

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000827.D
 Acq On : 13 Apr 2018 02:46
 Operator : JC/MD
 Sample : J2335-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S3

Quant Time: Apr 13 07:01:45 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	283635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371463	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227516	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	161996	45.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.60%	
35) Dibromofluoromethane	5.51	113	133074	46.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.00%	
50) Toluene-d8	8.73	98	512958	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.15	95	203169	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.16%	

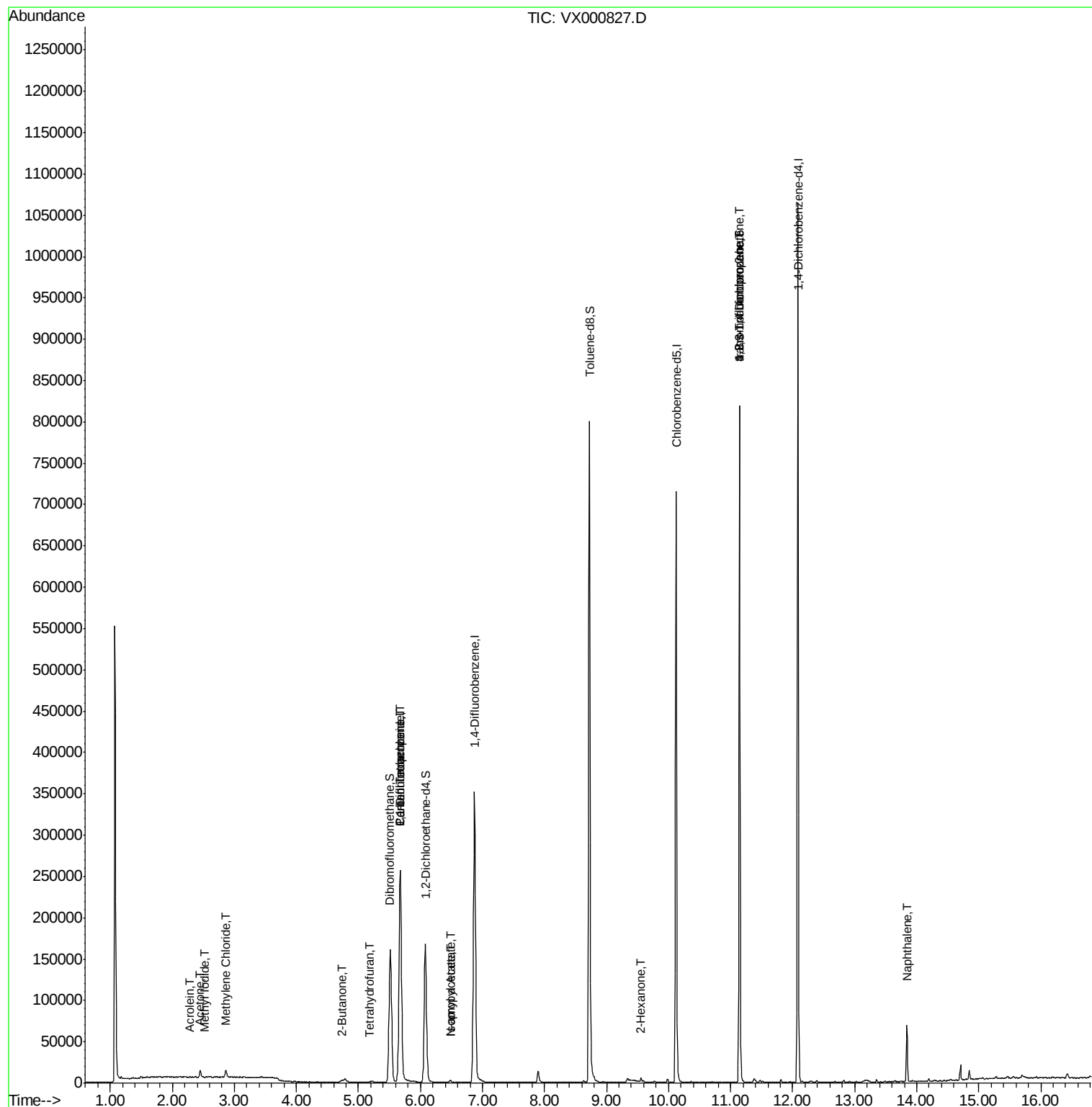
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	327	Below Cal	#	40
10) Methyl Iodide	2.52	142	120	8.28	ug/l #	42
13) Acrolein	2.29	56	191	0.62	ug/l #	38
16) Acetone	2.45	43	9011	7.31	ug/l	94
20) Methylene Chloride	2.87	84	4305	1.50	ug/l #	84
25) 2-Butanone	4.72	43	3339	1.64	ug/l #	88
29) Tetrahydrofuran	5.17	42	780	0.60	ug/l #	62
36) 1,1-Dichloropropene	5.67	75	16802	4.11	ug/l #	49
38) Carbon Tetrachloride	5.68	117	23670	5.17	ug/l #	14
43) Isopropyl Acetate	6.48	43	3079	0.45	ug/l	97
59) 2-Hexanone	9.55	43	694	0.22	ug/l #	57
74) N-amyl acetate	6.48	43	3079	0.47	ug/l #	99
76) 1,2,3-Trichloropropane	11.14	75	99048	25.24	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	99048	69.44	ug/l #	11
95) Naphthalene	13.84	128	41718	2.52	ug/l	100

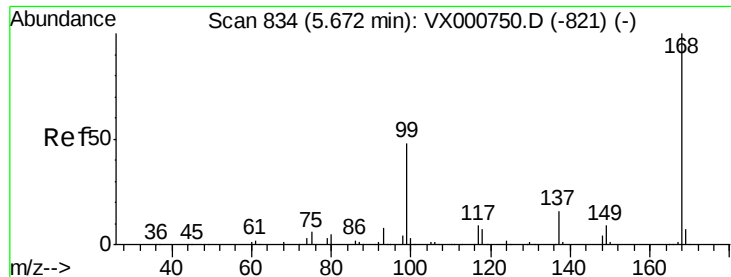
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000827.D

Acq: 13 Apr 2018 02:46

Instrument :

MSVOA_X

ClientSampled :

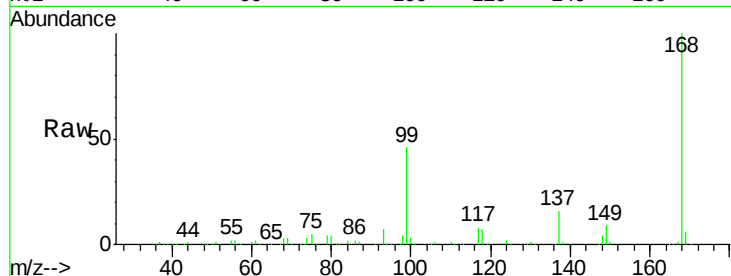
S3

Tgt Ion:168 Resp: 283635

Ion Ratio Lower Upper

168 100

99 46.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

100000

80000

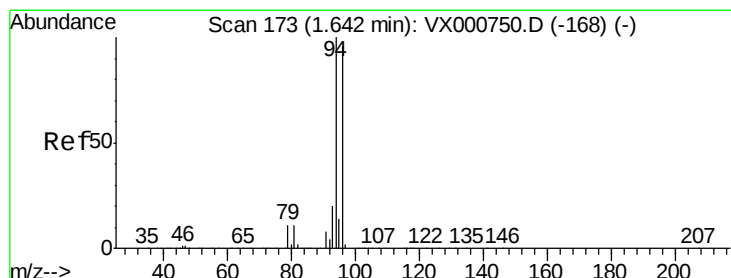
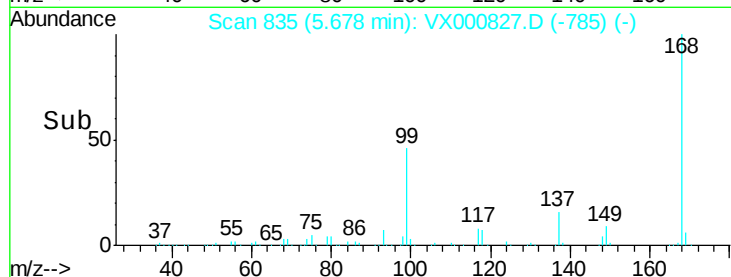
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000827.D

