

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000576.D
 Acq On : 30 Mar 2018 22:12
 Operator : JC/MD
 Sample : J2131-07 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT24482

Quant Time: Mar 31 05:05:29 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	129891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	221415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	223280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	120529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	90357	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	5.51	113	69845	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	8.73	98	281080	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.15	95	102525	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	

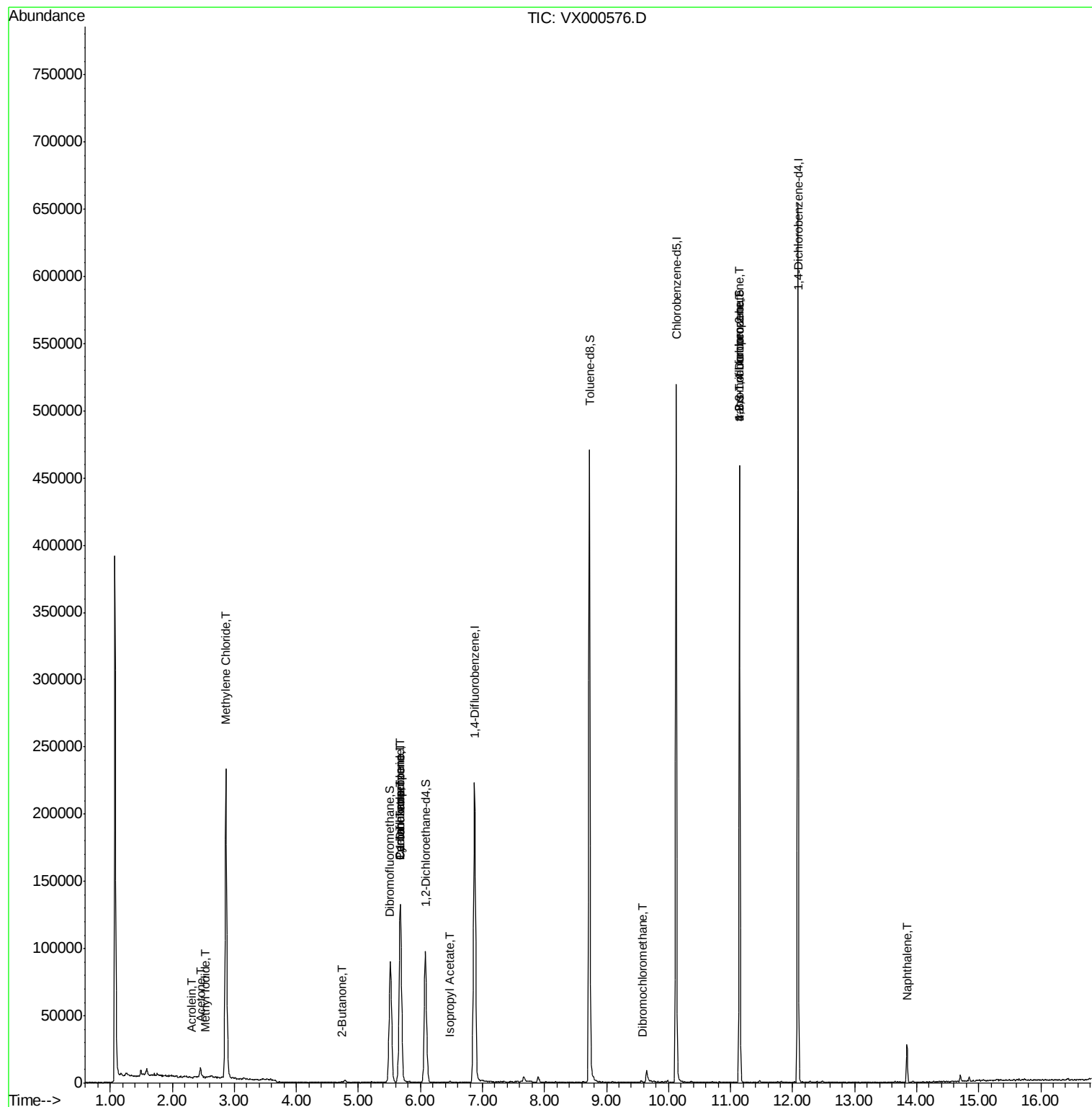
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	328	Below Cal	#	44
10) Methyl Iodide	2.53	142	77	4.32	ug/l #	72
13) Acrolein	2.31	56	182	15.50	ug/l #	13
14) Allyl chloride	2.73	41	154	Below Cal	#	4
16) Acetone	2.45	43	7521	5.33	ug/l	93
20) Methylene Chloride	2.87	84	105439	64.72	ug/l	97
25) 2-Butanone	4.72	43	764	0.48	ug/l #	49
31) Cyclohexane	5.68	56	3320	1.55	ug/l #	14
36) 1,1-Dichloropropene	5.68	75	10170	4.90	ug/l #	52
38) Carbon Tetrachloride	5.67	117	13627	6.26	ug/l #	16
43) Isopropyl Acetate	6.48	43	1121	0.27	ug/l #	69
60) Dibromochloromethane	9.59	129	68	4.15	ug/l #	12
74) N-amyl acetate	6.48	43	1121	Below Cal	#	71
76) 1,2,3-Trichloropropane	11.15	75	58190	22.46	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	58190	72.73	ug/l #	9
95) Naphthalene	13.84	128	16796	1.71	ug/l	99

(#) = 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: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

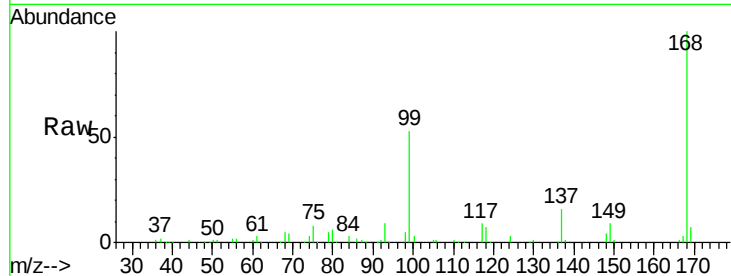
CHRT24482

Tgt Ion:168 Resp: 129891

Ion Ratio Lower Upper

168 100

99 53.0 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

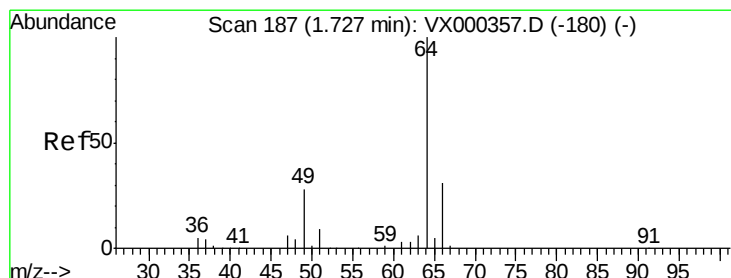
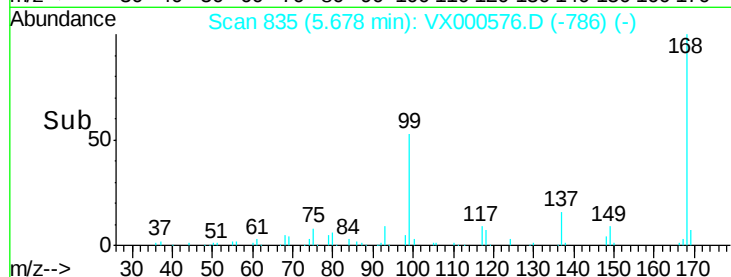
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000576.D

