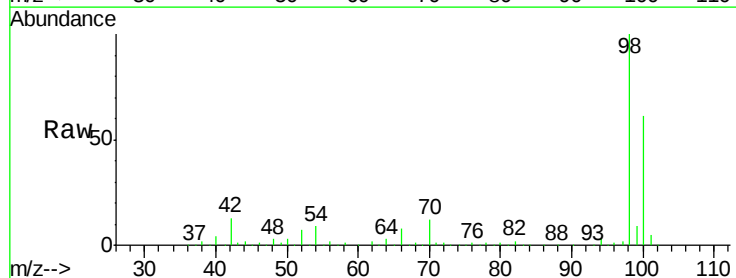
Instrument :
MSVOA_X
ClientSampled :
PZ-4

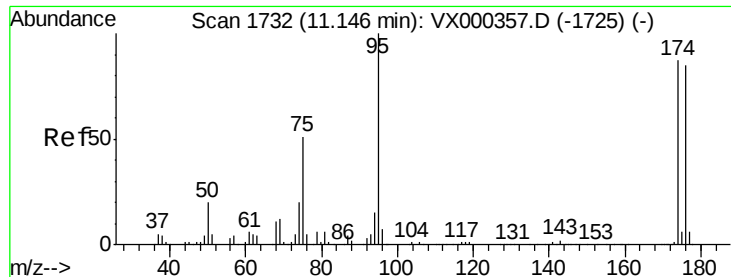
Tgt Ion: 98 Resp: 286243
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
58 180.3 30.3 45.5#

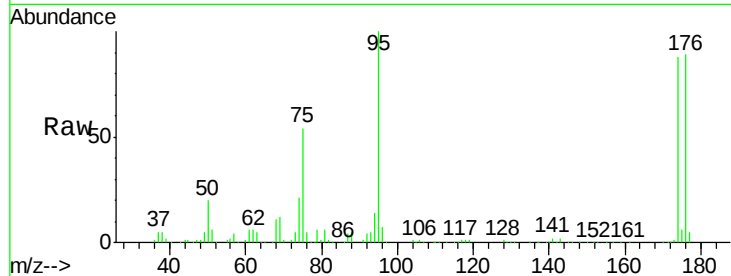




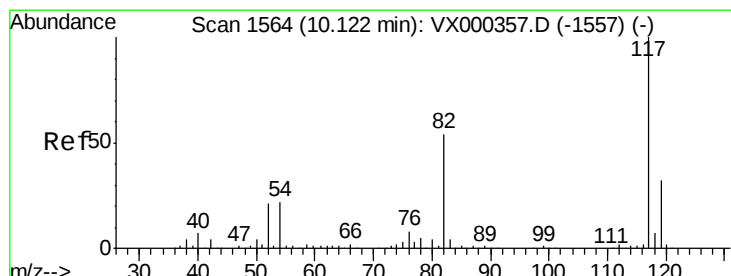
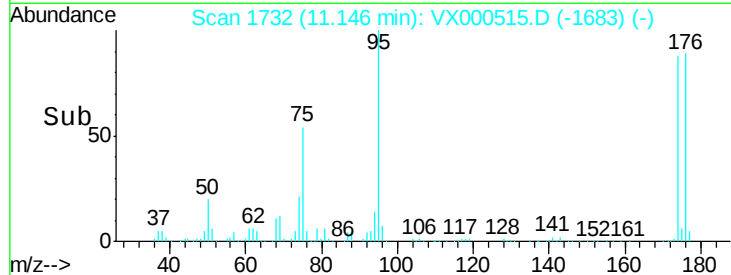
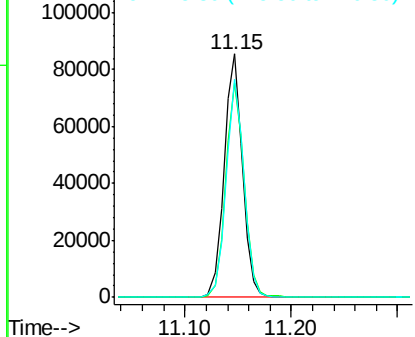
#62
4-Bromofluorobenzene
Concen: 41.84 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
PZ-4

Tgt Ion: 95 Resp: 102533
Ion Ratio Lower Upper
95 100
174 89.0 0.0 173.6
176 87.9 0.0 164.6

