

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000828.D
 Acq On : 13 Apr 2018 03:11
 Operator : JC/MD
 Sample : J2165-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-041118

Quant Time: Apr 13 07:01:59 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	5.67	168	282465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	364949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216362	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	159216	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	5.51	113	130825	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	8.72	98	506000	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.15	95	195452	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	

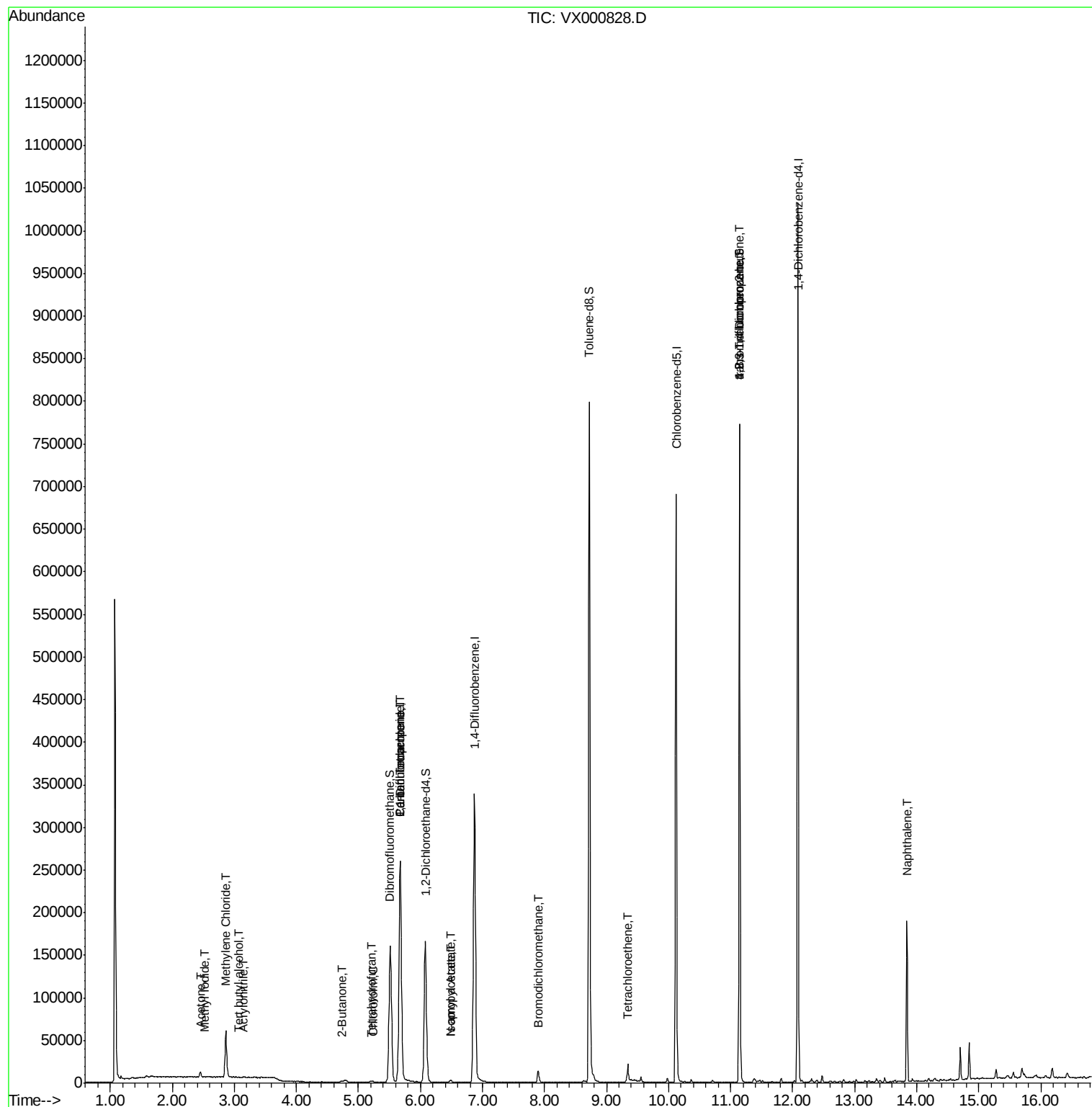
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	423	Below Cal	#	55
10) Methyl Iodide	2.51	142	117	8.28	ug/l #	42
11) Tert butyl alcohol	3.07	59	150	0.24	ug/l #	1
15) Acrylonitrile	3.15	53	478	0.35	ug/l #	65
16) Acetone	2.45	43	6716	5.47	ug/l	96
20) Methylene Chloride	2.86	84	25996	9.10	ug/l	98
25) 2-Butanone	4.72	43	1431	0.71	ug/l #	86
29) Tetrahydrofuran	5.20	42	809	0.63	ug/l #	38
30) Chloroform	5.23	83	1859	0.36	ug/l	91
36) 1,1-Dichloropropene	5.67	75	16801	4.18	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23845	5.30	ug/l #	15
43) Isopropyl Acetate	6.48	43	2966	0.44	ug/l	97
47) Bromodichloromethane	7.91	83	886	0.22	ug/l #	82
64) Tetrachloroethene	9.34	164	3183	0.97	ug/l	91
74) N-amyl acetate	6.48	43	2966	0.48	ug/l #	97
76) 1,2,3-Trichloropropane	11.14	75	95495	25.59	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	95495	70.40	ug/l #	11
95) Naphthalene	13.84	128	117413	7.46	ug/l	100

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

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QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampled :

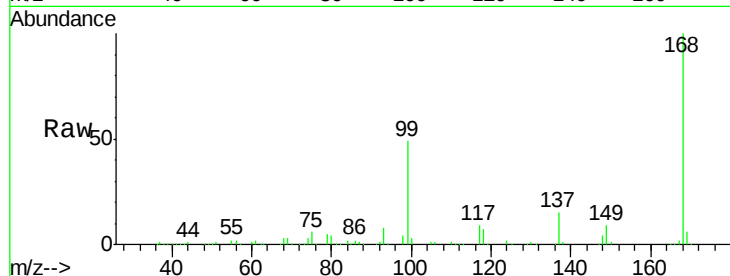
SU-03-041118

Tgt Ion:168 Resp: 282465

Ion Ratio Lower Upper

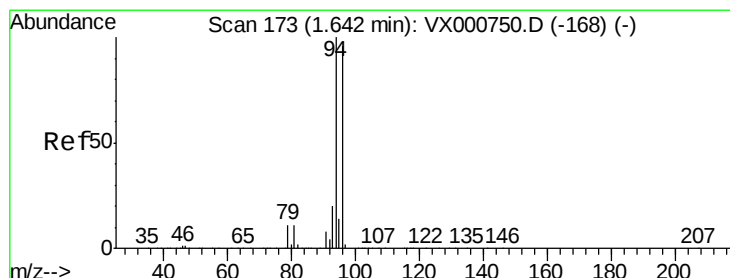
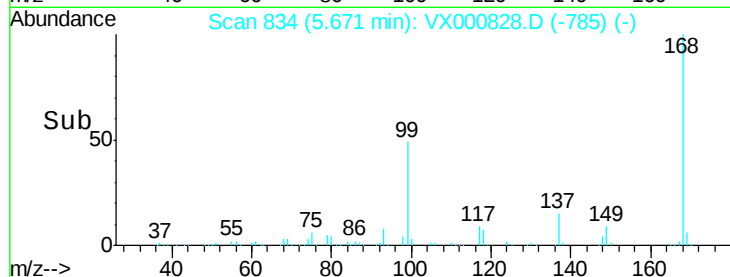
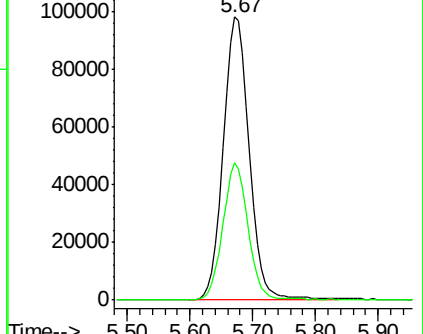
168 100

99 48.7 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# 175

Delta R.T. 0.01 min

Lab File: VX000828.D

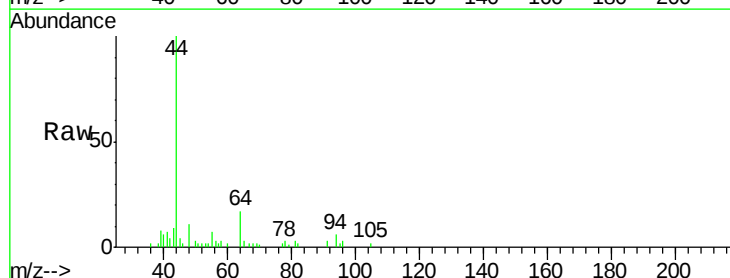
Acq: 13 Apr 2018 03:11

Tgt Ion: 94 Resp: 423

Ion Ratio Lower Upper

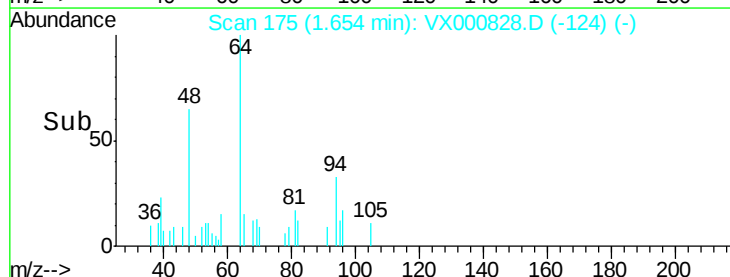
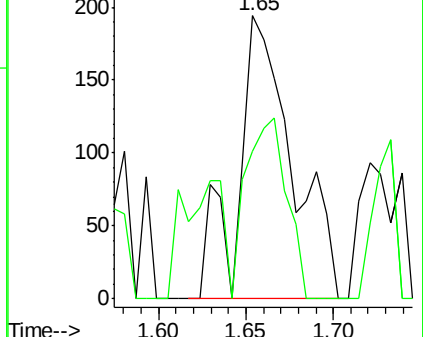
94 100