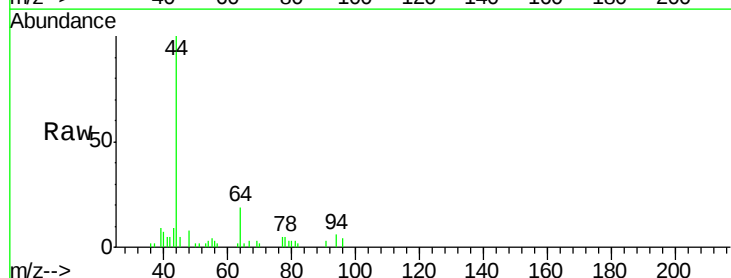
Acq: 13 Apr 2018 02:46

Tgt Ion: 94 Resp: 327

Ion Ratio Lower Upper

94 100

96 37.7 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

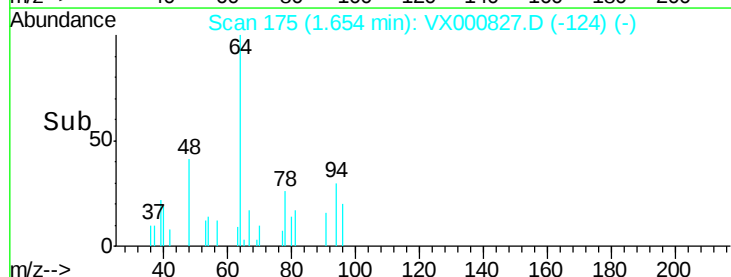
150

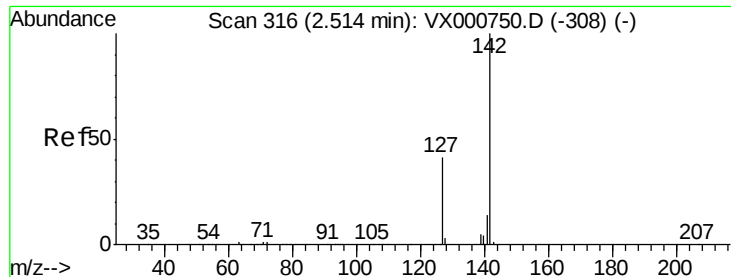
100

50

0

Time--> 1.60 1.65 1.70





#10

Methyl Iodide

Concen: 8.28 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

S3

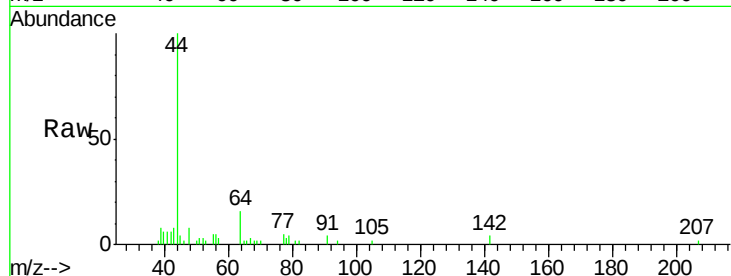
Tgt Ion:142 Resp: 120

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

141 0.0 11.5 17.3#

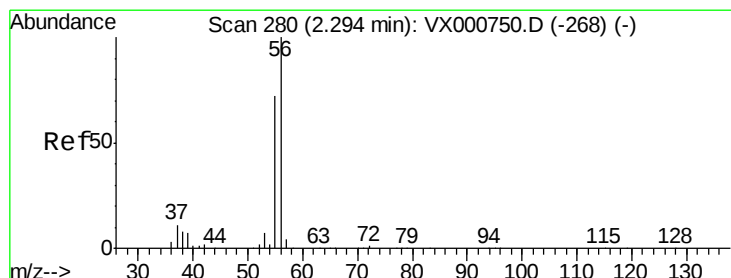
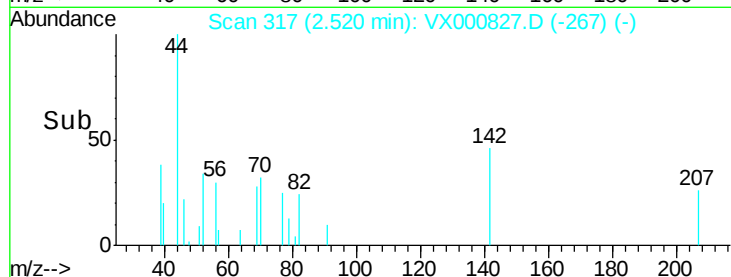


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time--> 2.48 2.50 2.52 2.54



#13

Acrolein

Concen: 0.62 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000827.D

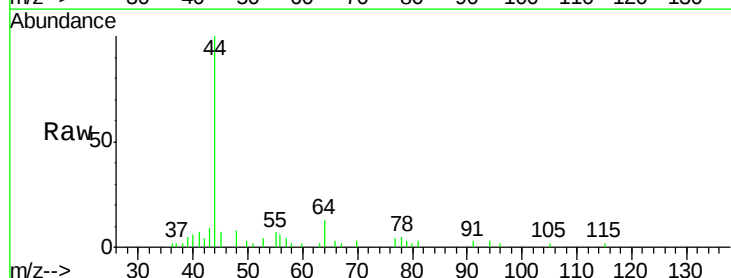
Acq: 13 Apr 2018 02:46

Tgt Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

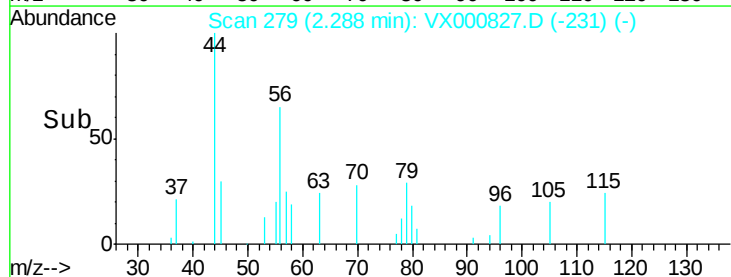
55 20.9 58.7 88.1#

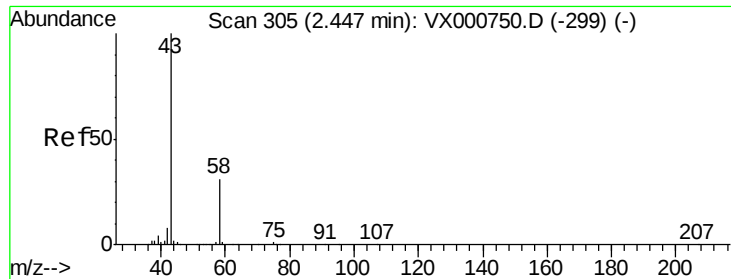


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Time--> 2.26 2.28 2.30 2.32





#16

Acetone

Concen: 7.31 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

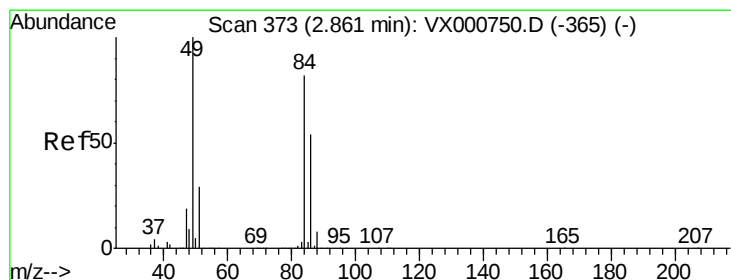
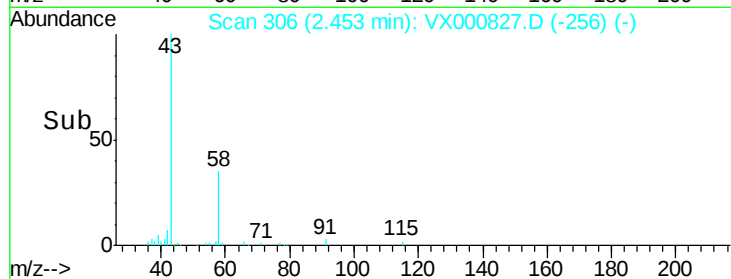
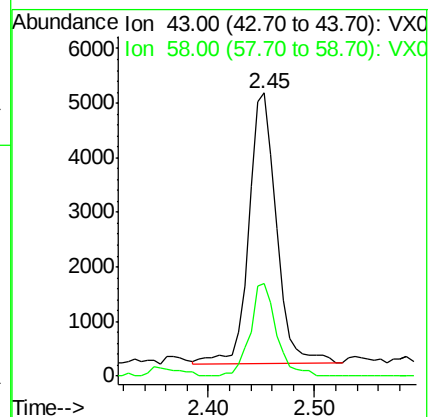
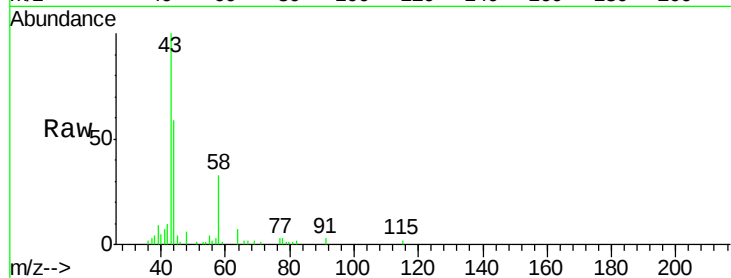
S3

