

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001492.D
 Acq On : 08 May 2018 03:46
 Operator : JC/MD
 Sample : J2754-16 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-PILE-2B

Quant Time: May 08 06:16:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	357143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	175994	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	175416	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	5.51	113	135423	42.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.26%	
50) Toluene-d8	8.72	98	496660	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	
62) 4-Bromofluorobenzene	11.14	95	163541	36.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.48%	

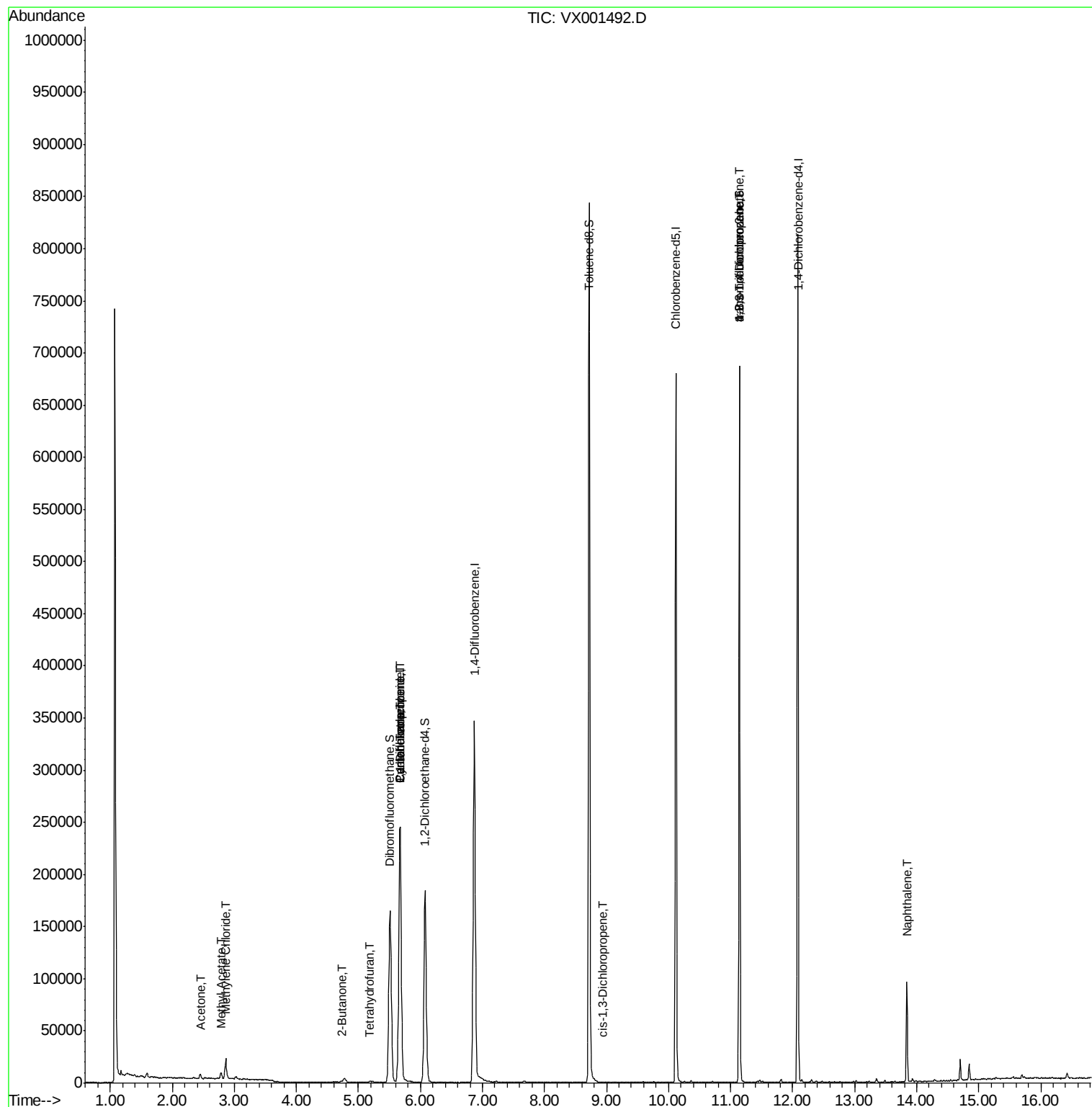
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	834	Below Cal	#	70
13) Acrolein	2.31	56	70	Below Cal	#	78
16) Acetone	2.45	43	4773	2.80	ug/l	92
18) Methyl Acetate	2.78	43	6616	1.48	ug/l	100
20) Methylene Chloride	2.86	84	8560	2.54	ug/l	91
25) 2-Butanone	4.73	43	1340	0.54	ug/l	93
29) Tetrahydrofuran	5.17	42	355	0.23	ug/l #	54
31) Cyclohexane	5.67	56	4478	0.93	ug/l #	11
36) 1,1-Dichloropropene	5.67	75	16566	3.65	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22574	4.66	ug/l #	16
54) cis-1,3-Dichloropropene	8.95	75	19	2.27	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	81319	22.78	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	81319	70.70	ug/l #	7
95) Naphthalene	13.84	128	60096	4.61	ug/l	100

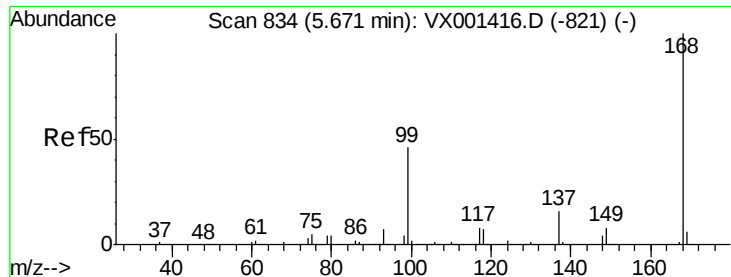
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampleId :

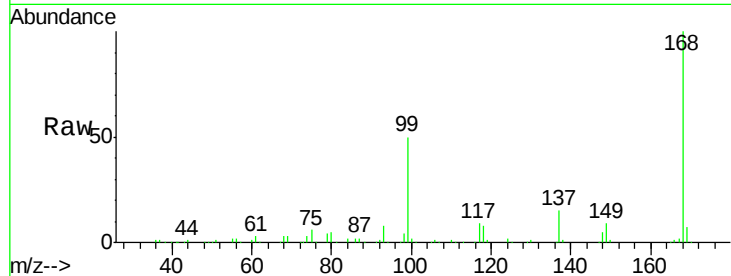
LS-SOIL-PILE-2B

Tgt Ion:168 Resp: 260790

Ion Ratio Lower Upper

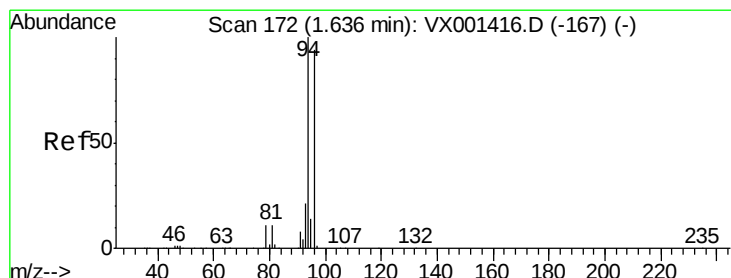
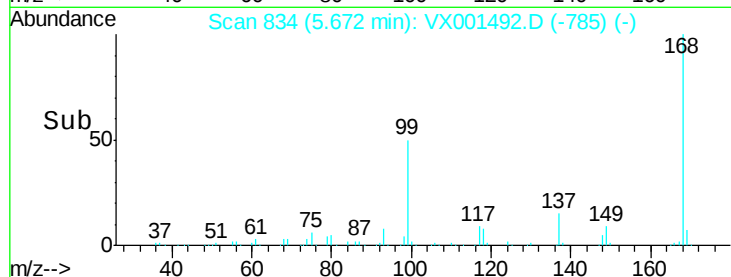
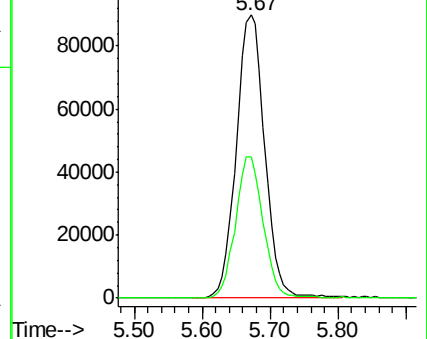
168 100