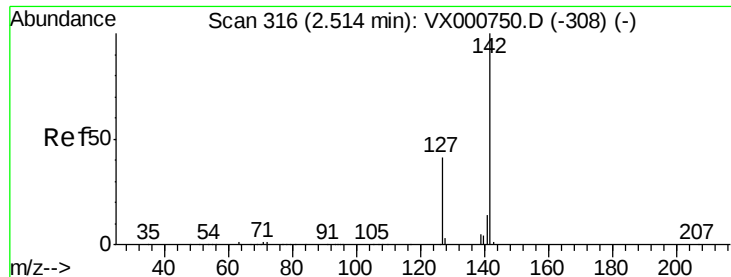
96 52.1 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

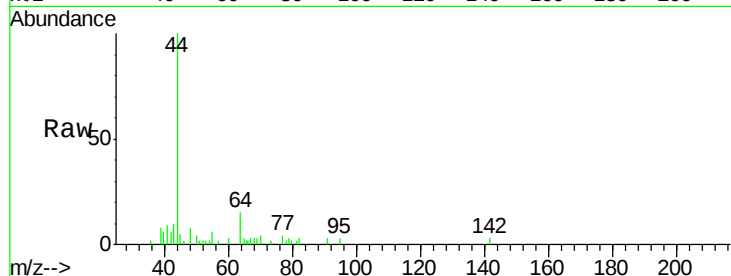




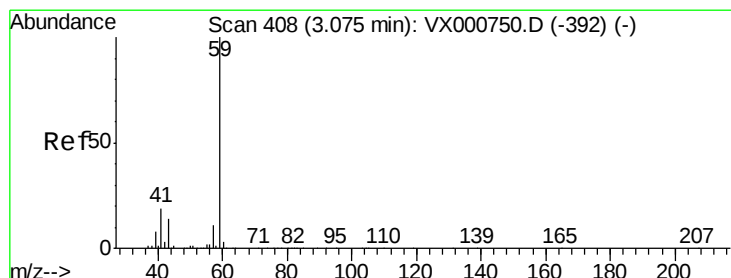
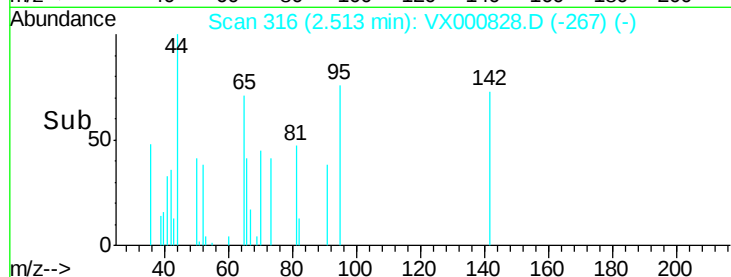
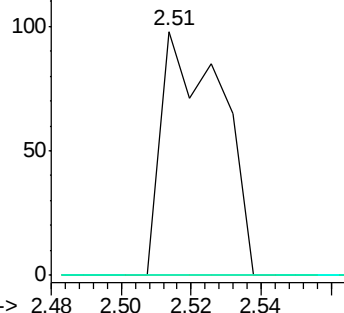
#10
Methyl Iodide
Concen: 8.28 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000828.D
Acq: 13 Apr 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
SU-03-041118

Tgt Ion: 142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#

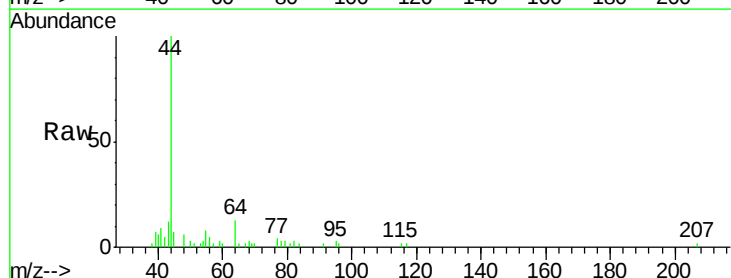


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

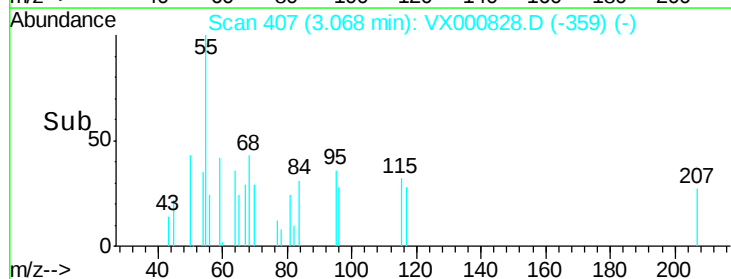
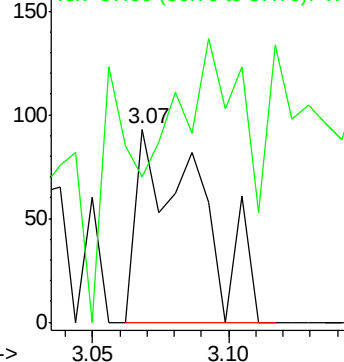


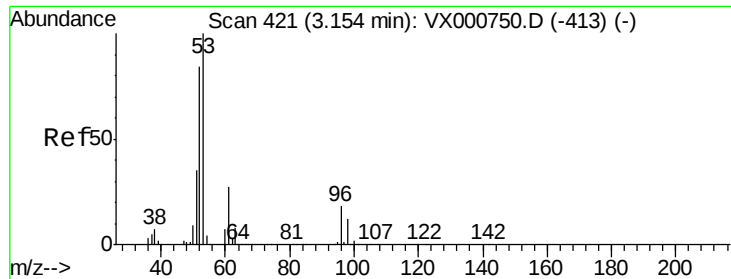
#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000828.D
Acq: 13 Apr 2018 03:11

Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 68.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

SU-03-041118

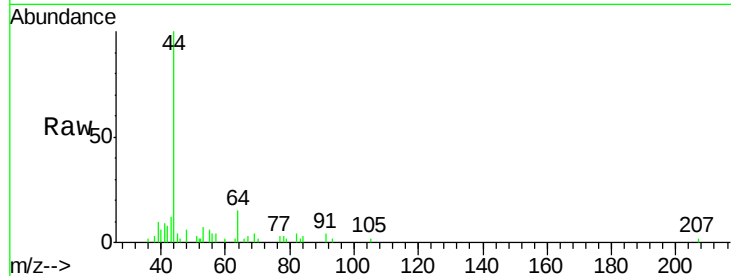
Tgt Ion: 53 Resp: 478

Ion Ratio Lower Upper

53 100

52 61.9 66.5 99.7#

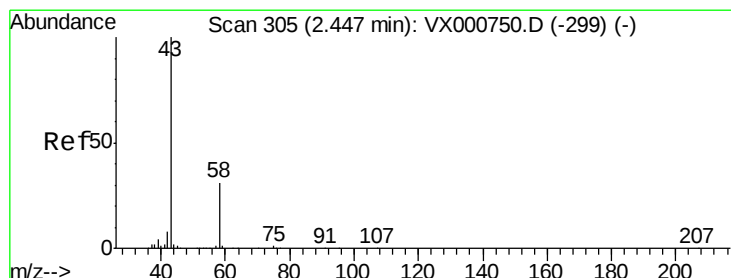
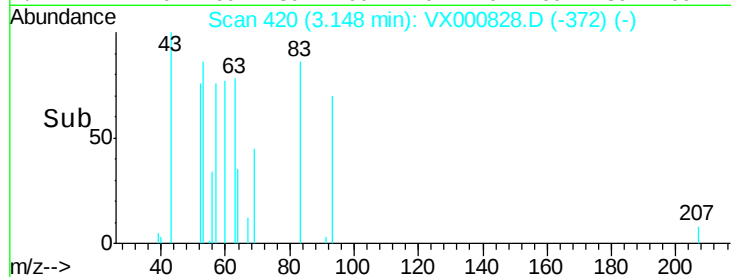
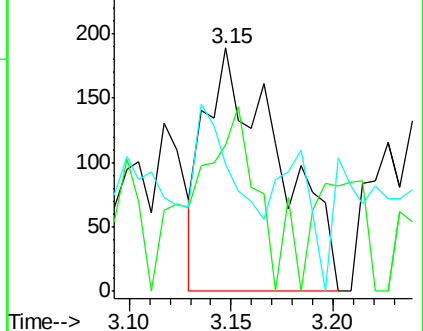
51 0.0 28.8 43.2#