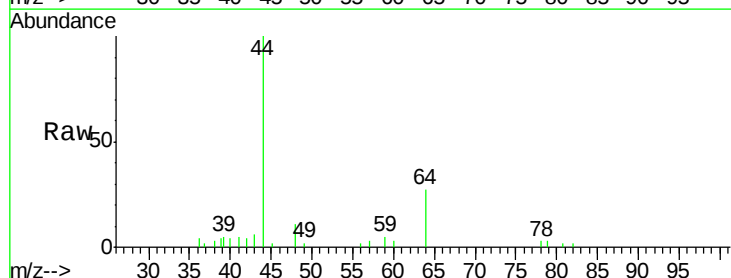
Acq: 30 Mar 2018 22:12

Tgt Ion: 64 Resp: 328

Ion Ratio Lower Upper

64 100

66 0.0 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

1000

800

600

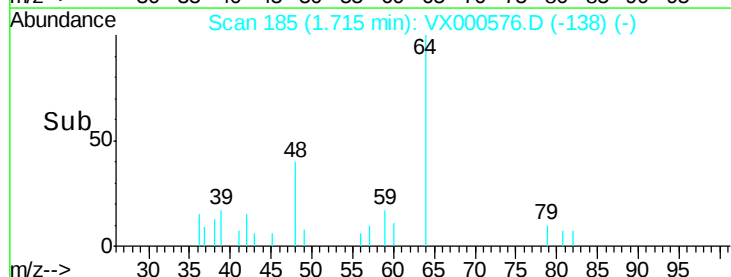
400

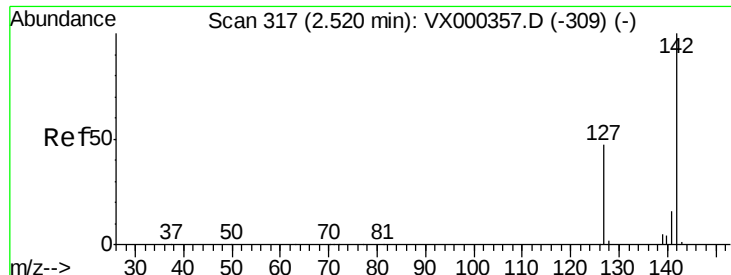
200

0

Time-->

1.70 1.71 1.72 1.73 1.74

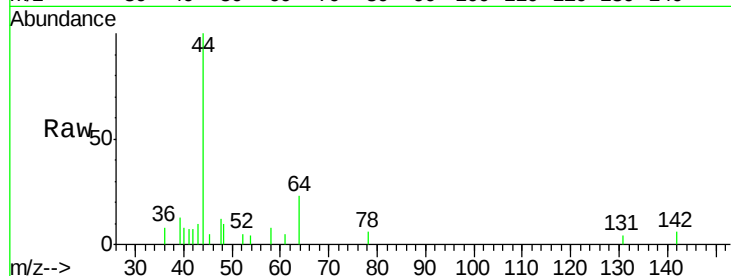




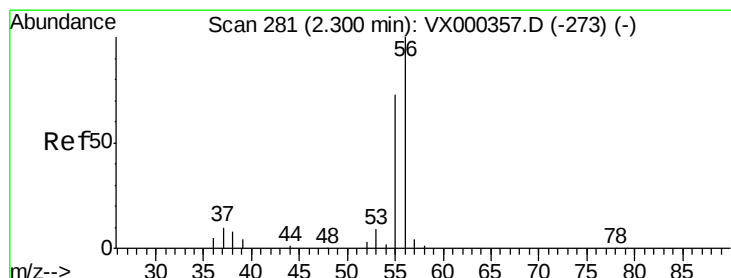
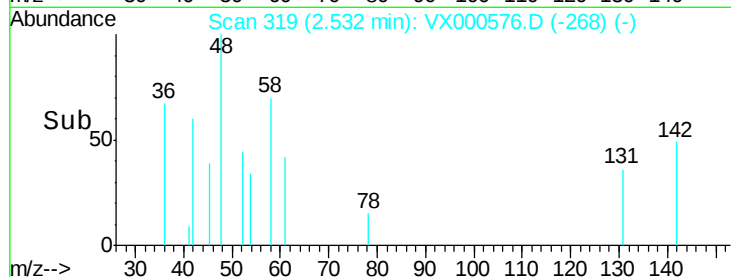
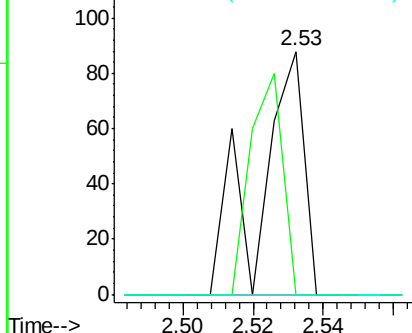
#10
Methyl Iodide
Concen: 4.32 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX000576.D
Acq: 30 Mar 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
CHRT24482

Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 66.2 39.2 58.8#
141 0.0 11.7 17.5#

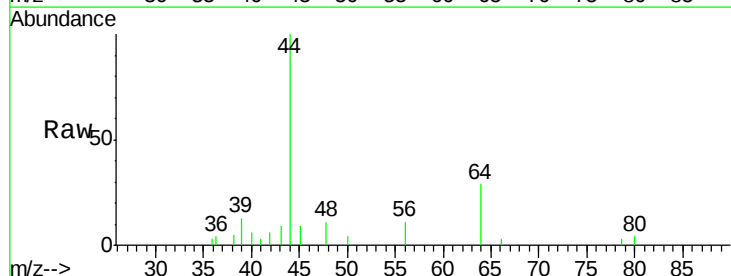


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

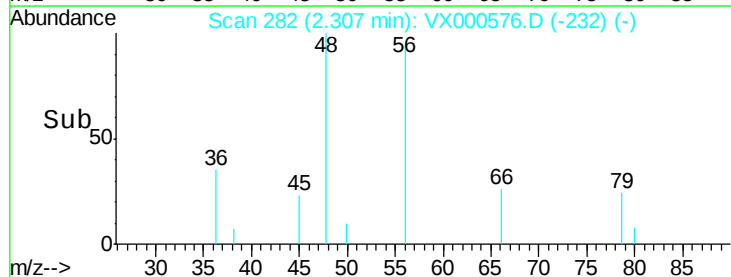
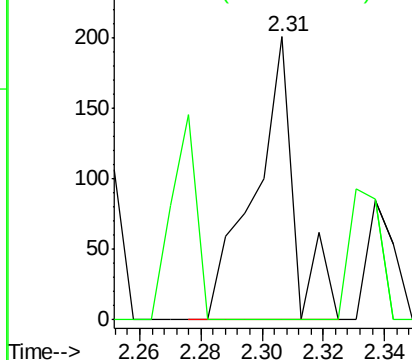


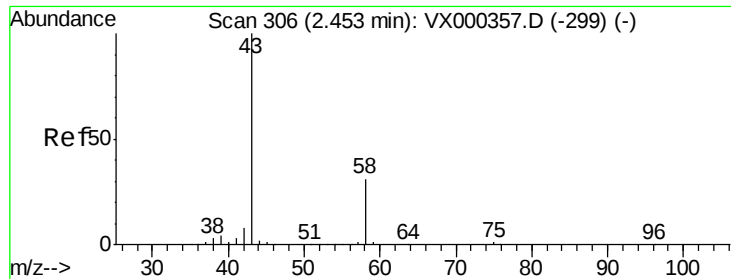
#13
Acrolein
Concen: 15.50 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000576.D
Acq: 30 Mar 2018 22:12

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.33 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