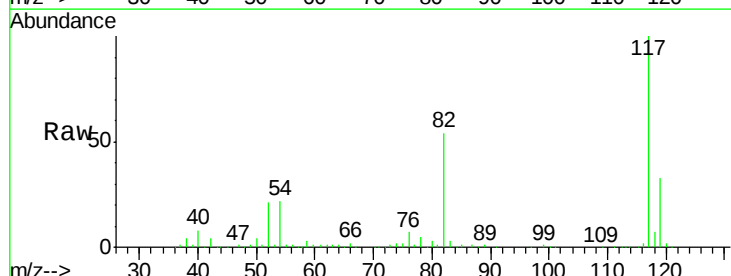


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

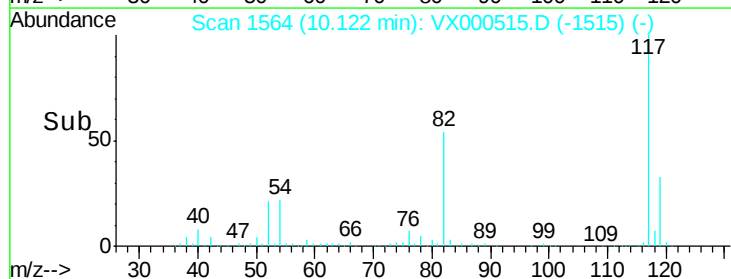
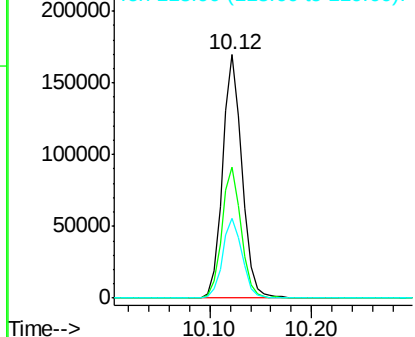


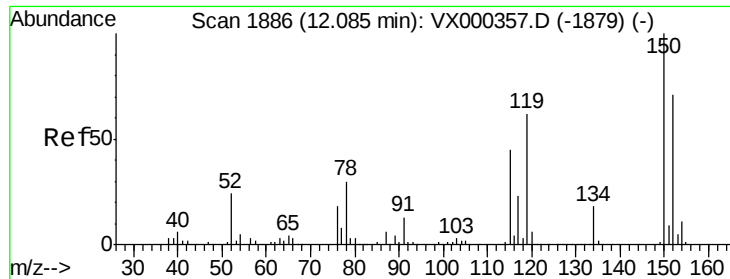
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

Tgt Ion: 117 Resp: 224699
Ion Ratio Lower Upper
117 100
82 53.6 43.8 65.8
119 32.5 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