99 49.9 36.6 54.8



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: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001492.D

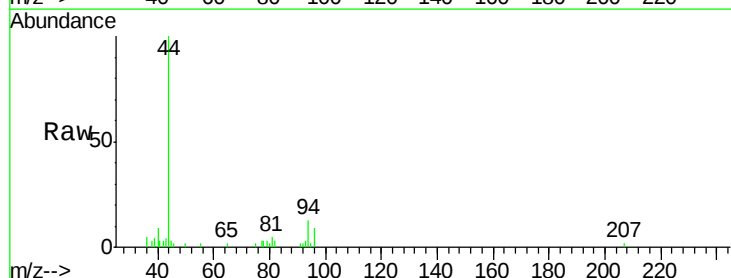
Acq: 08 May 2018 03:46

Tgt Ion: 94 Resp: 834

Ion Ratio Lower Upper

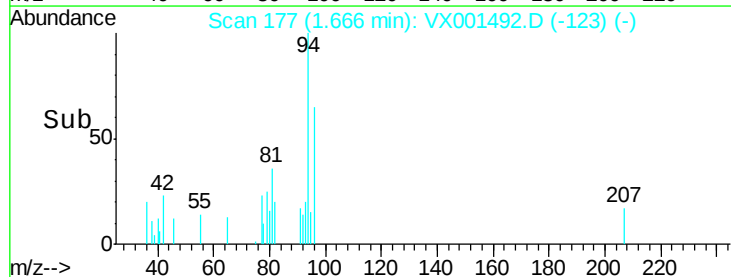
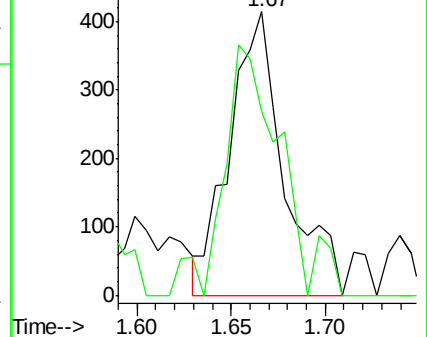
94 100

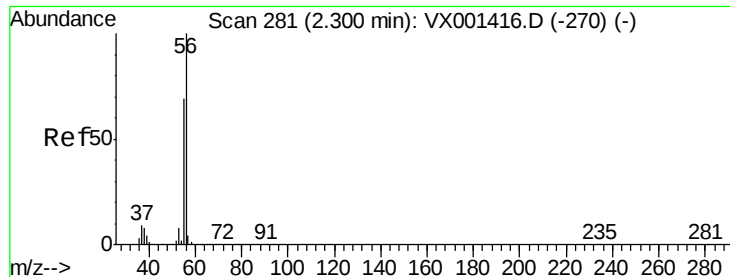
96 65.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampleId :

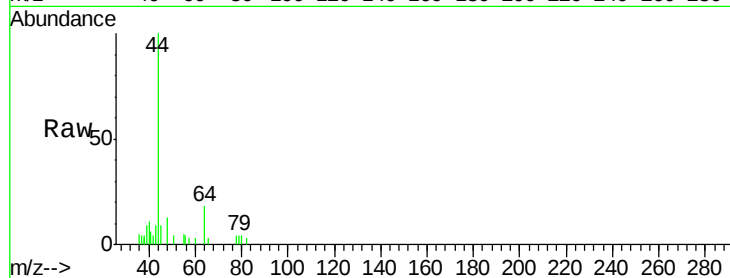
LS-SOIL-PILE-2B

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 85.7 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

2.31

2.31

2.31

2.31

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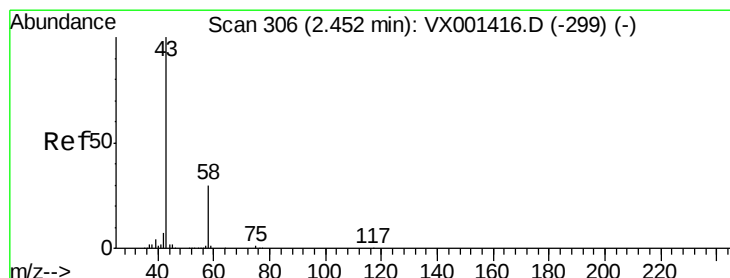
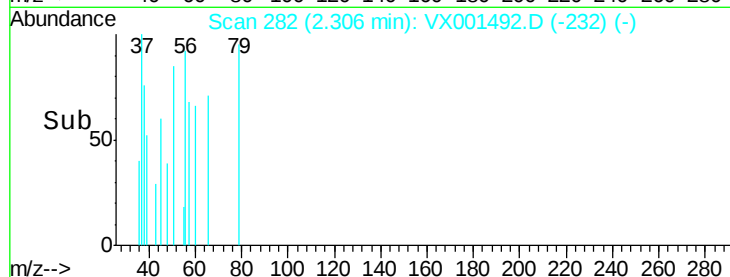
2.31