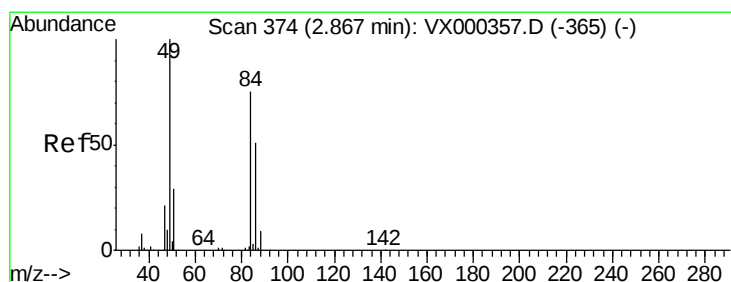
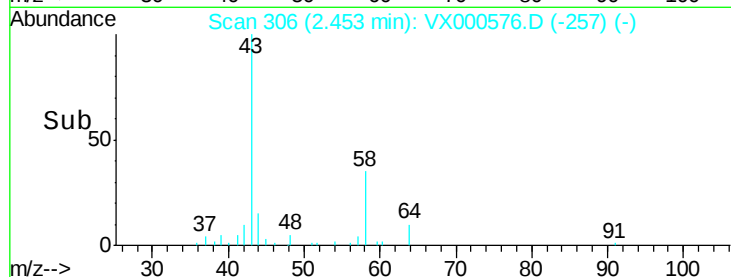
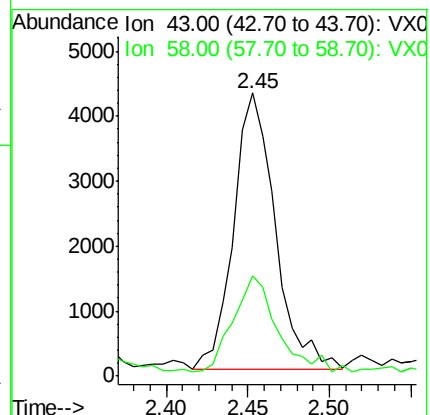
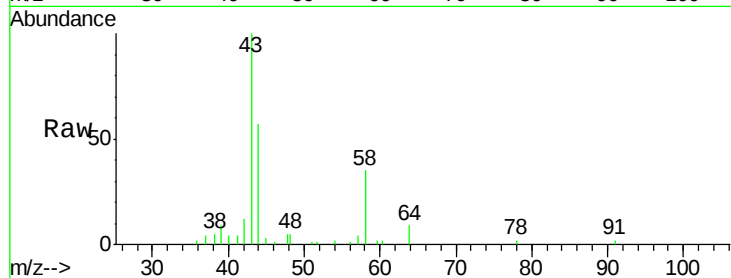
CHRT24482

Tgt Ion: 43 Resp: 7521

Ion Ratio Lower Upper

43 100

58 34.5 24.7 37.1



#20

Methylene Chloride

Concen: 64.72 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Tgt Ion: 84 Resp: 105439

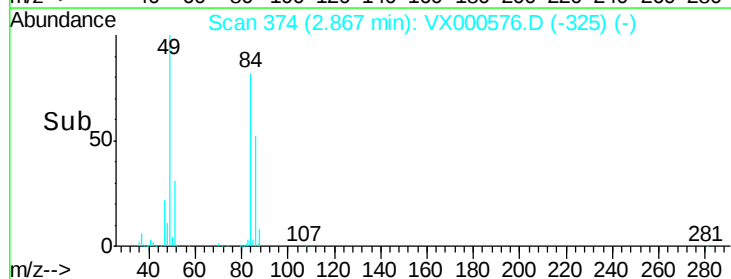
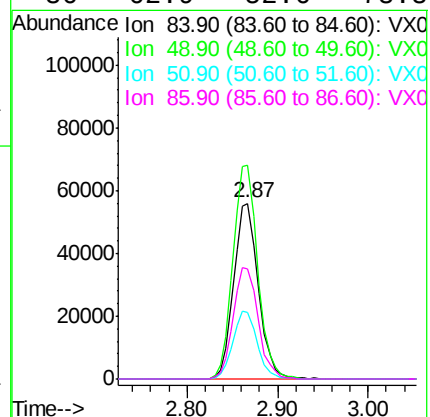
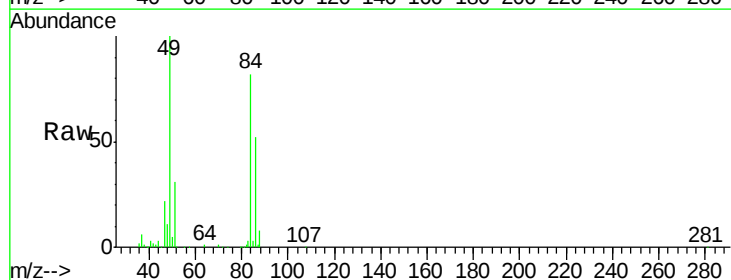
Ion Ratio Lower Upper

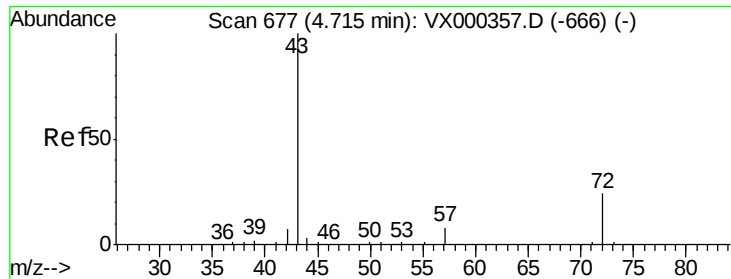
84 100

49 121.8 100.6 151.0

51 37.9 31.6 47.4

86 62.9 52.6 78.8





#25

2-Butanone

Concen: 0.48 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

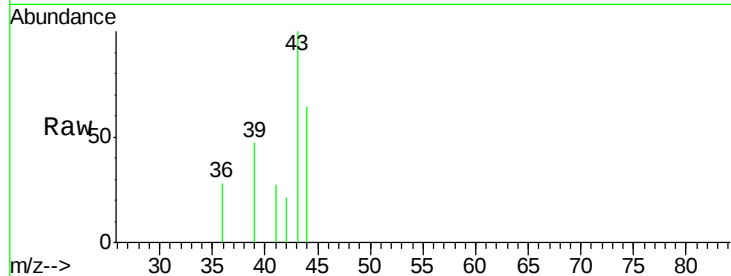
CHRT24482

Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

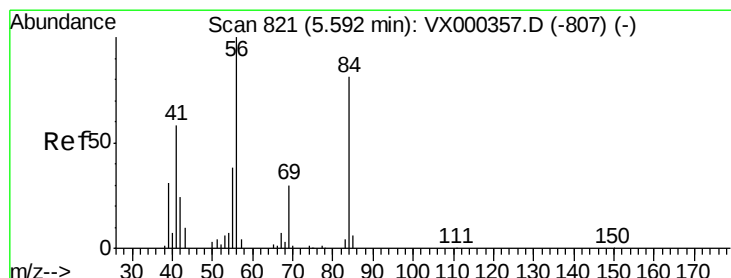
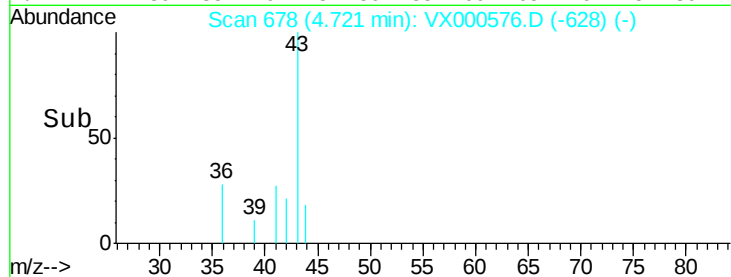
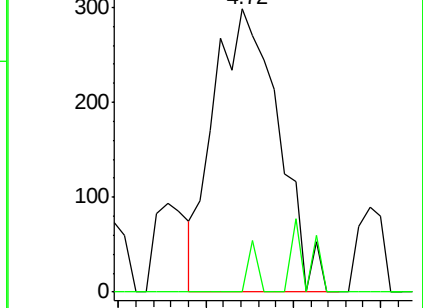
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.55 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

