

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001488.D
 Acq On : 08 May 2018 02:00
 Operator : JC/MD
 Sample : J2680-10 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-E

Quant Time: May 08 06:15:24 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	256795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	175278	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	171783	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
35) Dibromofluoromethane	5.51	113	133572	42.37	ug/l	0.00
Spiked Amount			Recovery	=	84.74%	
50) Toluene-d8	8.72	98	486871	42.31	ug/l	0.00
Spiked Amount			Recovery	=	84.62%	
62) 4-Bromofluorobenzene	11.14	95	161935	36.66	ug/l	0.00
Spiked Amount			Recovery	=	73.32%	

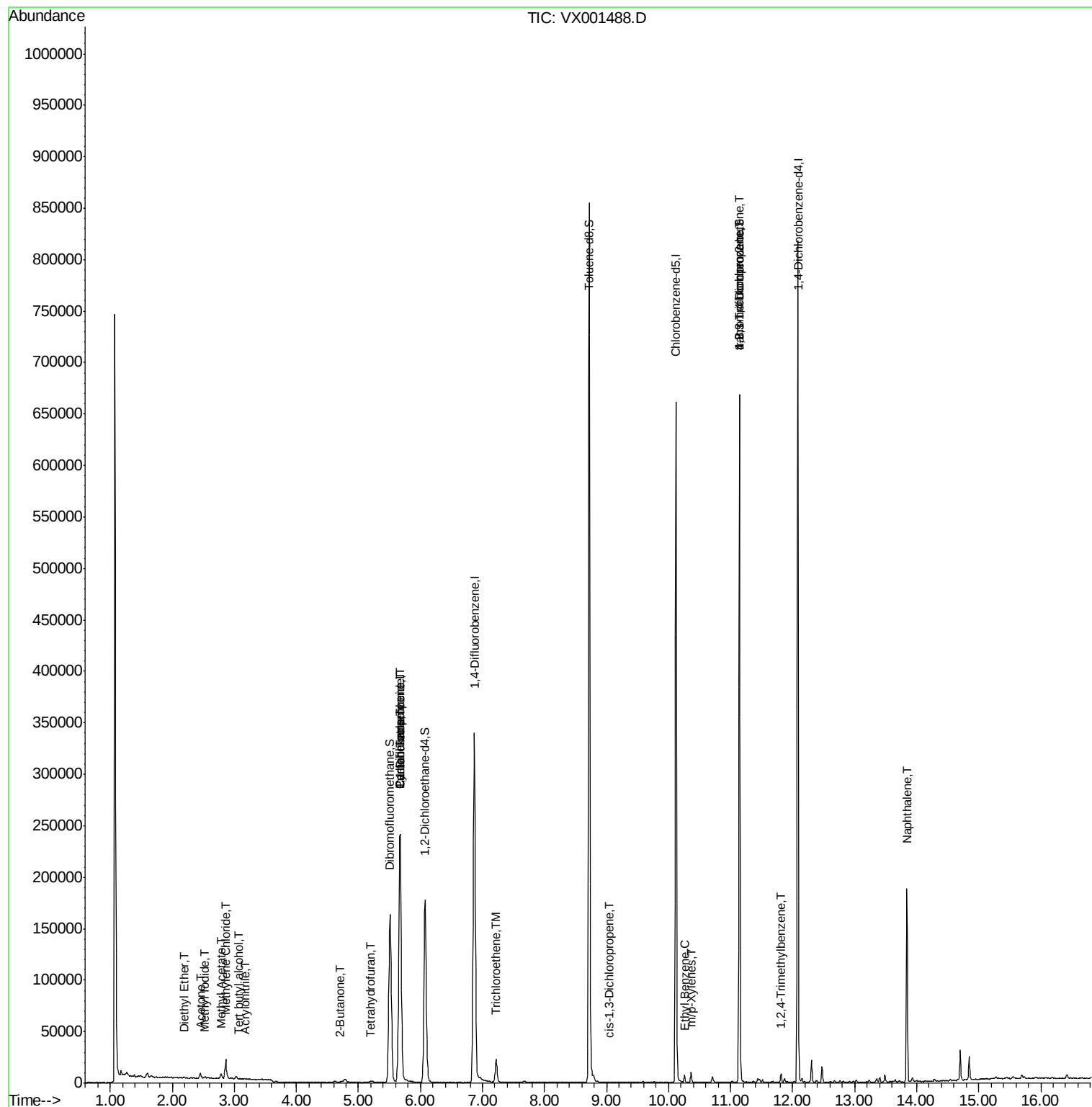
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1001	Below Cal		95
8) Diethyl Ether	2.20	74	584	0.28 ug/l		99
10) Methyl Iodide	2.53	142	1212	0.27 ug/l	#	85
11) Tert butyl alcohol	3.07	59	501	0.64 ug/l	#	82
13) Acrolein	2.29	56	70	Below Cal	#	1
15) Acrylonitrile	3.17	53	371	0.21 ug/l	#	73
16) Acetone	2.45	43	4957	2.96 ug/l		99
18) Methyl Acetate	2.78	43	5767	1.31 ug/l		99
20) Methylene Chloride	2.86	84	7865	2.37 ug/l		96
25) 2-Butanone	4.71	43	774	0.32 ug/l		94
29) Tetrahydrofuran	5.20	42	782	0.50 ug/l	#	84
31) Cyclohexane	5.67	56	4566	0.96 ug/l	#	20
36) 1,1-Dichloropropene	5.67	75	16028	3.56 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	22375	4.65 ug/l	#	16
44) Trichloroethene	7.22	130	8709	2.16 ug/l		91
54) cis-1,3-Dichloropropene	9.05	75	46	2.27 ug/l	#	16
67) Ethyl Benzene	10.26	91	3490	0.23 ug/l		97
68) m/p-Xylenes	10.36	106	2279	0.38 ug/l		89
76) 1,2,3-Trichloropropane	11.14	75	81744	23.00 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	81744	71.32 ug/l	#	7
84) 1,2,4-Trimethylbenzene	11.81	105	3732	0.36 ug/l		98
95) Naphthalene	13.84	128	113405	8.73 ug/l		99

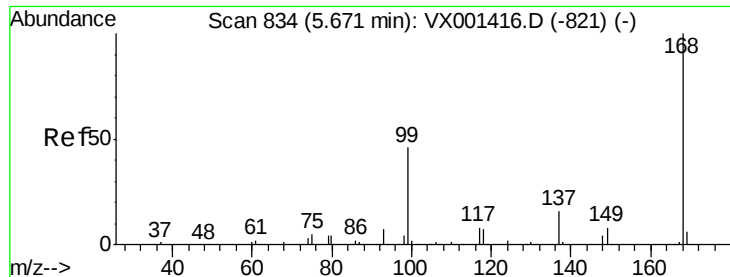
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 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: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

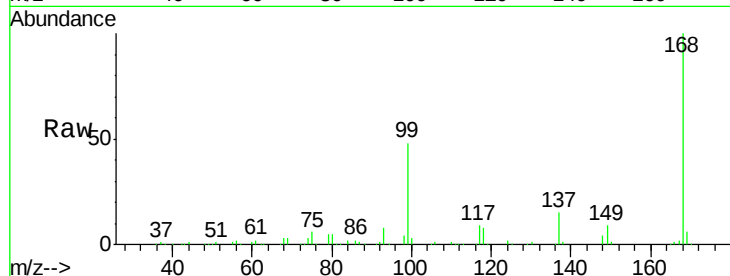
PL-02-050418-E

Tgt Ion:168 Resp: 256795

Ion Ratio Lower Upper

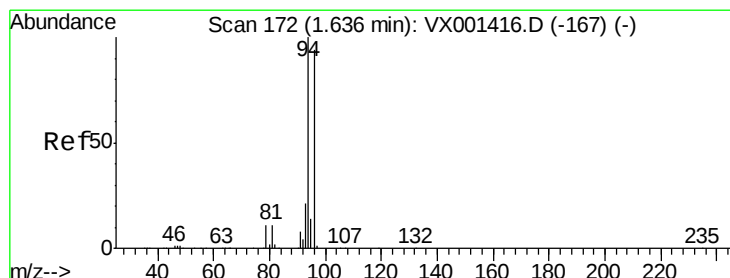
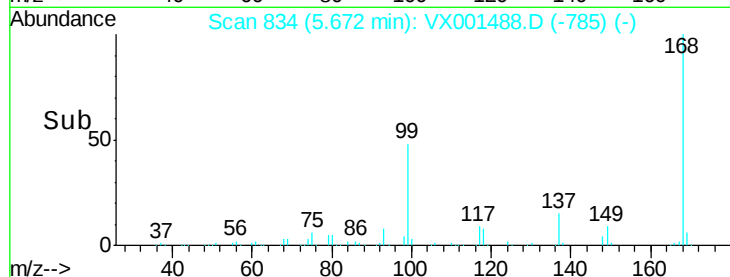
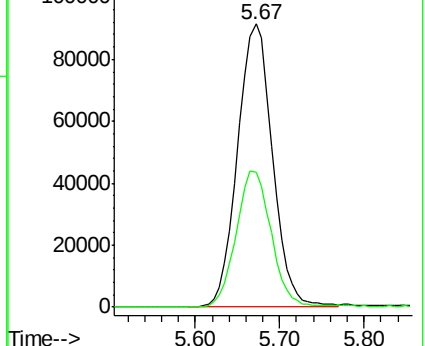
168 100

99 47.6 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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001488.D

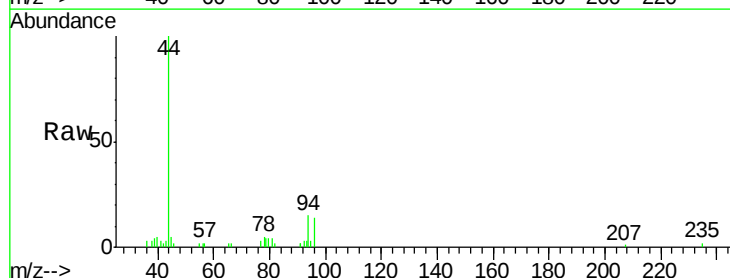
Acq: 08 May 2018 02:00

Tgt Ion: 94 Resp: 1001

Ion Ratio Lower Upper

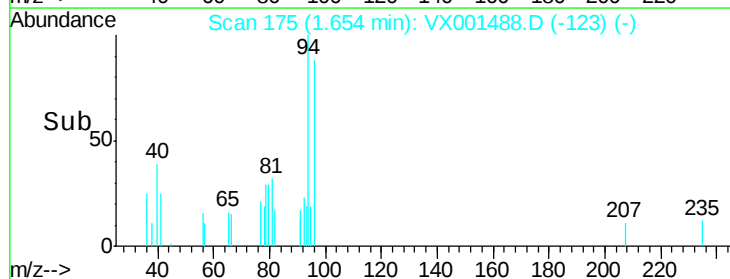
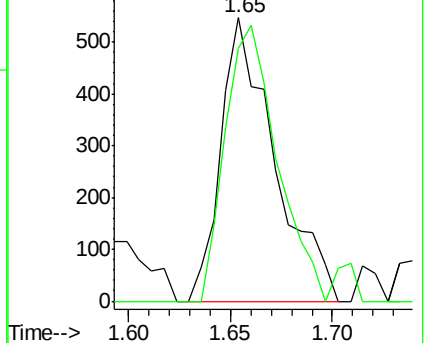
94 100