Tgt Ion: 43 Resp: 9011

Ion Ratio Lower Upper

43 100

58 34.1 24.6 37.0



#20

Methylene Chloride

Concen: 1.50 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

Tgt Ion: 84 Resp: 4305

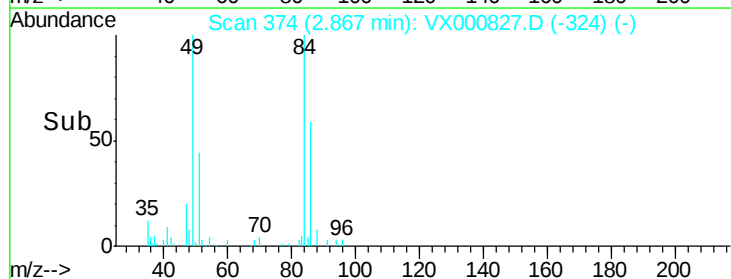
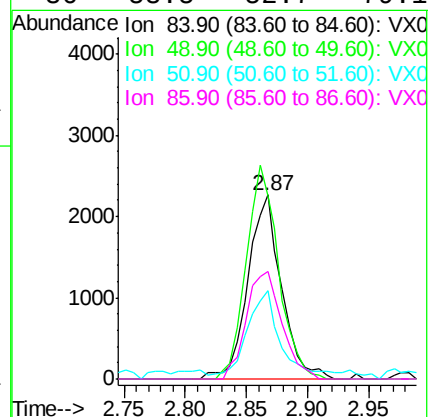
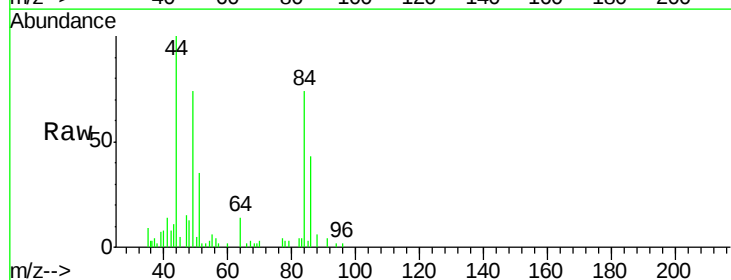
Ion Ratio Lower Upper

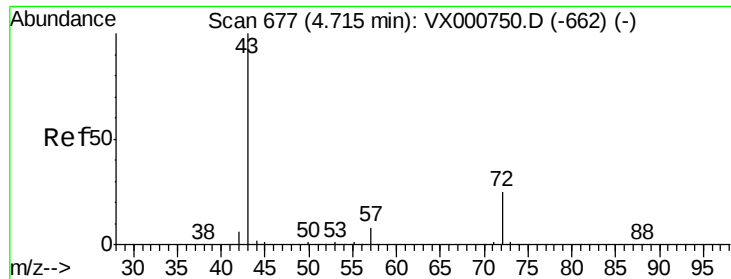
84 100

49 99.7 98.1 147.1

51 44.3 28.9 43.3#

86 58.5 52.7 79.1





#25

2-Butanone

Concen: 1.64 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

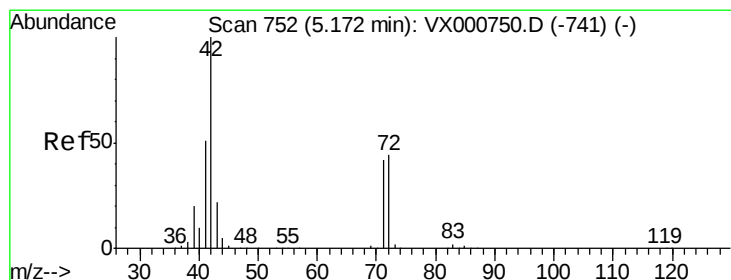
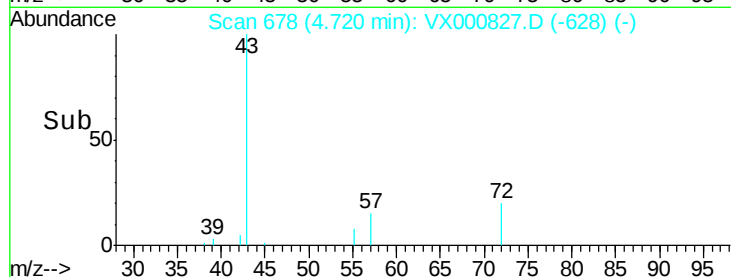
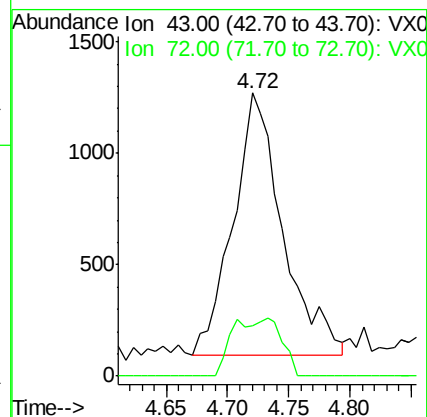
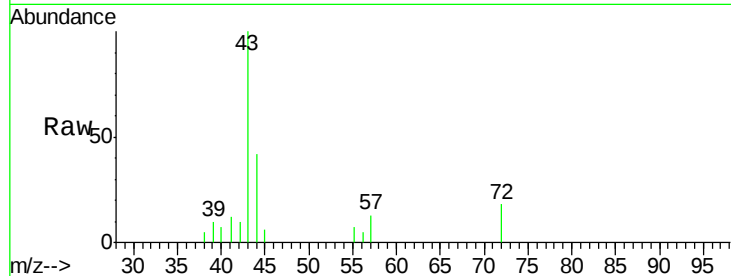
Instrument :
MSVOA_X
ClientSampled :
S3

Tgt Ion: 43 Resp: 3339

Ion Ratio Lower Upper

43 100

72 19.2 20.3 30.5#



#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

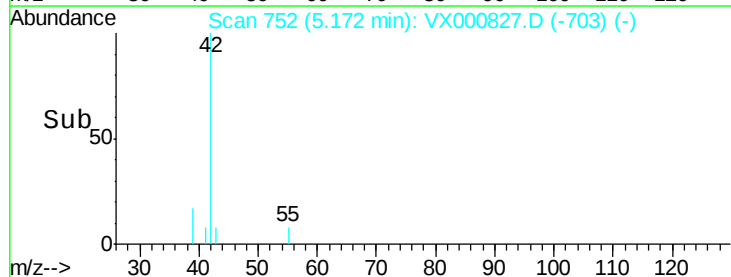
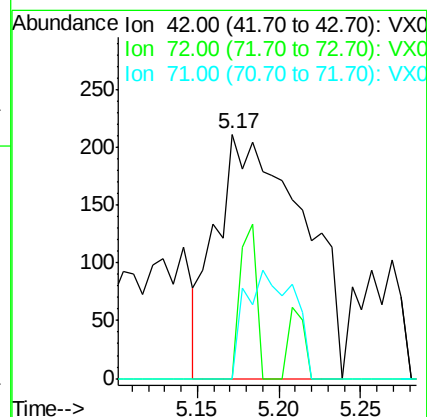
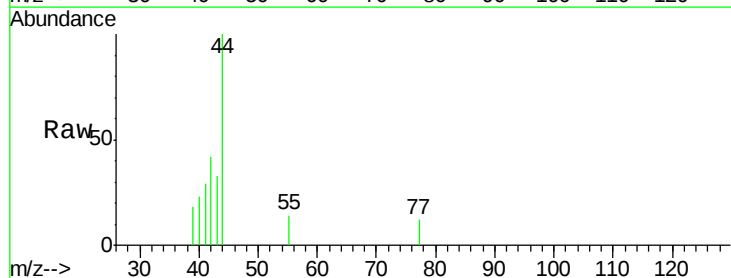
Tgt Ion: 42 Resp: 780