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: 5.47 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000828.D

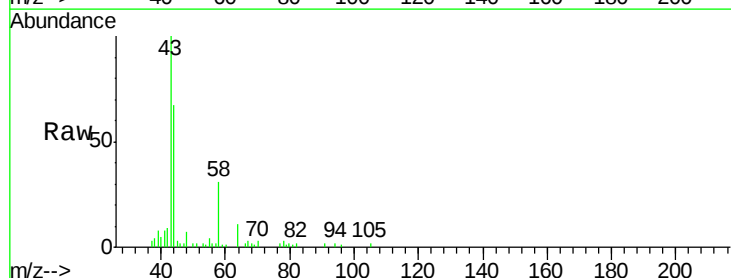
Acq: 13 Apr 2018 03:11

Tgt Ion: 43 Resp: 6716

Ion Ratio Lower Upper

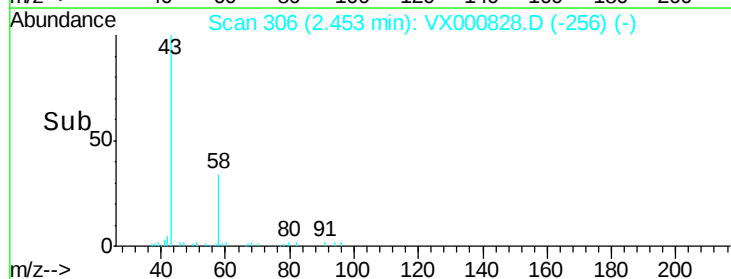
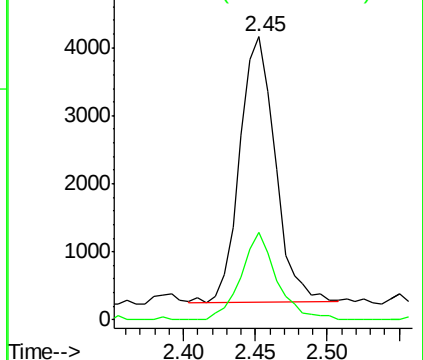
43 100

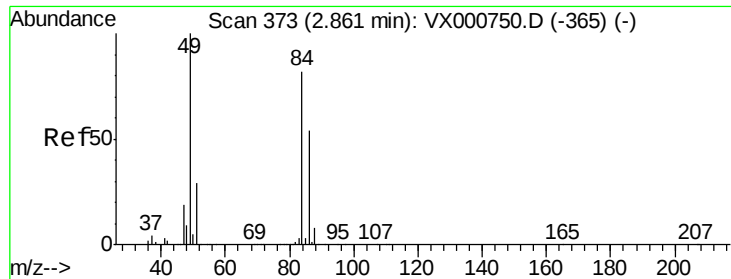
58 33.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 9.10 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

SU-03-041118

Tgt Ion: 84 Resp: 25996

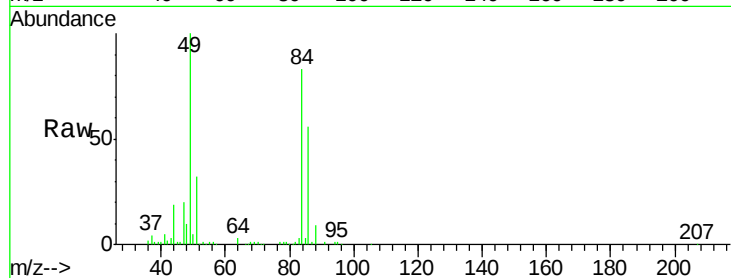
Ion Ratio Lower Upper

84 100

49 120.4 98.1 147.1

51 38.0 28.9 43.3

86 67.5 52.7 79.1

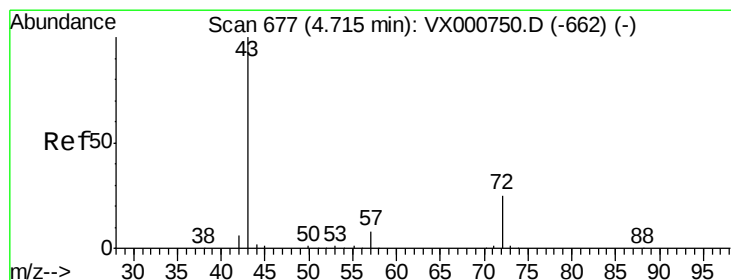
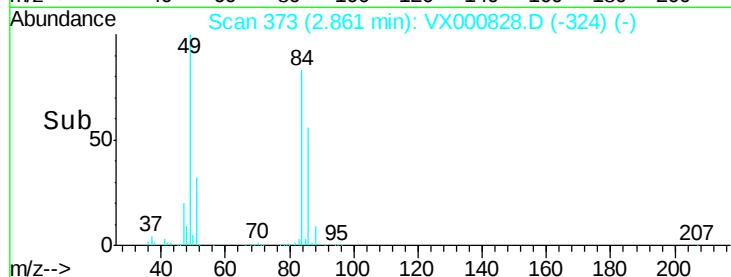
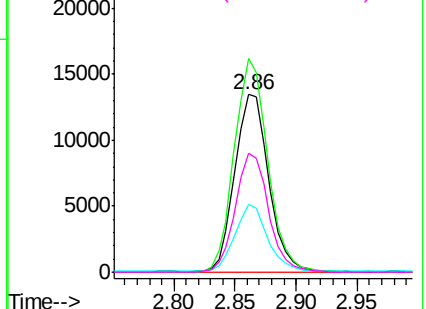


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.71 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000828.D

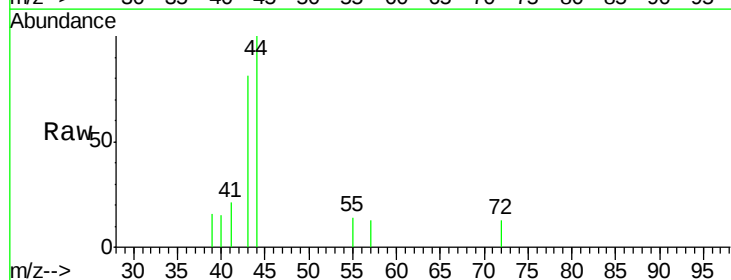
Acq: 13 Apr 2018 03:11

Tgt Ion: 43 Resp: 1431

Ion Ratio Lower Upper

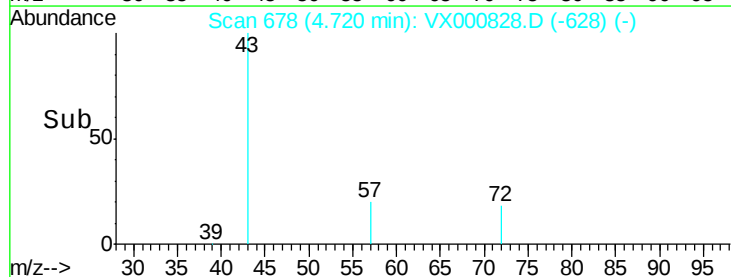
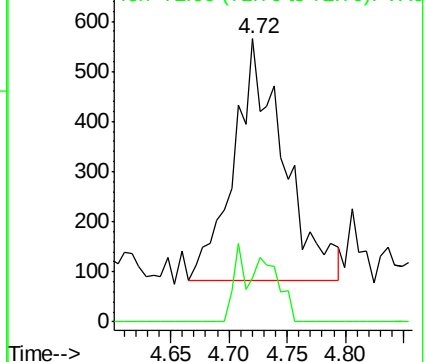
43 100

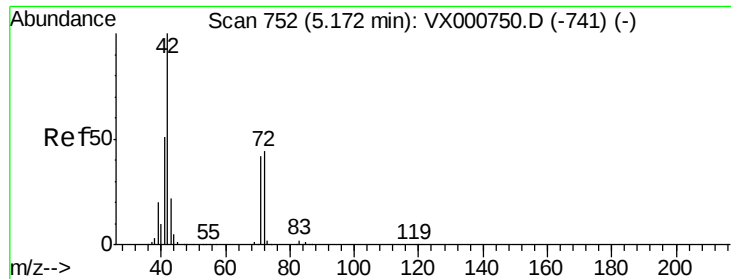
72 18.3 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