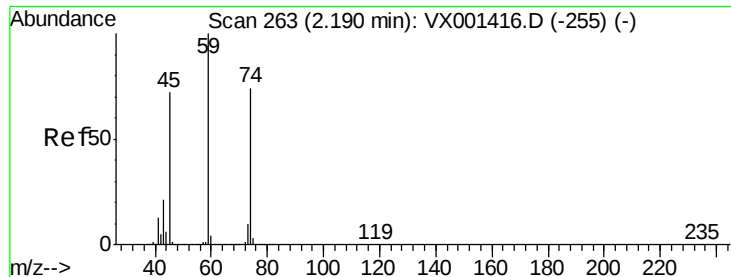
96 89.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.28 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

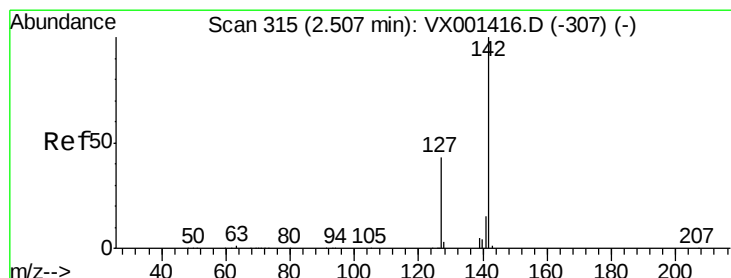
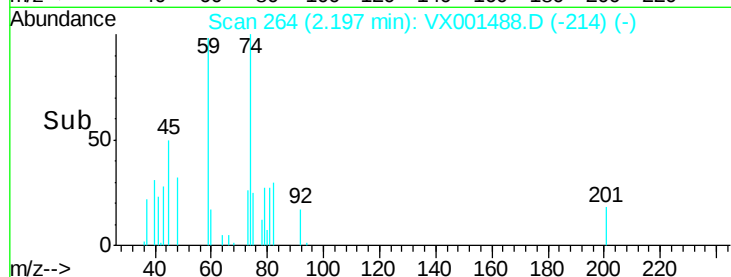
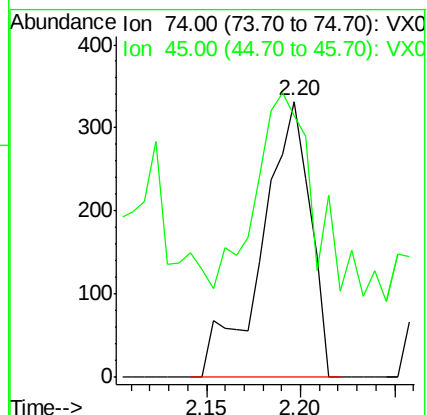
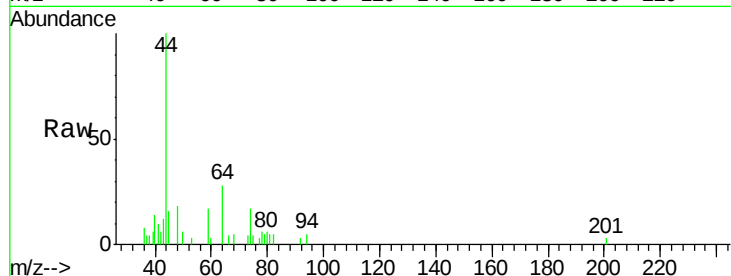
PL-02-050418-E

Tgt Ion: 74 Resp: 584

Ion Ratio Lower Upper

74 100

45 96.6 47.9 143.6



#10

Methyl Iodide

Concen: 0.27 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

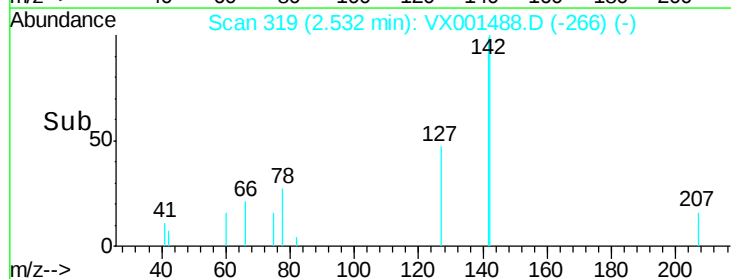
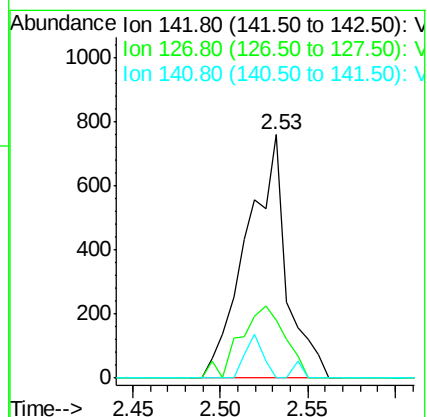
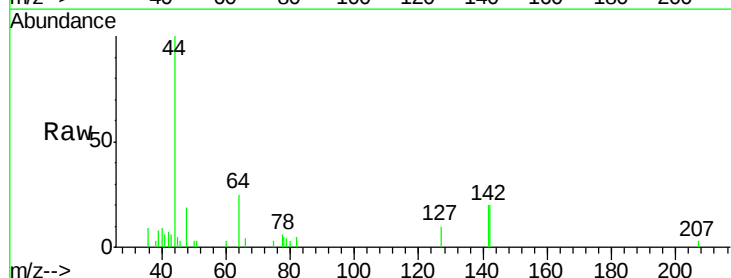
Tgt Ion: 142 Resp: 1212

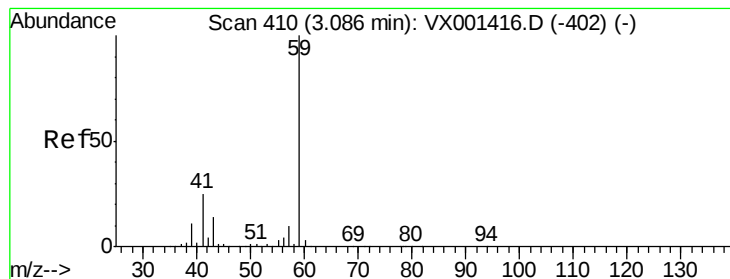
Ion Ratio Lower Upper

142 100

127 32.9 33.6 50.4#

141 8.0 11.4 17.2#



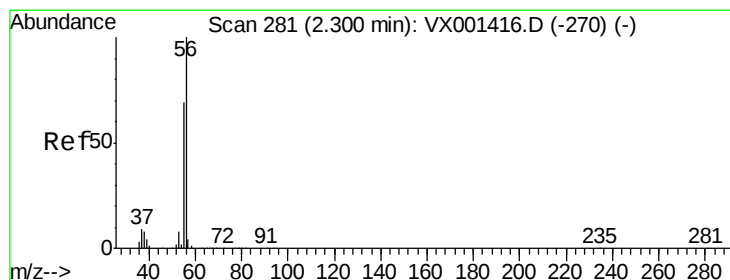
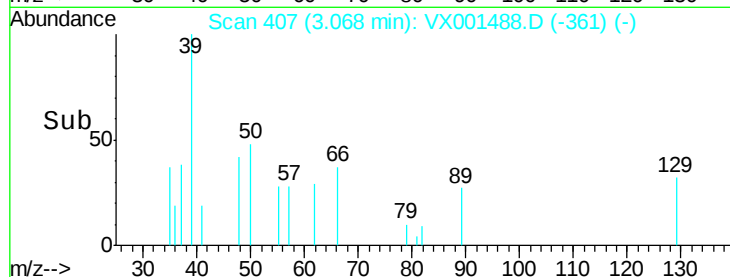
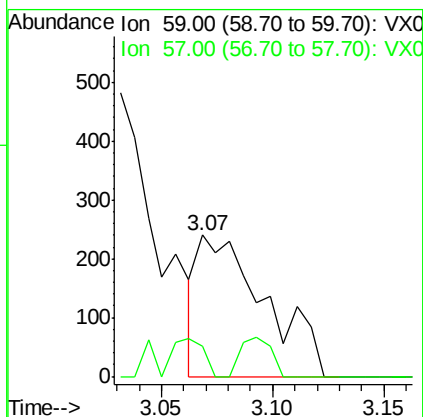
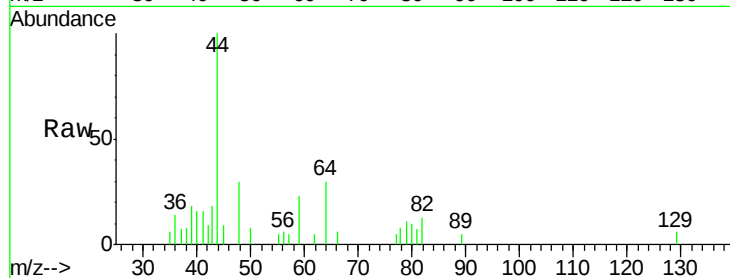


#11

Tert butyl alcohol
Concen: 0.64 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-E

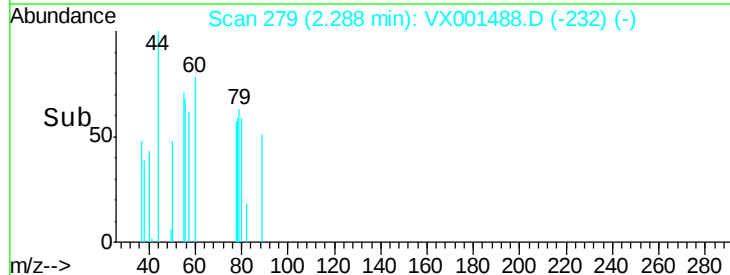
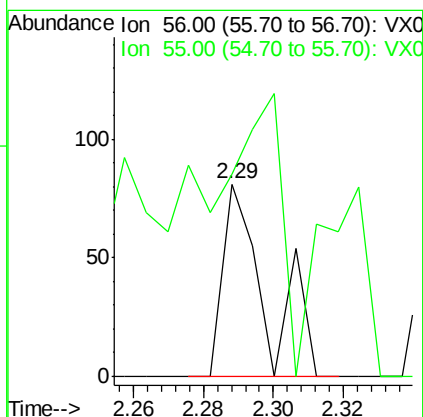
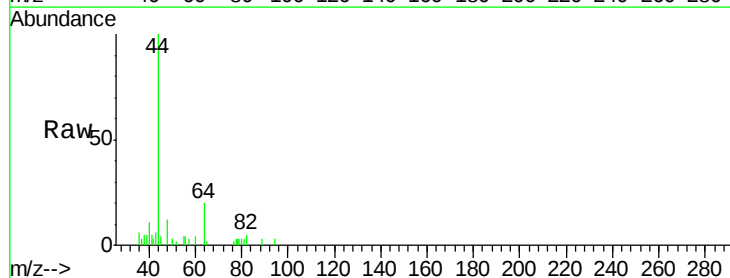
Tgt Ion: 59 Resp: 501
Ion Ratio Lower Upper
59 100
57 17.2 8.2 12.4#