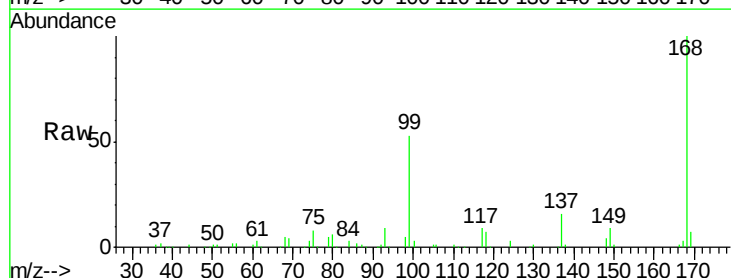
Tgt Ion: 56 Resp: 3320

Ion Ratio Lower Upper

56 100

69 164.4 23.4 35.0#

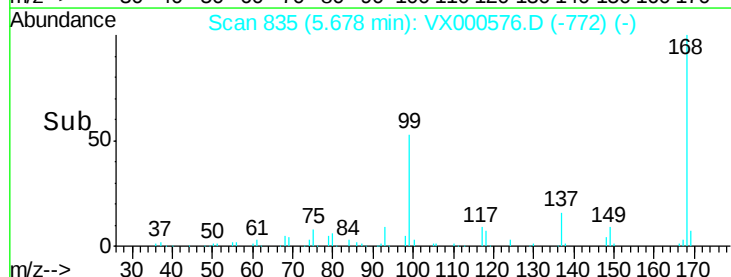
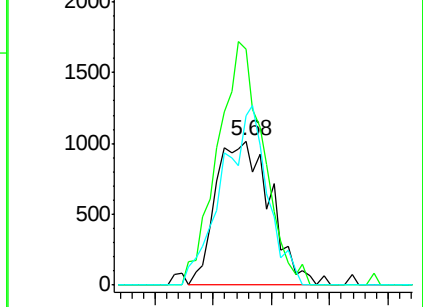
84 117.6 71.0 106.4#

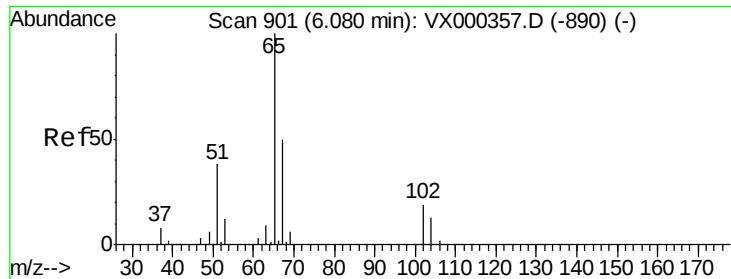


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.29 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

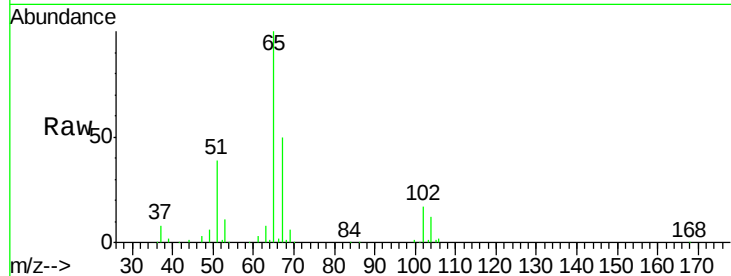
CHRT24482

Tgt Ion: 65 Resp: 90357

Ion Ratio Lower Upper

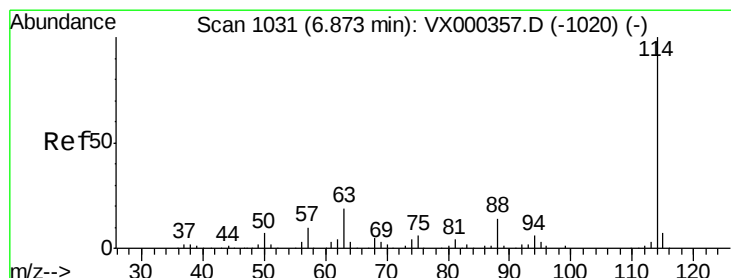
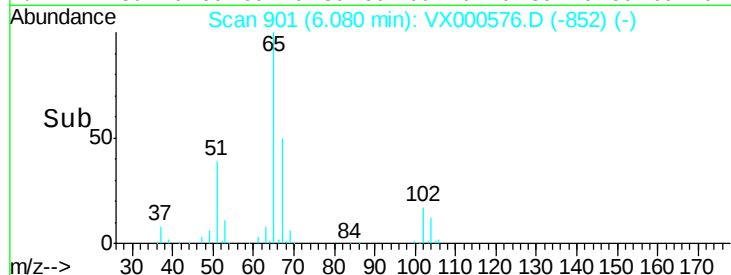
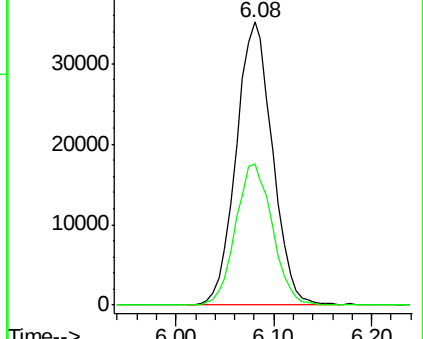
65 100

67 50.7 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: VX000576.D

Acq: 30 Mar 2018 22:12

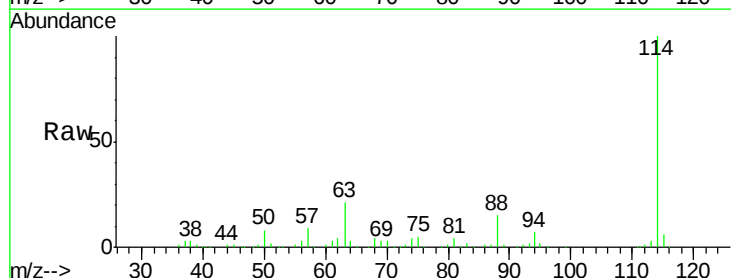
Tgt Ion: 114 Resp: 221415

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

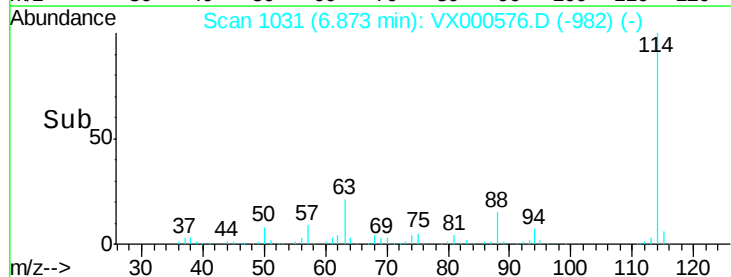
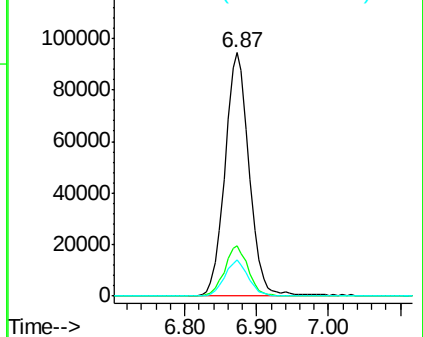
88 14.7 0.0 27.0

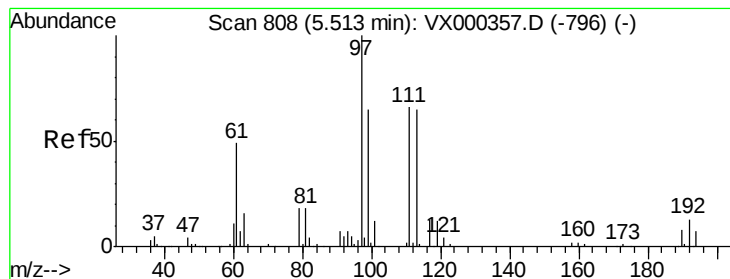


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.06 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