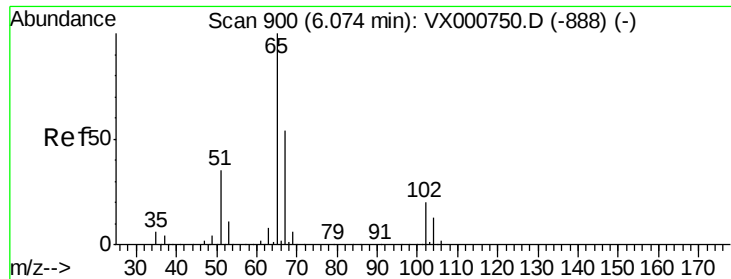
Ion Ratio Lower Upper

42 100

72 11.7 35.1 52.7#

71 24.6 32.8 49.2#

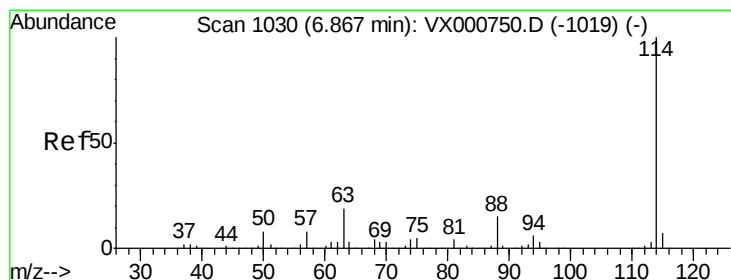
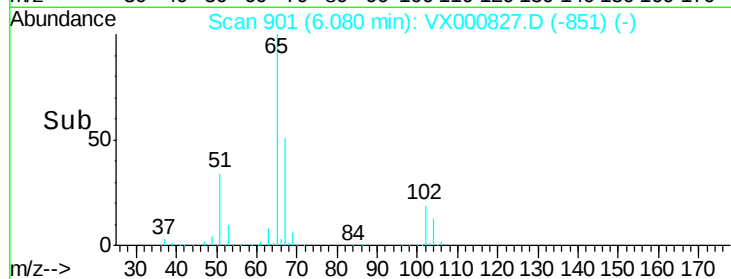
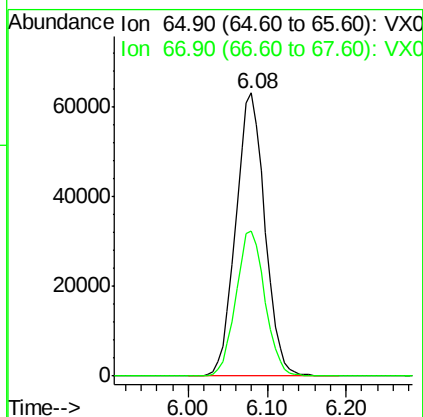
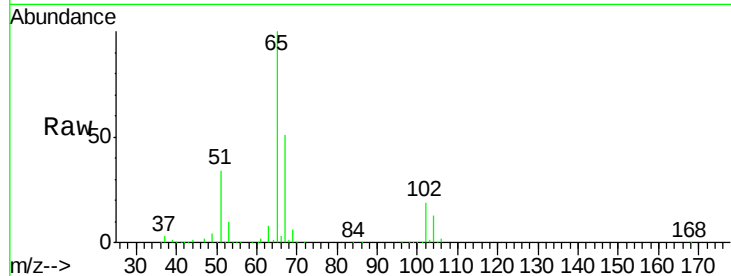




#33
 1,2-Dichloroethane-d4
 Concen: 45.30 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000827.D
 Acq: 13 Apr 2018 02:46

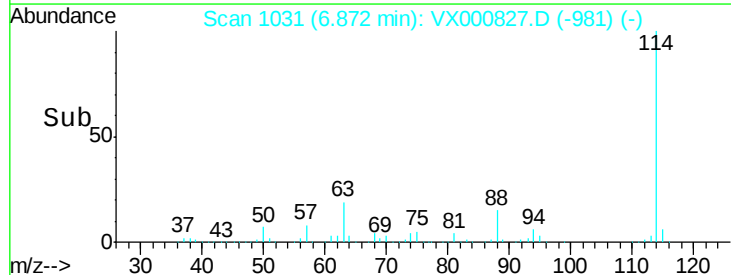
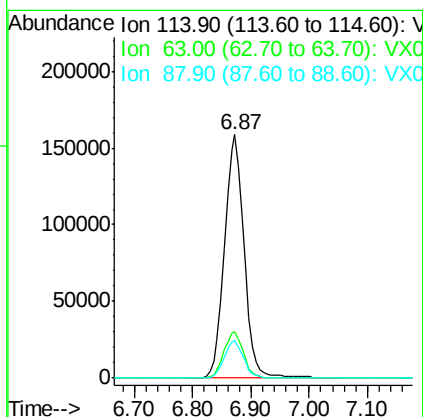
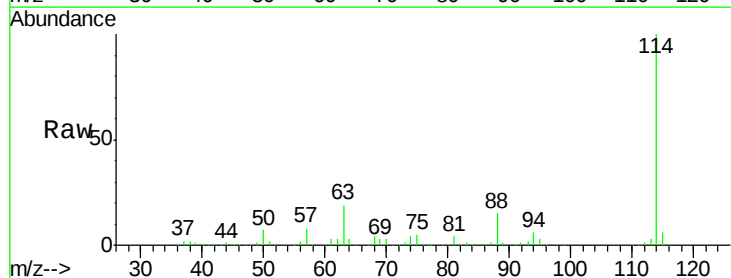
Instrument :
 MSVOA_X
 ClientSampleId :
 S3

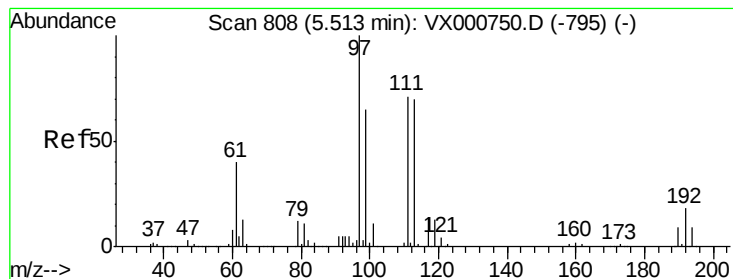
Tgt Ion: 65 Resp: 161996
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000827.D
 Acq: 13 Apr 2018 02:46

Tgt Ion: 114 Resp: 371463
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.50 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