2.31

2.31

2.31

2.31



#16

Acetone

Concen: 2.80 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001492.D

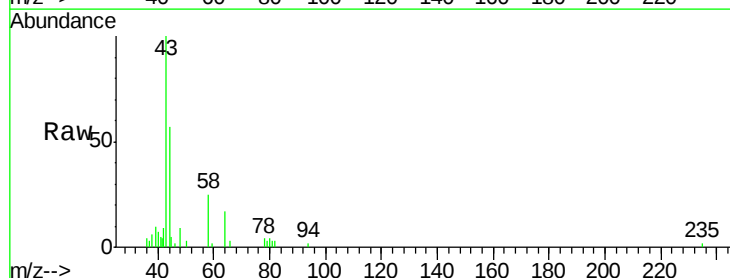
Acq: 08 May 2018 03:46

Tgt Ion: 43 Resp: 4773

Ion Ratio Lower Upper

43 100

58 25.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2.45

2.45

2.45

2.45

2.45

2.45

2.45

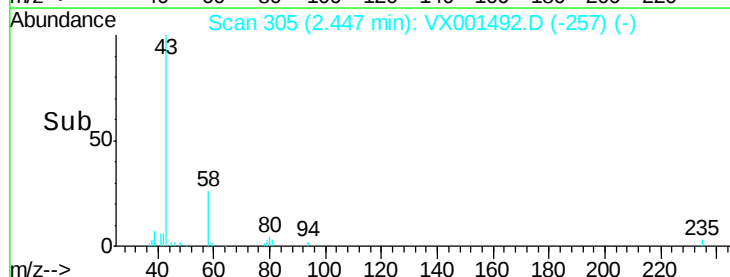
2.45

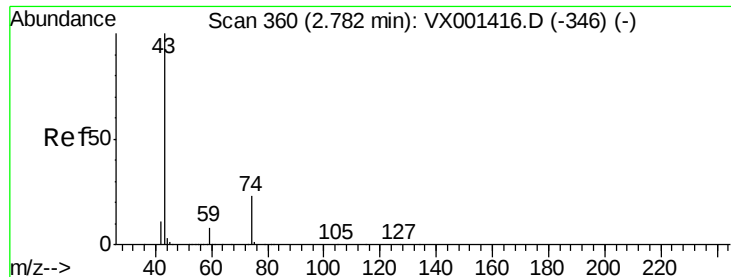
2.45

2.45

2.45

2.45

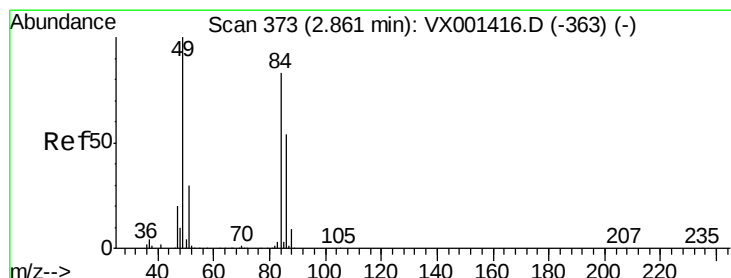
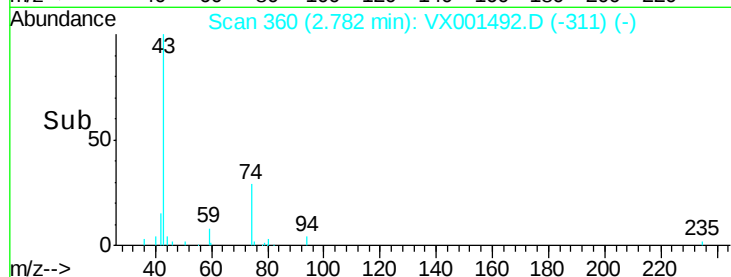
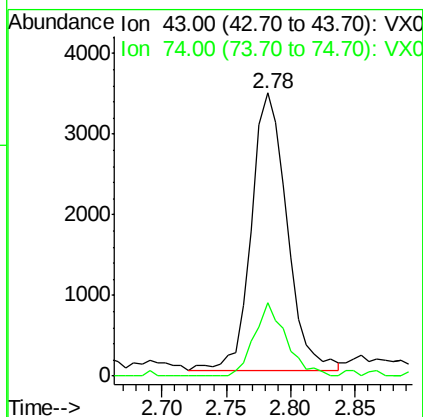
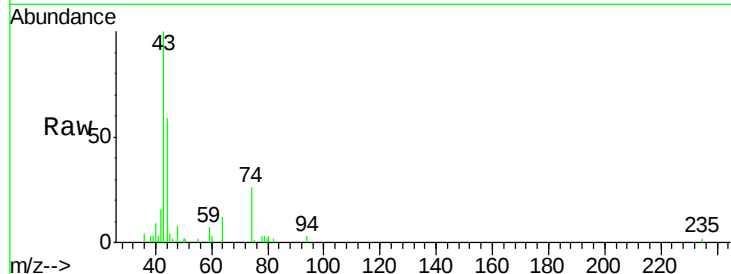




#18
Methyl Acetate
Concen: 1.48 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001492.D
Acq: 08 May 2018 03:46

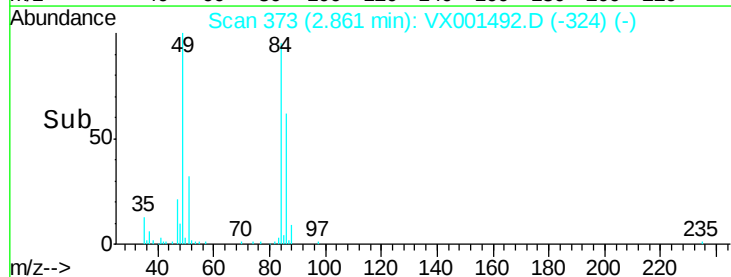
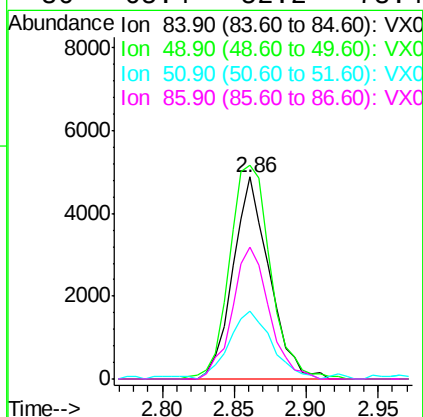
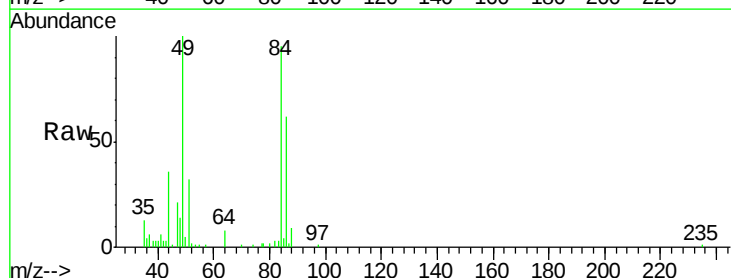
Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-PILE-2B

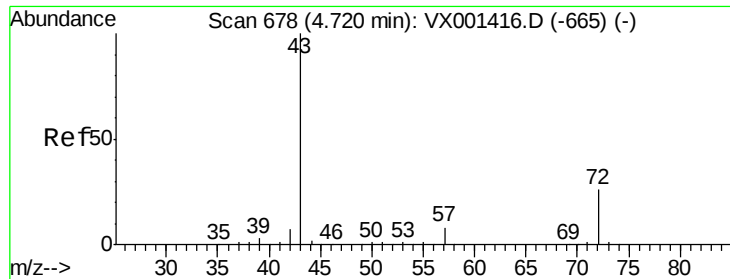
Tgt Ion: 43 Resp: 6616
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8



#20
Methylene Chloride
Concen: 2.54 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001492.D
Acq: 08 May 2018 03:46

Tgt Ion: 84 Resp: 8560
Ion Ratio Lower Upper
84 100
49 104.6 96.6 144.8
51 32.5 29.0 43.4
86 65.4 52.2 78.4





#25

2-Butanone

Concen: 0.54 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampleId :

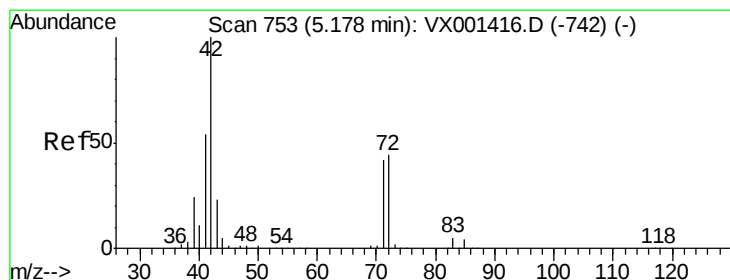
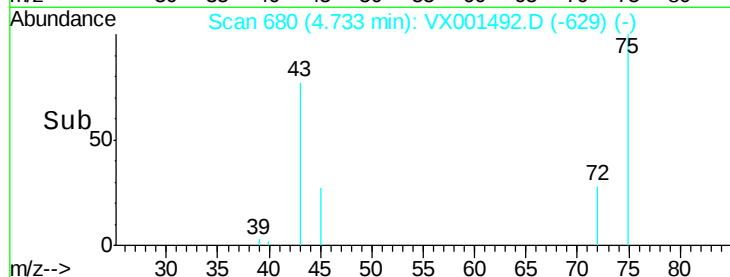
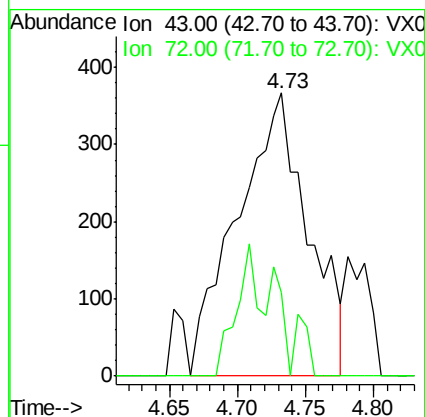
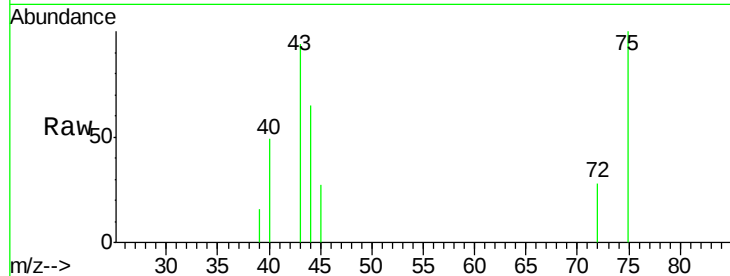
LS-SOIL-PILE-2B