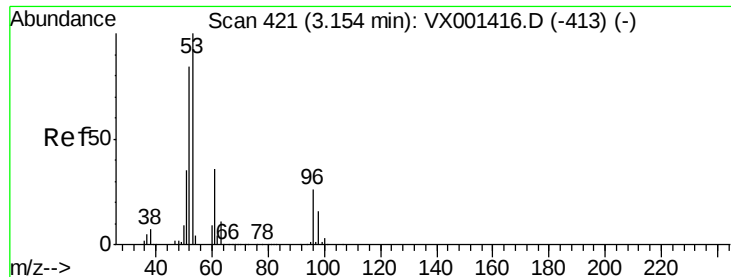


#13

Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 242.9 54.5 81.7#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-E

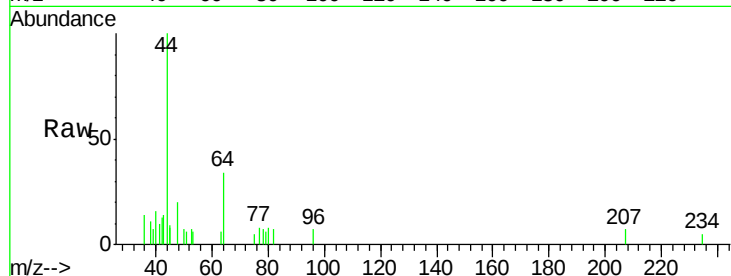
Tgt Ion: 53 Resp: 371

Ion Ratio Lower Upper

53 100

52 58.5 66.2 99.2#

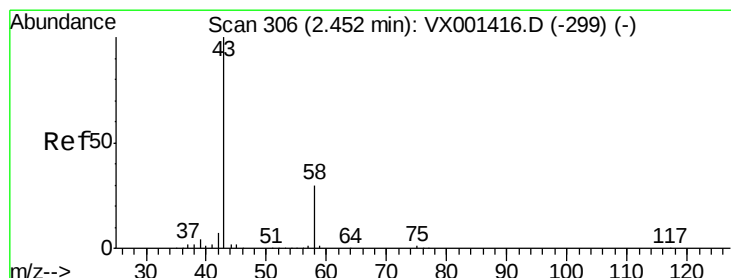
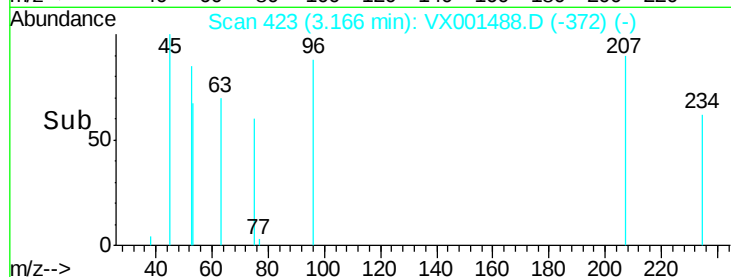
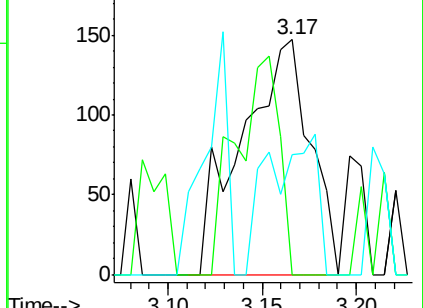
51 19.1 28.6 43.0#



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: 2.96 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001488.D

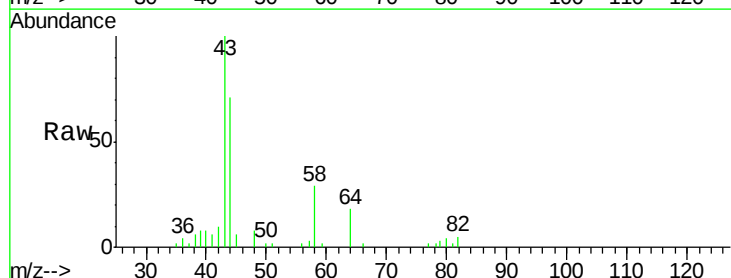
Acq: 08 May 2018 02:00

Tgt Ion: 43 Resp: 4957

Ion Ratio Lower Upper

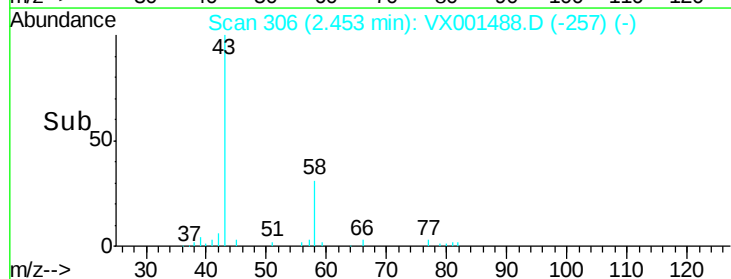
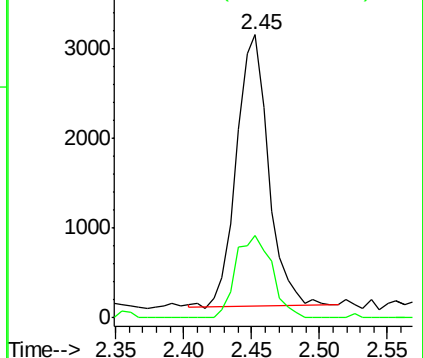
43 100

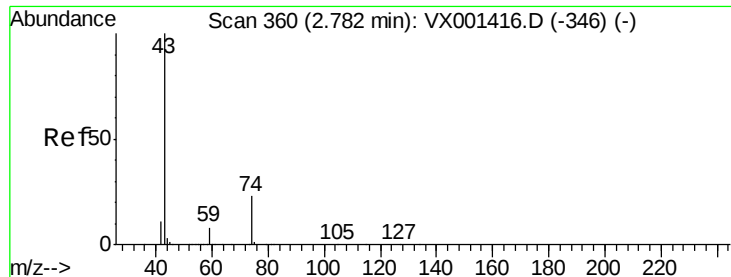
58 30.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

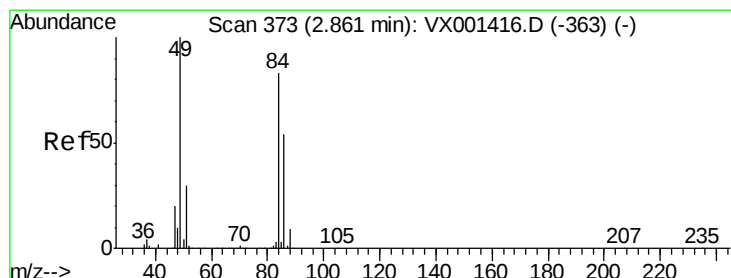
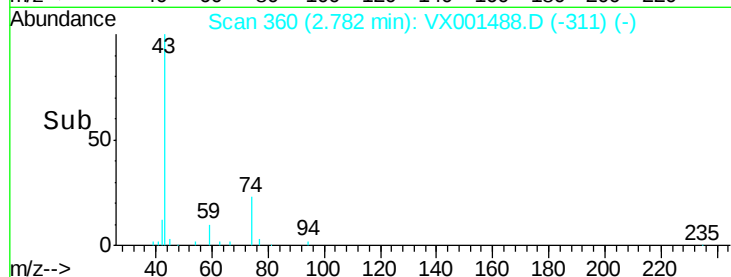
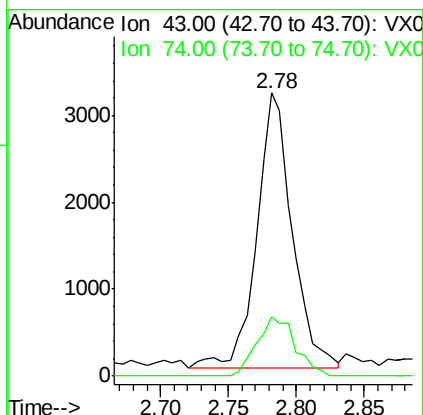
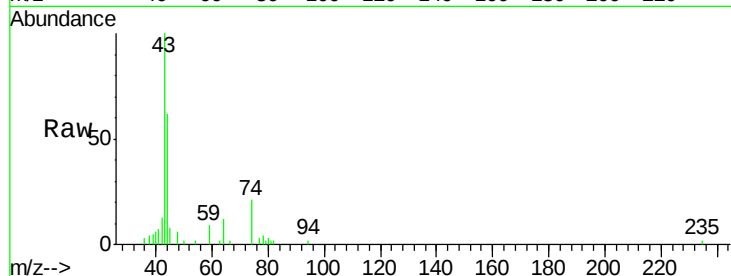




#18
Methyl Acetate
Concen: 1.31 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