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MSVOA_X

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CHRT24482

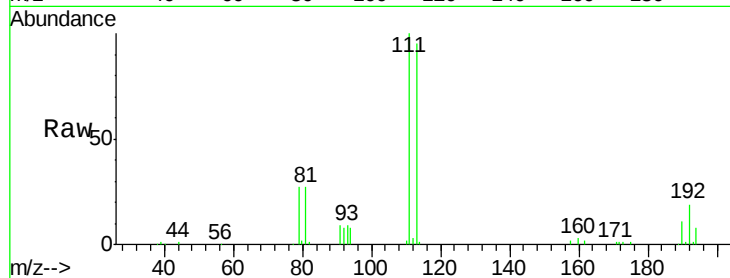
Tgt Ion:113 Resp: 69845

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

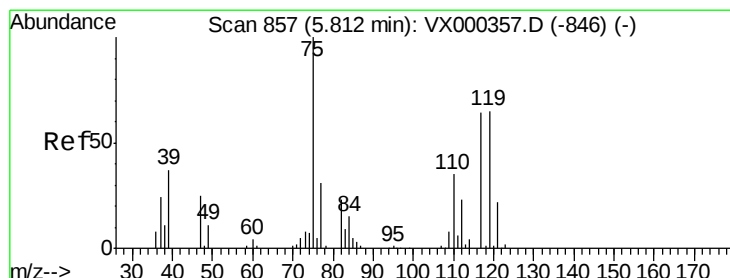
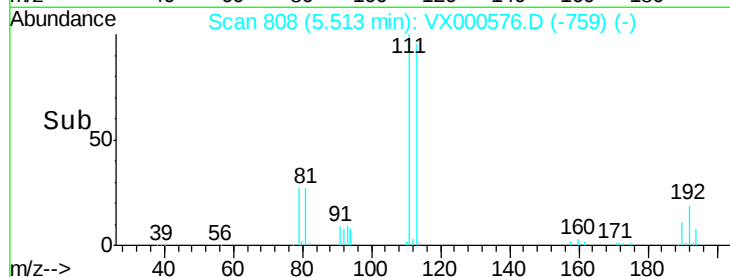
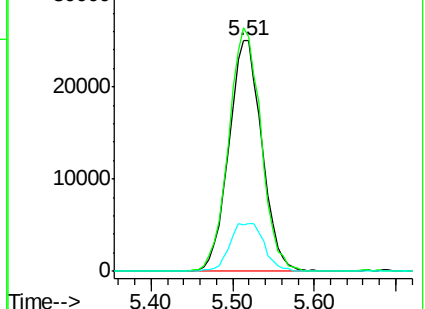
192 21.6 15.8 23.6



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: 4.90 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

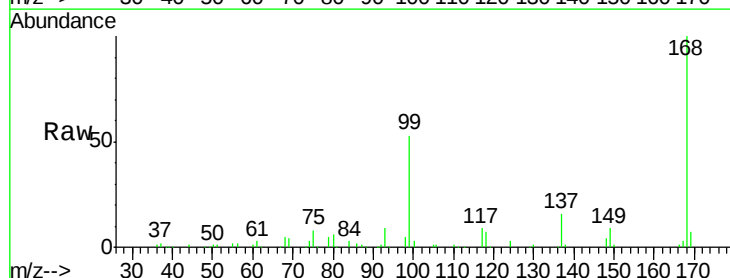
Tgt Ion: 75 Resp: 10170

Ion Ratio Lower Upper

75 100

110 11.3 17.9 53.7#

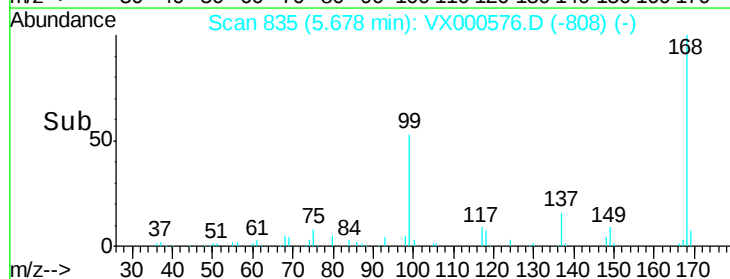
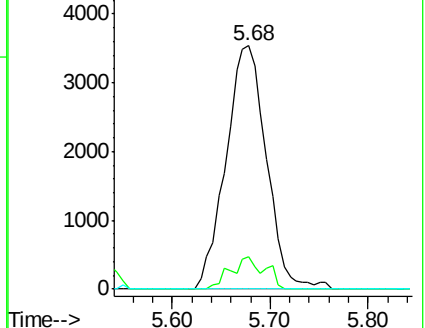
77 0.0 24.0 36.0#

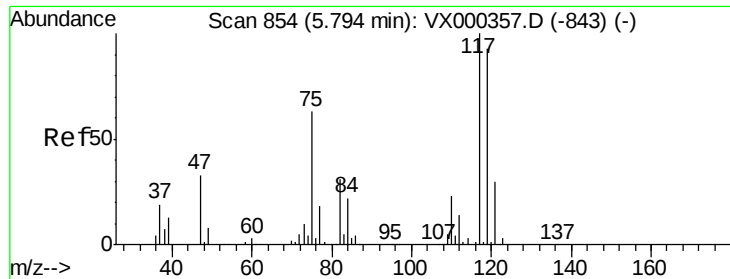


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

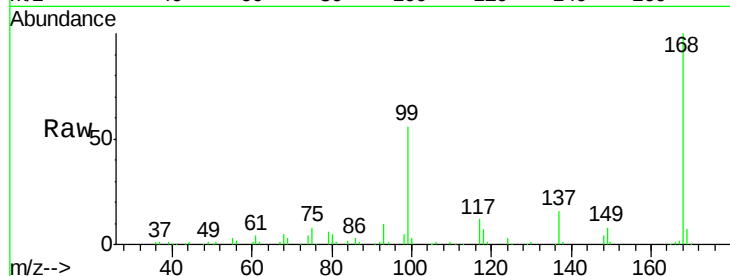




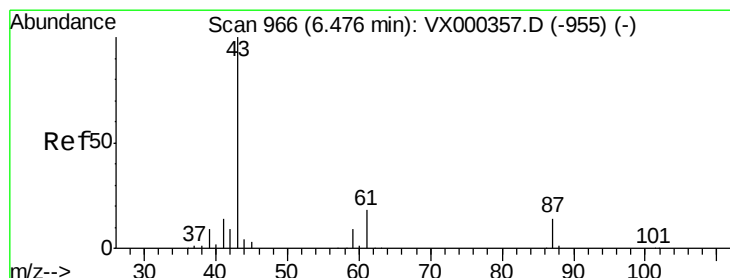
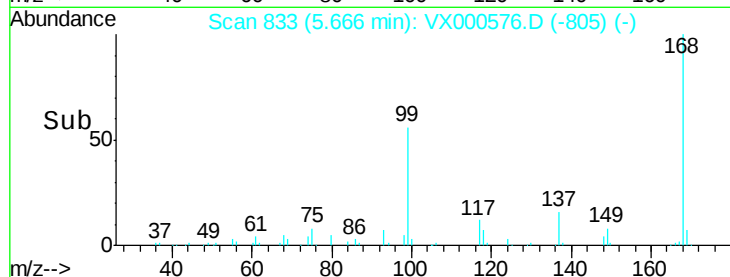
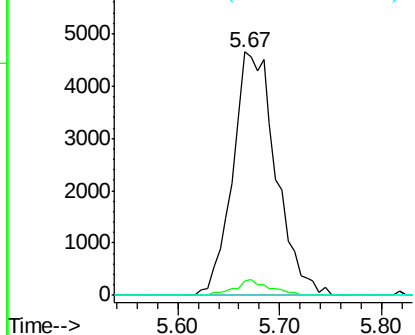
#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX000576.D
Acq: 30 Mar 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
CHRT24482