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

72 29.7 20.7 31.1



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

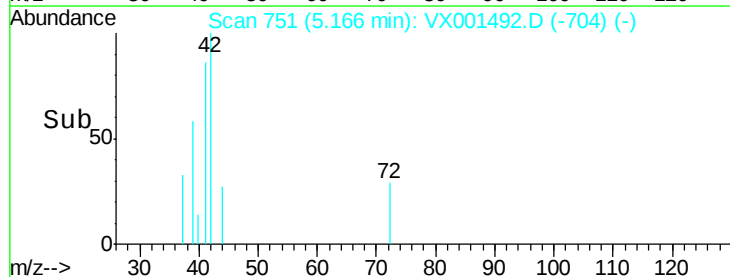
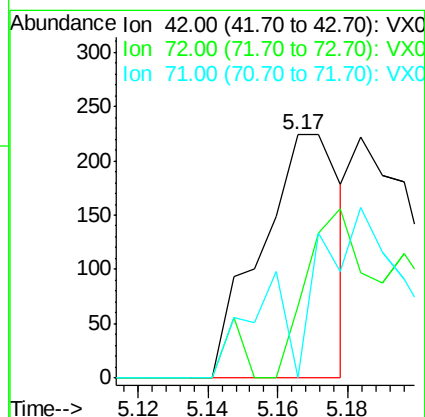
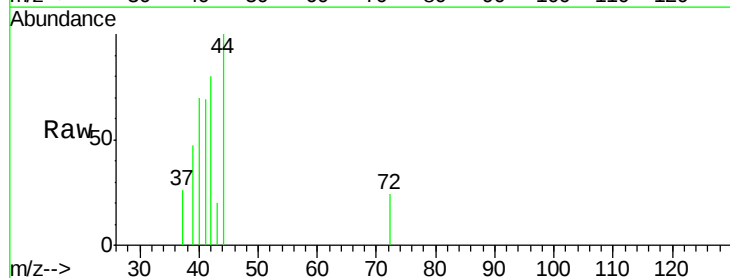
Tgt Ion: 42 Resp: 355

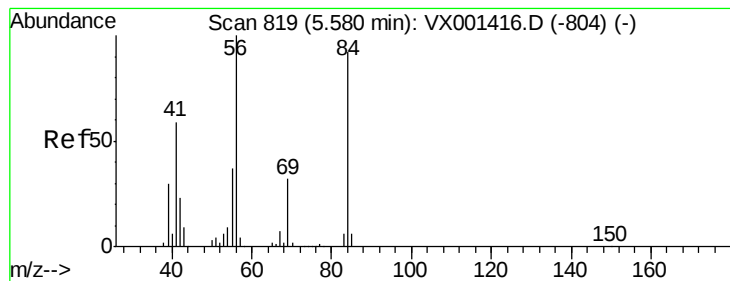
Ion Ratio Lower Upper

42 100

72 5.6 35.4 53.2#

71 21.1 33.0 49.4#





#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-PILE-2B

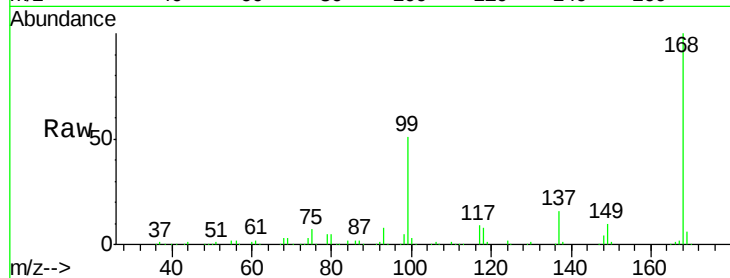
Tgt Ion: 56 Resp: 4478

Ion Ratio Lower Upper

56 100

69 182.3 25.4 38.0#

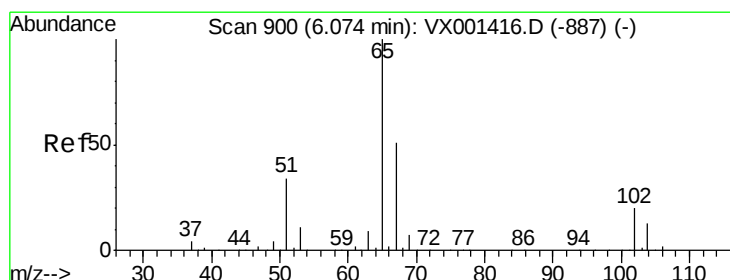
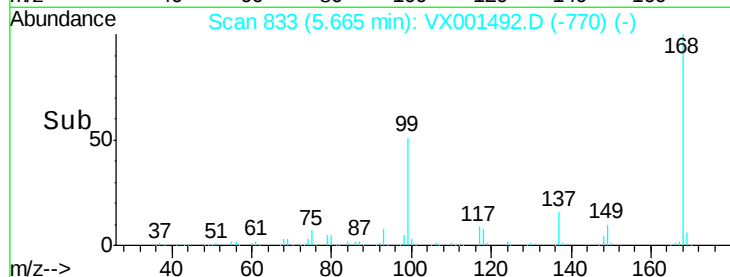
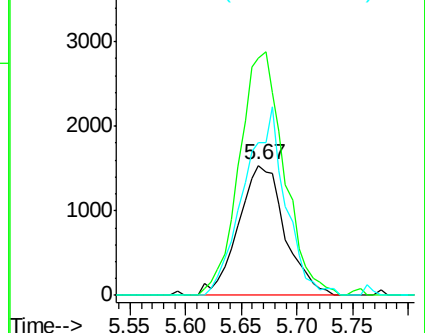
84 117.2 73.8 110.8#



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: 46.80 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001492.D

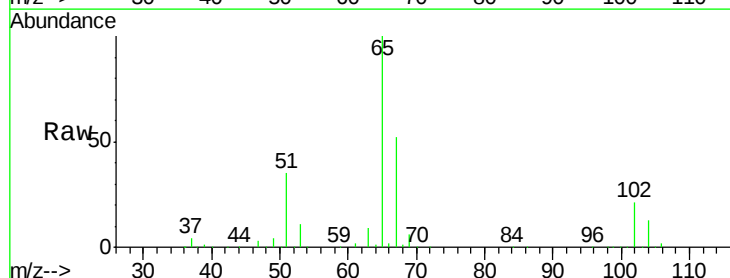
Acq: 08 May 2018 03:46

Tgt Ion: 65 Resp: 175416

Ion Ratio Lower Upper

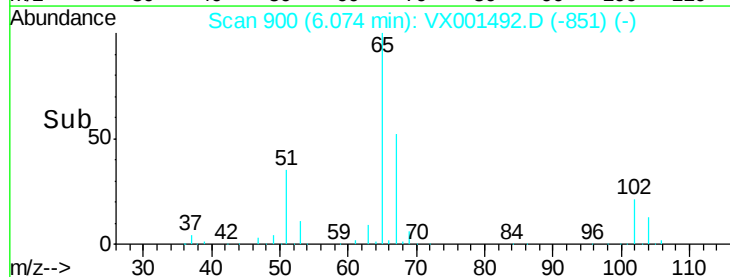
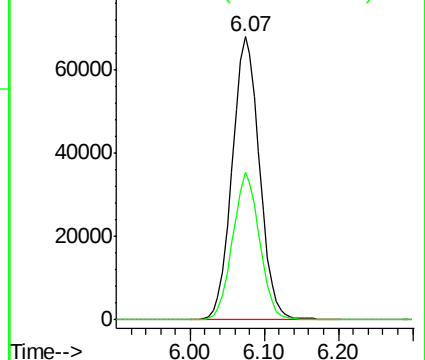
65 100