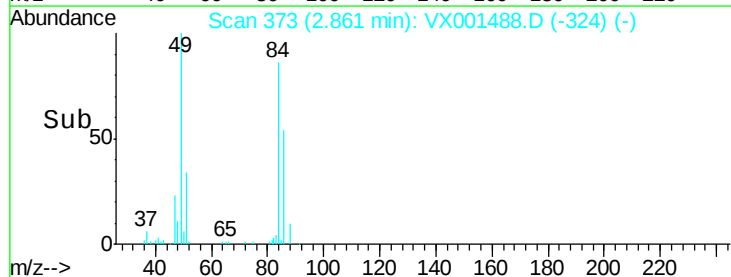
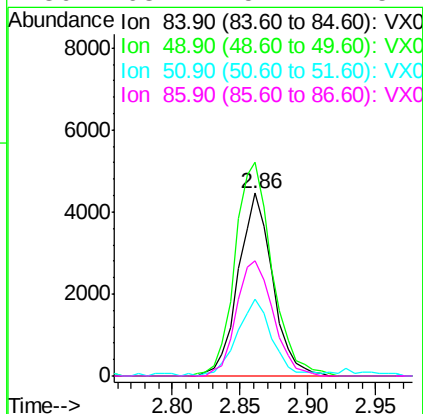
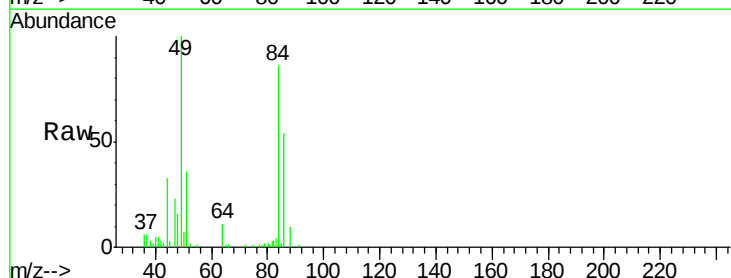
Instrument :
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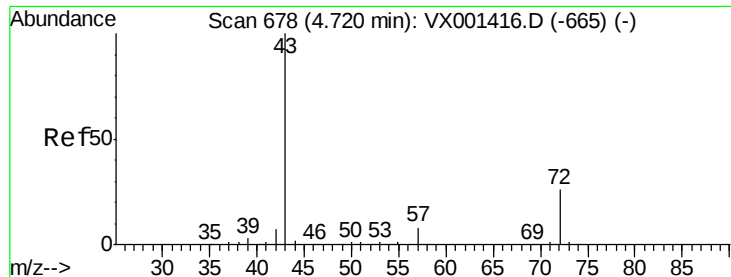
Tgt Ion: 43 Resp: 5767
Ion Ratio Lower Upper
43 100
74 23.5 18.6 27.8



#20
Methylene Chloride
Concen: 2.37 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

Tgt Ion: 84 Resp: 7865
Ion Ratio Lower Upper
84 100
49 116.9 96.6 144.8
51 40.3 29.0 43.4
86 63.4 52.2 78.4





#25

2-Butanone

Concen: 0.32 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

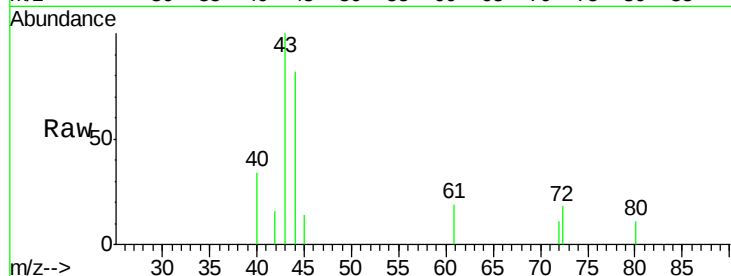
PL-02-050418-E

Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

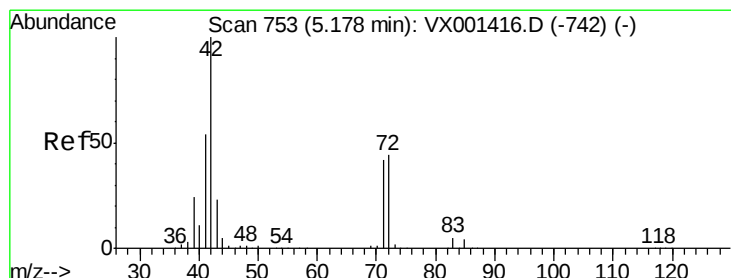
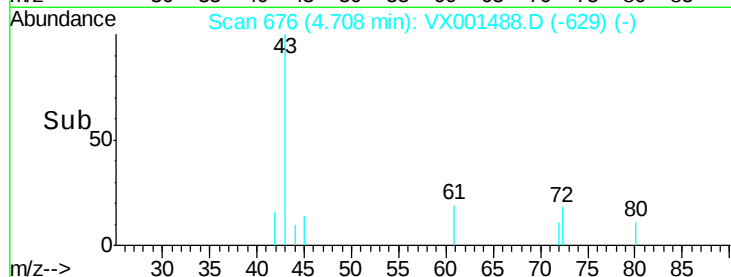
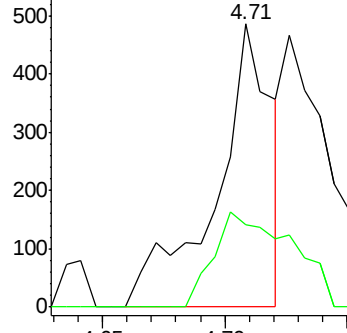
43 100

72 29.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

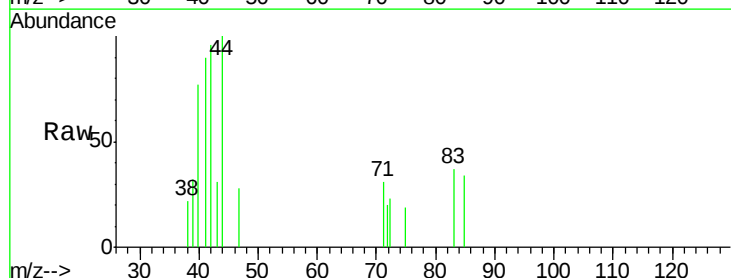
Tgt Ion: 42 Resp: 782

Ion Ratio Lower Upper

42 100

72 35.0 35.4 53.2#

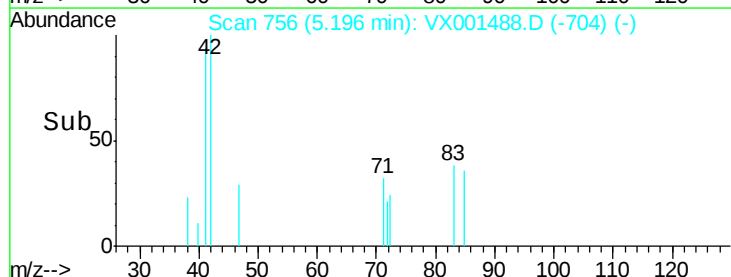
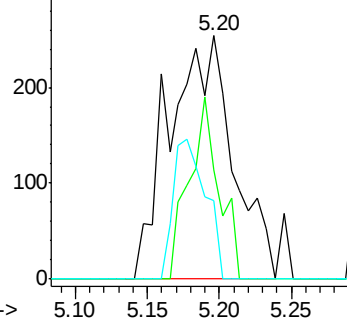
71 29.4 33.0 49.4#

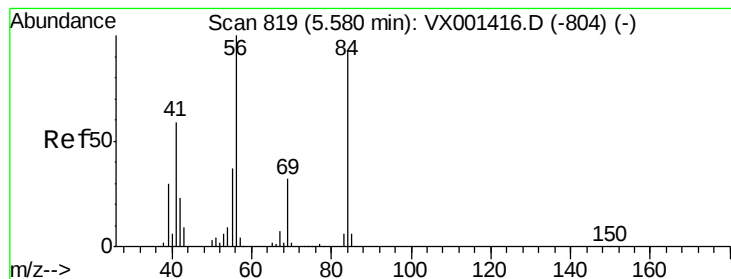


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-E

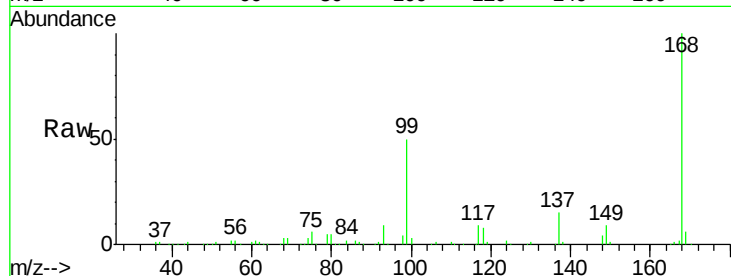
Tgt Ion: 56 Resp: 4566

Ion Ratio Lower Upper

56 100

69 185.6 25.4 38.0#

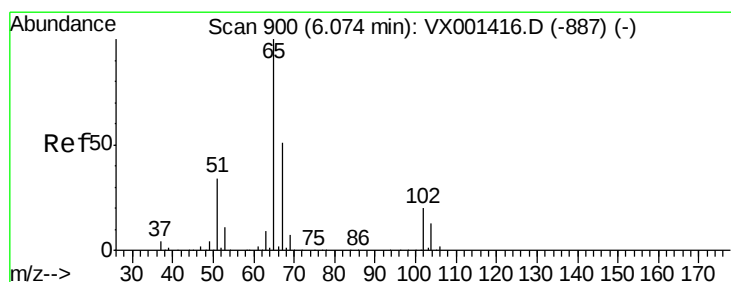
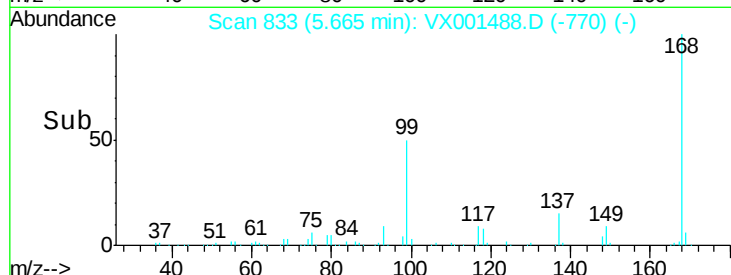
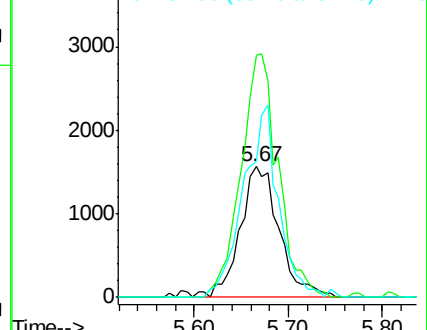
84 104.2 73.8 110.8



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: 46.54 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001488.D

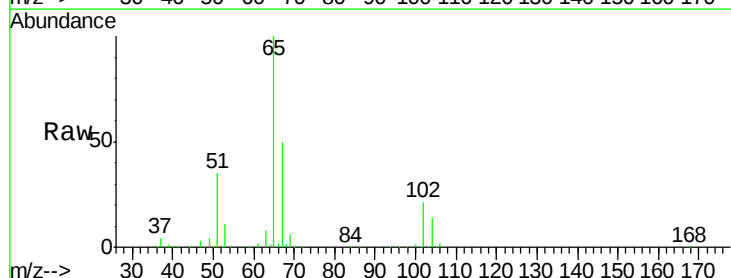
Acq: 08 May 2018 02:00

Tgt Ion: 65 Resp: 171783

Ion Ratio Lower Upper

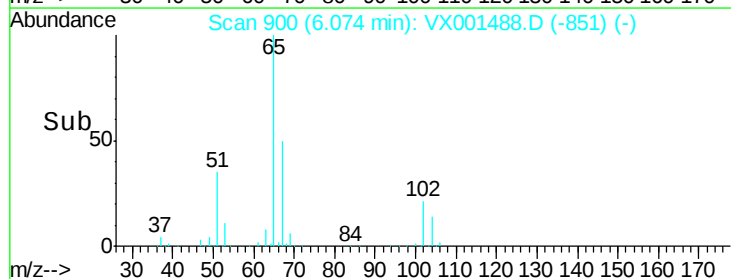
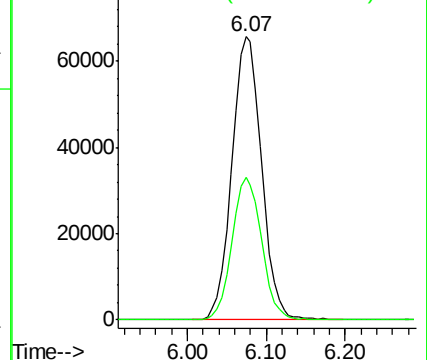
65 100