S3

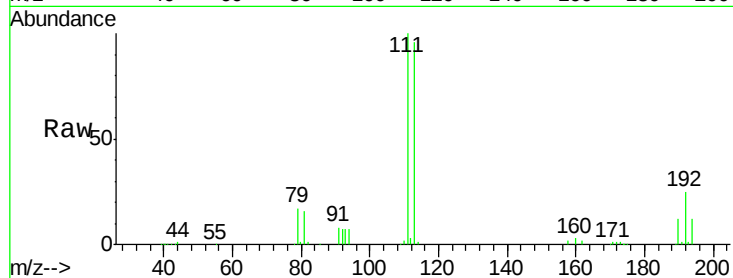
Tgt Ion:113 Resp: 133074

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

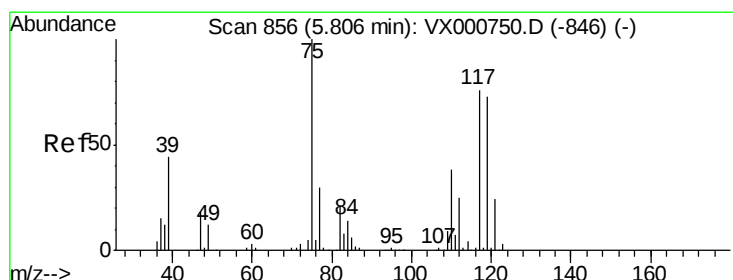
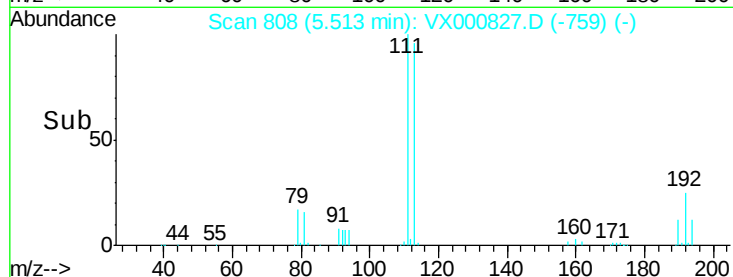
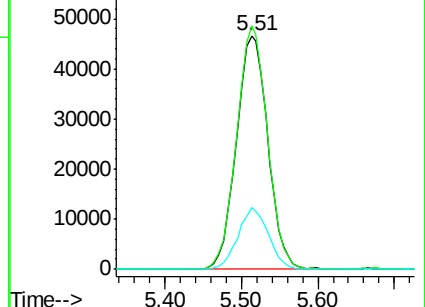
192 25.5 20.4 30.6



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: 4.11 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

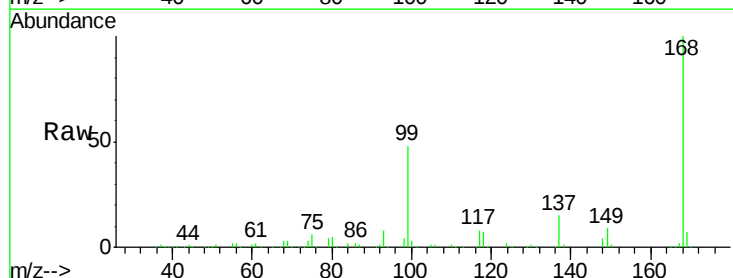
Tgt Ion: 75 Resp: 16802

Ion Ratio Lower Upper

75 100

110 10.5 19.2 57.6#

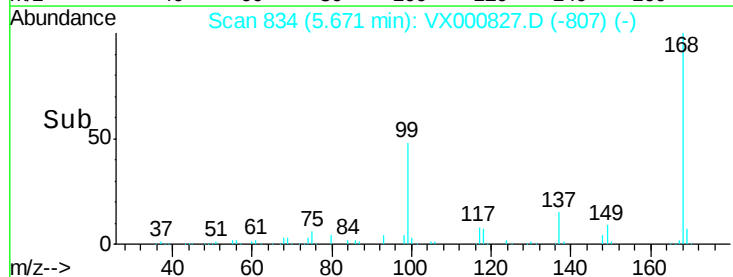
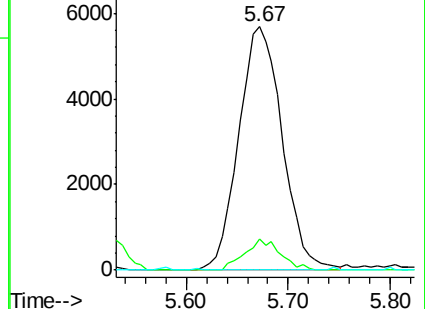
77 0.0 25.4 38.2#

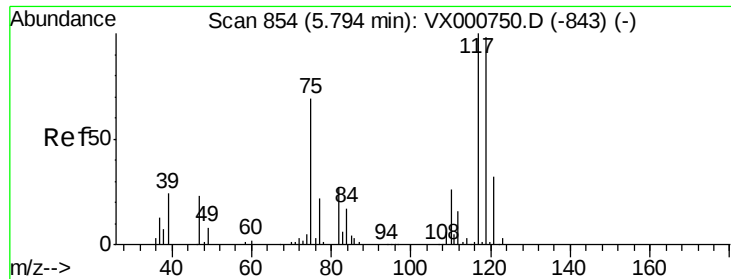


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.17 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

Instrument :

MSVOA_X

ClientSampled :

S3

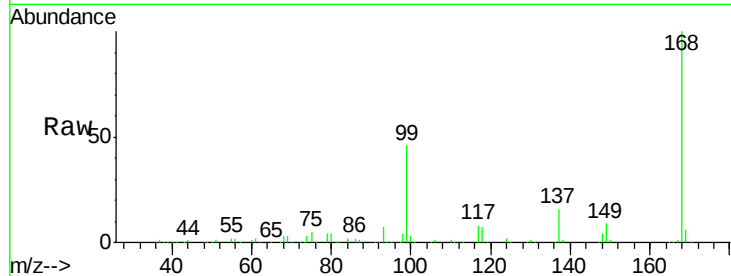
Tgt Ion:117 Resp: 23670

Ion Ratio Lower Upper

117 100

119 4.2 78.4 117.6#

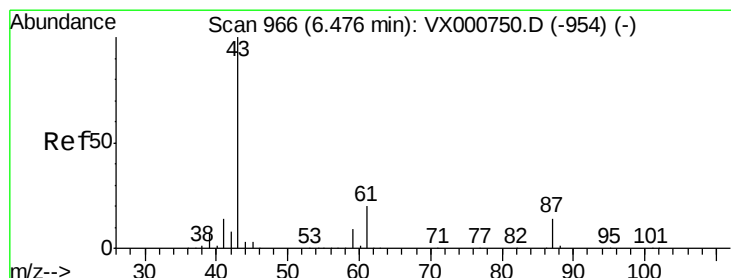
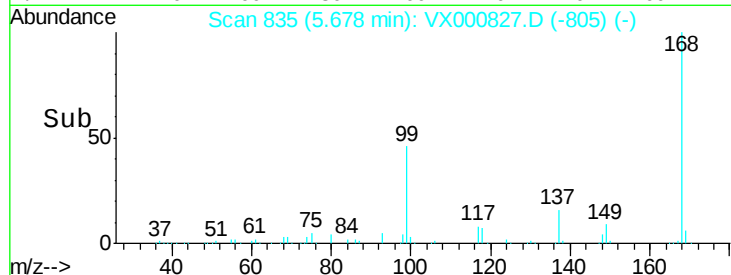
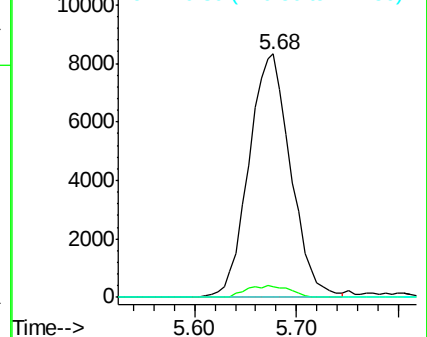
121 0.0 25.4 38.0#



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: 0.45 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

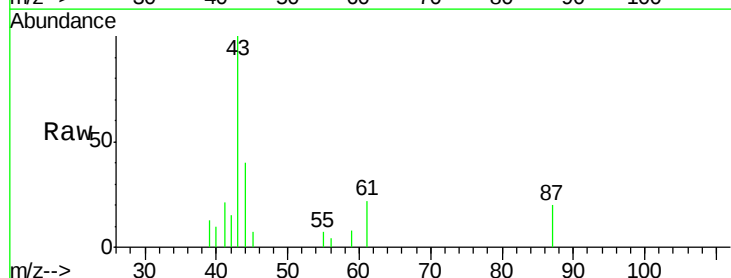
Tgt Ion: 43 Resp: 3079

Ion Ratio Lower Upper

43 100

61 20.0 15.6 23.4

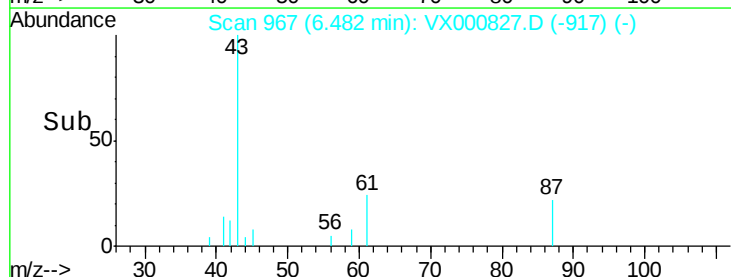
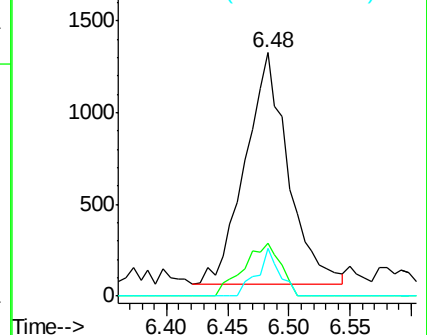
87 10.8 10.7 16.1