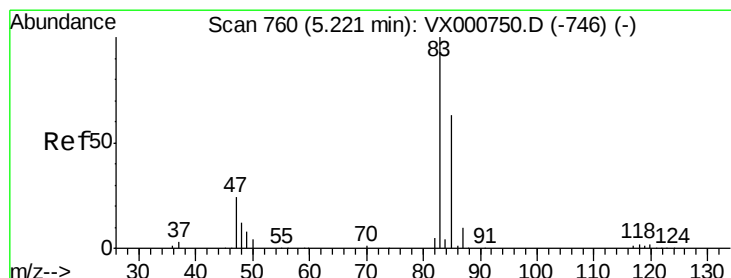
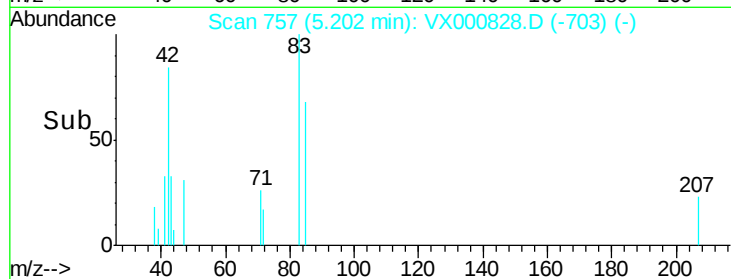
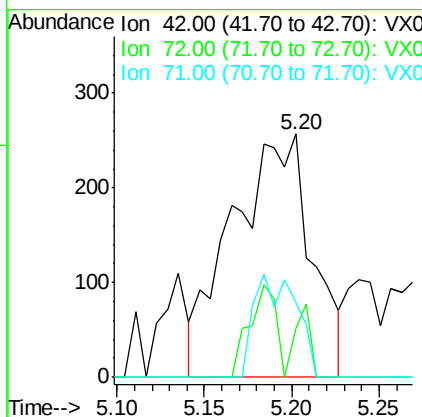
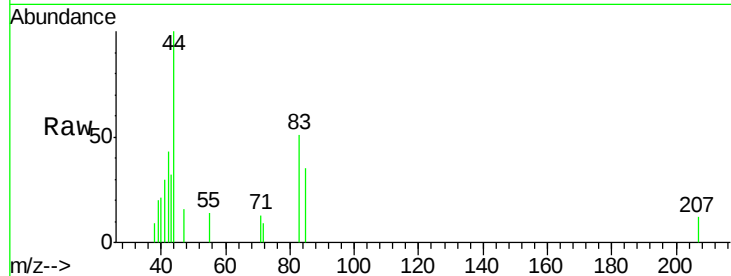




#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 5.20 min Scan# 757
Delta R.T. 0.03 min
Lab File: VX000828.D
Acq: 13 Apr 2018 03:11

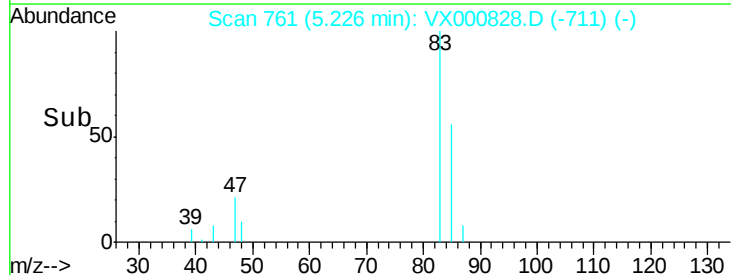
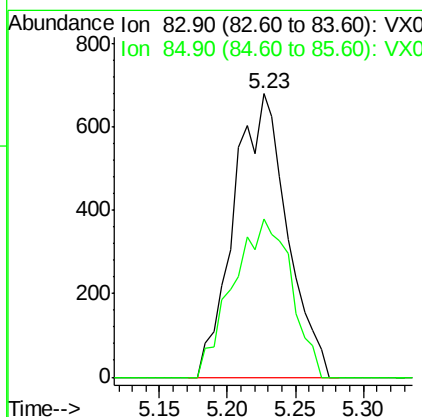
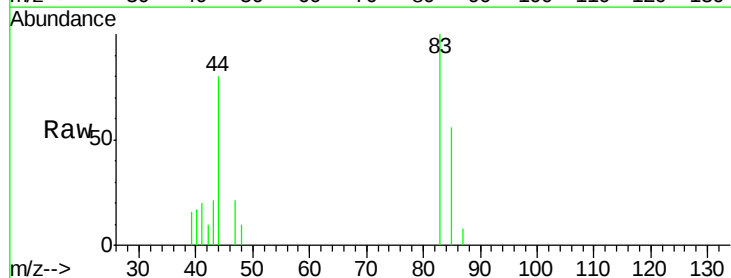
Instrument :
MSVOA_X
ClientSampleId :
SU-03-041118

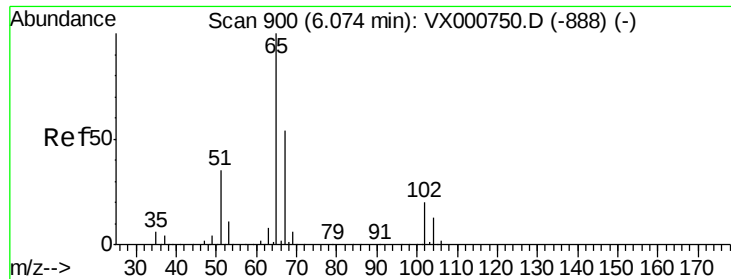
Tgt Ion: 42 Resp: 809
Ion Ratio Lower Upper
42 100
72 5.8 35.1 52.7#
71 0.0 32.8 49.2#



#30
Chloroform
Concen: 0.36 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000828.D
Acq: 13 Apr 2018 03:11

Tgt Ion: 83 Resp: 1859
Ion Ratio Lower Upper
83 100
85 56.0 50.7 76.1





#33

1,2-Dichloroethane-d4

Concen: 44.70 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

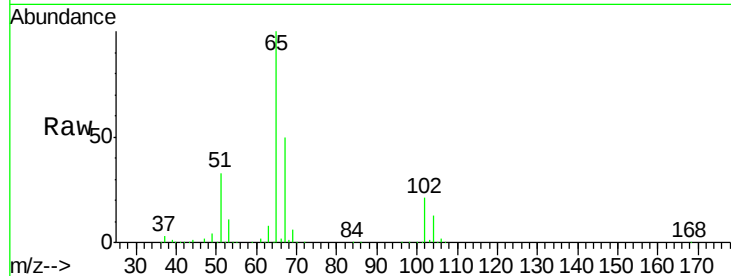
SU-03-041118

Tgt Ion: 65 Resp: 159216

Ion Ratio Lower Upper

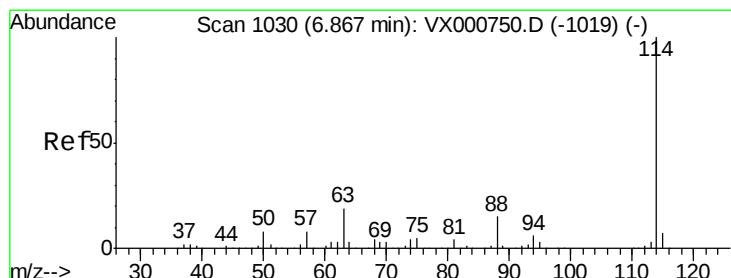
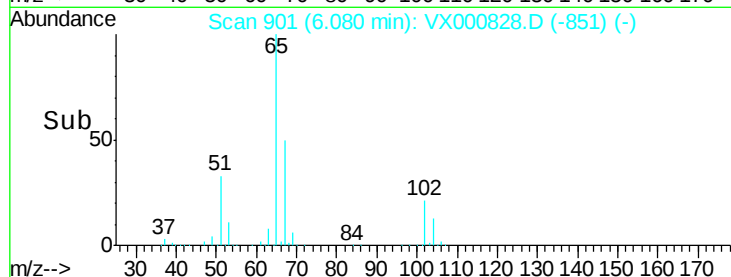
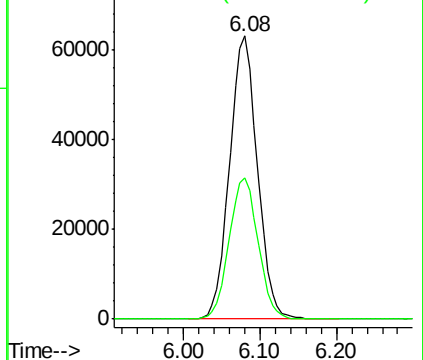
65 100

67 51.9 0.0 103.8



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. 0.01 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

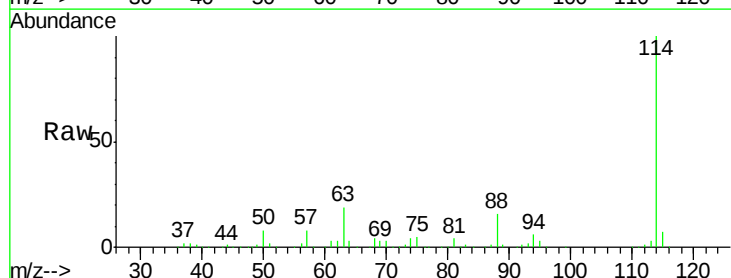
Tgt Ion: 114 Resp: 364949

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

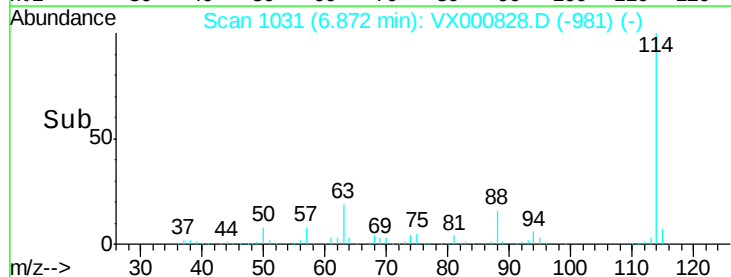
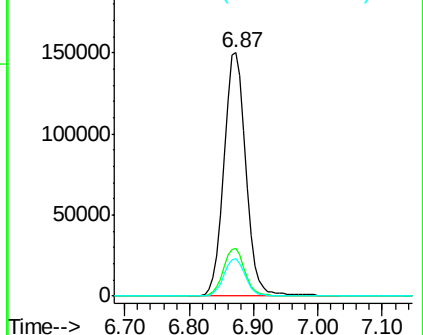
88 15.6 0.0 31.0