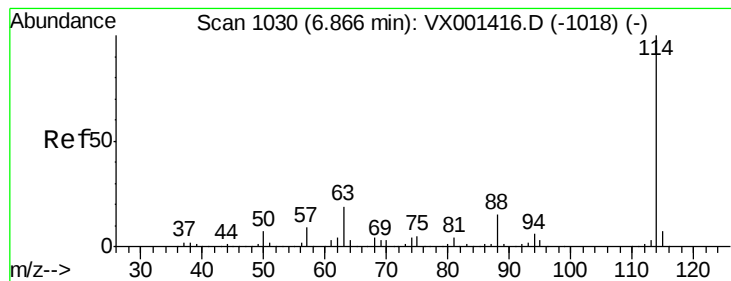
67 50.2 0.0 101.8



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: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-E

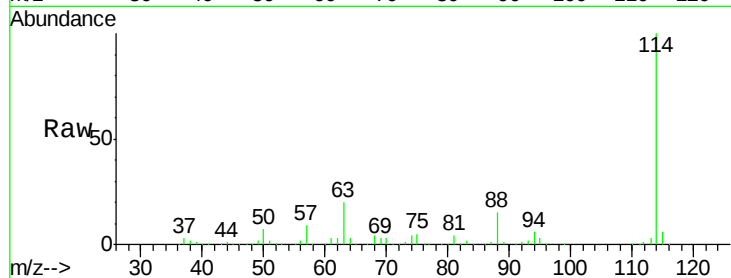
Tgt Ion:114 Resp: 354403

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

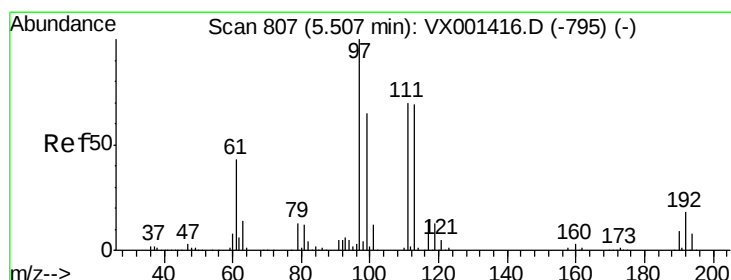
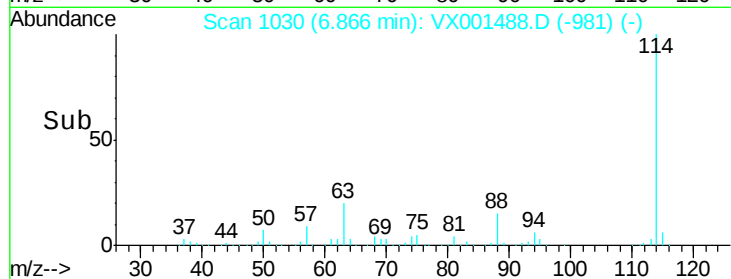
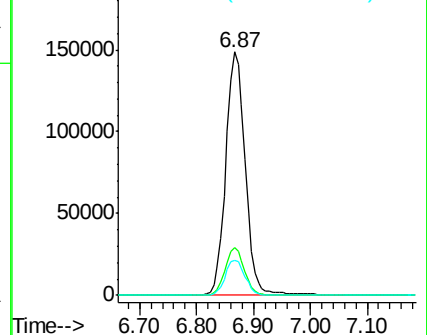
88 14.6 0.0 30.8



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: 42.37 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

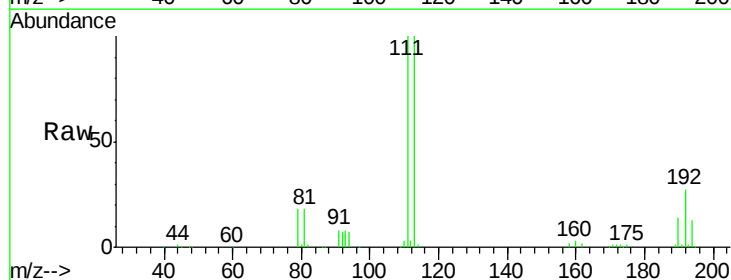
Tgt Ion:113 Resp: 133572

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

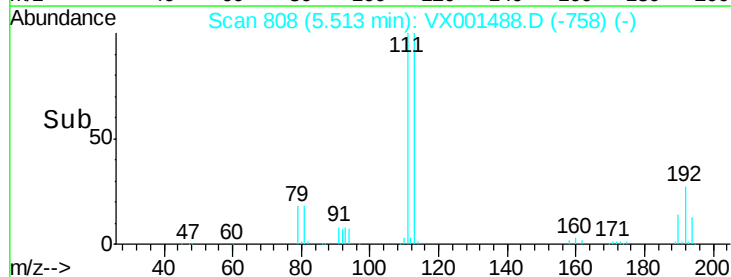
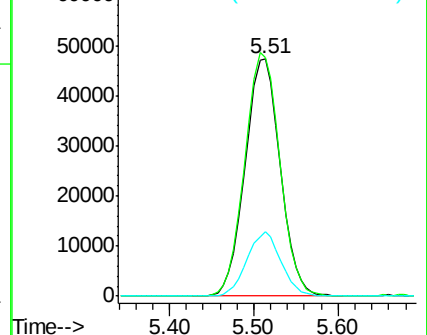
192 26.2 21.4 32.0

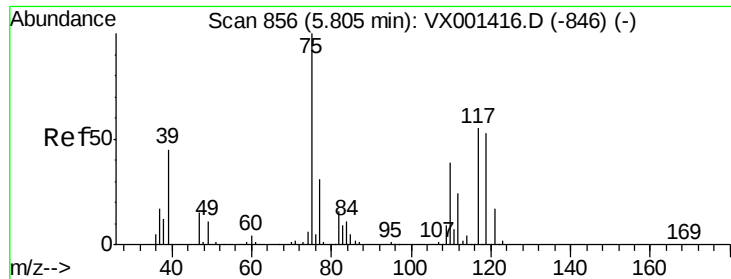


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

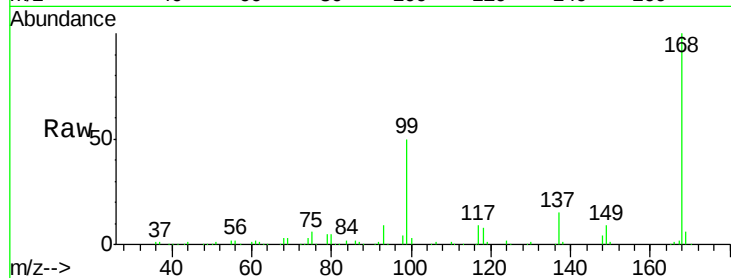




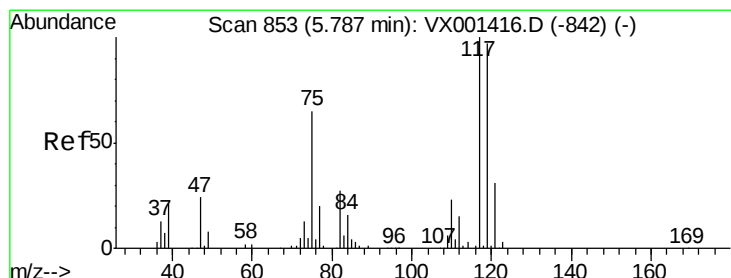
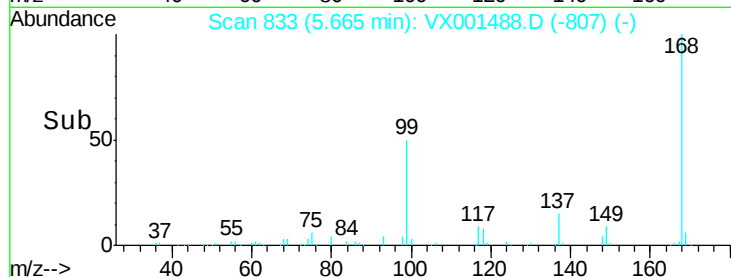
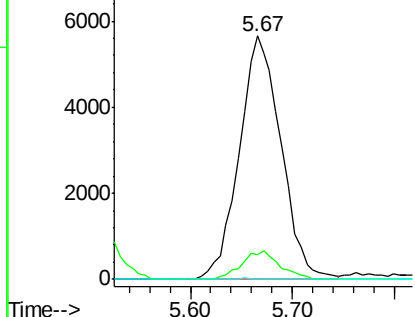
#36
 1,1-Dichloropropene
 Concen: 3.56 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001488.D
 Acq: 08 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-E

Tgt Ion: 75 Resp: 16028
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.9 56.7#
 77 0.1 24.9 37.3#

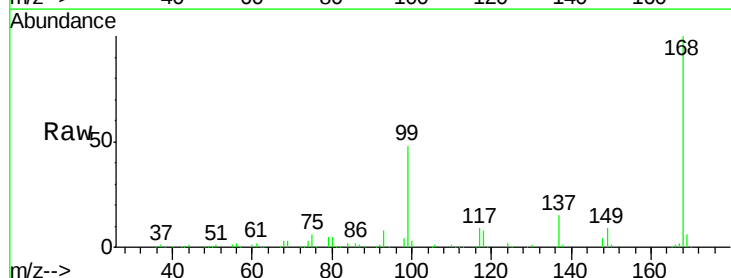


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

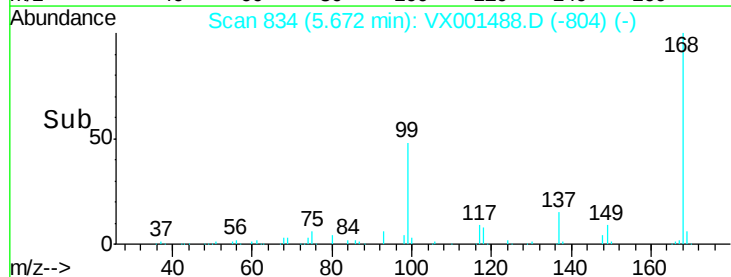
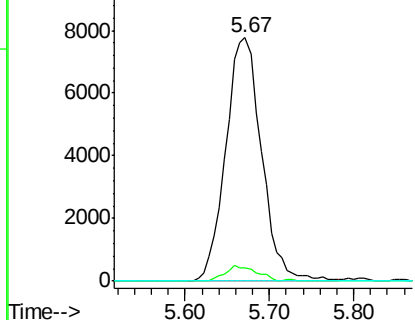