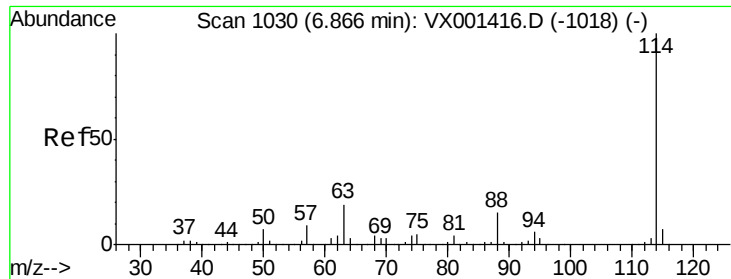
67 51.0 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

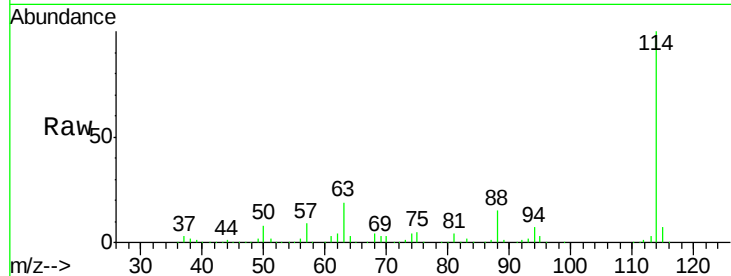




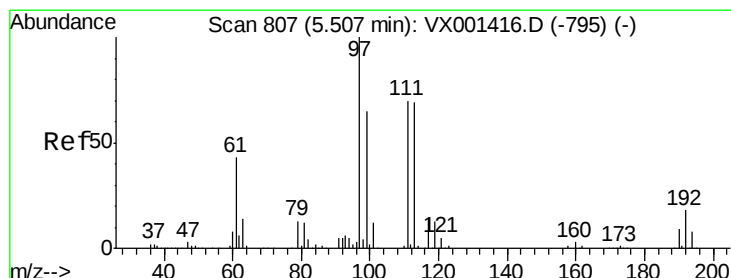
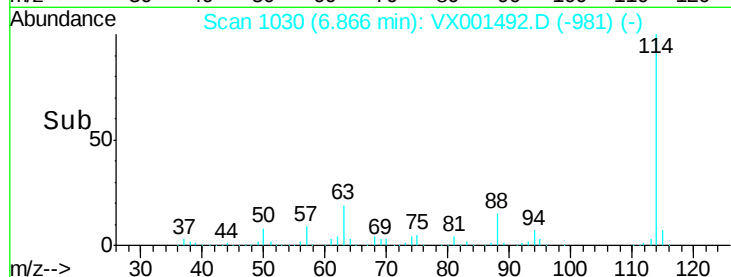
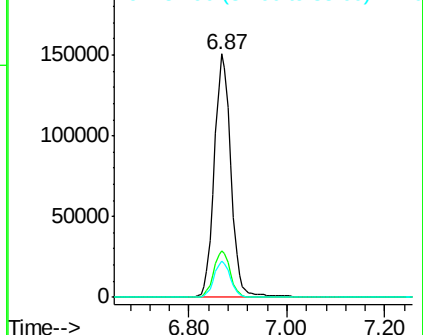
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001492.D
 Acq: 08 May 2018 03:46

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-PILE-2B

Tgt Ion:114 Resp: 357143
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.1 0.0 30.8

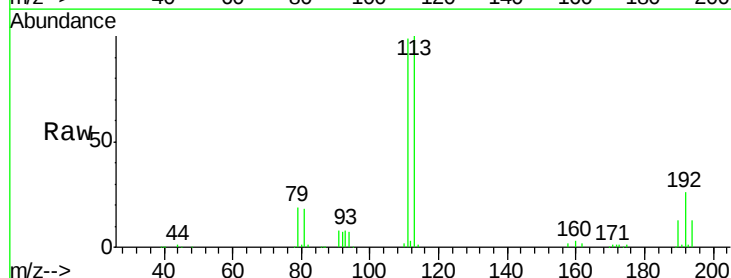


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

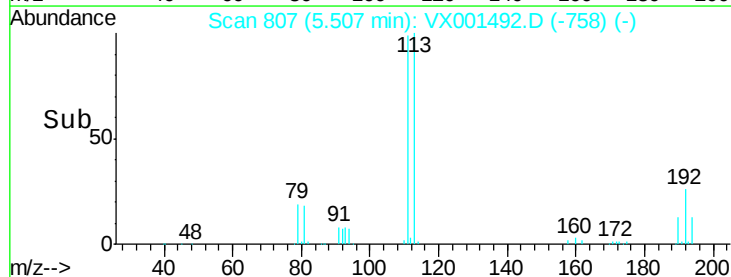
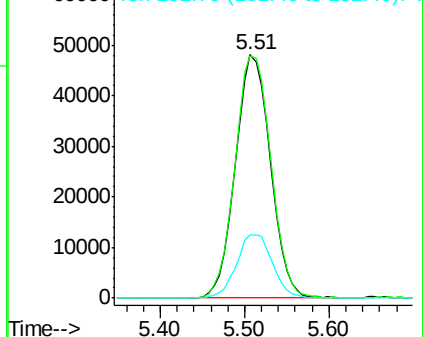


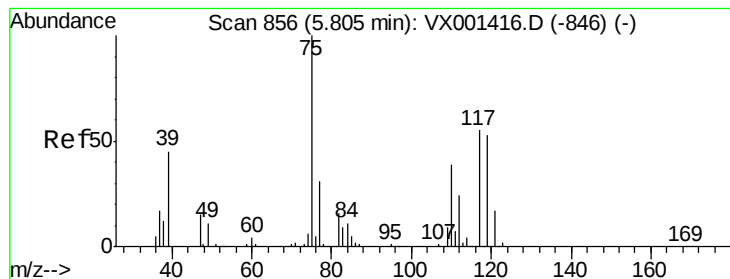
#35
 Dibromofluoromethane
 Concen: 42.63 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001492.D
 Acq: 08 May 2018 03:46

Tgt Ion:113 Resp: 135423
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.2
 192 26.7 21.4 32.0



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: 3.65 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-PILE-2B

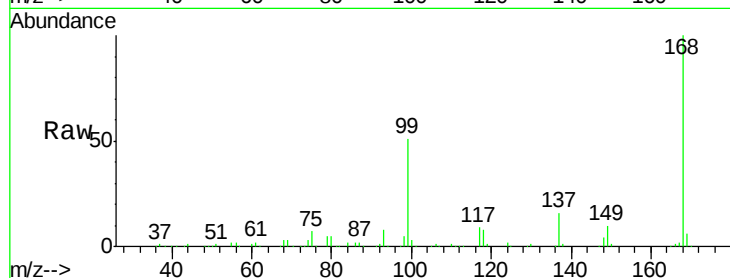
Tgt Ion: 75 Resp: 16566

Ion Ratio Lower Upper

75 100

110 10.0 18.9 56.7#

77 0.0 24.9 37.3#

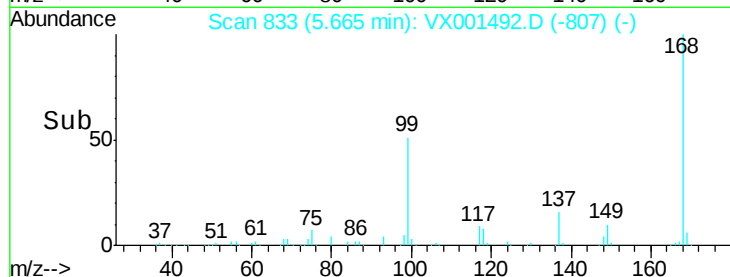


Abundance Ion 74.90 (74.60 to 75.60): VX001416.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX001416.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX001416.D (-846) (-)