Tgt Ion: 117 Resp: 13627
Ion Ratio Lower Upper
117 100
119 6.0 77.4 116.2#
121 0.0 24.8 37.2#

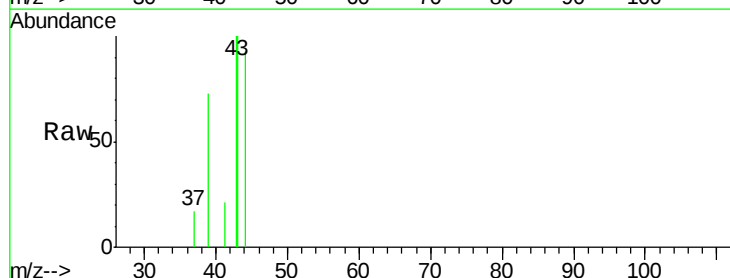


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

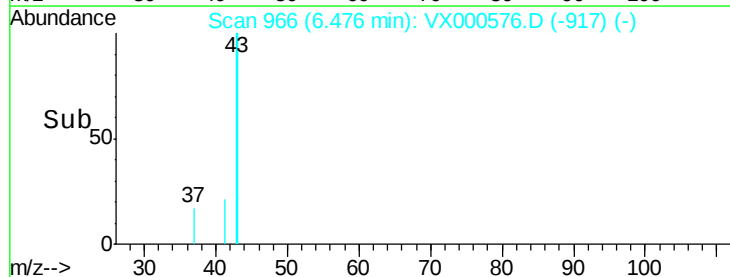
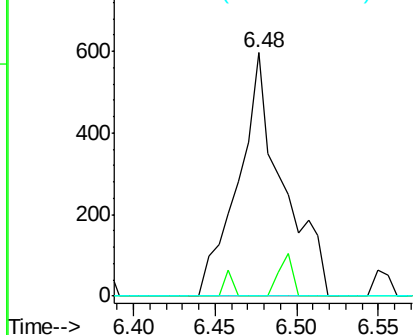


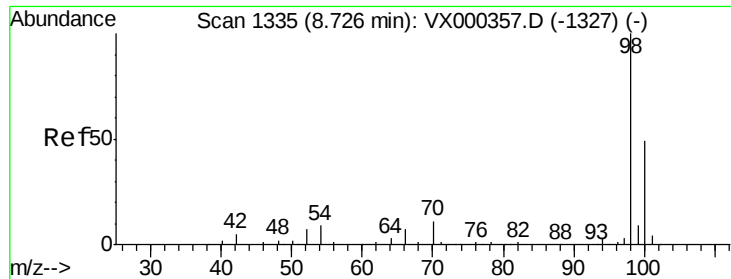
#43
Isopropyl Acetate
Concen: 0.27 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000576.D
Acq: 30 Mar 2018 22:12

Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
61 5.3 14.4 21.6#
87 0.0 11.0 16.4#



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: 48.65 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

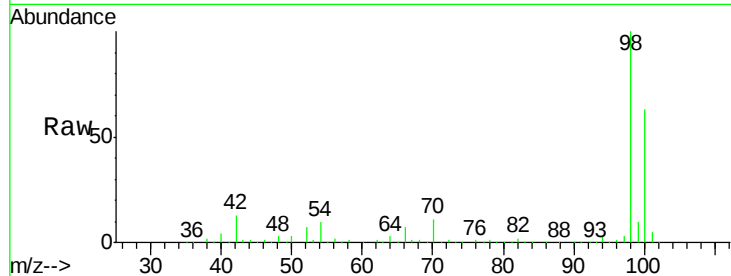
CHRT24482

Tgt Ion: 98 Resp: 281080

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

200000

150000

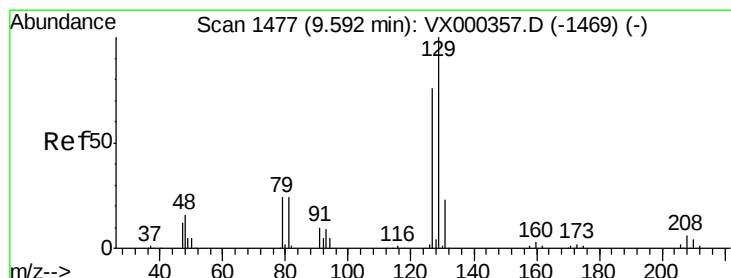
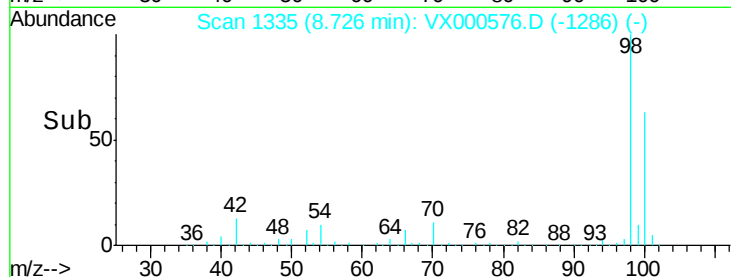
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#60