PZ-4

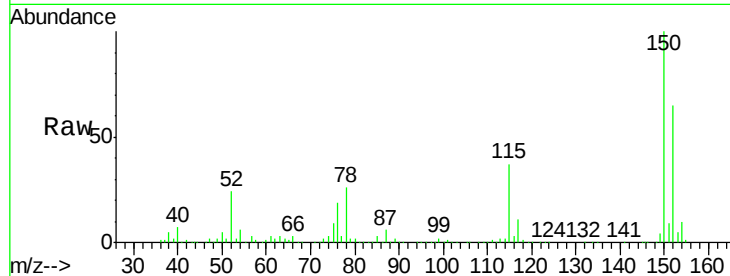
Tgt Ion:152 Resp: 118300

Ion Ratio Lower Upper

152 100

115 57.2 39.8 119.3

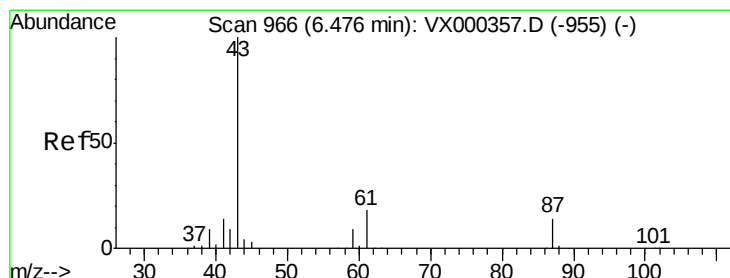
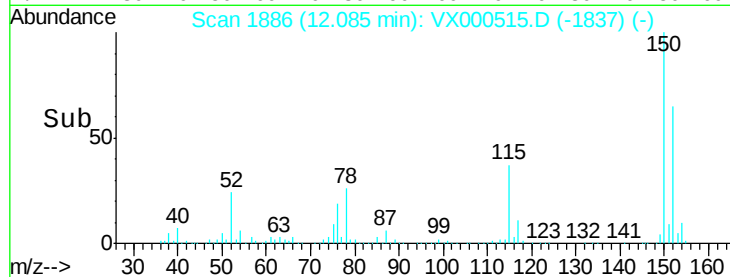
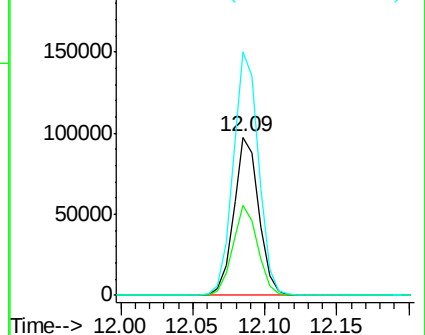
150 157.0 0.0 344.4



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: 6.51 min Scan# 972

Delta R.T. 0.04 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

Tgt Ion: 43 Resp: 46

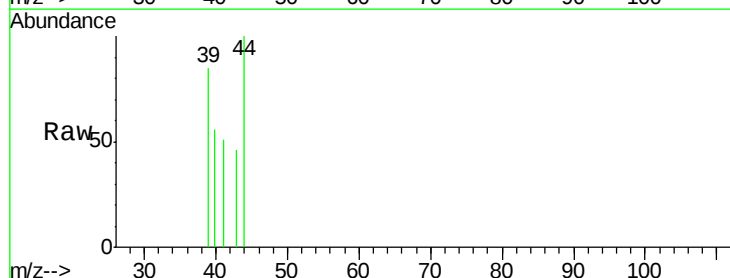
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

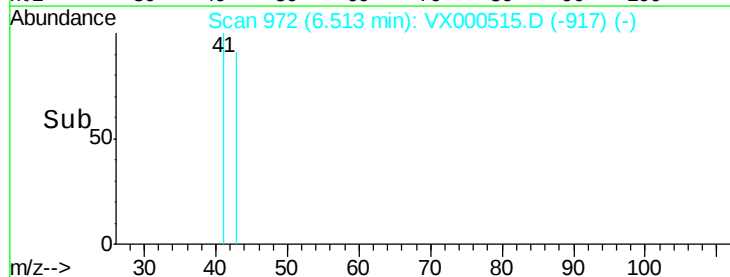
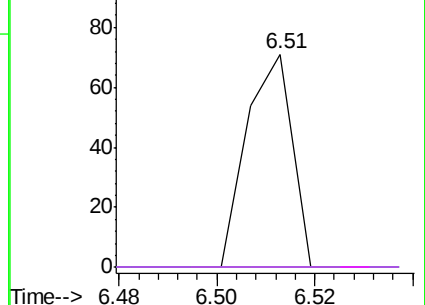


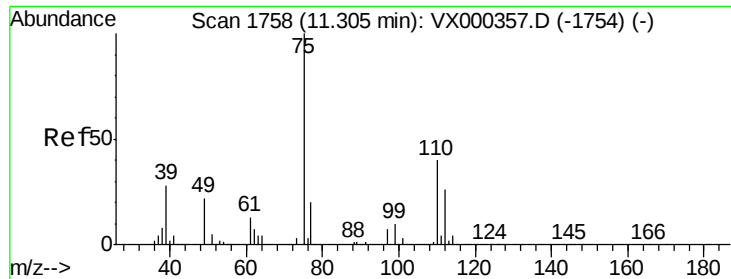
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.41 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

