

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000838.D
 Acq On : 13 Apr 2018 07:27
 Operator : JC/MD
 Sample : J2337-15 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-216

Quant Time: Apr 13 08:23:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	281955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372835	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221938	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	161972	45.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.12%	
35) Dibromofluoromethane	5.51	113	133793	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
50) Toluene-d8	8.73	98	514457	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.14	95	200136	45.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.46%	

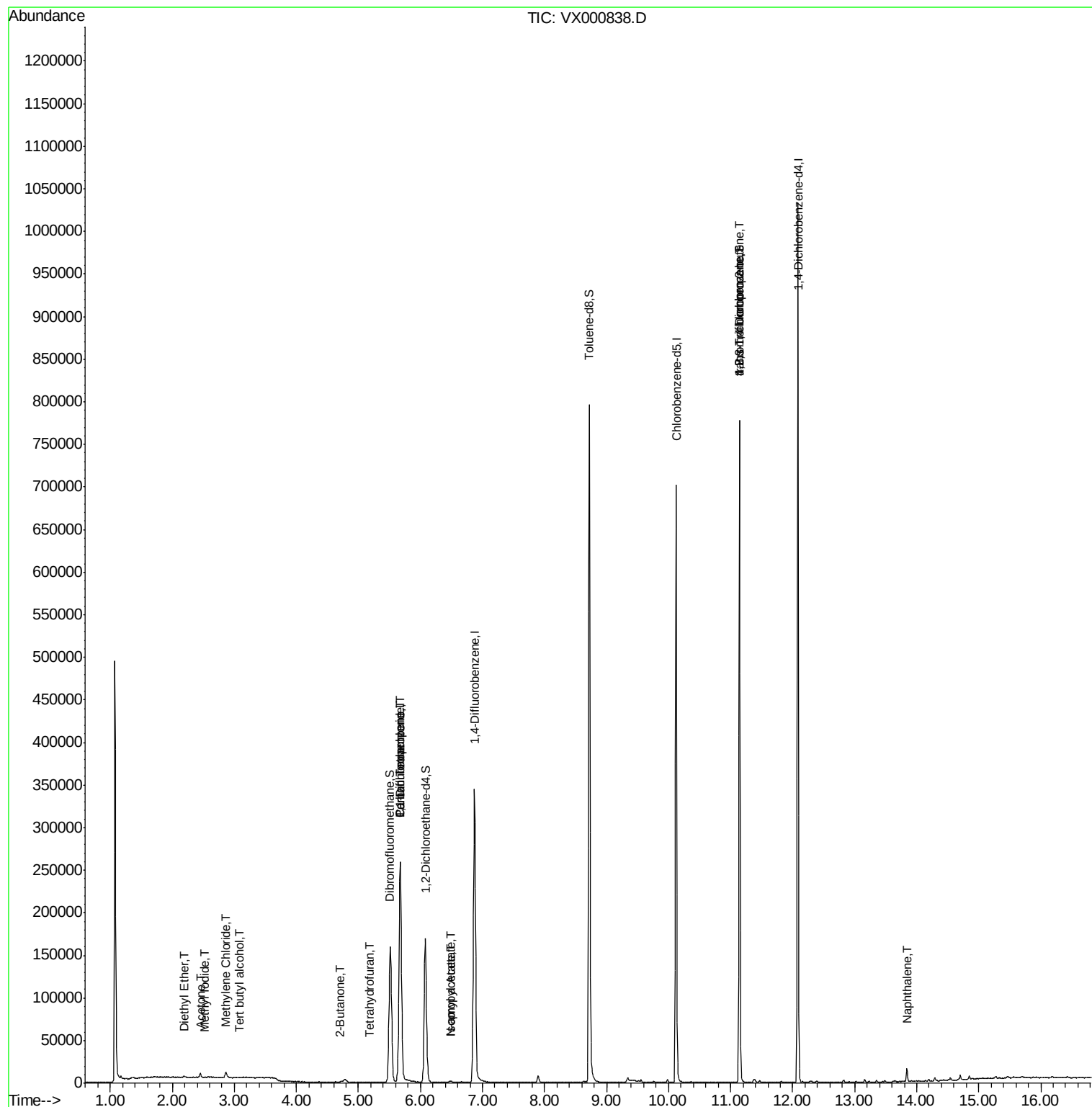
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	266	Below Cal	#	2
8) Diethyl Ether	2.20	74	644	0.37	ug/l	91
10) Methyl Iodide	2.52	142	20	8.24	ug/l	# 42
11) Tert butyl alcohol	3.07	59	660	1.05	ug/l	# 88
16) Acetone	2.45	43	5343	4.36	ug/l	93
20) Methylene Chloride	2.86	84	3372	1.18	ug/l	97
25) 2-Butanone	4.70	43	956	0.47	ug/l	# 83
29) Tetrahydrofuran	5.17	42	482	0.37	ug/l	# 33
36) 1,1-Dichloropropene	5.67	75	17027	4.15	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	24099	5.24	ug/l	# 15
43) Isopropyl Acetate	6.48	43	2535	0.37	ug/l	95
74) N-amyl acetate	6.48	43	2535	0.40	ug/l	# 92
76) 1,2,3-Trichloropropane	11.14	75	96952	25.33	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	96952	69.68	ug/l	# 11
95) Naphthalene	13.84	128	9490	0.59	ug/l	96

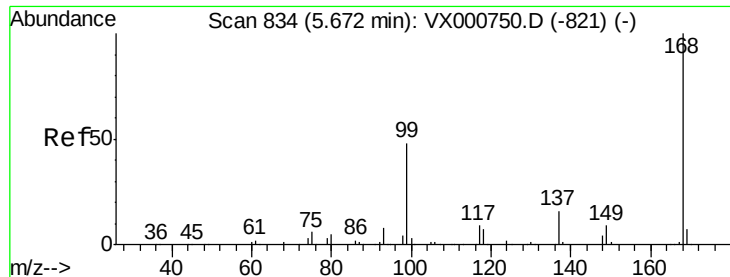
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

Instrument :

MSVOA_X

ClientSampled :

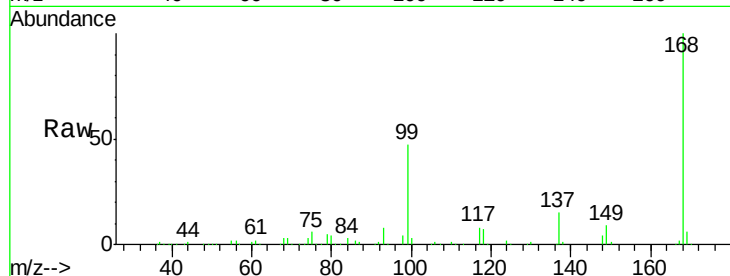
VNJ-216

Tgt Ion:168 Resp: 281955

Ion Ratio Lower Upper

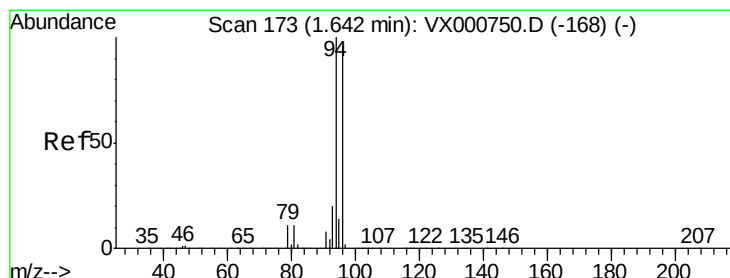
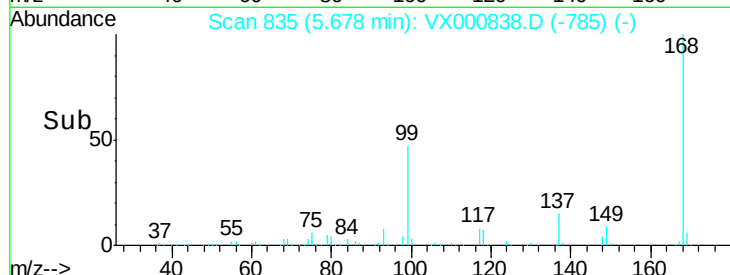
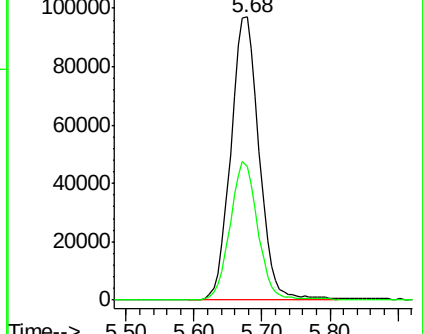
168 100