Time-->

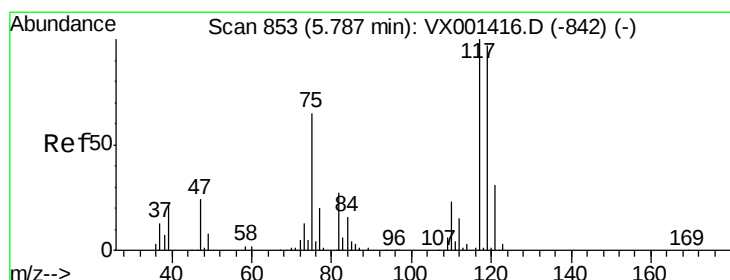


Abundance Ion 74.90 (74.60 to 75.60): VX001416.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX001416.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX001416.D (-846) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

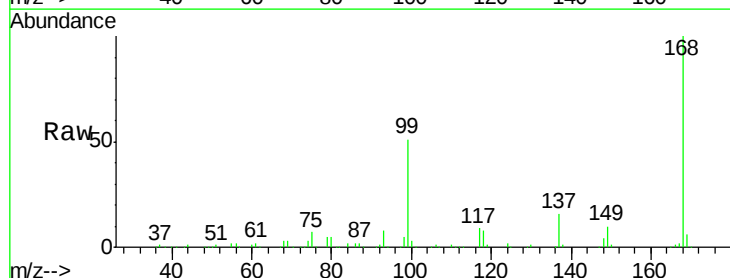
Tgt Ion: 117 Resp: 22574

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.6#

121 0.0 25.1 37.7#

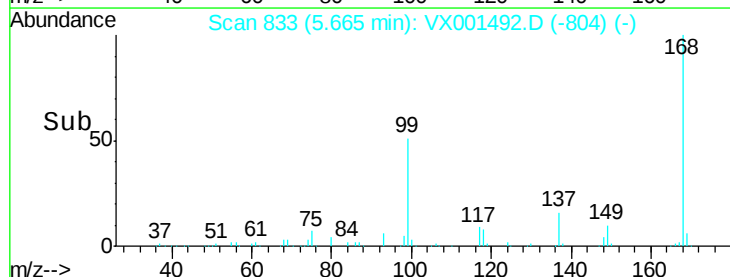


Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001416.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001416.D (-842) (-)

Time-->

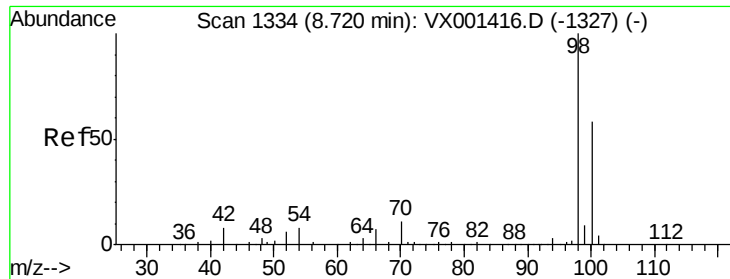


Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001416.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001416.D (-842) (-)

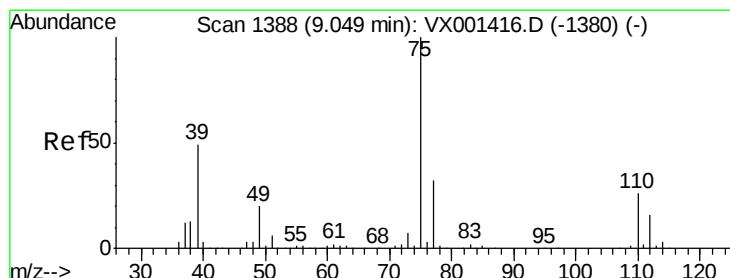
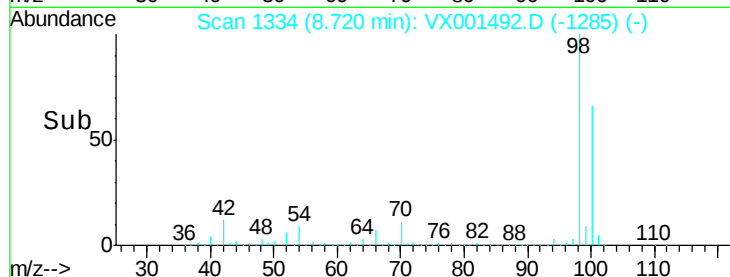
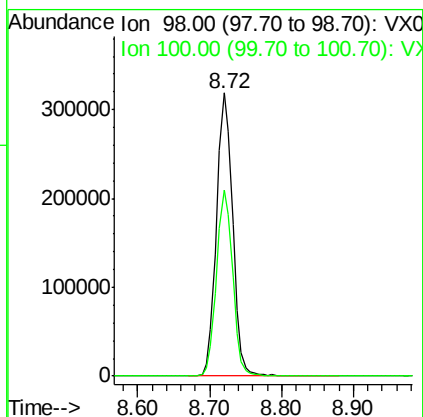
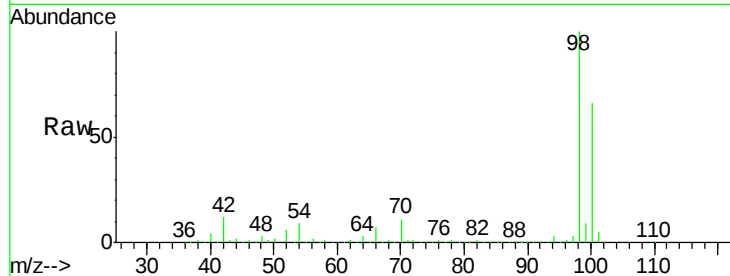
Time-->



#50
Toluene-d8
Concen: 42.83 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001492.D
Acq: 08 May 2018 03:46

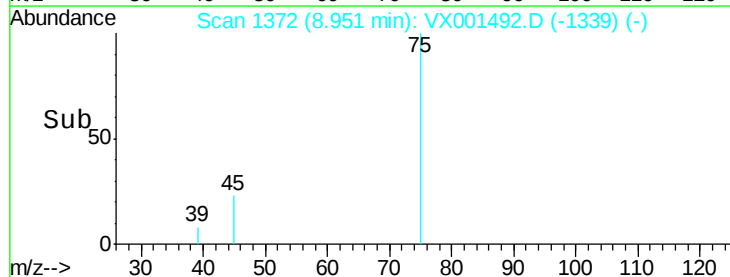
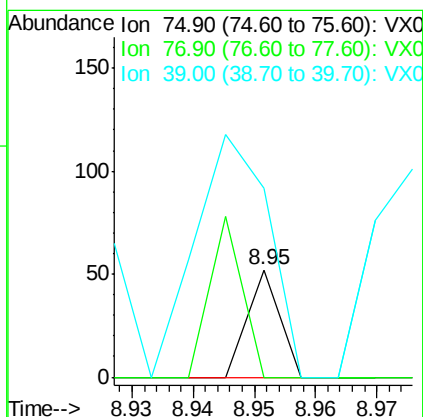
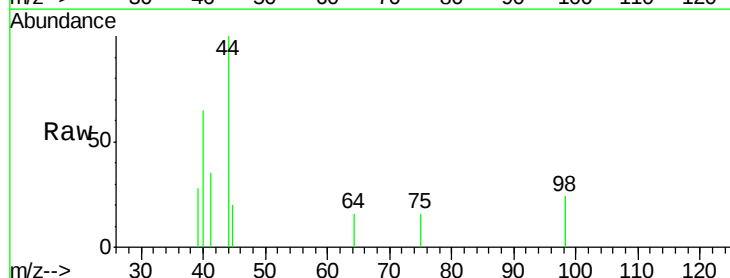
Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-PILE-2B