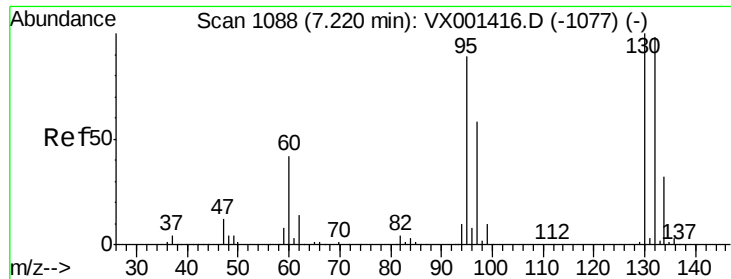
#38
 Carbon Tetrachloride
 Concen: 4.65 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001488.D
 Acq: 08 May 2018 02:00

Tgt Ion: 117 Resp: 22375
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.0 115.6#
 121 0.0 25.1 37.7#



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

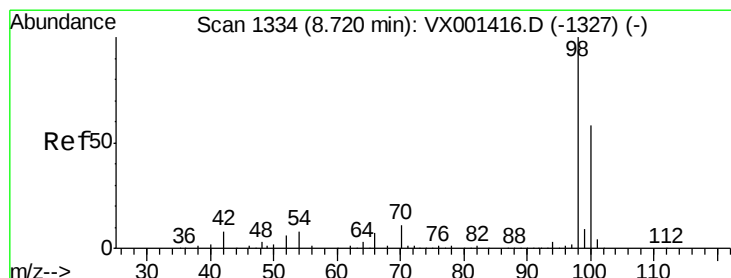
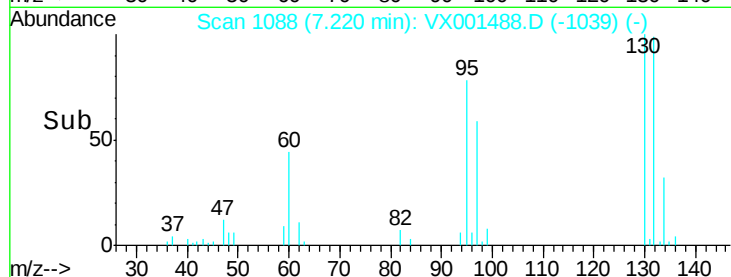
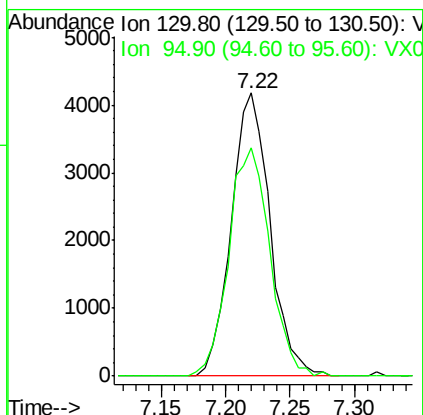
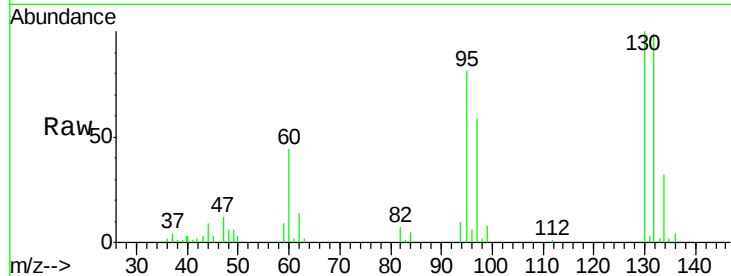




#44
 Trichloroethene
 Concen: 2.16 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001488.D
 Acq: 08 May 2018 02:00

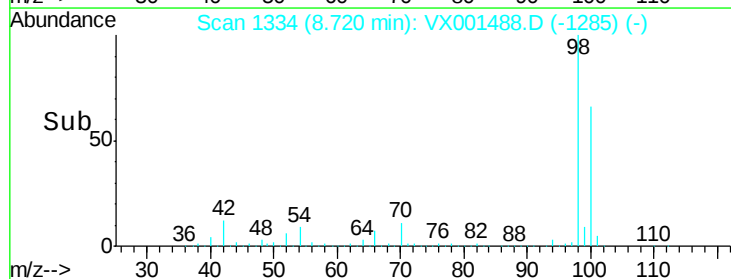
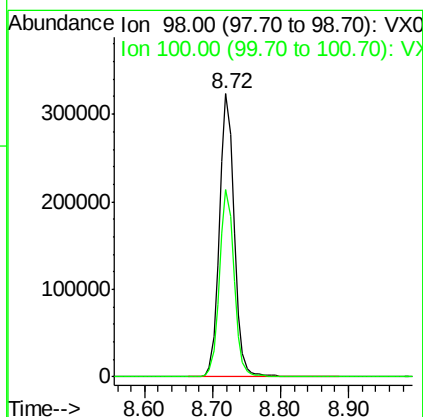
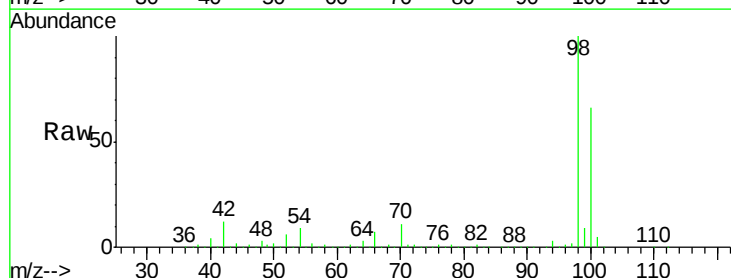
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-E

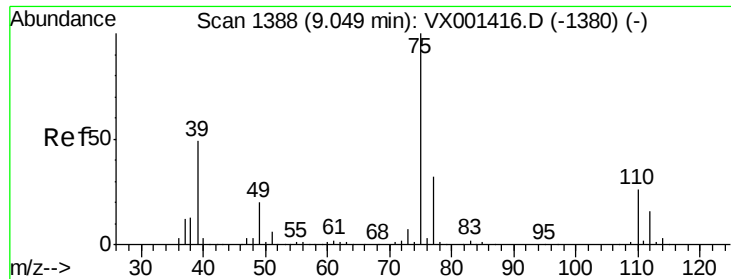
Tgt Ion:130 Resp: 8709
 Ion Ratio Lower Upper
 130 100
 95 80.6 0.0 178.4



#50
 Toluene-d8
 Concen: 42.31 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001488.D
 Acq: 08 May 2018 02:00

Tgt Ion: 98 Resp: 486871
 Ion Ratio Lower Upper
 98 100
 100 65.8 54.0 81.0





#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-E

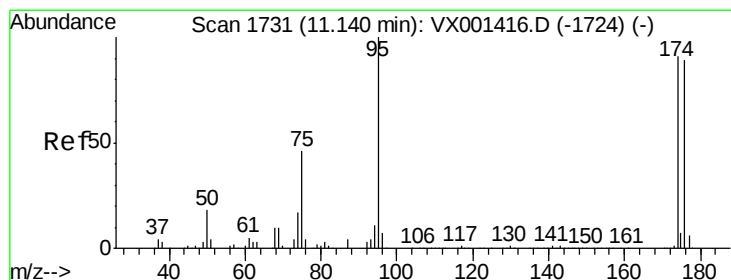
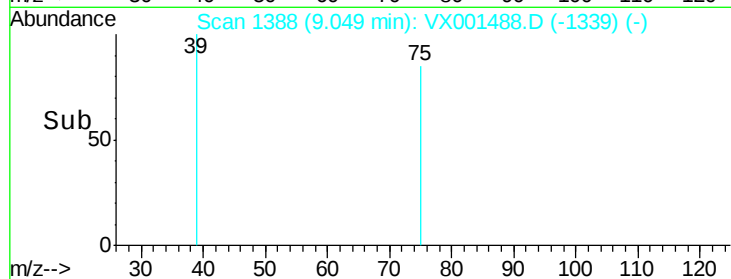
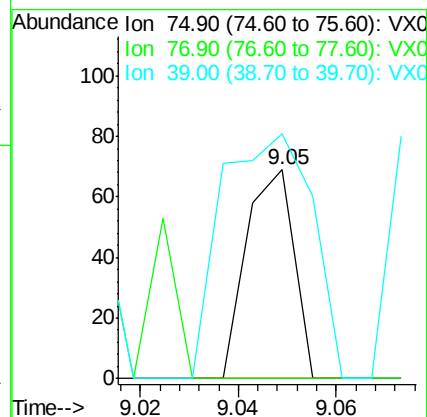
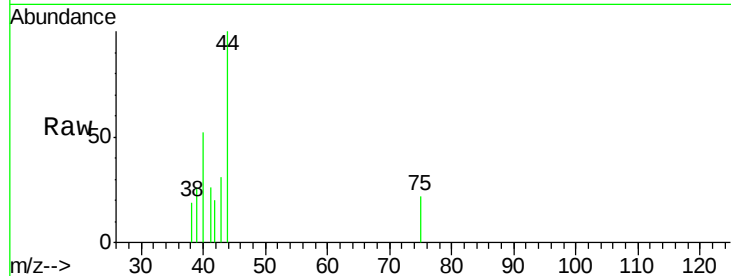
Tgt Ion: 75 Resp: 46