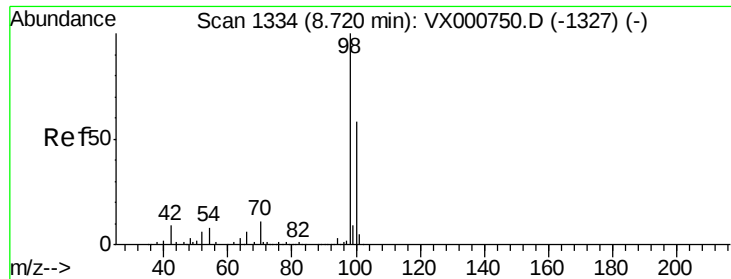


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

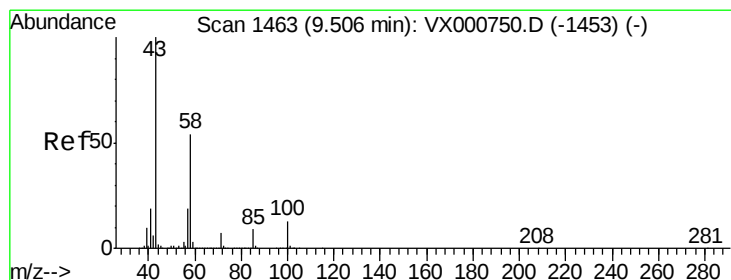
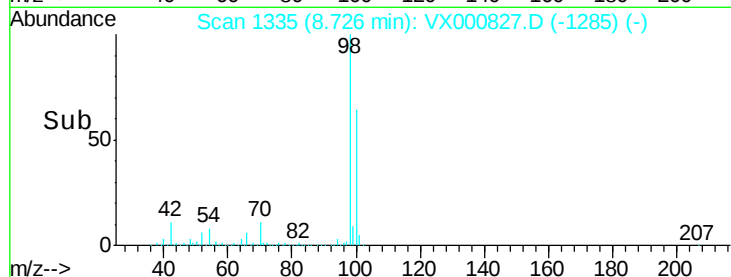
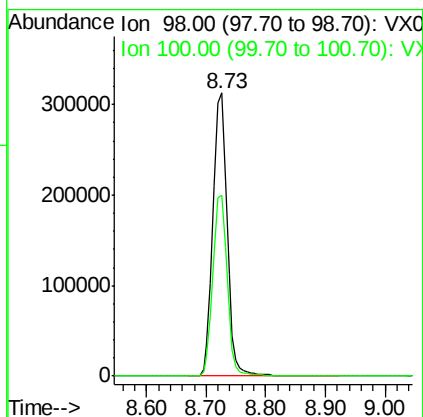
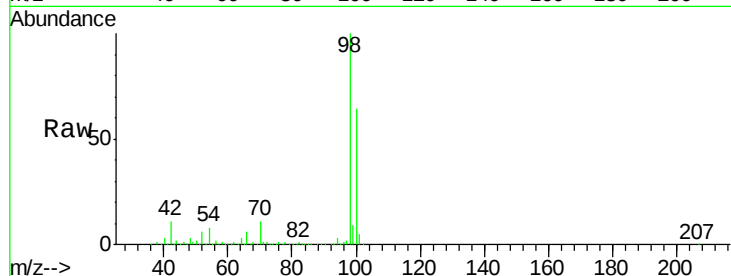




#50
Toluene-d8
Concen: 48.14 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000827.D
Acq: 13 Apr 2018 02:46

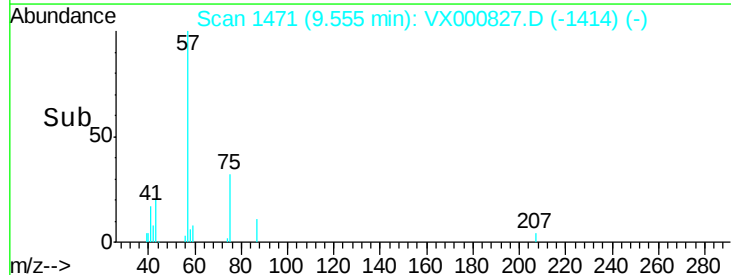
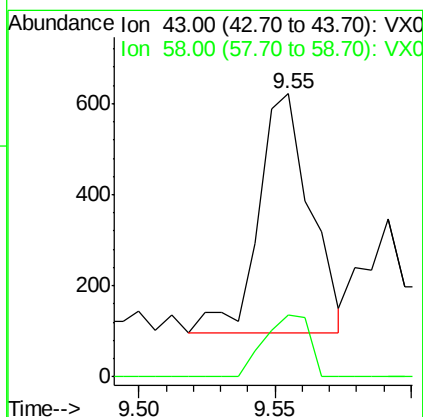
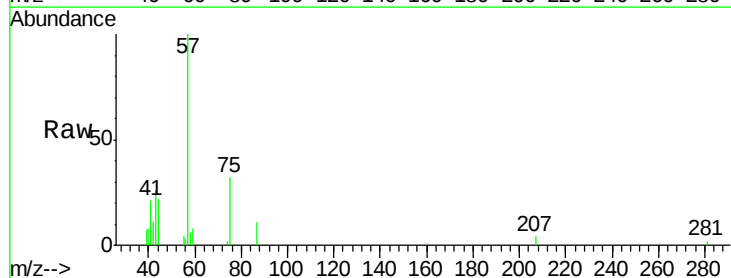
Instrument :
MSVOA_X
ClientSampleId :
S3

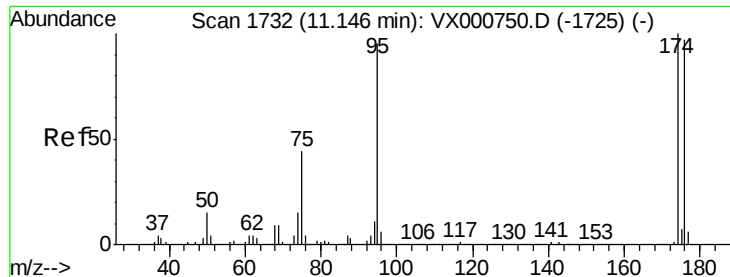
Tgt Ion: 98 Resp: 512958
Ion Ratio Lower Upper
98 100
100 64.5 52.6 79.0



#59
2-Hexanone
Concen: 0.22 ug/l
RT: 9.55 min Scan# 1471
Delta R.T. 0.05 min
Lab File: VX000827.D
Acq: 13 Apr 2018 02:46