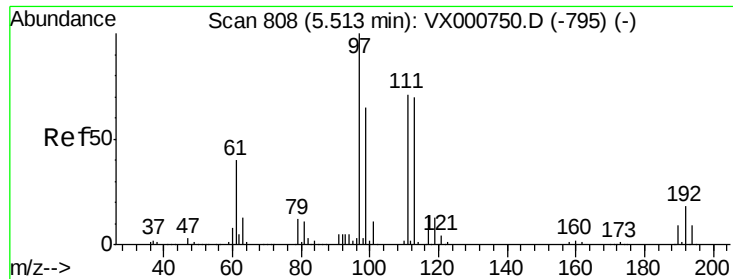


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

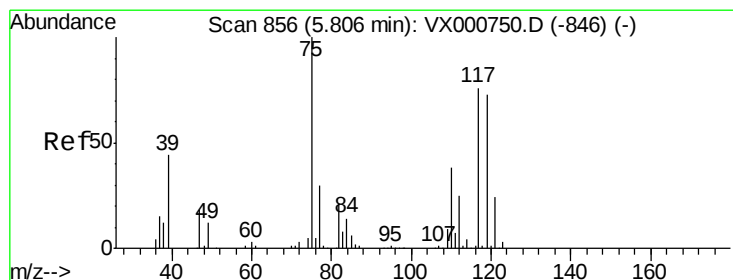
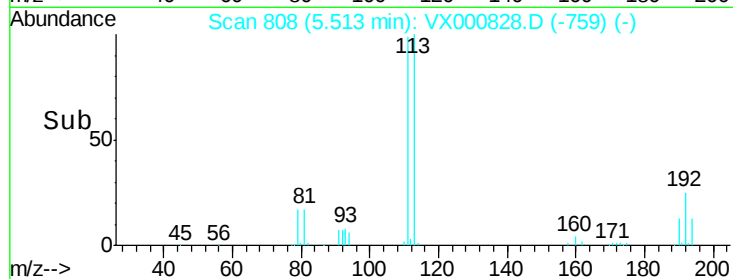
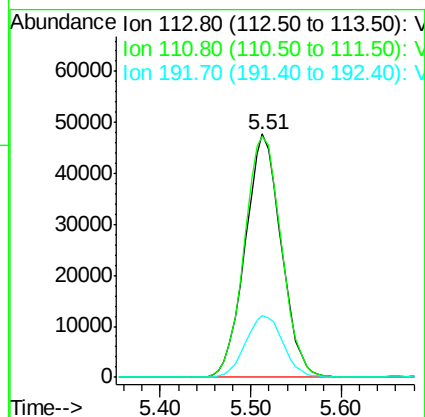
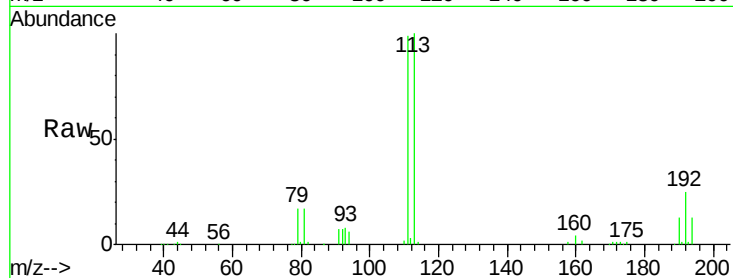




#35
 Dibromofluoromethane
 Concen: 46.53 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000828.D
 Acq: 13 Apr 2018 03:11

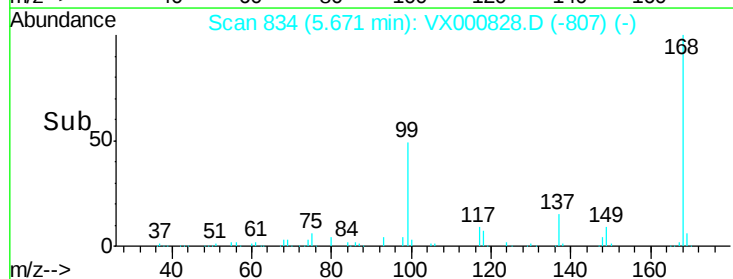
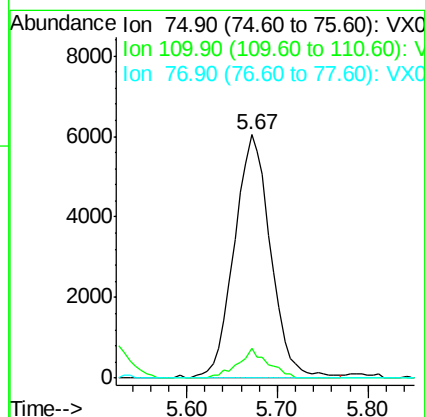
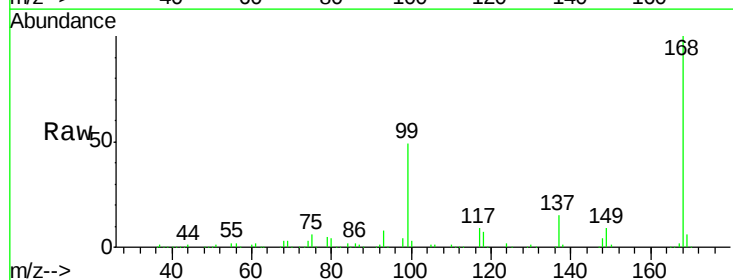
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-041118

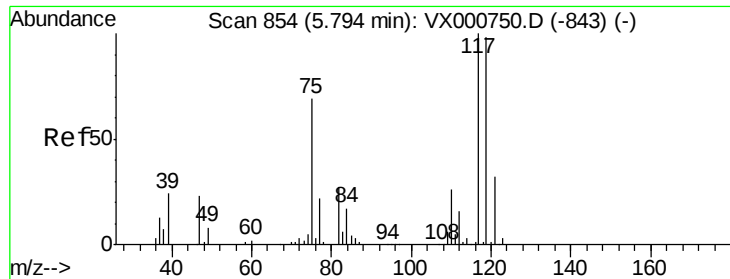
Tgt Ion:113 Resp: 130825
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 26.4 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.18 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000828.D
 Acq: 13 Apr 2018 03:11

Tgt Ion: 75 Resp: 16801
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.2 57.6#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.30 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

SU-03-041118

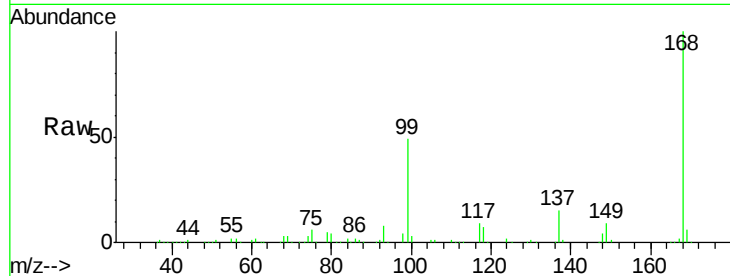
Tgt Ion: 117 Resp: 23845

Ion Ratio Lower Upper

117 100

119 5.4 78.4 117.6#

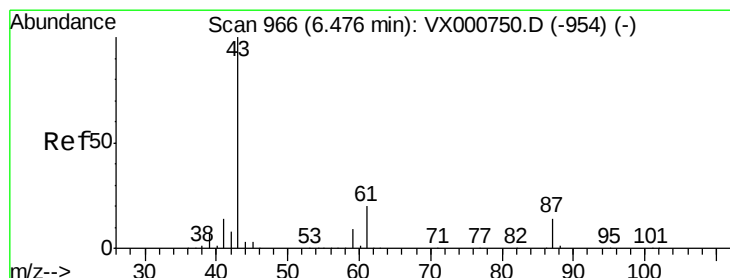
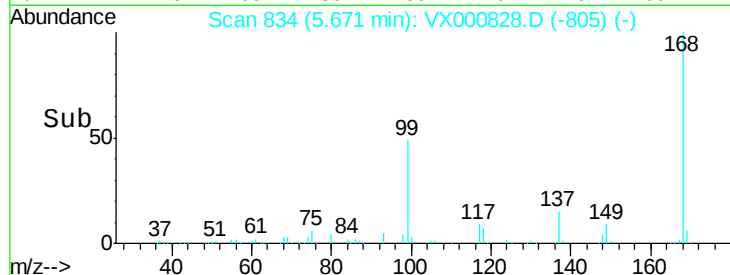
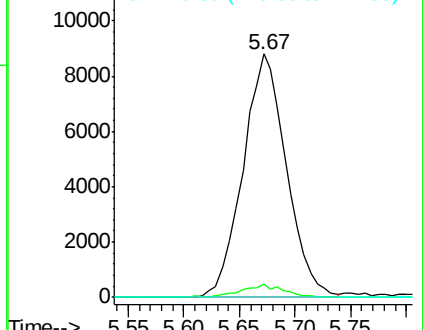
121 0.0 25.4 38.0#



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: 0.44 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