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 117.4 38.9 58.3#



#62

4-Bromofluorobenzene

Concen: 36.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

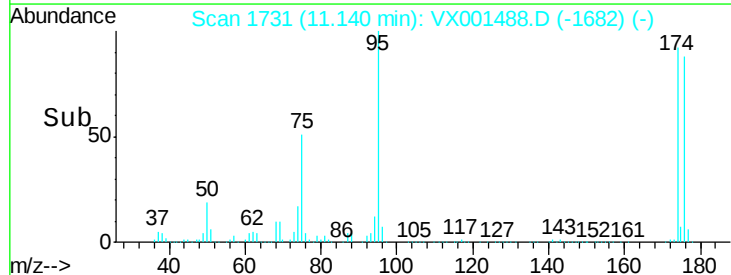
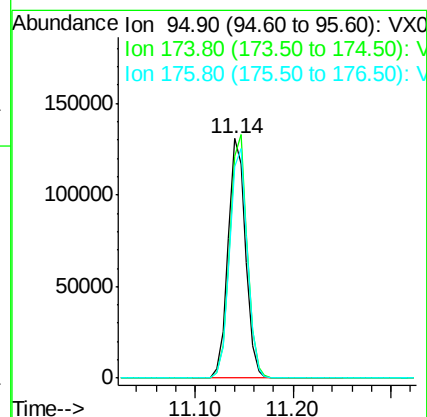
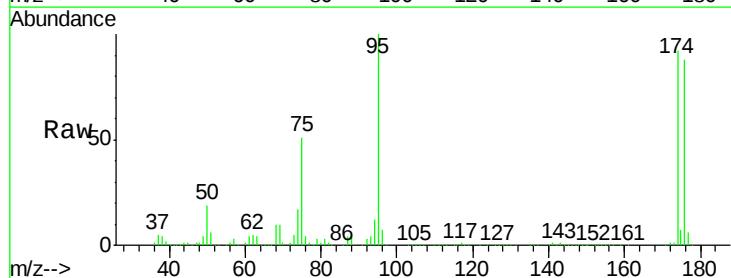
Tgt Ion: 95 Resp: 161935

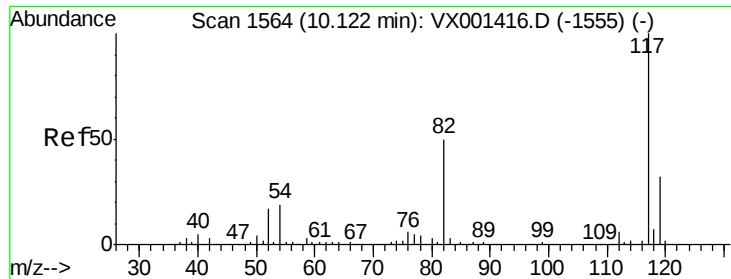
Ion Ratio Lower Upper

95 100

174 101.9 0.0 202.0

176 97.4 0.0 197.4

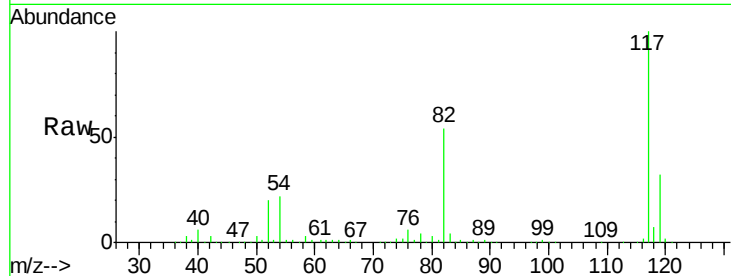




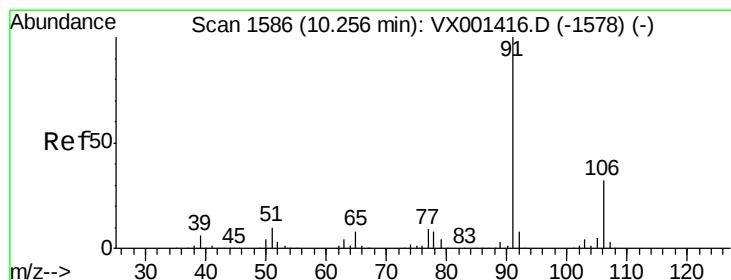
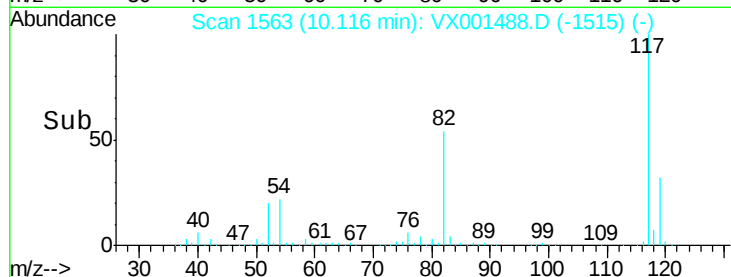
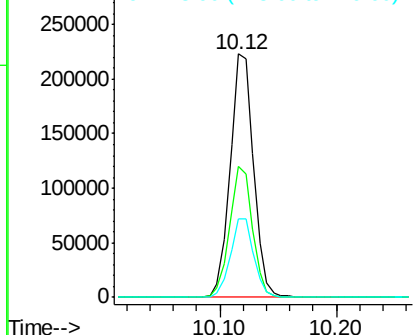
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-E

Tgt Ion: 117 Resp: 311778
Ion Ratio Lower Upper
117 100
82 53.6 40.0 60.0
119 32.0 25.8 38.8

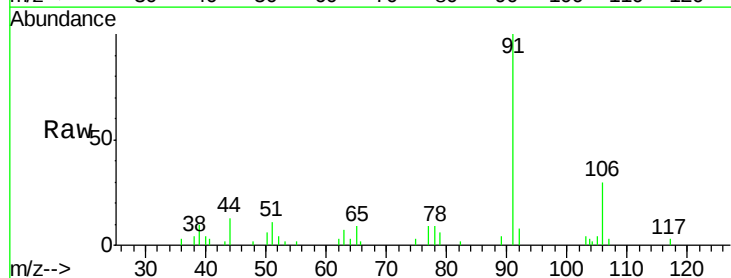


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

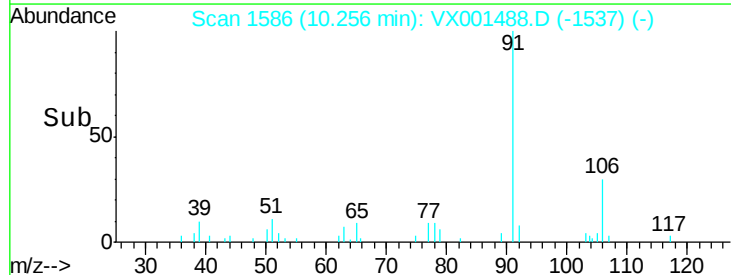
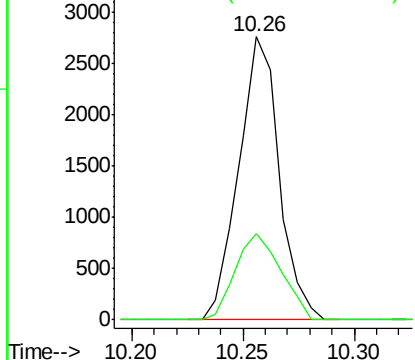


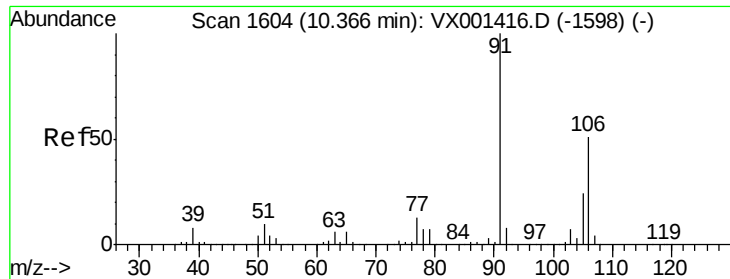
#67
Ethyl Benzene
Concen: 0.23 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

Tgt Ion: 91 Resp: 3490
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

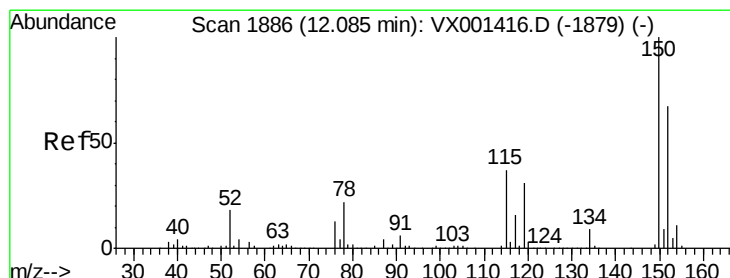
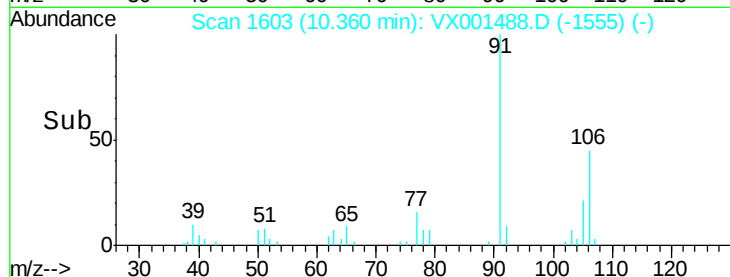
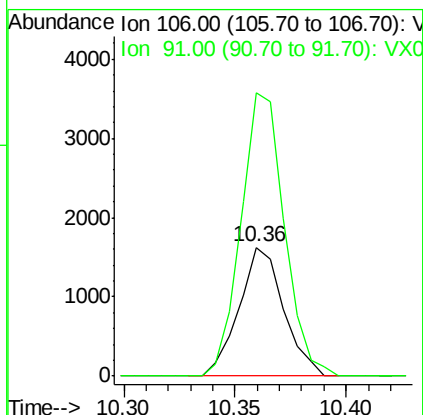
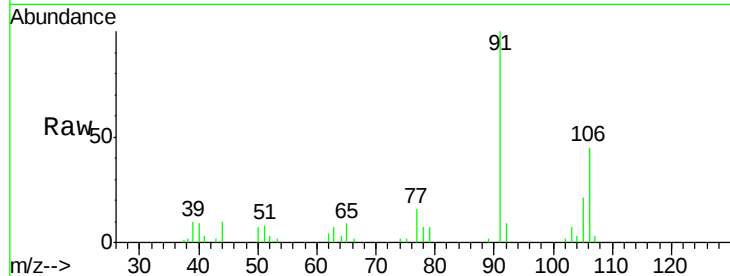




#68
m/p-Xylenes
Concen: 0.38 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