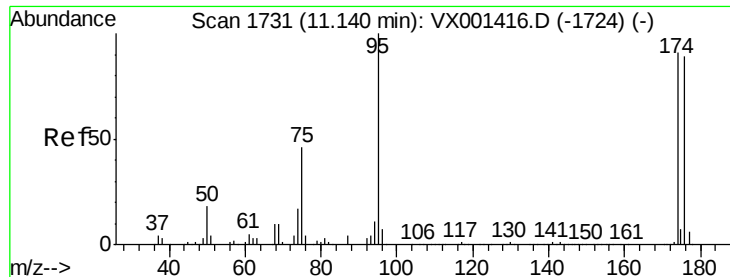
Tgt Ion: 98 Resp: 496660
Ion Ratio Lower Upper
98 100
100 65.5 54.0 81.0



#54
cis-1,3-Dichloropropene
Concen: 2.27 ug/l
RT: 8.95 min Scan# 1372
Delta R.T. -0.10 min
Lab File: VX001492.D
Acq: 08 May 2018 03:46

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 176.9 38.9 58.3#





#62

4-Bromofluorobenzene

Concen: 36.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampled :

LS-SOIL-PILE-2B

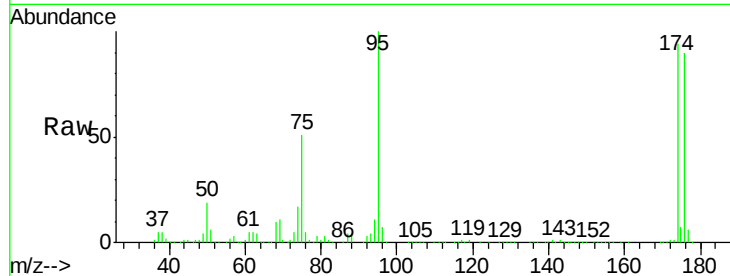
Tgt Ion: 95 Resp: 163541

Ion Ratio Lower Upper

95 100

174 100.7 0.0 202.0

176 97.8 0.0 197.4

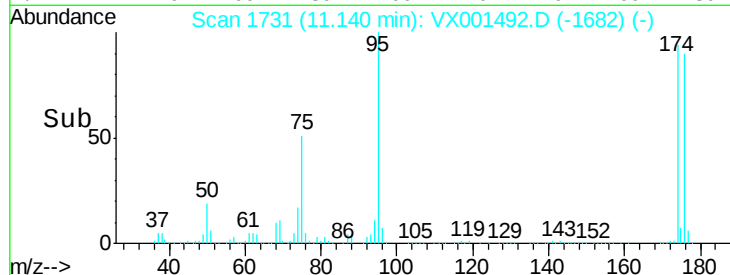


Abundance Ion 94.90 (94.60 to 95.60): VX001416.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001416.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001416.D (-1724) (-)

Time-->

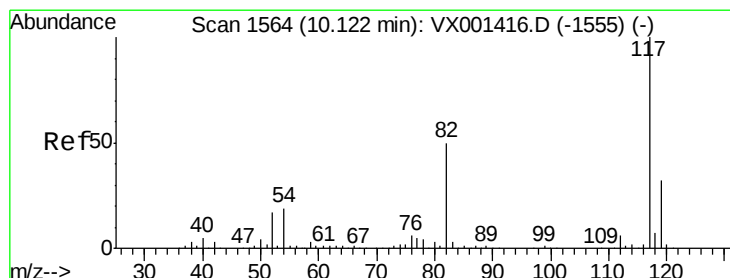


Abundance Ion 94.90 (94.60 to 95.60): VX001492.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001492.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001492.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

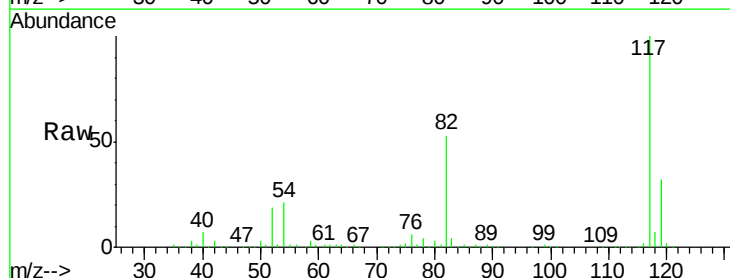
Tgt Ion: 117 Resp: 317371

Ion Ratio Lower Upper

117 100

82 53.4 40.0 60.0

119 32.1 25.8 38.8

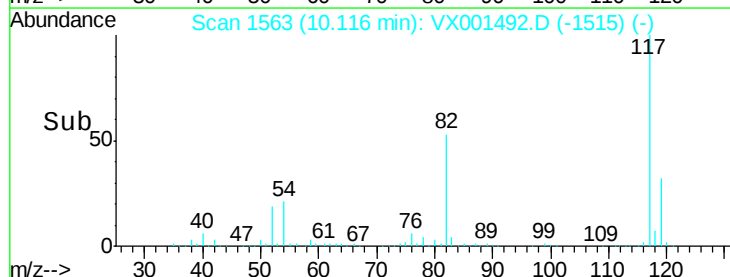


Abundance Ion 116.90 (116.60 to 117.60): VX001416.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001416.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001416.D (-1555) (-)

Time-->

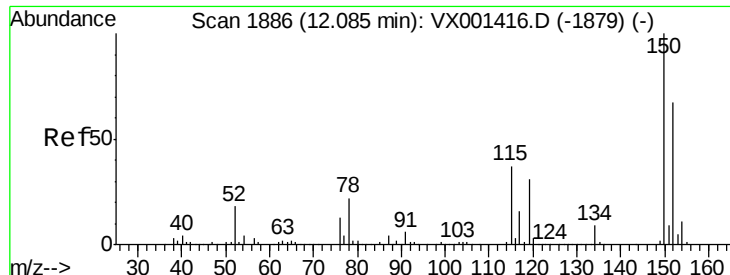


Abundance Ion 116.90 (116.60 to 117.60): VX001492.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001492.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001492.D (-1515) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-PILE-2B