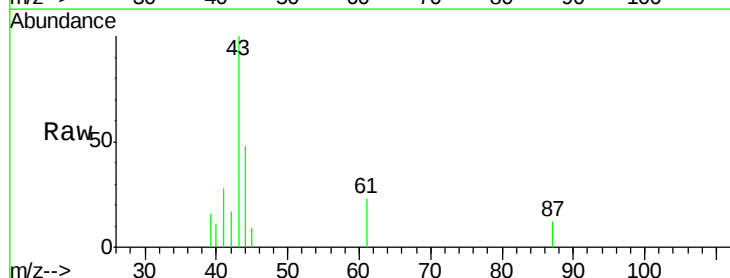
Tgt Ion: 43 Resp: 2966

Ion Ratio Lower Upper

43 100

61 18.1 15.6 23.4

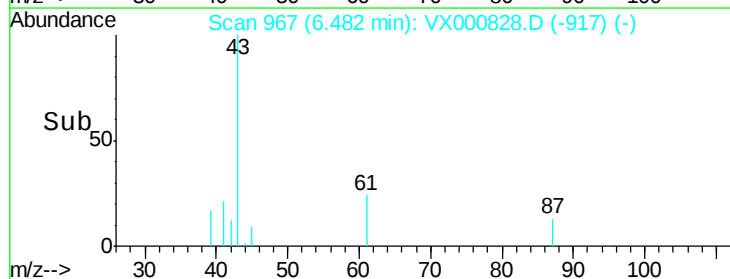
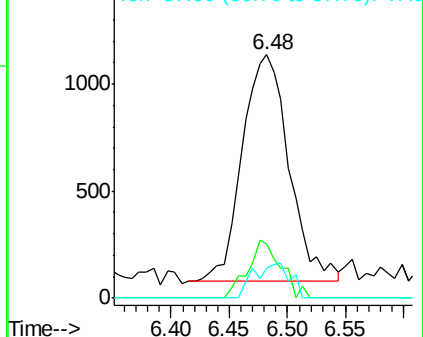
87 11.8 10.7 16.1

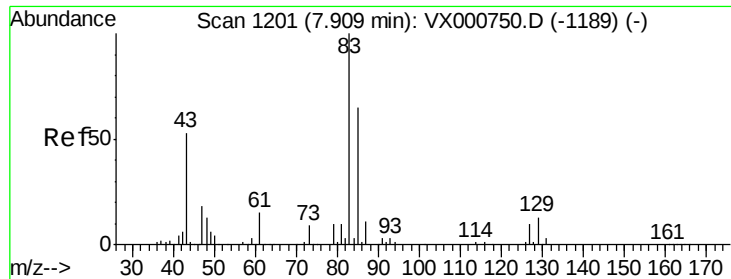


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#47

Bromodichloromethane

Concen: 0.22 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

SU-03-041118

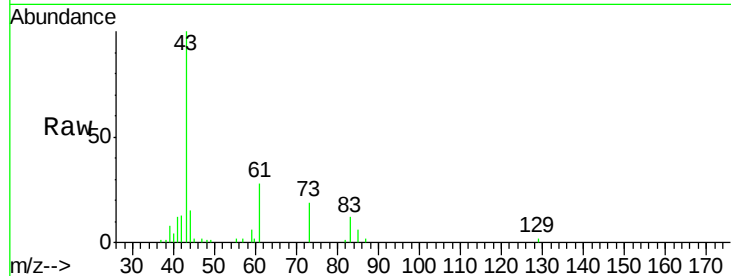
Tgt Ion: 83 Resp: 886

Ion Ratio Lower Upper

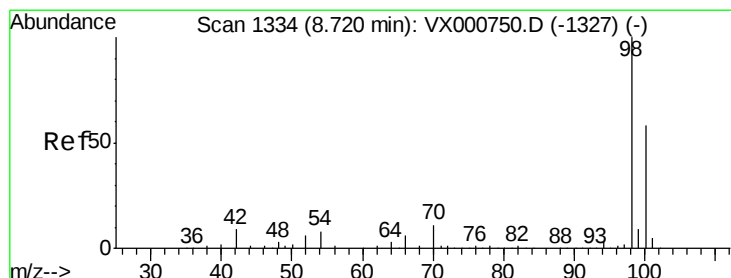
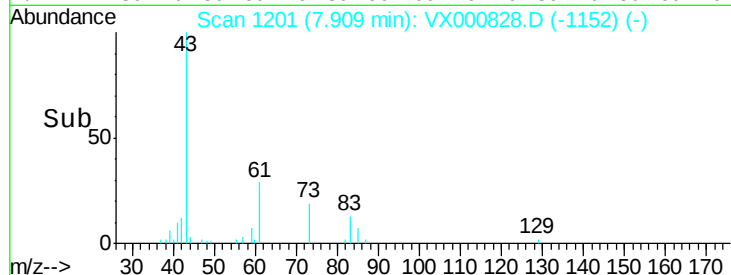
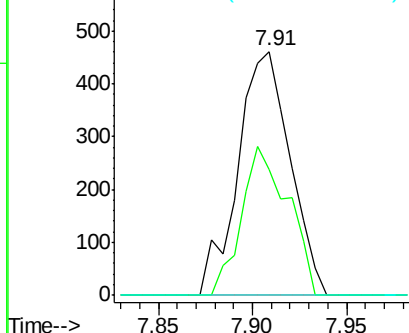
83 100

85 51.8 52.2 78.4#

127 0.0 7.8 11.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#50

Toluene-d8

Concen: 48.33 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000828.D

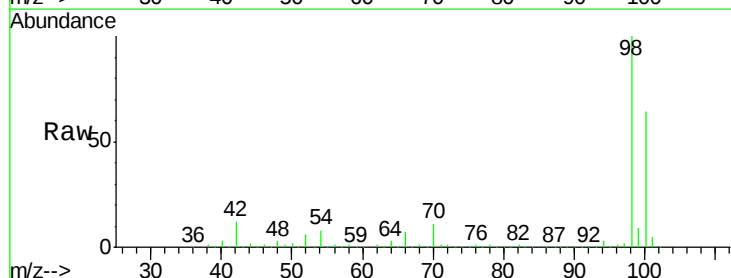
Acq: 13 Apr 2018 03:11

Tgt Ion: 98 Resp: 506000

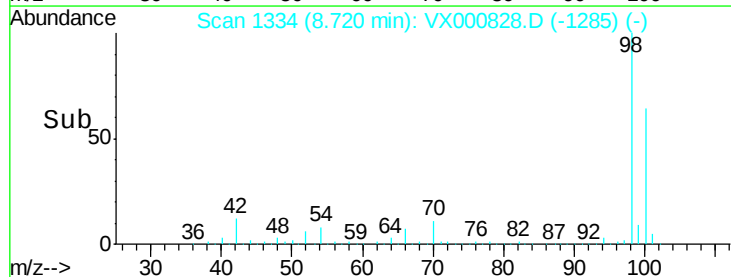
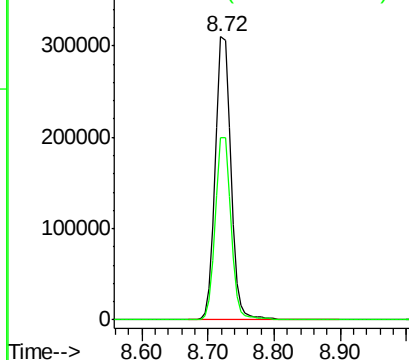
Ion Ratio Lower Upper

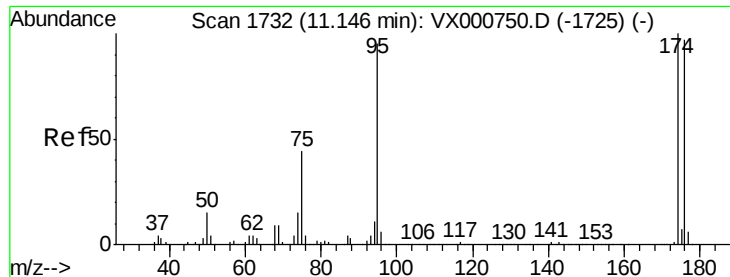
98 100

100 64.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

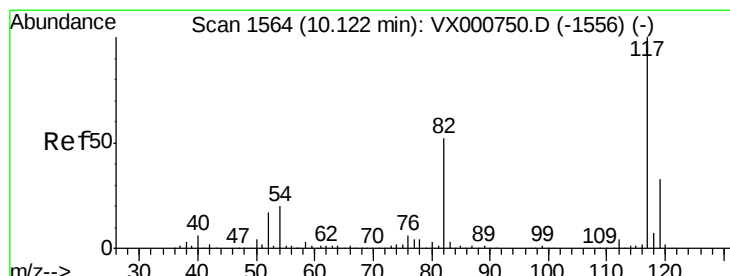
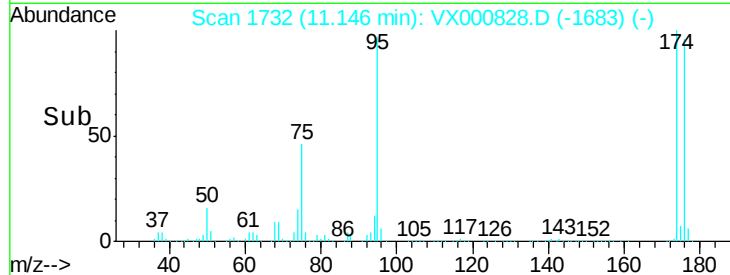
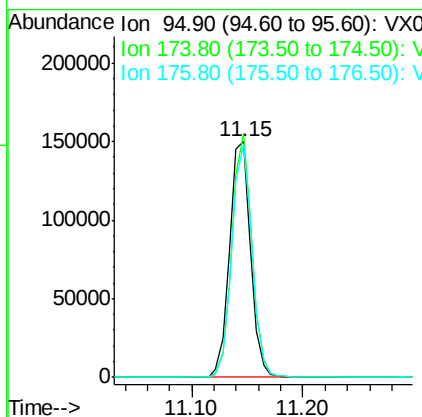
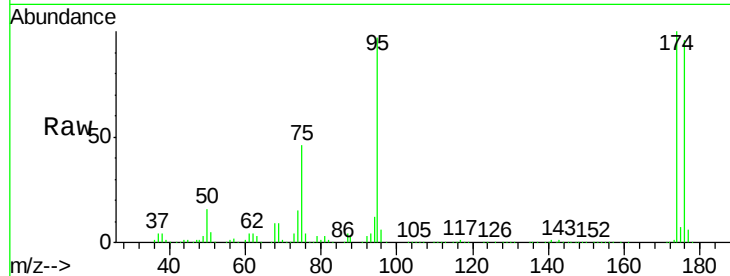