Dibromochloromethane

Concen: 4.15 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX000576.D

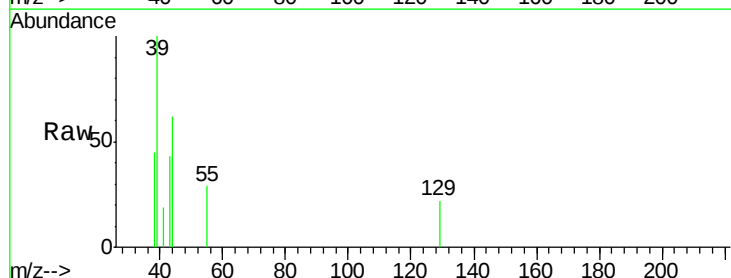
Acq: 30 Mar 2018 22:12

Tgt Ion: 129 Resp: 68

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

80

60

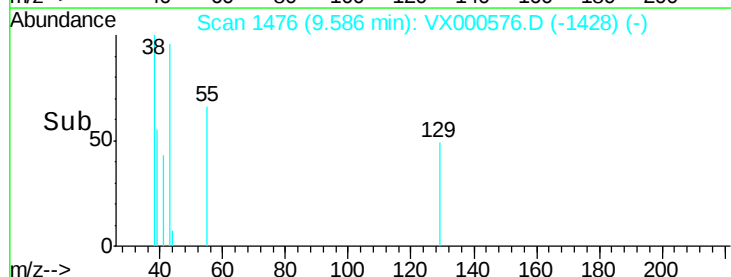
40

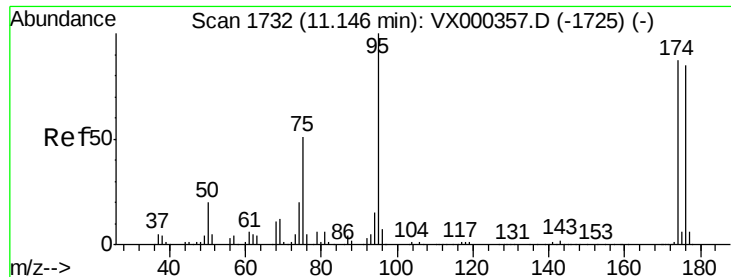
20

0

9.56 9.58 9.60 9.62

Time-->





#62

4-Bromofluorobenzene

Concen: 42.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

CHRT24482

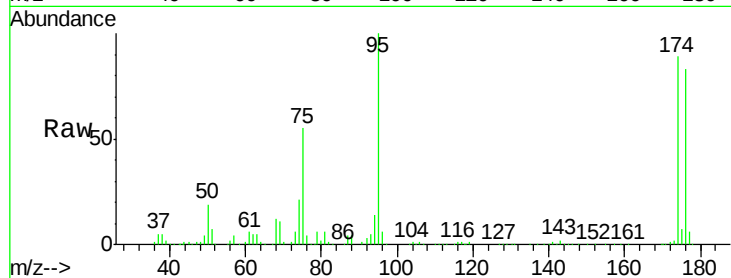
Tgt Ion: 95 Resp: 102525

Ion Ratio Lower Upper

95 100

174 89.0 0.0 173.6

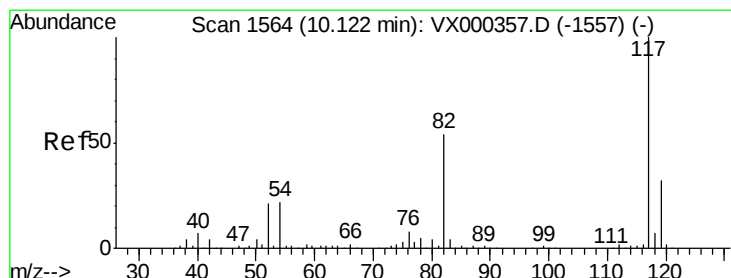
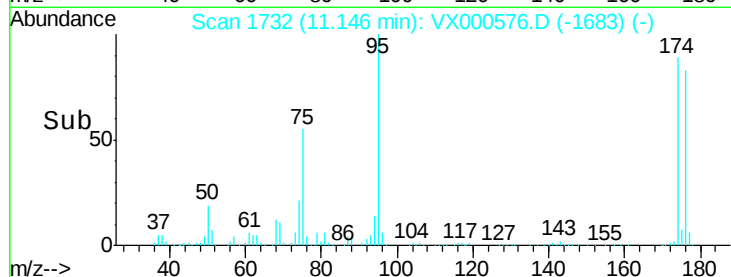
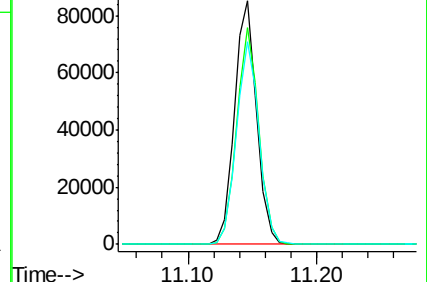
176 85.3 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

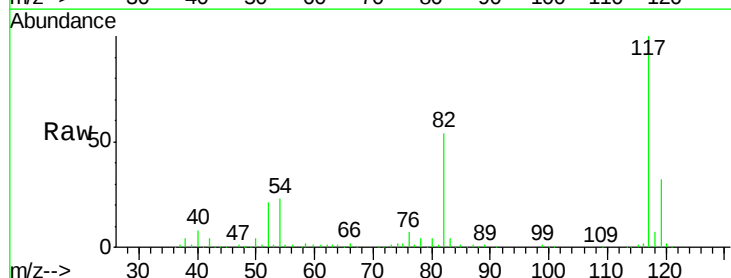
Tgt Ion: 117 Resp: 223280

Ion Ratio Lower Upper

117 100

82 53.9 43.8 65.8

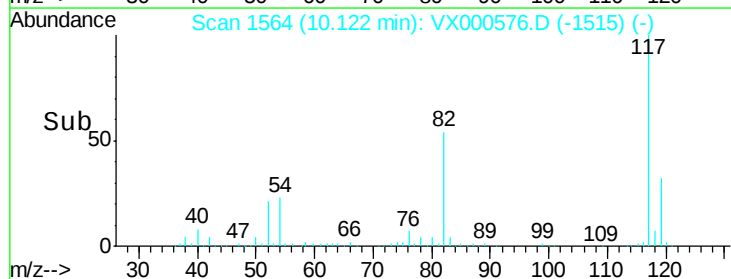
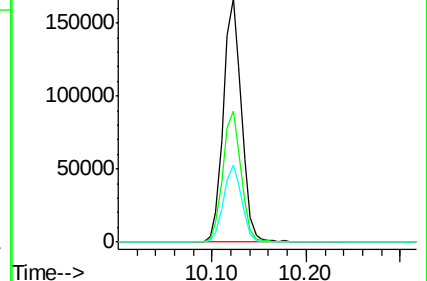
119 31.6 24.9 37.3

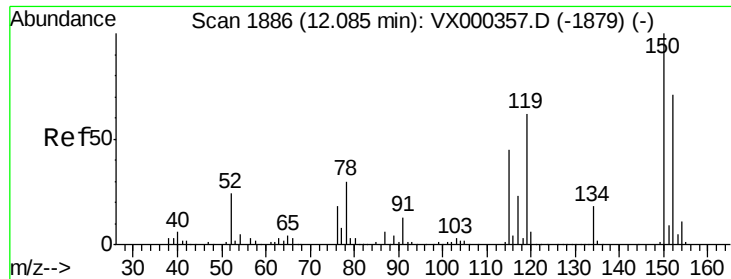


Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

CHRT24482

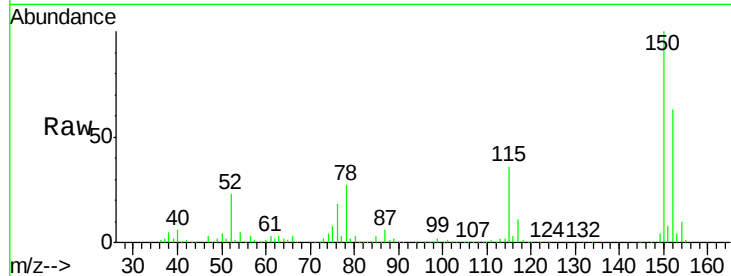
Tgt Ion:152 Resp: 120529

Ion Ratio Lower Upper

152 100

115 57.0 39.8 119.3

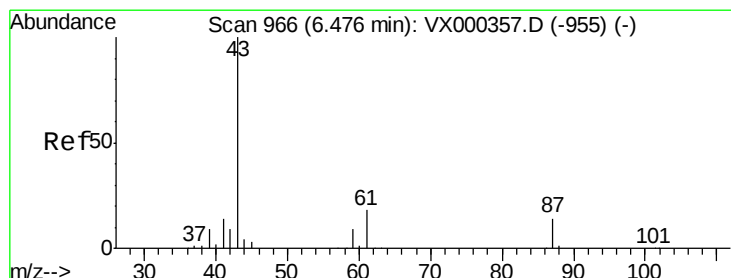
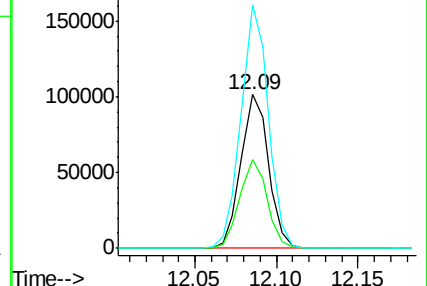
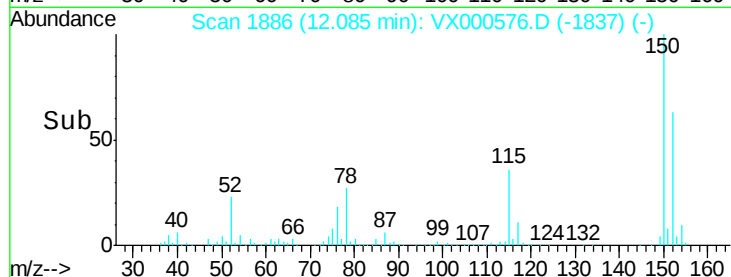
150 155.9 0.0 344.4



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# 966

Delta R.T. 0.00 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Tgt Ion: 43 Resp: 1121