99 47.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000838.D

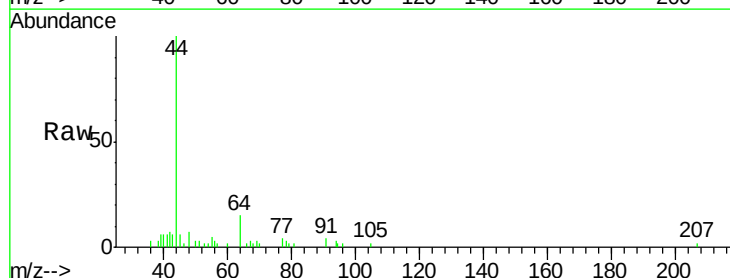
Acq: 13 Apr 2018 07:27

Tgt Ion: 94 Resp: 266

Ion Ratio Lower Upper

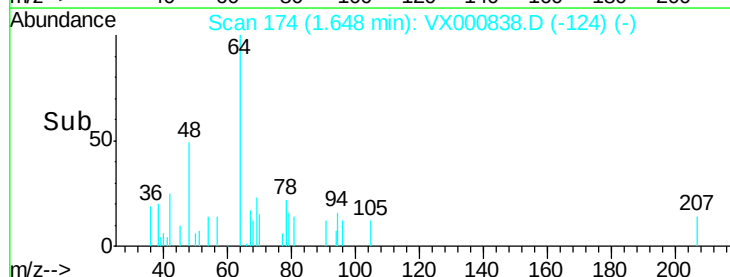
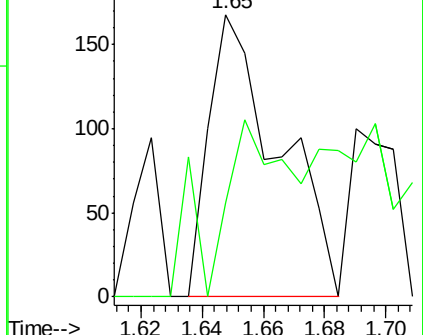
94 100

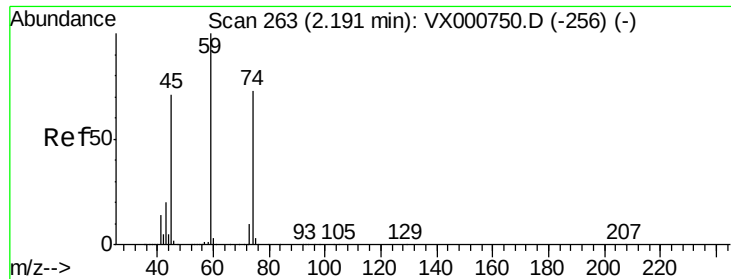
96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.37 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

Instrument :

MSVOA_X

ClientSampled :

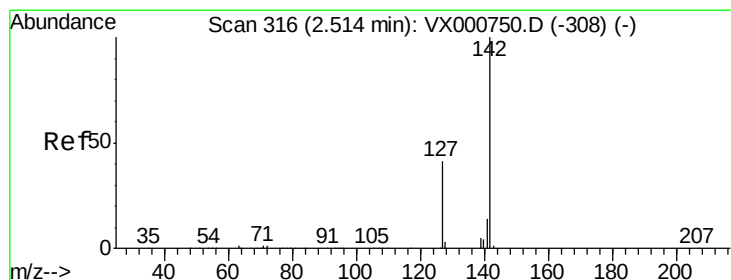
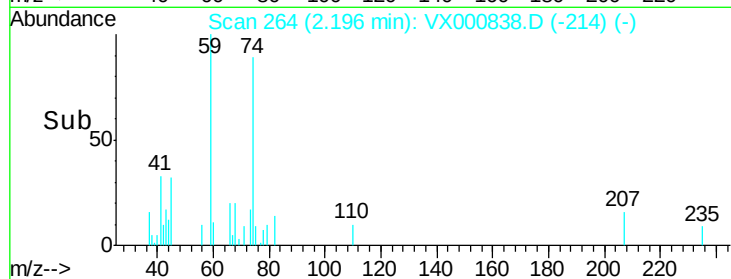
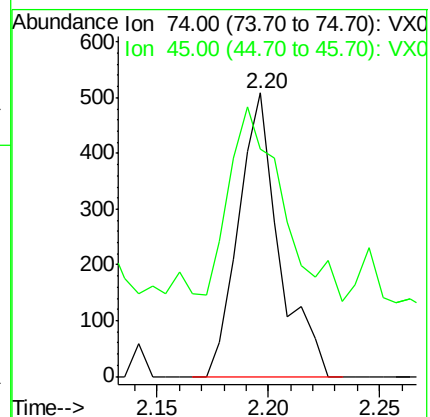
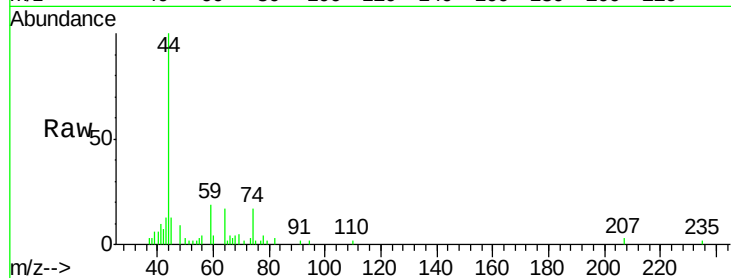
VNJ-216

Tgt Ion: 74 Resp: 644

Ion Ratio Lower Upper

74 100

45 88.8 48.6 145.8



#10

Methyl Iodide

Concen: 8.24 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

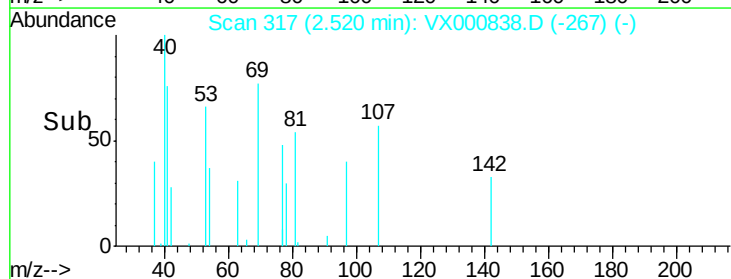
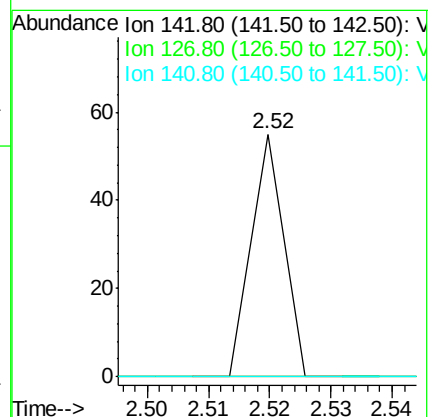
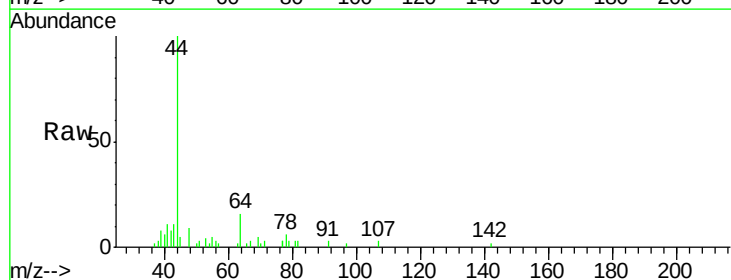
Tgt Ion: 142 Resp: 20

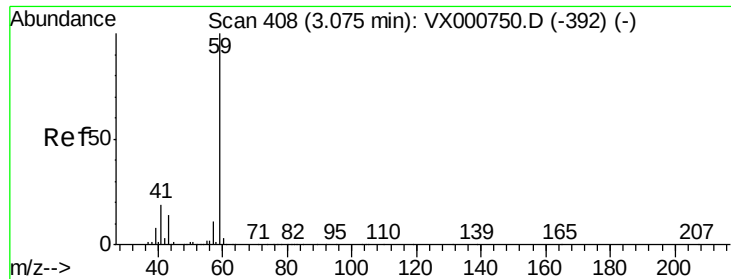
Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