#62
4-Bromofluorobenzene
Concen: 45.12 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000828.D
Acq: 13 Apr 2018 03:11

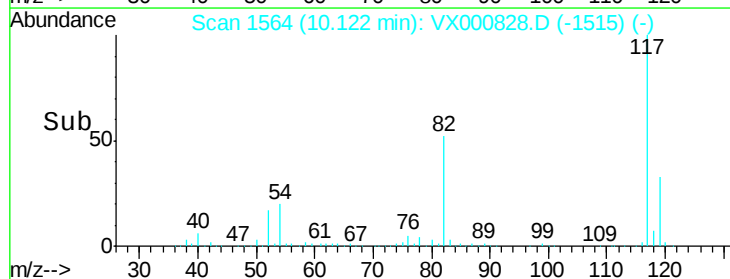
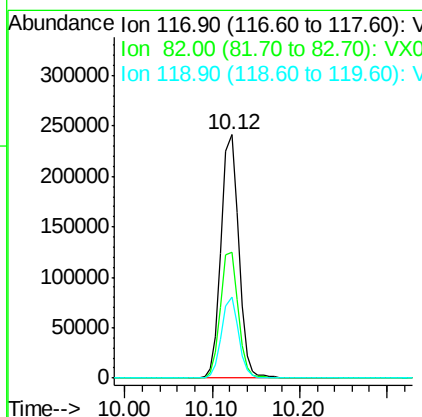
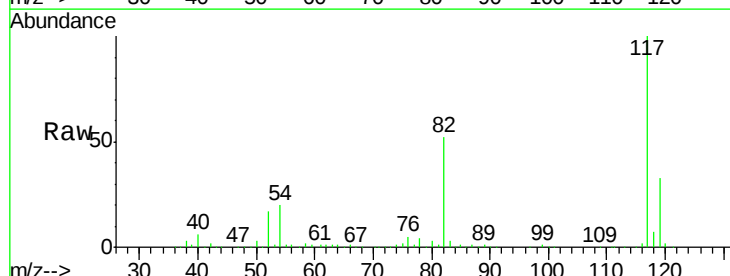
Instrument :
MSVOA_X
ClientSampleId :
SU-03-041118

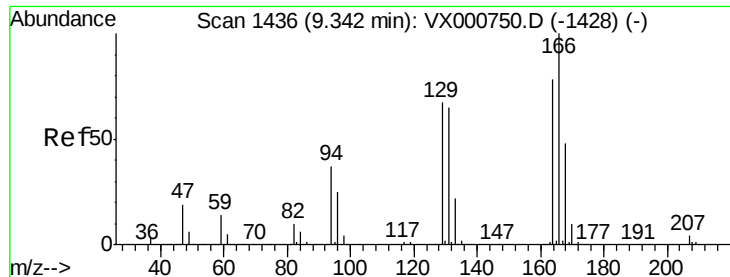
Tgt Ion: 95 Resp: 195452
Ion Ratio Lower Upper
95 100
174 98.1 0.0 198.4
176 95.5 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000828.D
Acq: 13 Apr 2018 03:11

Tgt Ion: 117 Resp: 336199
Ion Ratio Lower Upper
117 100
82 51.8 41.9 62.9
119 33.3 26.0 39.0





#64

Tetrachloroethene

Concen: 0.97 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

SU-03-041118

Tgt Ion:164 Resp: 3183

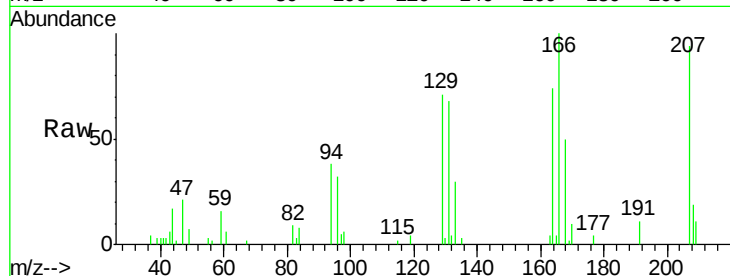
Ion Ratio Lower Upper

164 100

166 135.7 102.8 154.2

129 97.0 68.5 102.7

131 92.9 66.6 100.0

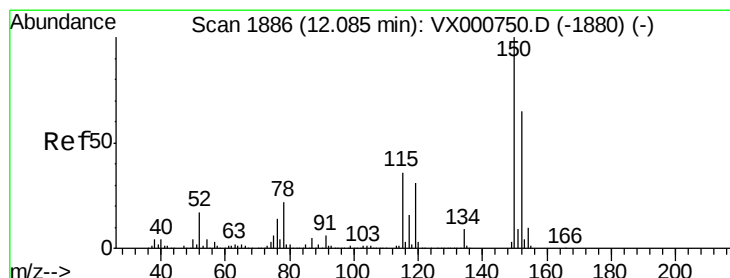
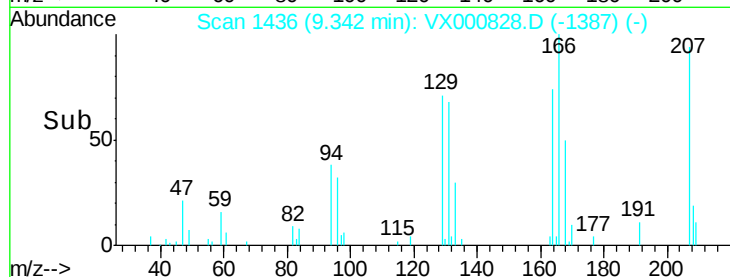
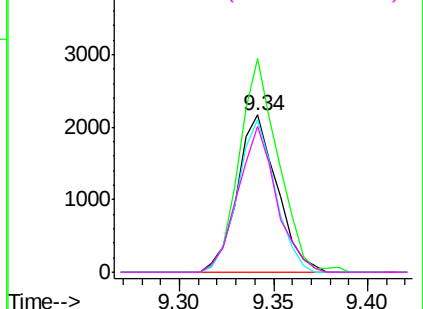


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

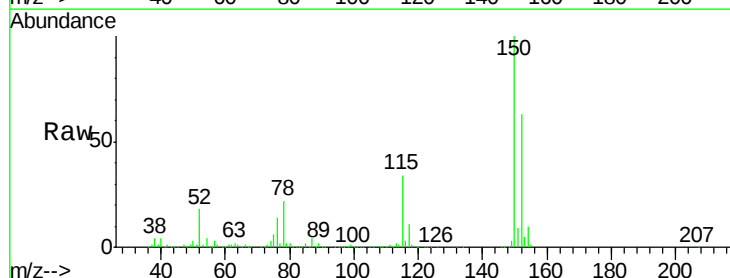
Tgt Ion:152 Resp: 216362

Ion Ratio Lower Upper

152 100

115 53.6 37.9 113.7

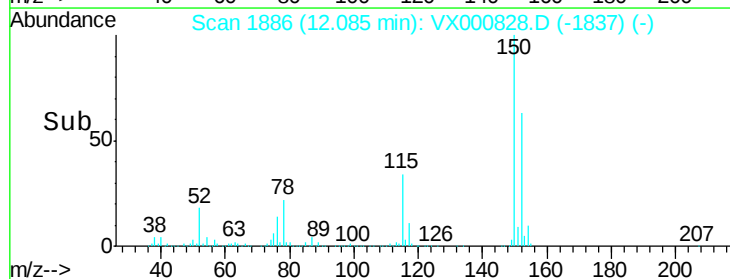
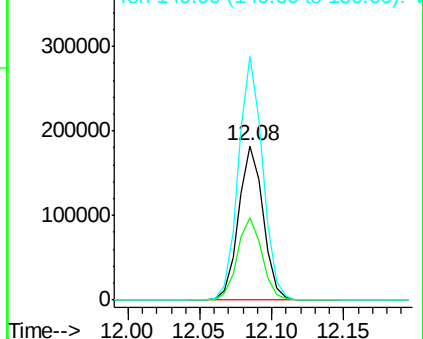
150 156.0 0.0 348.0