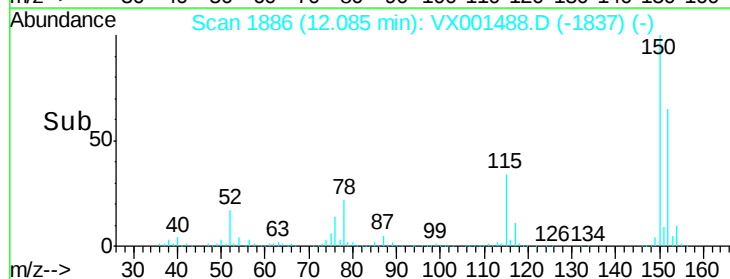
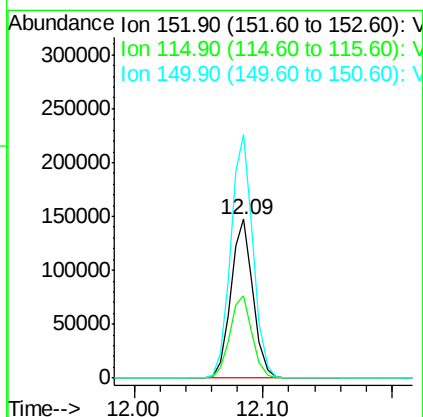
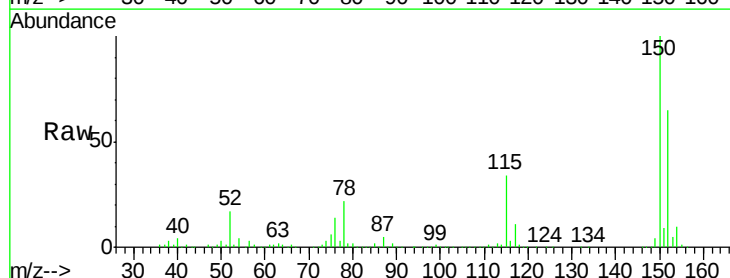
Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-E

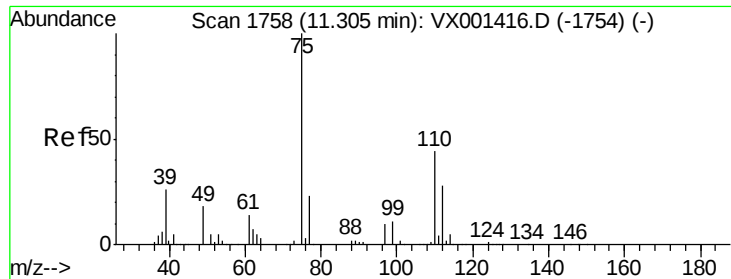
Tgt Ion:106 Resp: 2279
Ion Ratio Lower Upper
106 100
91 213.0 157.5 236.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001488.D
Acq: 08 May 2018 02:00

Tgt Ion:152 Resp: 175278
Ion Ratio Lower Upper
152 100
115 53.1 37.7 113.1
150 155.9 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 23.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

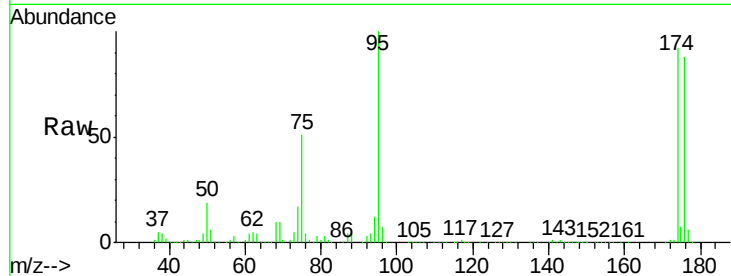
PL-02-050418-E

Tgt Ion: 75 Resp: 81744

Ion Ratio Lower Upper

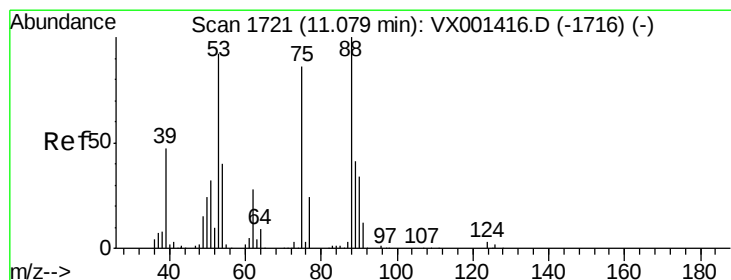
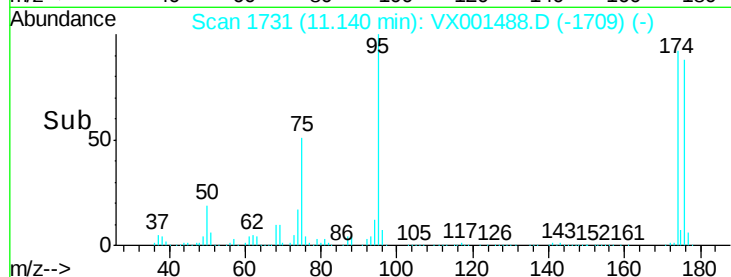
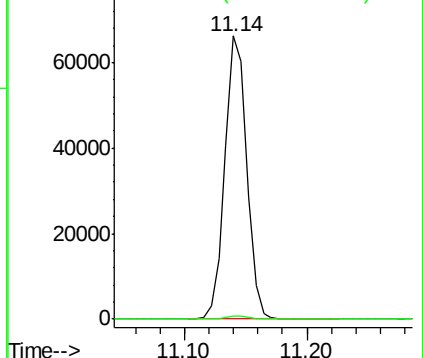
75 100

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: 71.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

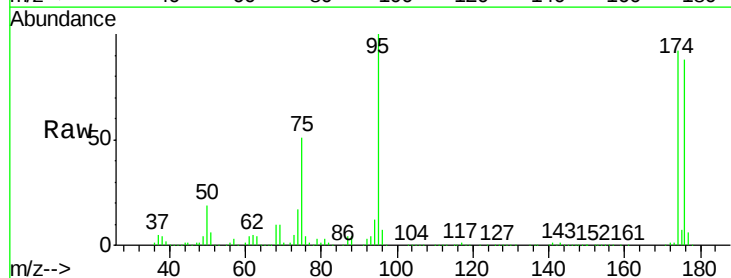
Tgt Ion: 75 Resp: 81744

Ion Ratio Lower Upper

75 100

53 0.2 84.5 126.7#

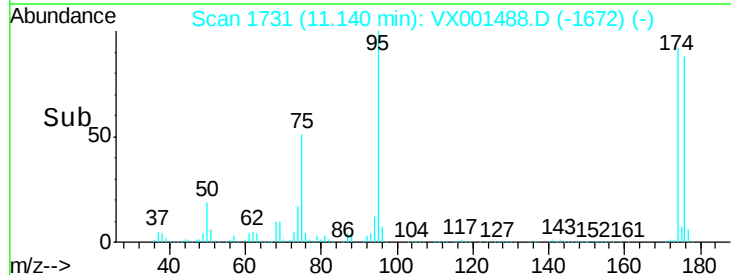
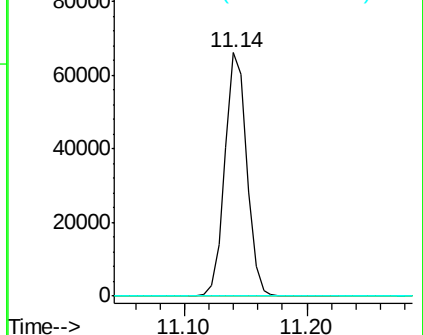
89 0.0 39.5 59.3#

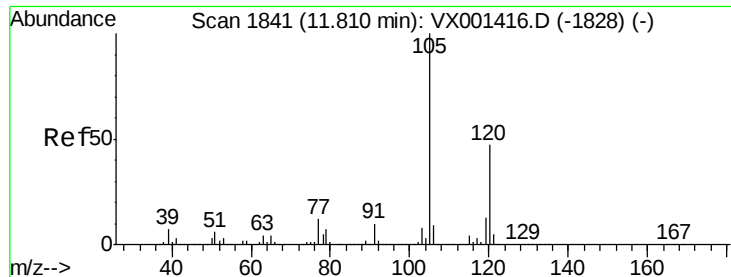


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 0.36 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

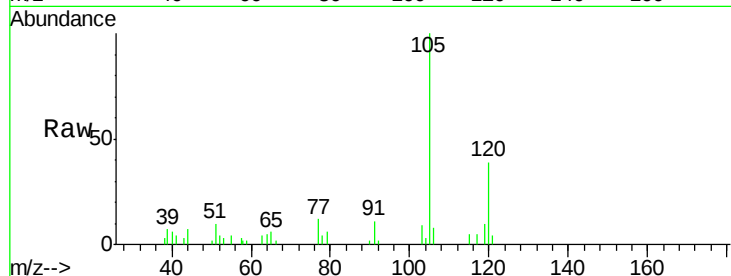
PL-02-050418-E

Tgt Ion:105 Resp: 3732

Ion Ratio Lower Upper

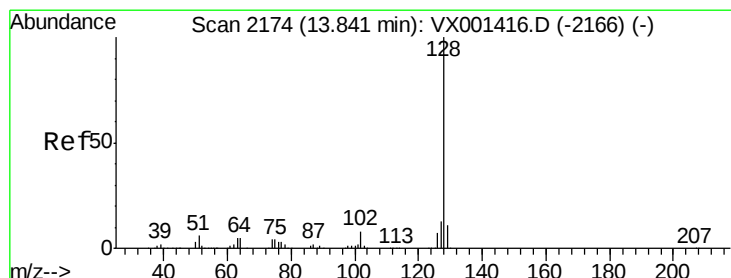
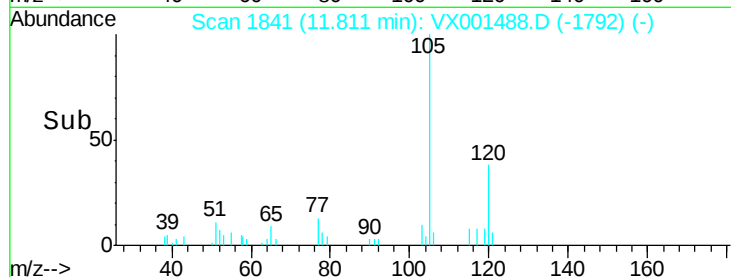
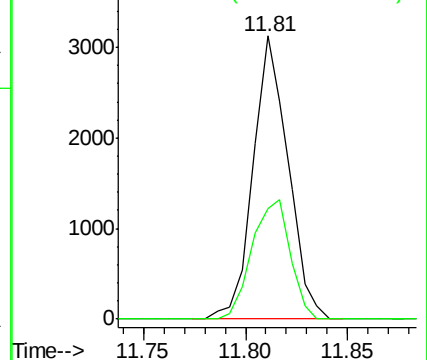
105 100

120 45.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 8.73 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001488.D

Acq: 08 May 2018 02:00

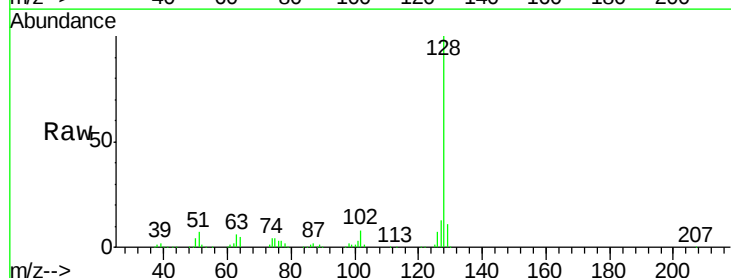
Tgt Ion:128 Resp: 113405

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 11.2 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