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
58 22.3 26.5 79.5#

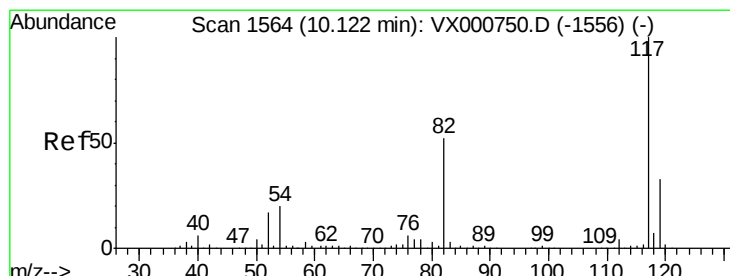
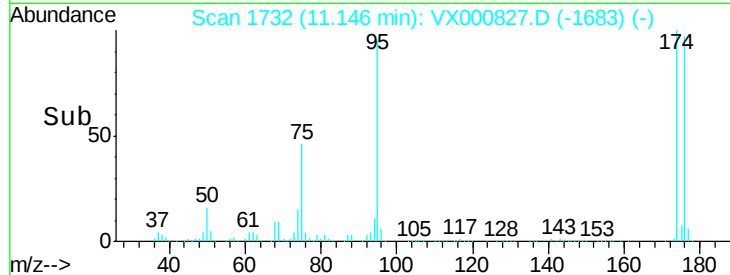
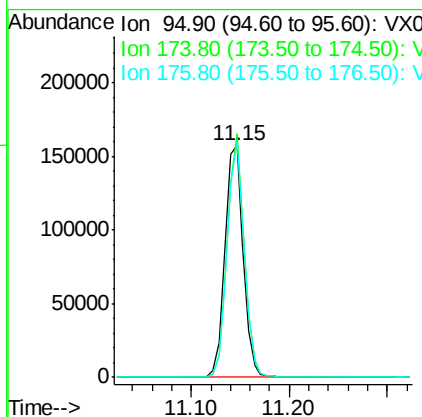
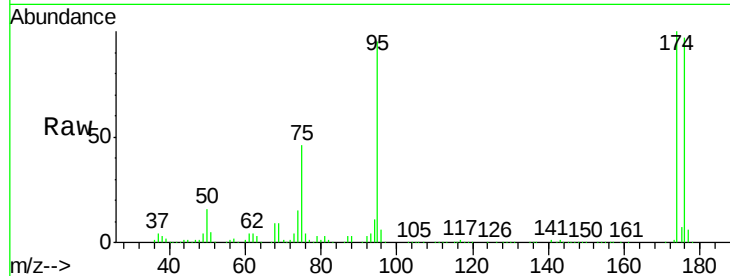




#62
4-Bromofluorobenzene
Concen: 46.08 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000827.D
Acq: 13 Apr 2018 02:46

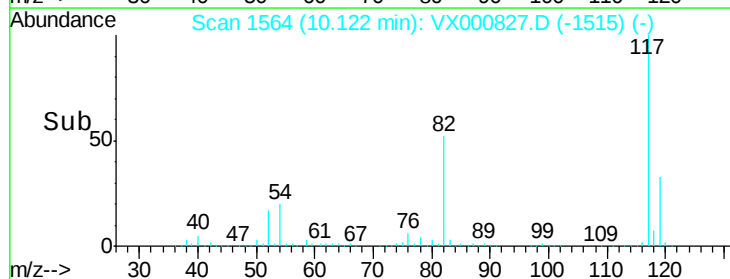
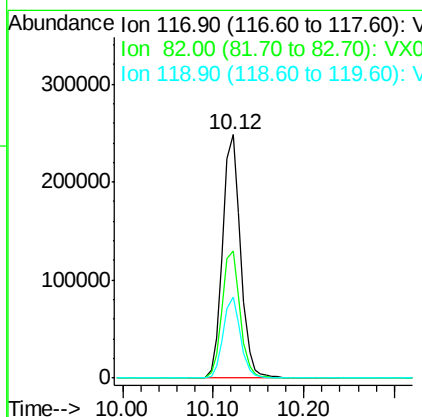
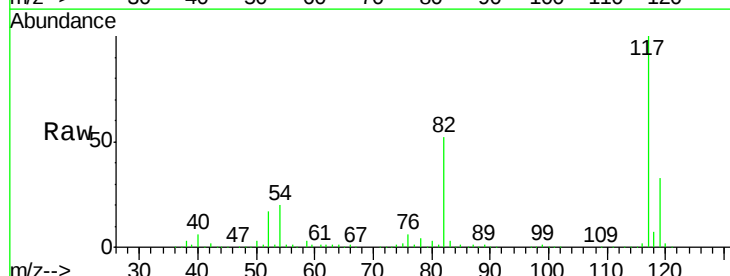
Instrument :
MSVOA_X
ClientSampled :
S3

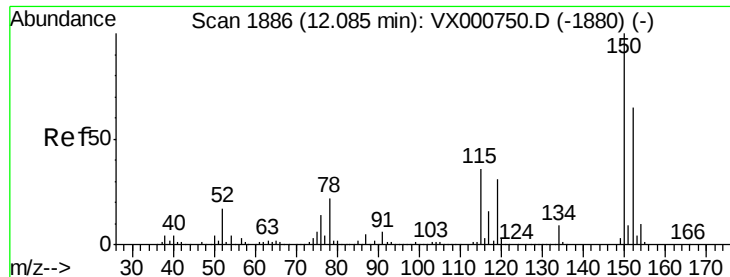
Tgt Ion: 95 Resp: 203169
Ion Ratio Lower Upper
95 100
174 98.3 0.0 198.4
176 96.1 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000827.D
Acq: 13 Apr 2018 02:46

Tgt Ion: 117 Resp: 343186
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 33.2 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

Instrument :

MSVOA_X

ClientSampleId :

S3

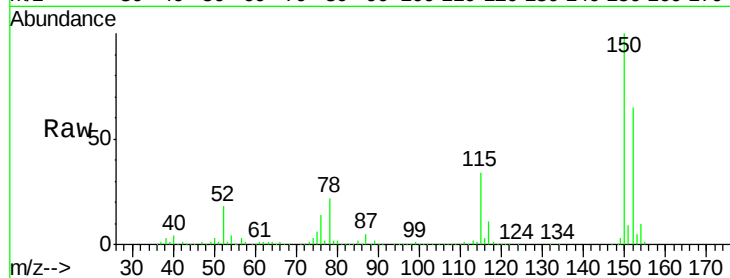
Tgt Ion:152 Resp: 227516

Ion Ratio Lower Upper

152 100

115 53.5 37.9 113.7

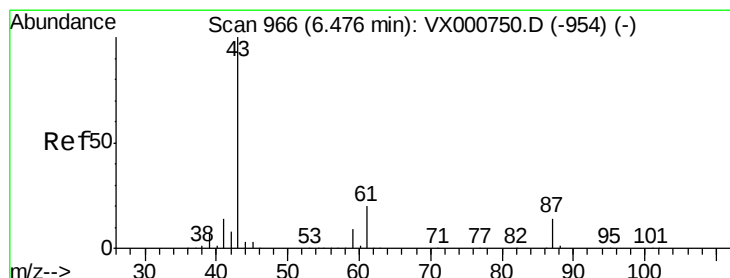
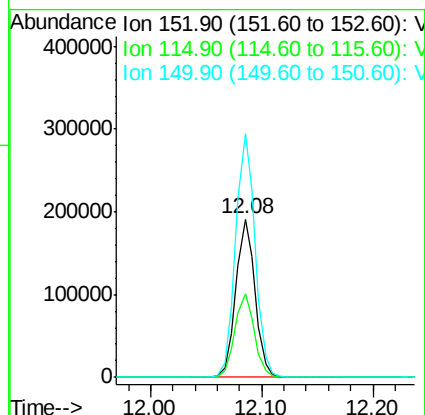
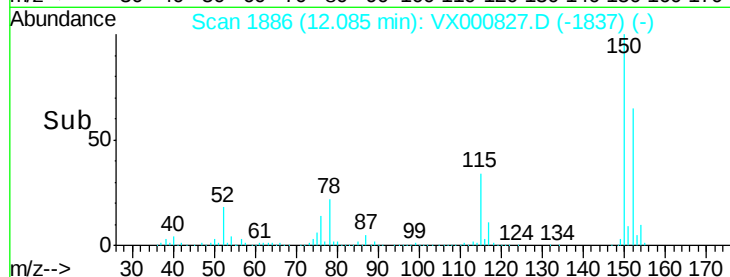
150 155.9 0.0 348.0



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: 0.47 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000827.D

Acq: 13 Apr 2018 02:46

Tgt Ion: 43 Resp: 3079

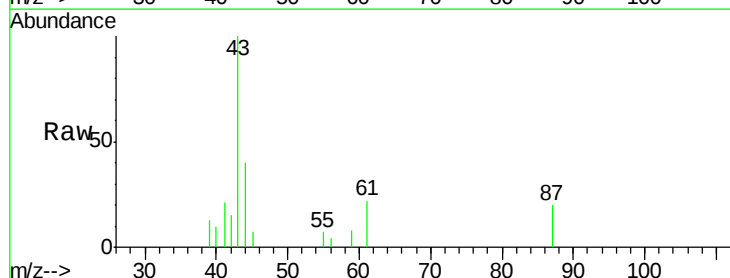
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 5.8 0.0 0.0#