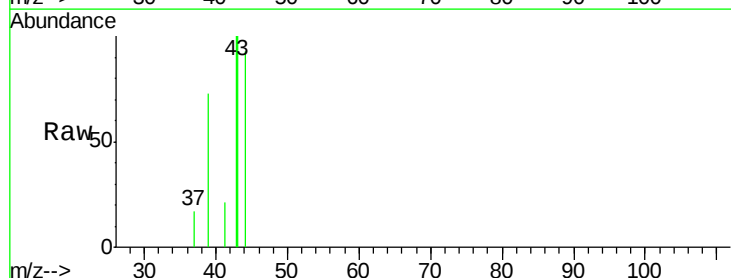
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 5.3 14.4 21.6#

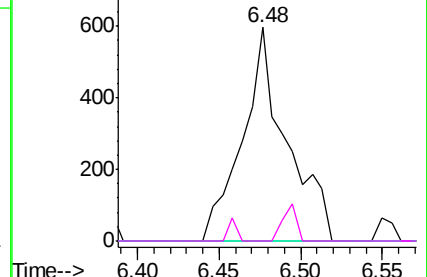
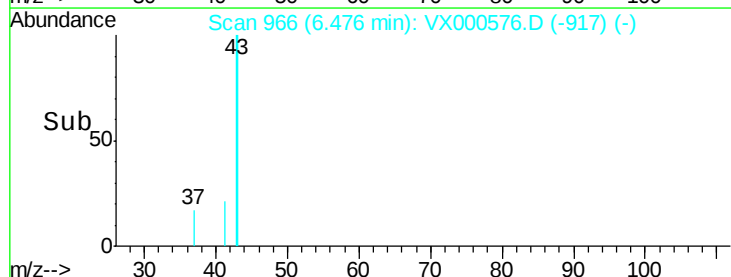


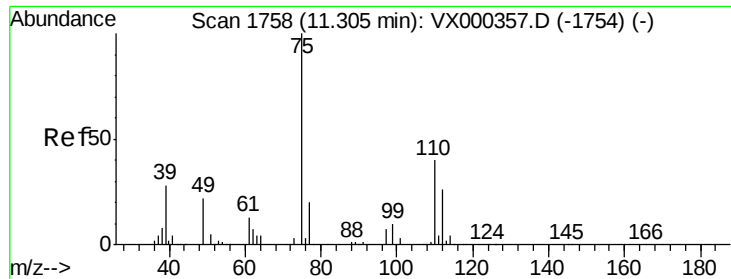
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.46 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

Instrument :

MSVOA_X

ClientSampleId :

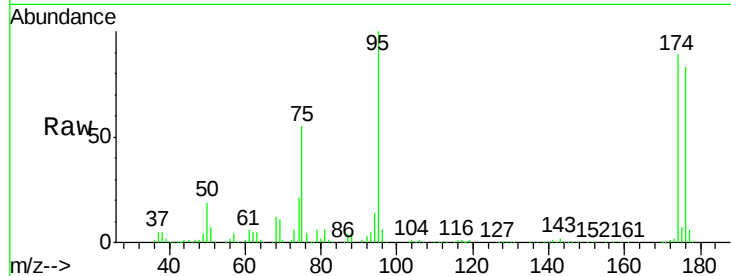
CHRT24482

Tgt Ion: 75 Resp: 58190

Ion Ratio Lower Upper

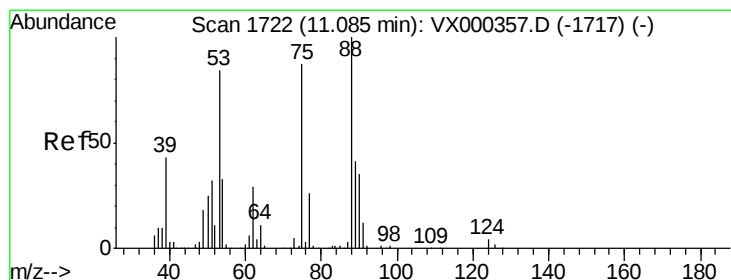
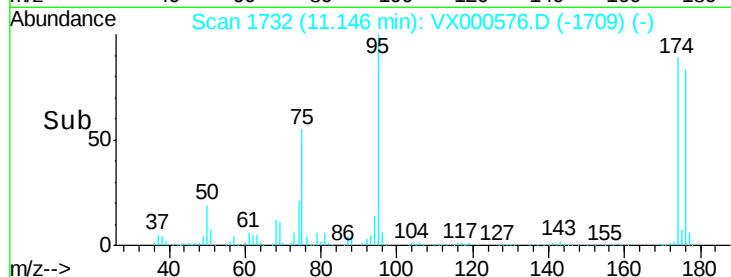
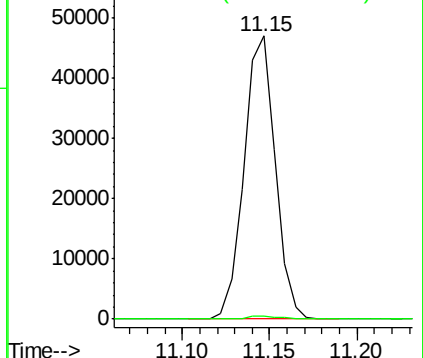
75 100

77 0.9 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 72.73 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000576.D

Acq: 30 Mar 2018 22:12

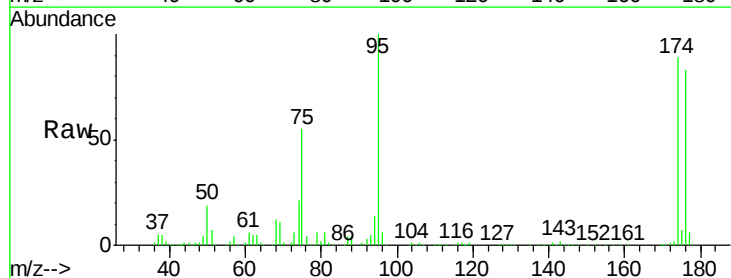
Tgt Ion: 75 Resp: 58190

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

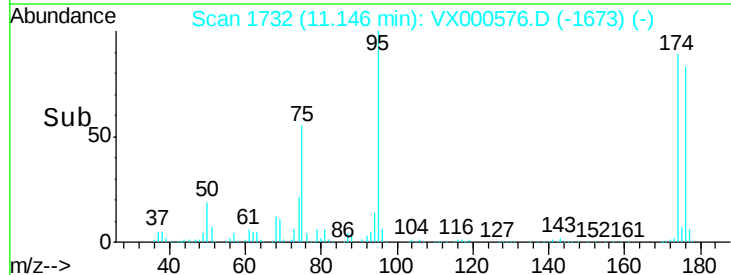
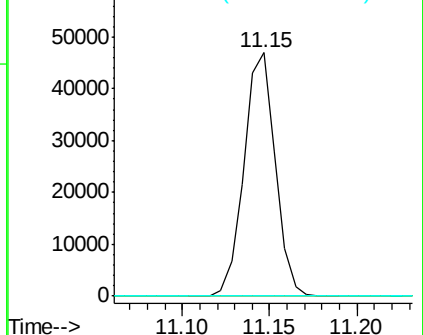
89 0.0 39.4 59.0#

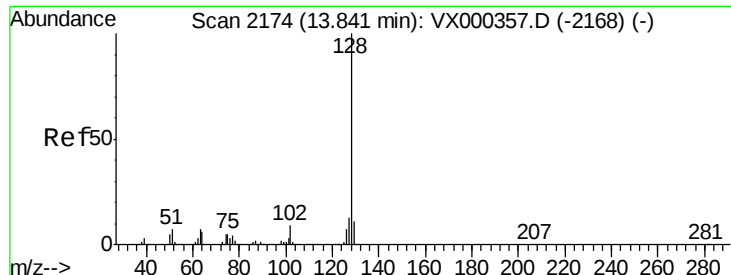


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.71 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000576.D
Acq: 30 Mar 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
CHRT24482

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.7	8.9	13.3