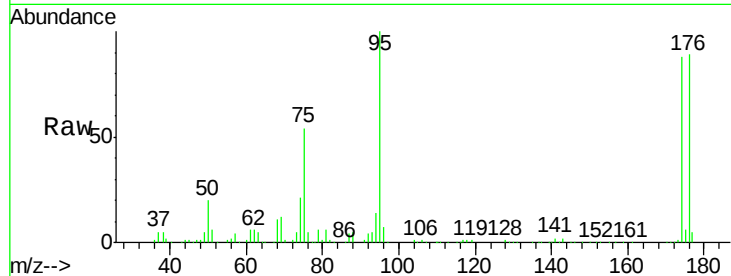
PZ-4

Tgt Ion: 75 Resp: 56983

Ion Ratio Lower Upper

75 100

77 1.1 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

50000

40000

30000

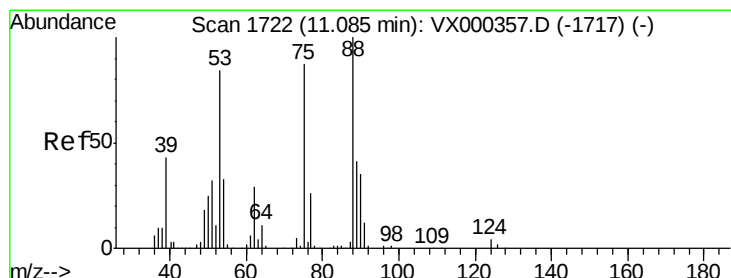
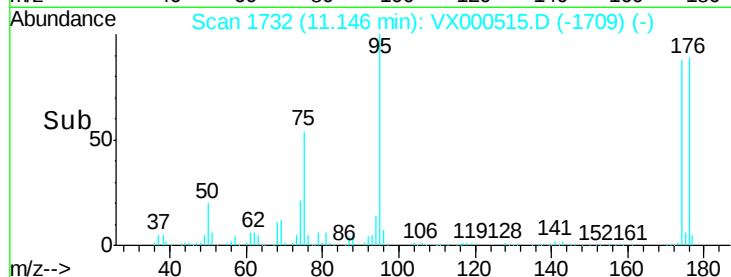
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 72.56 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000515.D

Acq: 29 Mar 2018 16:24

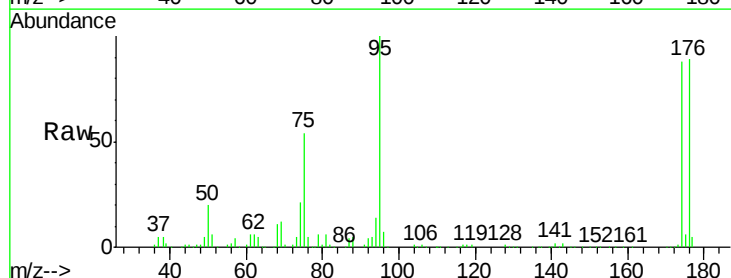
Tgt Ion: 75 Resp: 56983

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.15

60000

50000

40000

30000

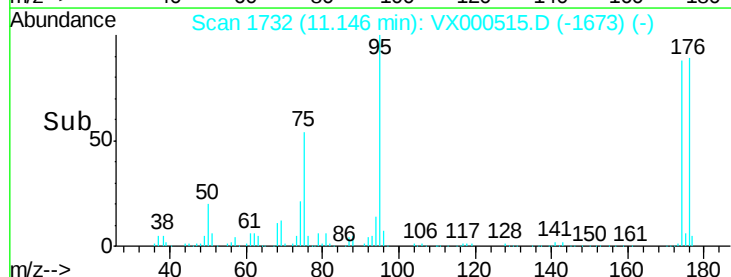
20000

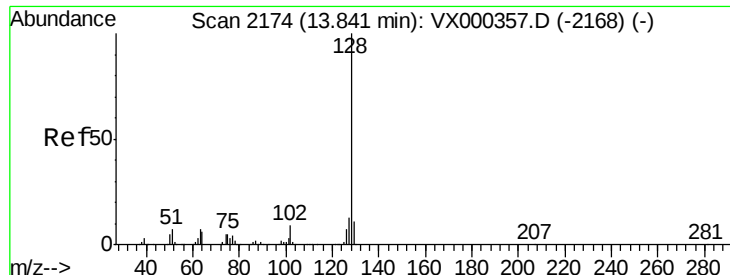
10000

0

Time-->

11.10 11.20





#95
Naphthalene
Concen: 0.35 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000515.D
Acq: 29 Mar 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
PZ-4

Tgt Ion:128 Resp: 3335
Ion Ratio Lower Upper
128 100
127 16.4 10.6 15.8#
129 15.8 8.9 13.3#