141 0.0 11.5 17.3#

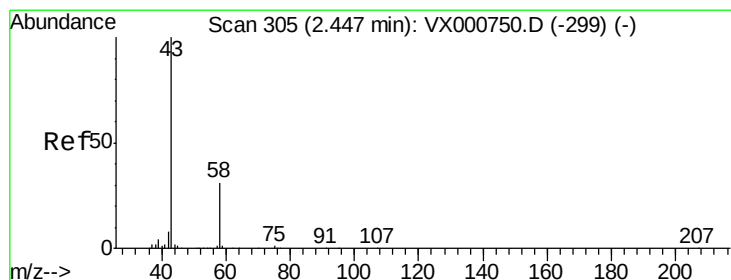
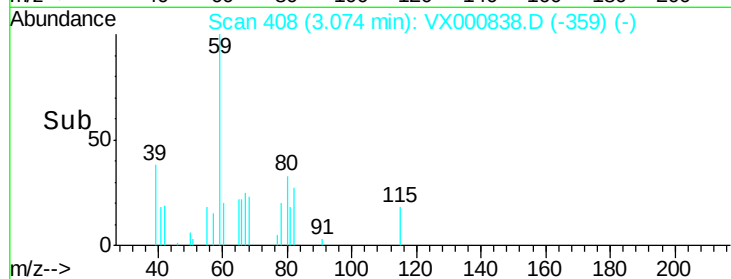
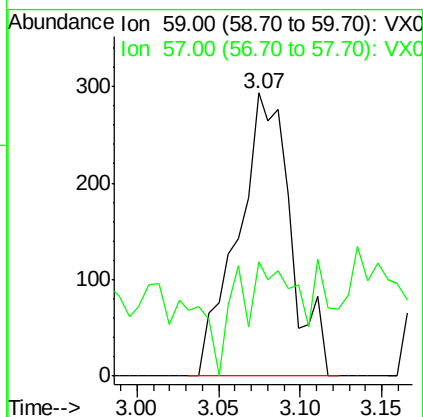
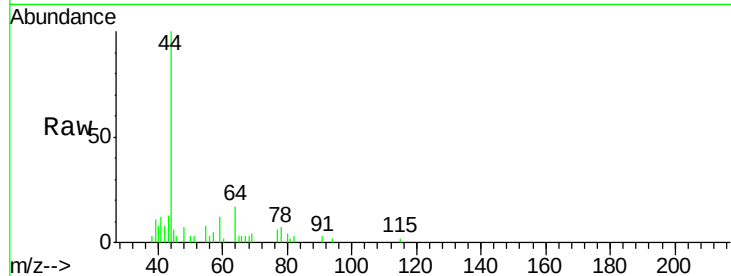




#11
Tert butyl alcohol
Concen: 1.05 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

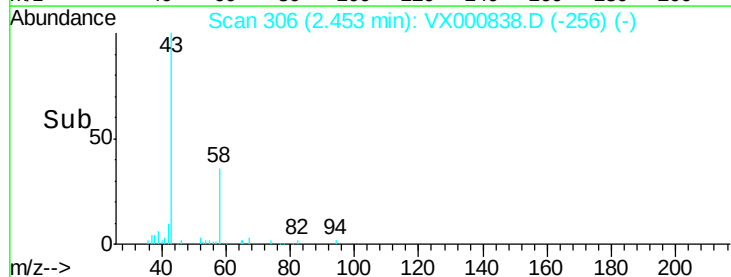
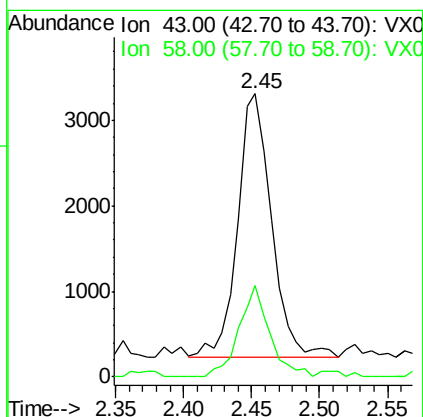
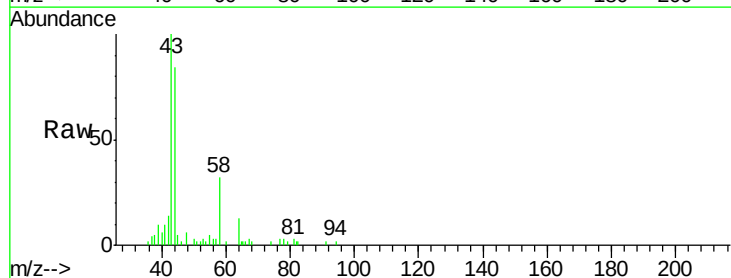
Instrument :
MSVOA_X
ClientSampled :
VNJ-216

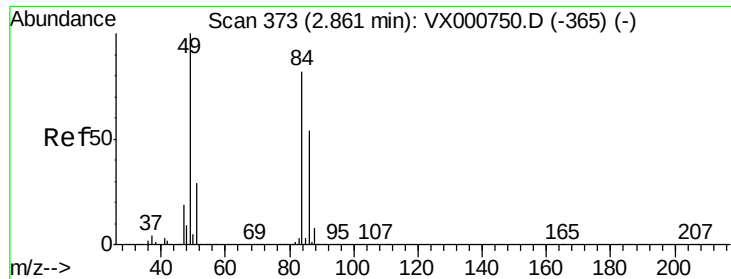
Tgt Ion: 59 Resp: 660
Ion Ratio Lower Upper
59 100
57 14.8 8.4 12.6#



#16
Acetone
Concen: 4.36 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

Tgt Ion: 43 Resp: 5343
Ion Ratio Lower Upper
43 100
58 34.8 24.6 37.0



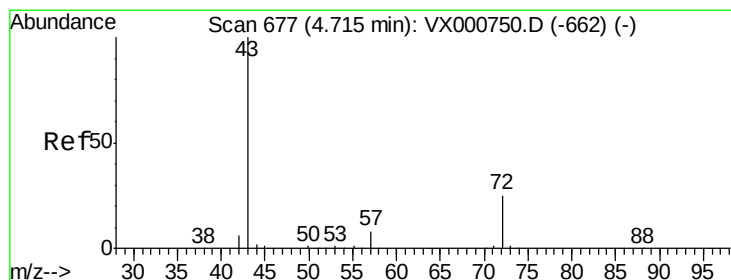
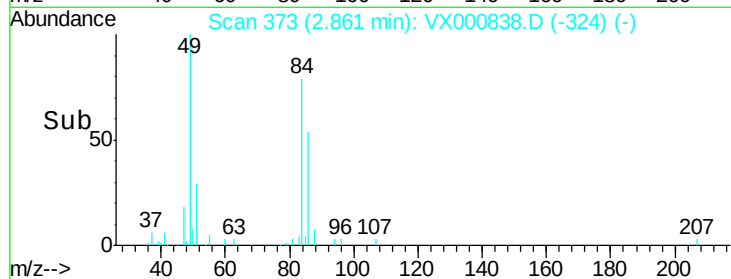
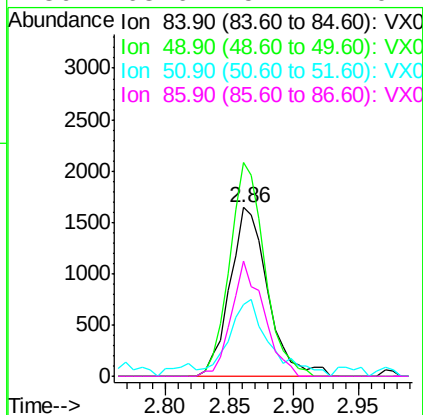
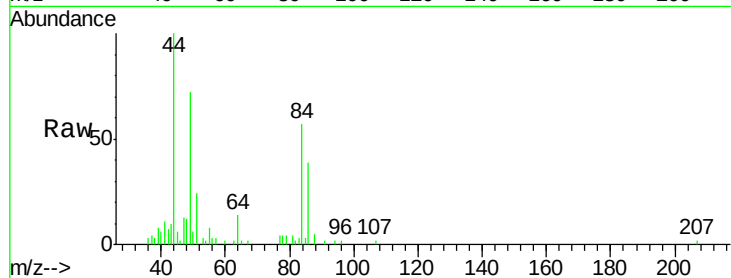


#20
Methylene Chloride
Concen: 1.18 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