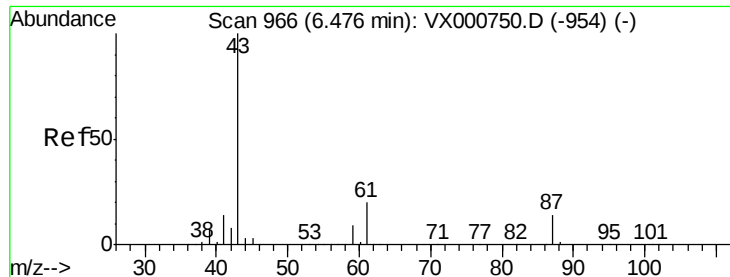


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.48 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

SU-03-041118

Tgt Ion: 43 Resp: 2966

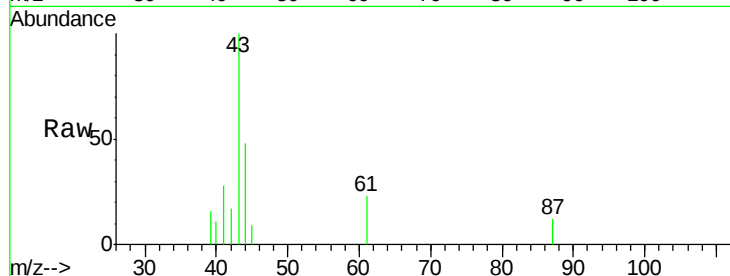
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 6.6 0.0 0.0#

61 18.1 15.6 23.4

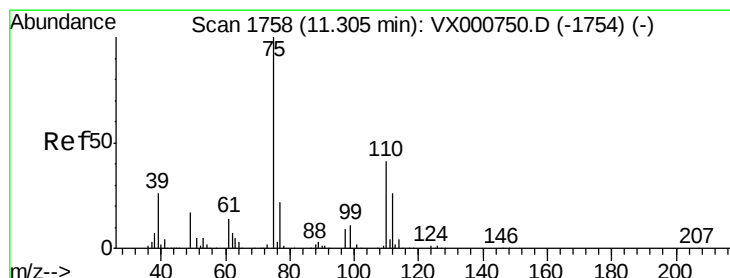
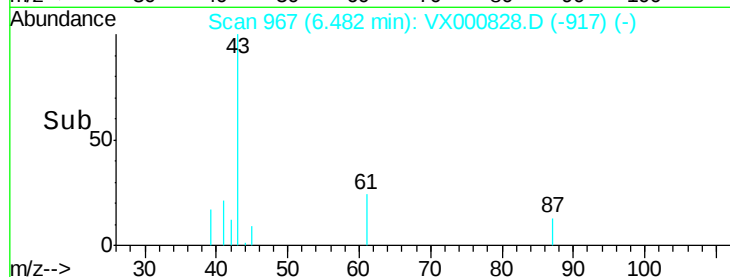
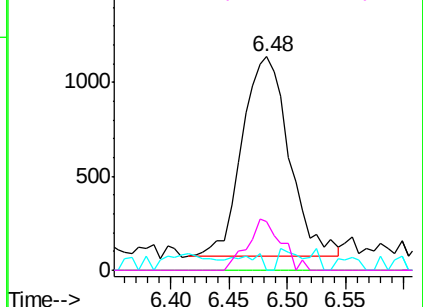


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000828.D

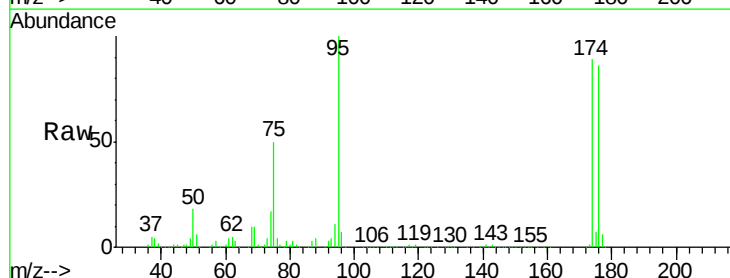
Acq: 13 Apr 2018 03:11

Tgt Ion: 75 Resp: 95495

Ion Ratio Lower Upper

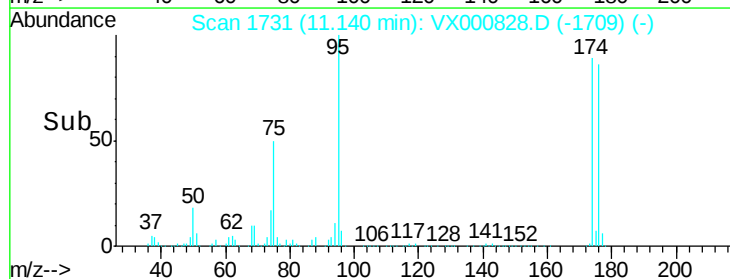
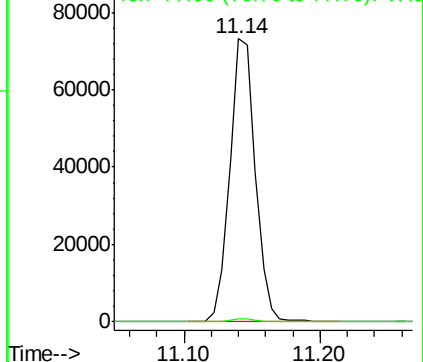
75 100

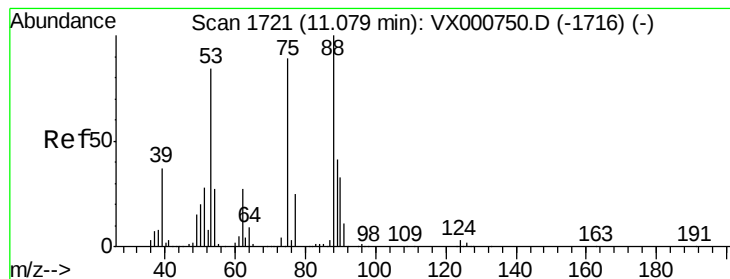
77 1.1 20.5 61.5#



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: 70.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

SU-03-041118

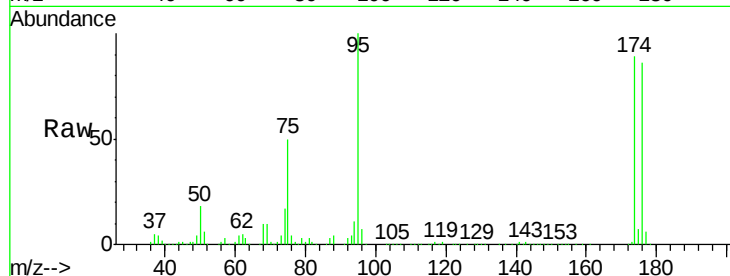
Tgt Ion: 75 Resp: 95495

Ion Ratio Lower Upper

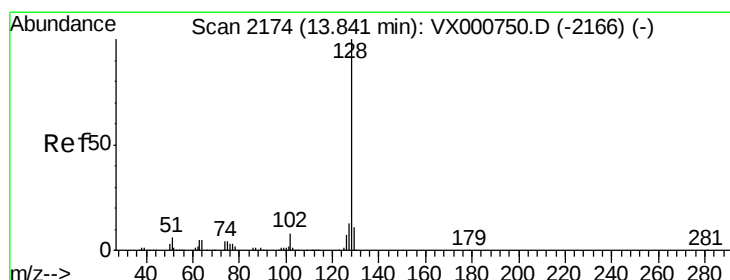
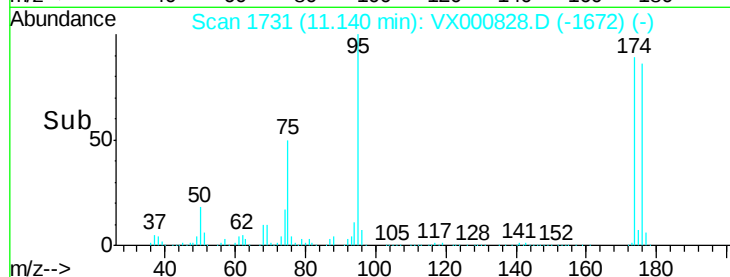
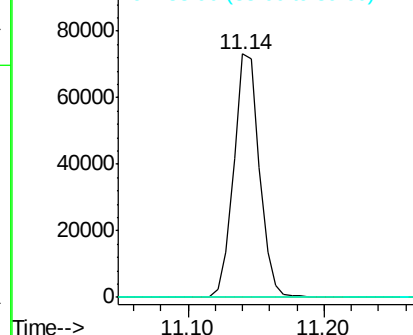
75 100

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: 7.46 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000828.D

Acq: 13 Apr 2018 03:11

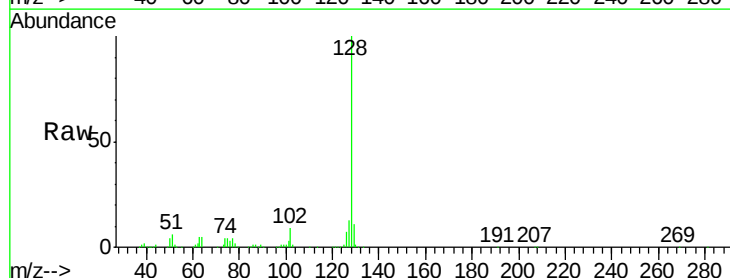
Tgt Ion: 128 Resp: 117413

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.0 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