61 20.0 15.6 23.4

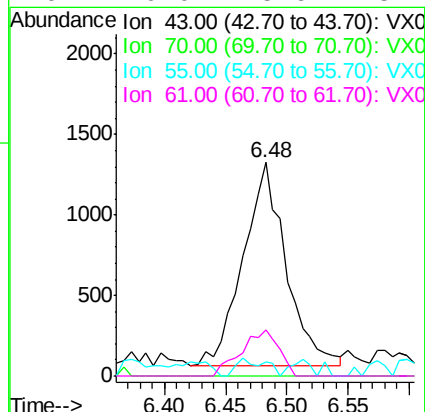
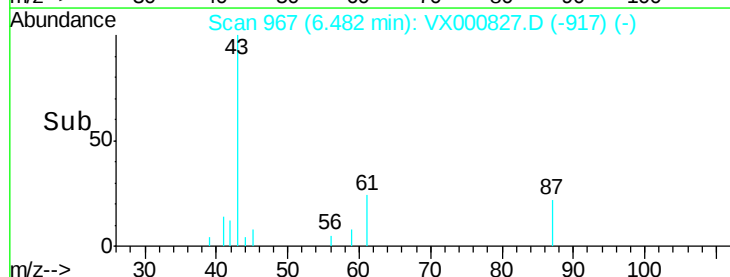


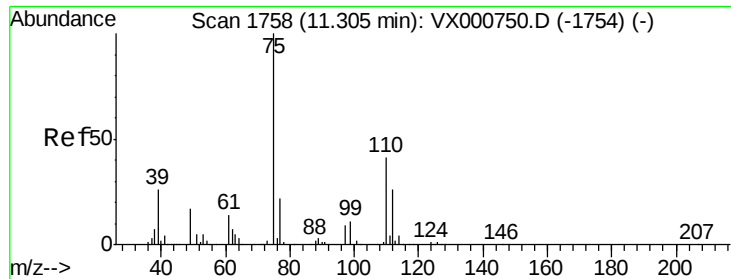
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

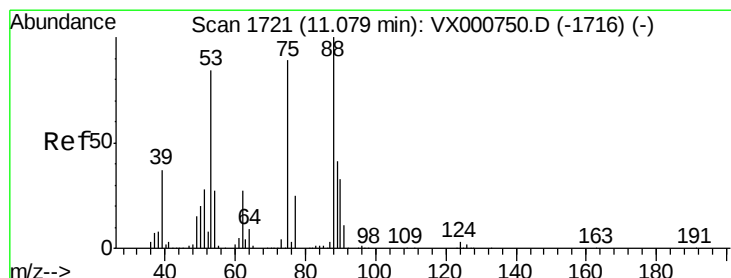
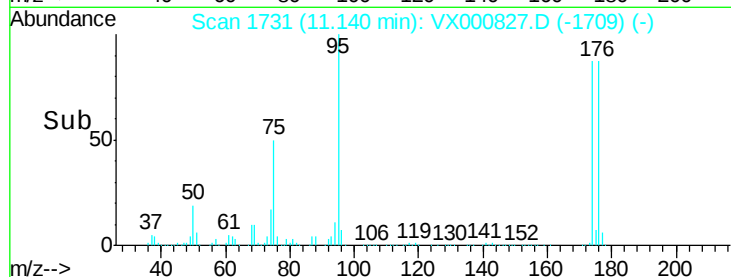
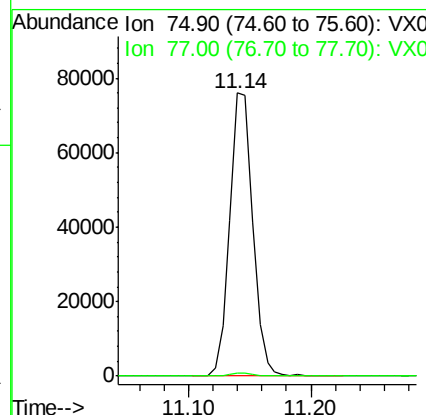
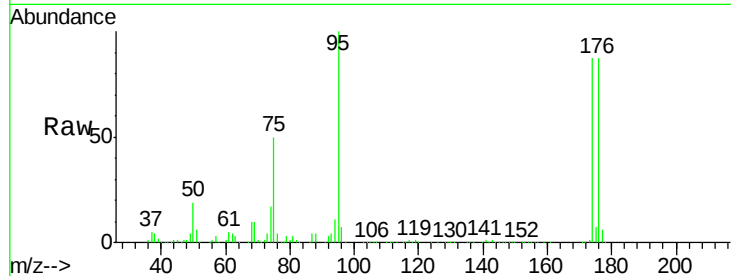




#76
 1,2,3-Trichloropropane
 Concen: 25.24 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000827.D
 Acq: 13 Apr 2018 02:46

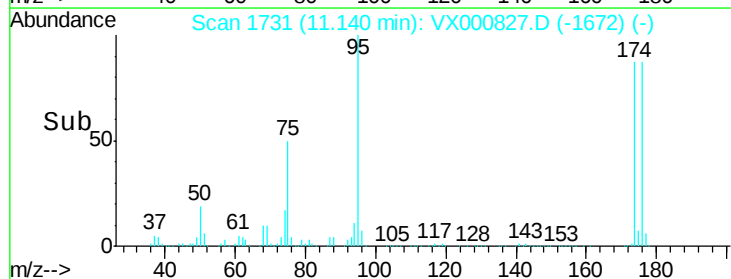
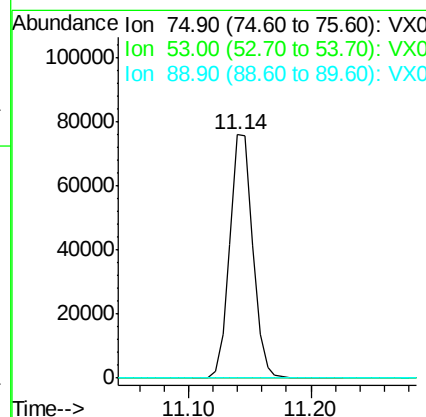
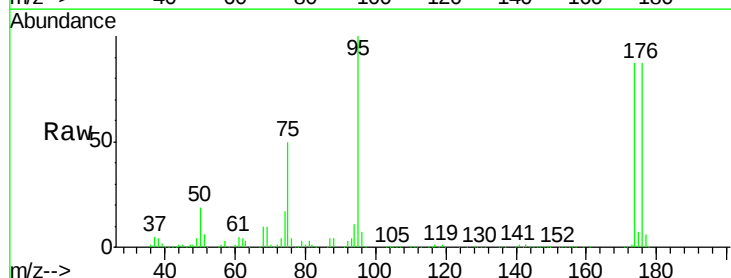
Instrument :
 MSVOA_X
 ClientSampled :
 S3

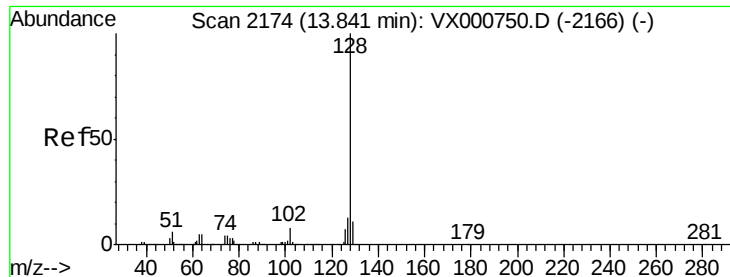
Tgt Ion: 75 Resp: 99048
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.44 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000827.D
 Acq: 13 Apr 2018 02:46

Tgt Ion: 75 Resp: 99048
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

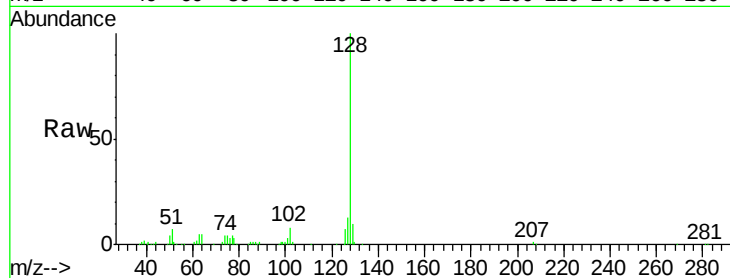




#95
Naphthalene
Concen: 2.52 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000827.D
Acq: 13 Apr 2018 02:46

Instrument :
MSVOA_X
ClientSampleId :
S3

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	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