Instrument :
MSVOA_X
ClientSampled :
VNJ-216

Tgt Ion: 84 Resp: 3372

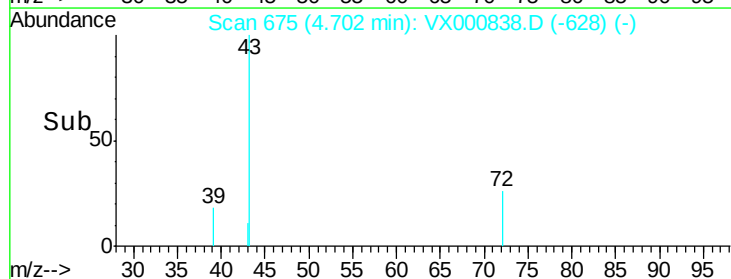
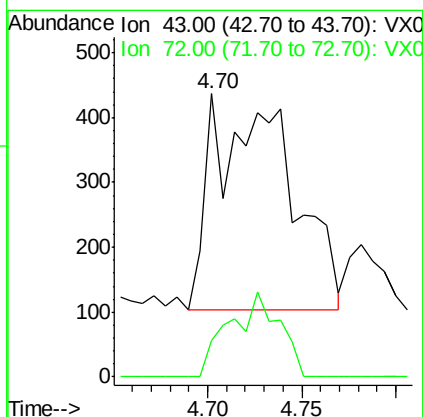
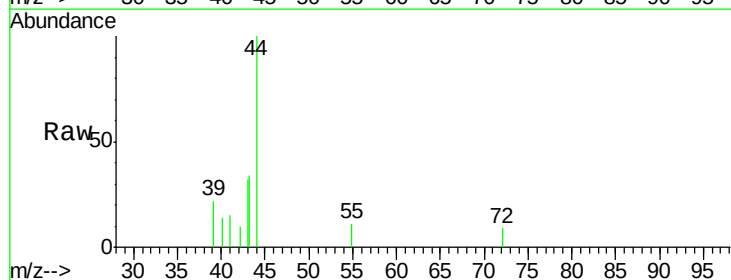
Ion	Ratio	Lower	Upper
84	100		
49	126.5	98.1	147.1
51	37.3	28.9	43.3
86	68.6	52.7	79.1

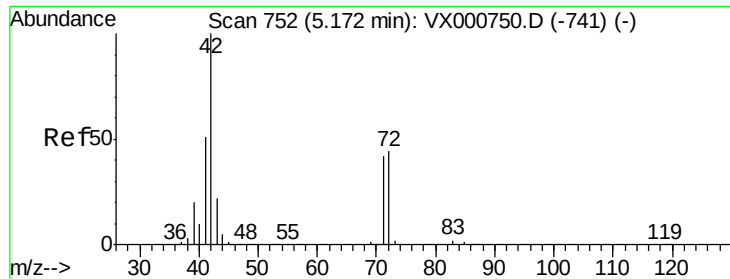


#25
2-Butanone
Concen: 0.47 ug/l
RT: 4.70 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

Tgt Ion: 43 Resp: 956

Ion	Ratio	Lower	Upper
43	100		
72	17.1	20.3	30.5#

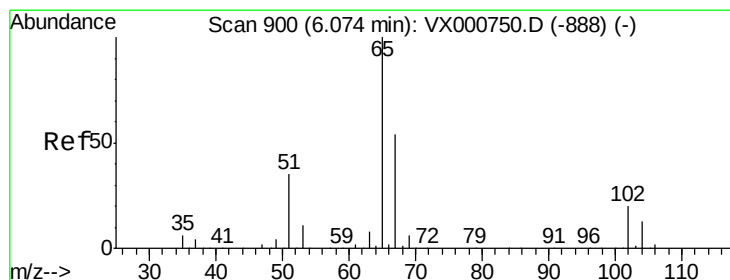
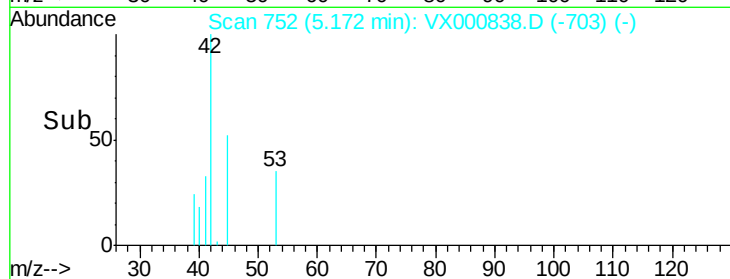
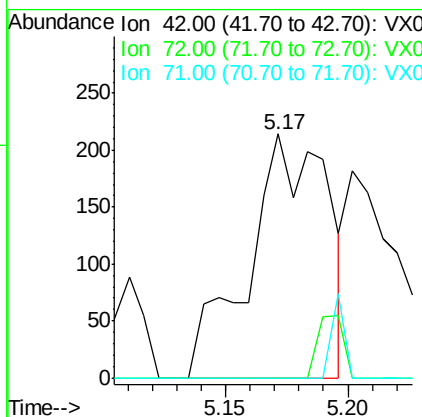
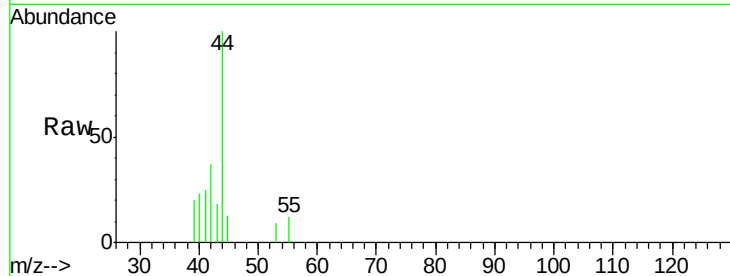




#29
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

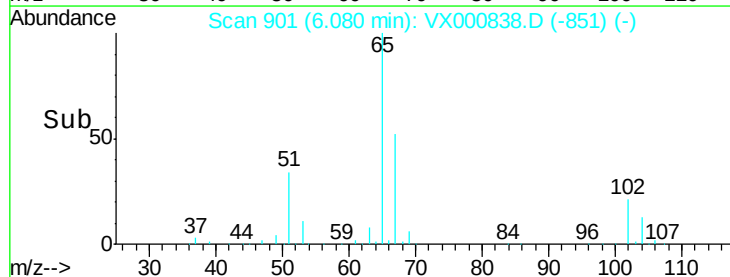
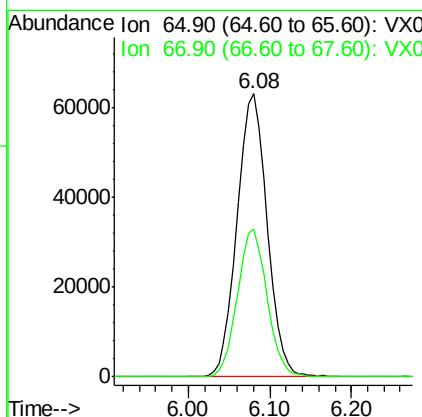
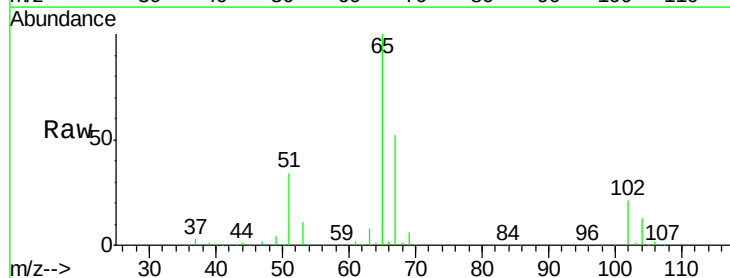
Instrument :
MSVOA_X
ClientSampled :
VNJ-216

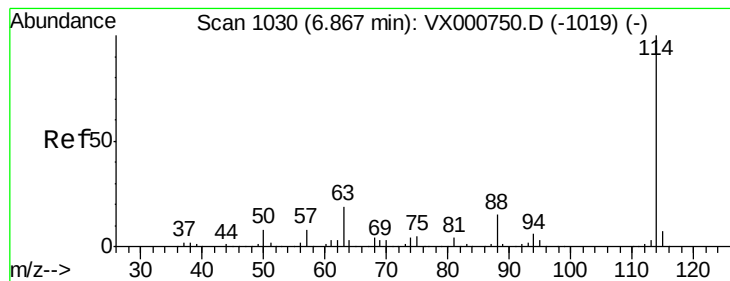
Tgt Ion: 42 Resp: 482
Ion Ratio Lower Upper
42 100
72 0.0 35.1 52.7#
71 0.0 32.8 49.2#