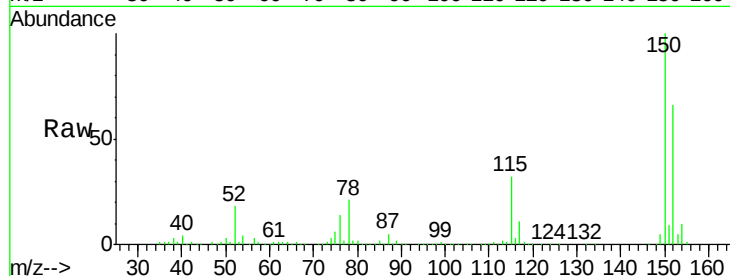
Tgt Ion:152 Resp: 175994

Ion Ratio Lower Upper

152 100

115 51.8 37.7 113.1

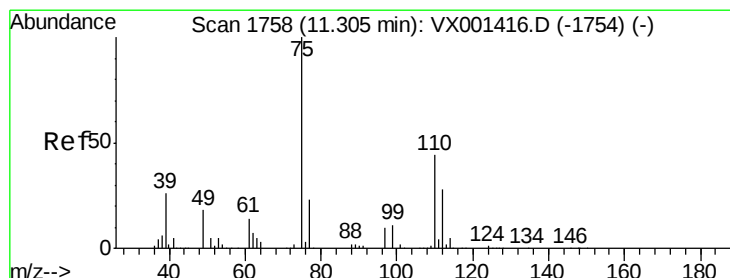
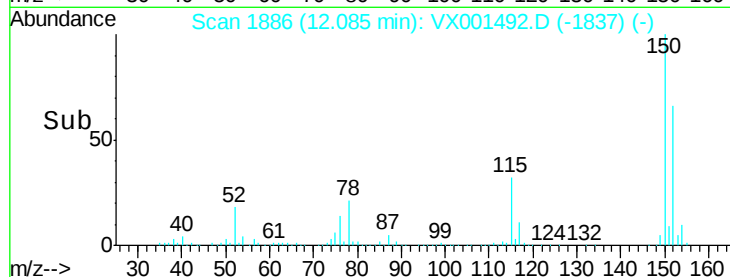
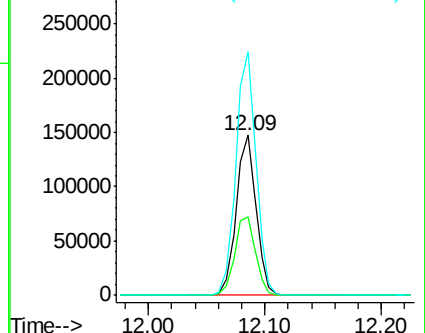
150 154.1 0.0 349.4



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



#76

1,2,3-Trichloropropane

Concen: 22.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001492.D

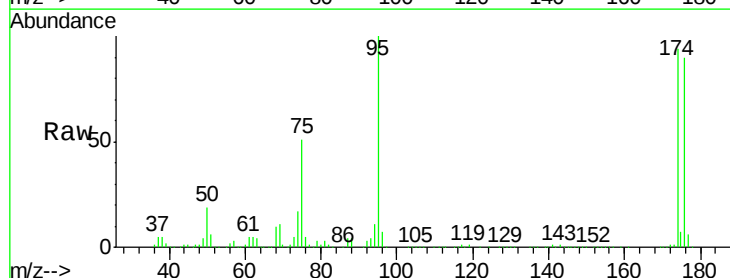
Acq: 08 May 2018 03:46

Tgt Ion: 75 Resp: 81319

Ion Ratio Lower Upper

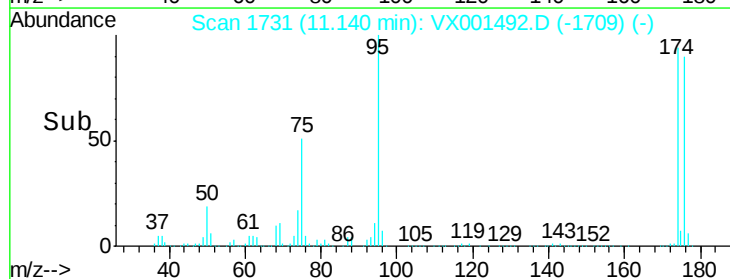
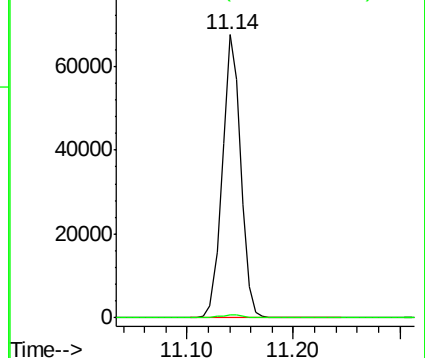
75 100

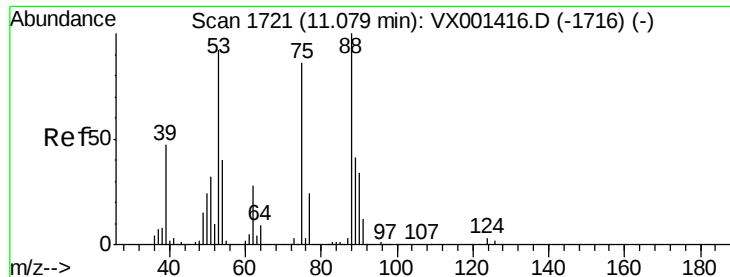
77 1.3 19.6 58.7#



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: 70.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-PILE-2B

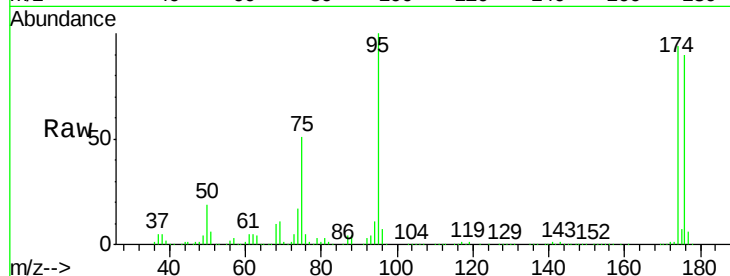
Tgt Ion: 75 Resp: 81319

Ion Ratio Lower Upper

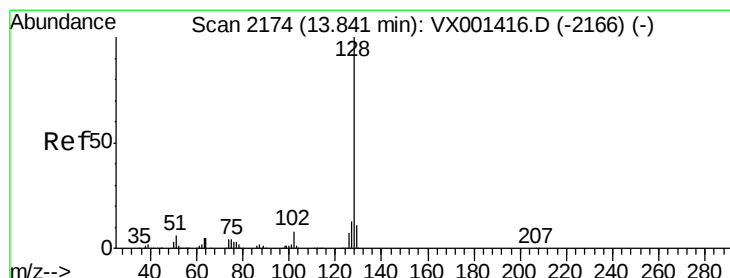
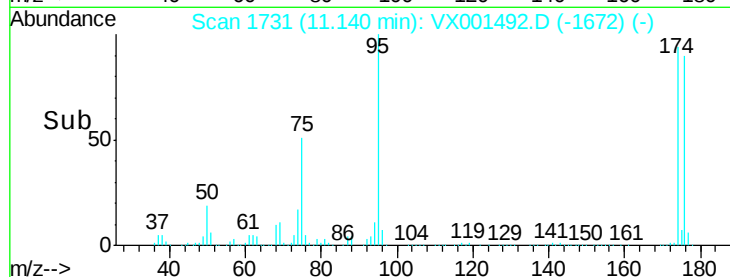
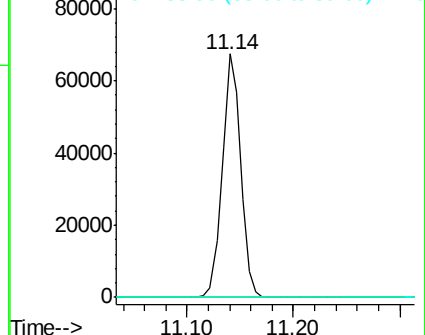
75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



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: 4.61 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001492.D

Acq: 08 May 2018 03:46

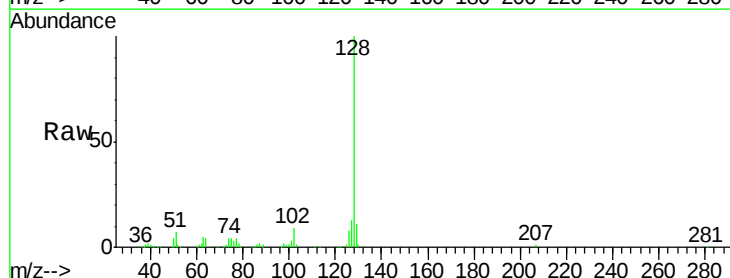
Tgt Ion: 128 Resp: 60096

Ion Ratio Lower Upper

128 100

127 12.8 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