#33
1,2-Dichloroethane-d4
Concen: 45.56 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

Tgt Ion: 65 Resp: 161972
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

Instrument :

MSVOA_X

ClientSampleId :

VNJ-216

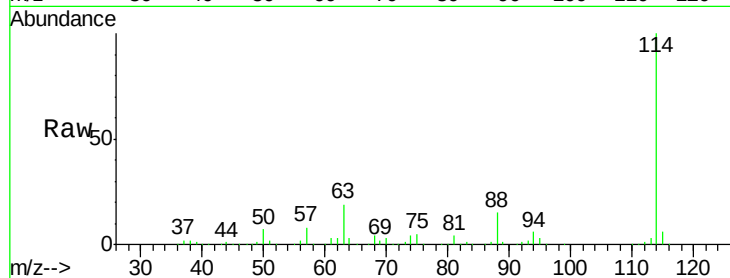
Tgt Ion:114 Resp: 372835

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

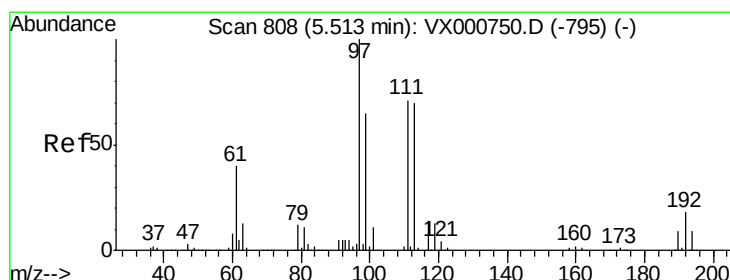
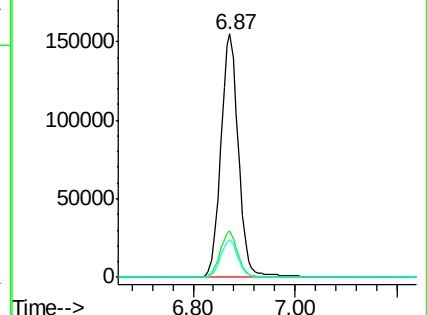
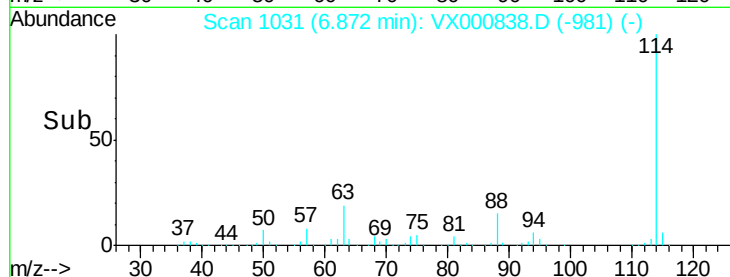
88 15.2 0.0 31.0



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: 46.58 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

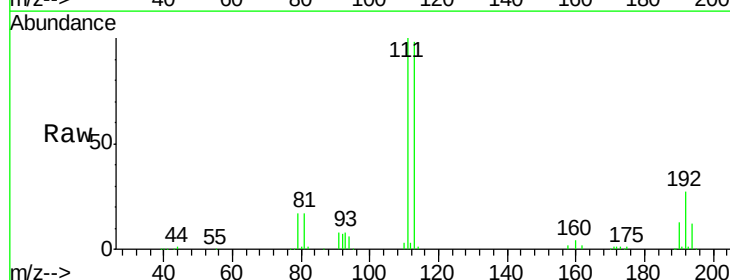
Tgt Ion:113 Resp: 133793

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

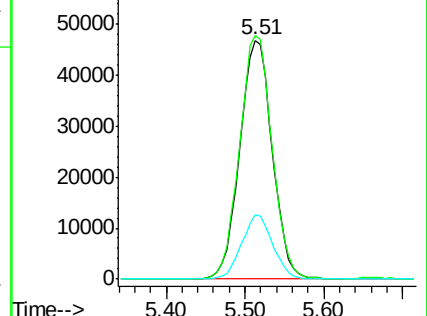
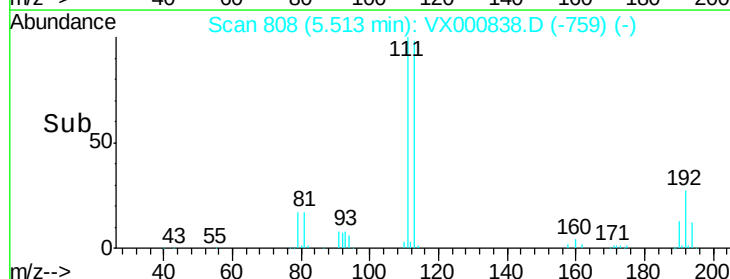
192 25.8 20.4 30.6

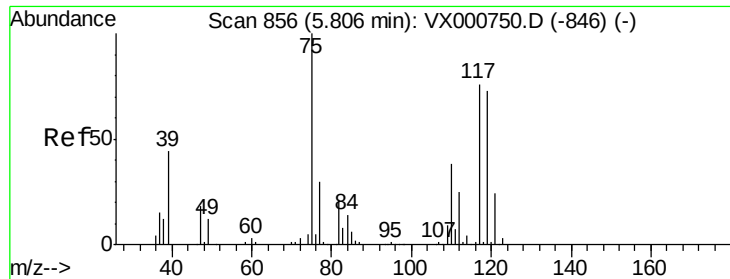


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

Instrument :

MSVOA_X

ClientSampled :

VNJ-216

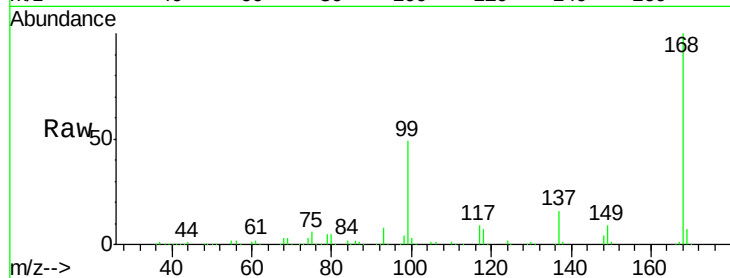
Tgt Ion: 75 Resp: 17027

Ion Ratio Lower Upper

75 100

110 10.3 19.2 57.6#

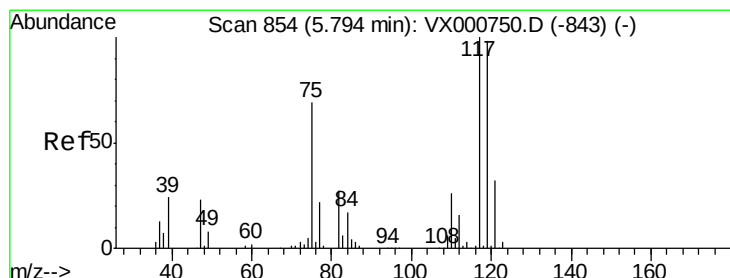
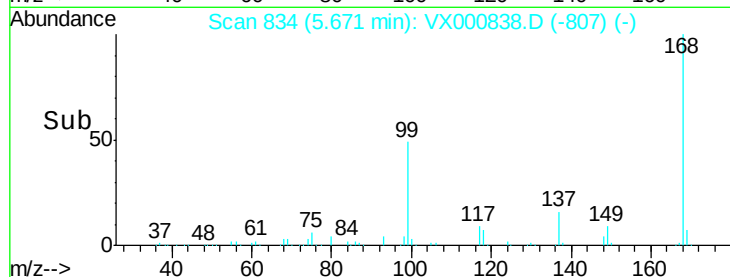
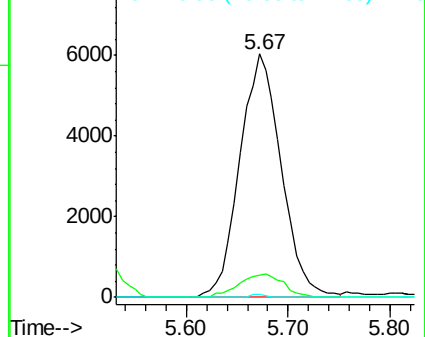
77 0.4 25.4 38.2#



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: 5.24 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

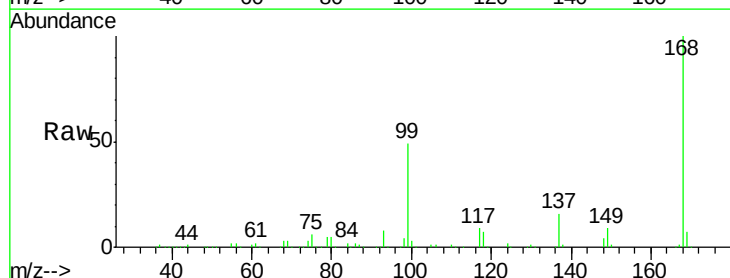
Tgt Ion: 117 Resp: 24099

Ion Ratio Lower Upper

117 100

119 4.5 78.4 117.6#

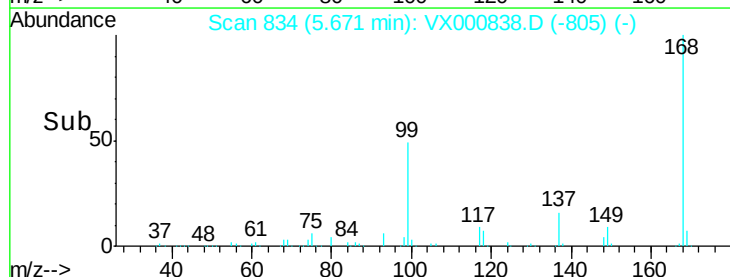
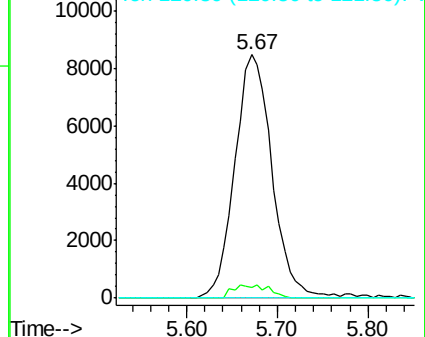
121 0.0 25.4 38.0#

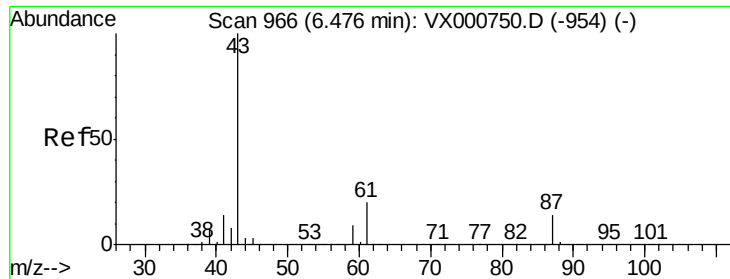


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.37 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

Instrument :

MSVOA_X

ClientSampleId :

VNJ-216

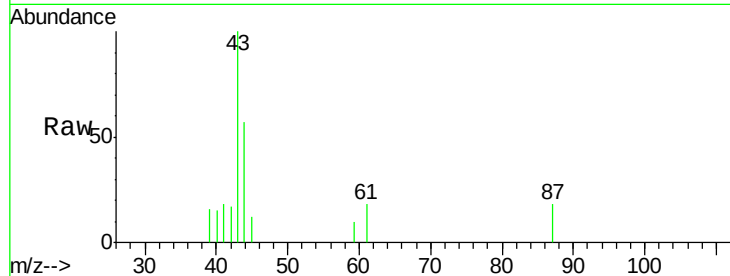
Tgt Ion: 43 Resp: 2535

Ion Ratio Lower Upper

43 100

61 15.7 15.6 23.4

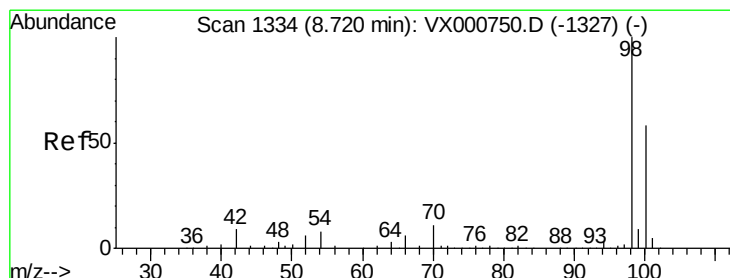
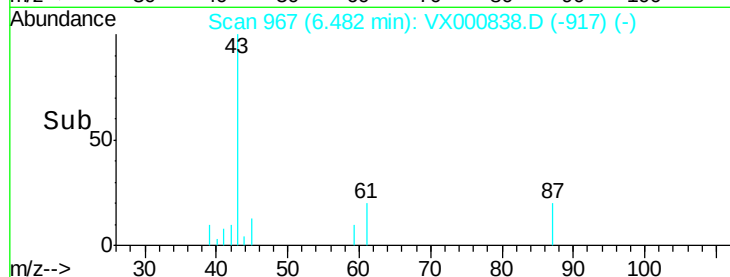
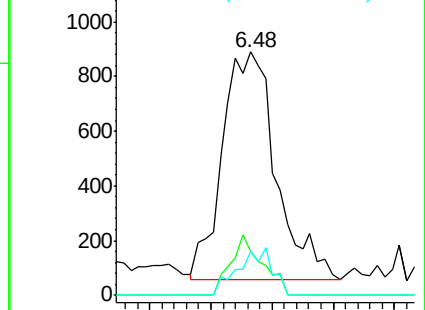
87 13.3 10.7 16.1



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: 48.10 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000838.D

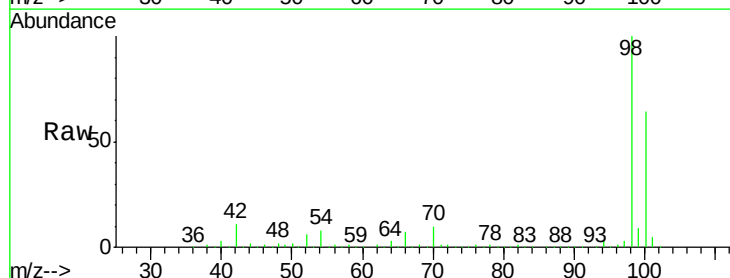
Acq: 13 Apr 2018 07:27

Tgt Ion: 98 Resp: 514457

Ion Ratio Lower Upper

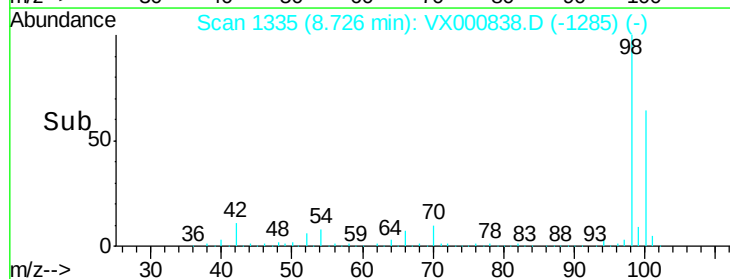
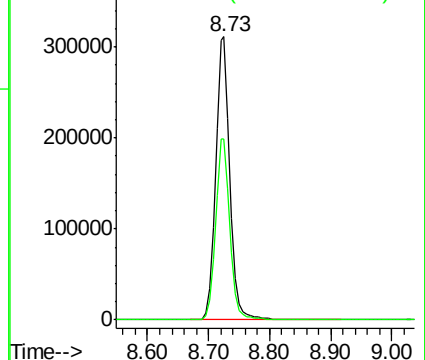
98 100

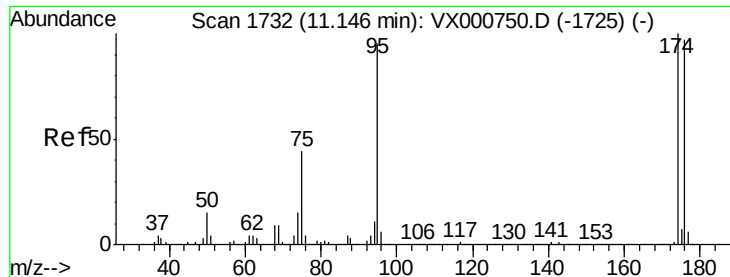
100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

Instrument :

MSVOA_X

ClientSampleId :

VNJ-216

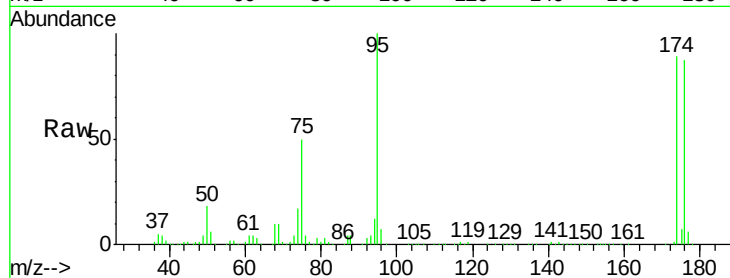
Tgt Ion: 95 Resp: 200136

Ion Ratio Lower Upper

95 100

174 98.1 0.0 198.4

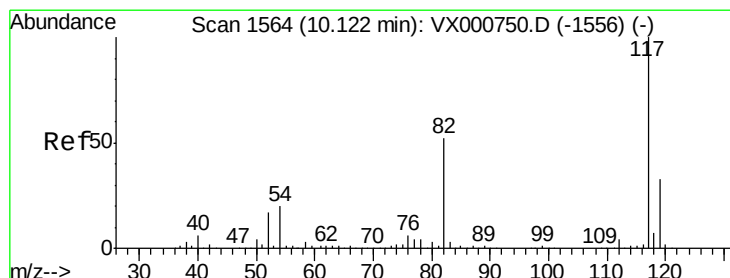
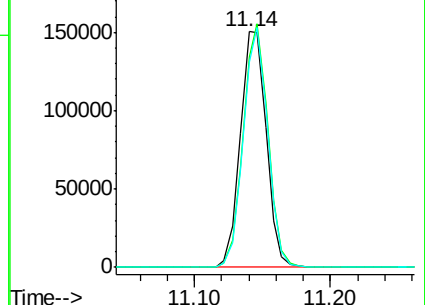
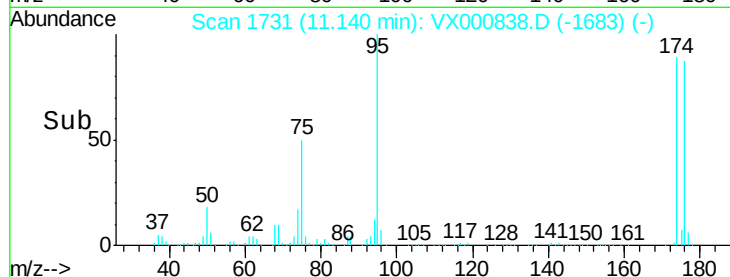
176 95.7 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000838.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000838.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000838.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

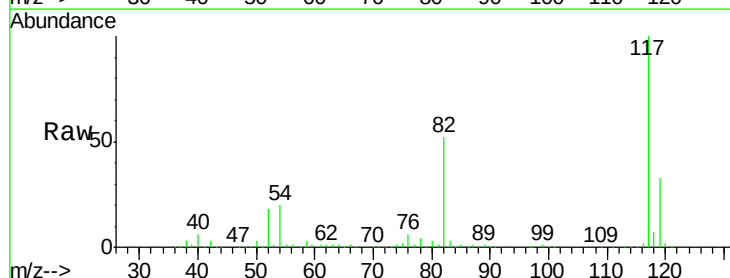
Tgt Ion: 117 Resp: 344430

Ion Ratio Lower Upper

117 100

82 51.7 41.9 62.9

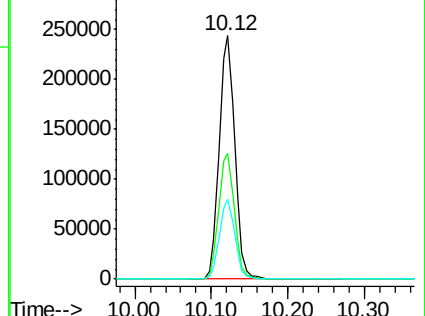
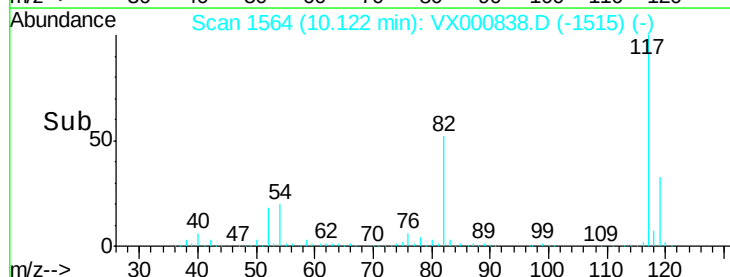
119 32.8 26.0 39.0

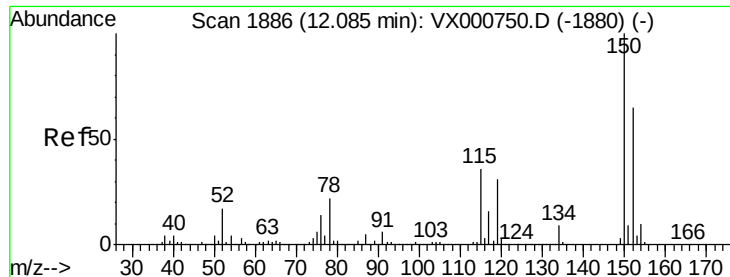


Abundance Ion 116.90 (116.60 to 117.60): VX000838.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000838.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000838.D (-1515) (-)



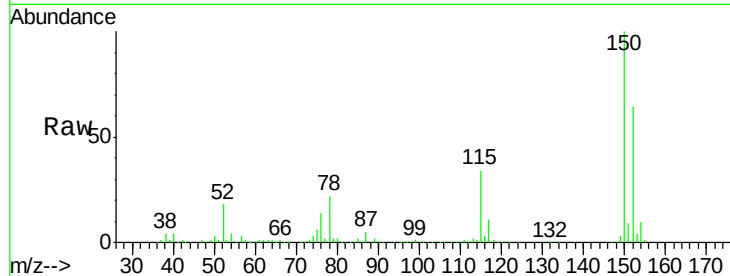


#72

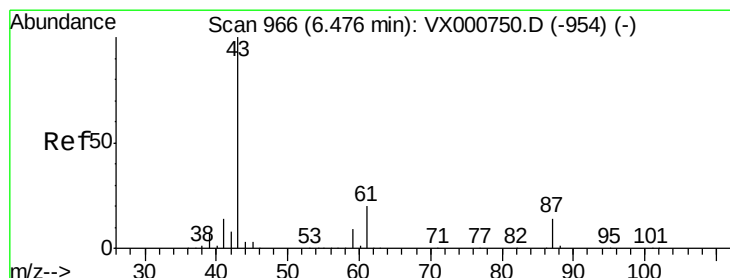
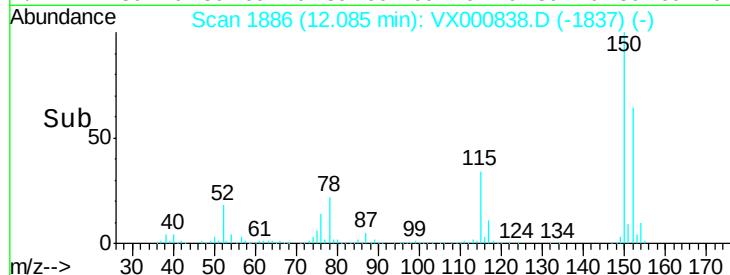
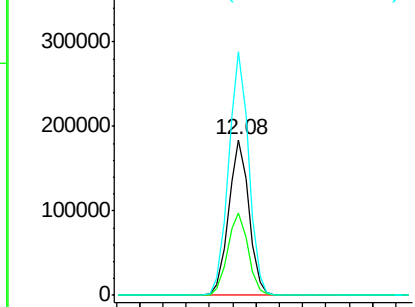
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

Instrument :
MSVOA_X
ClientSampleId :
VNJ-216

Tgt Ion:152 Resp: 221938
Ion Ratio Lower Upper
152 100
115 53.5 37.9 113.7
150 155.9 0.0 348.0



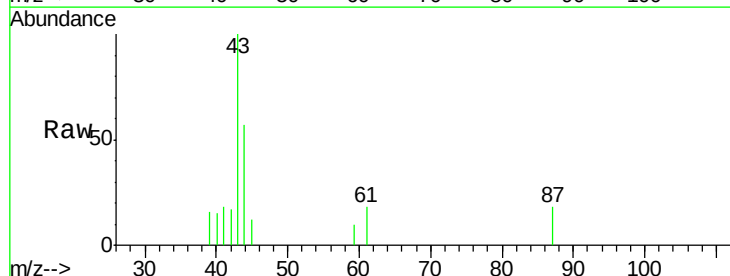
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



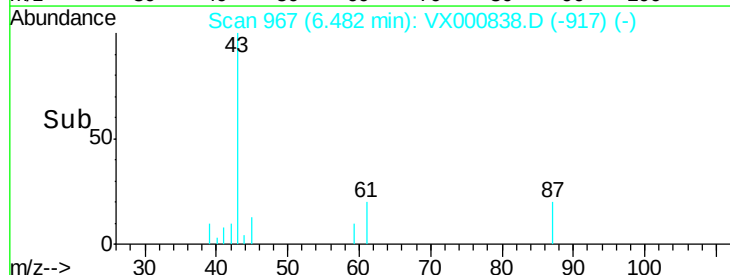
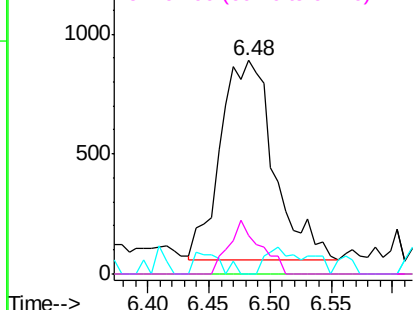
#74

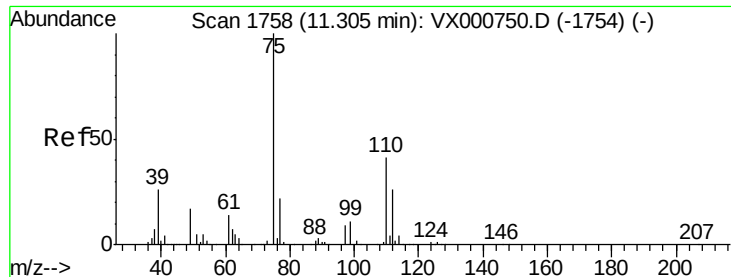
N-ethyl acetate
Concen: 0.40 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

Tgt Ion: 43 Resp: 2535
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 15.7 15.6 23.4



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: 25.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

Instrument :

MSVOA_X

ClientSampled :

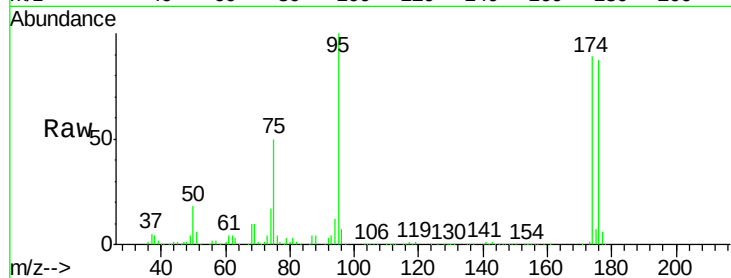
VNJ-216

Tgt Ion: 75 Resp: 96952

Ion Ratio Lower Upper

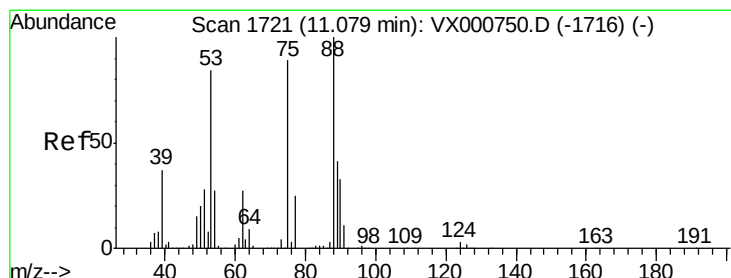
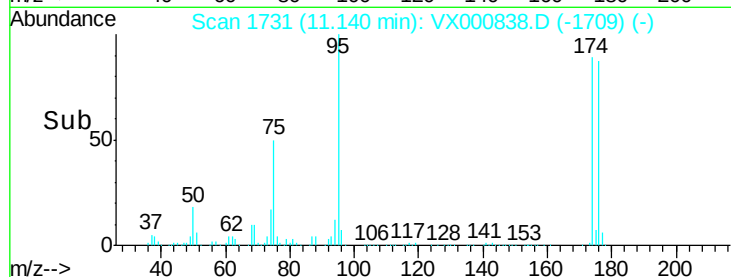
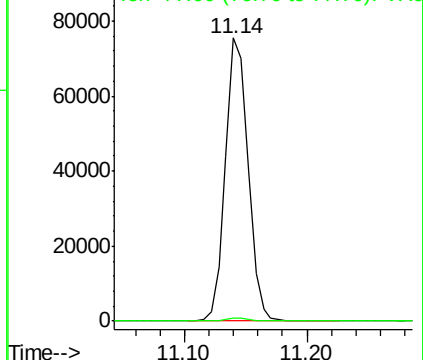
75 100

77 1.2 20.5 61.5#



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: 69.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000838.D

Acq: 13 Apr 2018 07:27

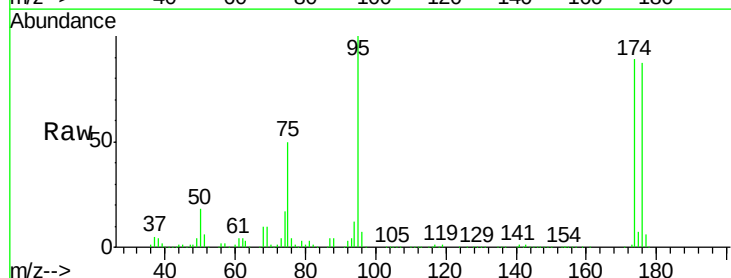
Tgt Ion: 75 Resp: 96952

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

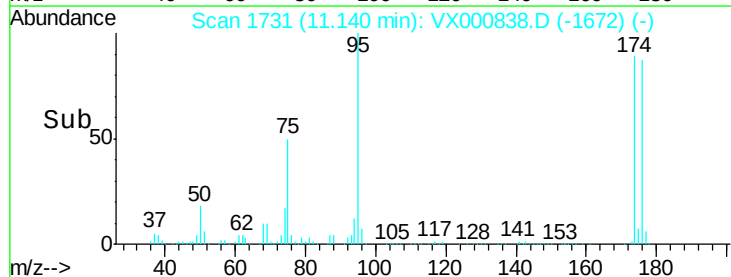
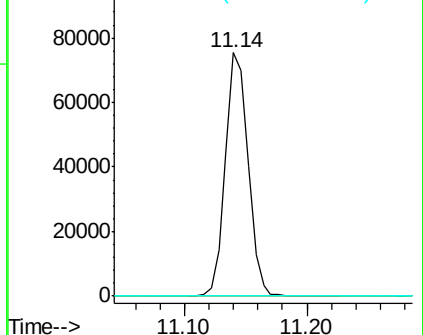
89 0.0 40.9 61.3#

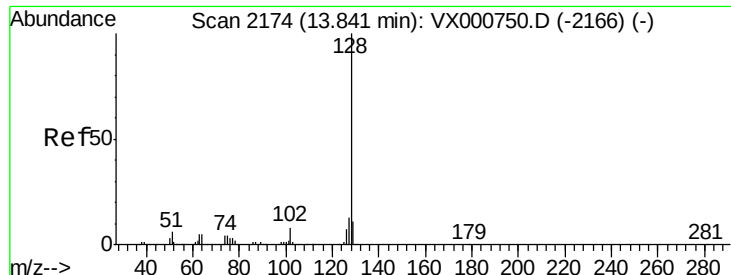


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

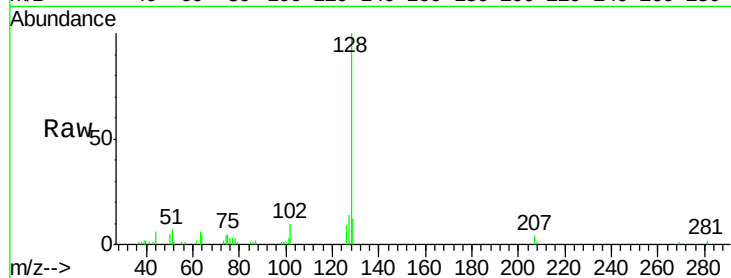




#95
Naphthalene
Concen: 0.59 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000838.D
Acq: 13 Apr 2018 07:27

Instrument :
MSVOA_X
ClientSampleId :
VNJ-216

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	12.8	8.7	13.1



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

