

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001545.D
 Acq On : 09 May 2018 06:01
 Operator : JC/MD
 Sample : J2783-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BS-CONCRETE-RO-277

Quant Time: May 09 06:55:21 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	251085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342308	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	177205	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	169915	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
35) Dibromofluoromethane	5.51	113	130181	42.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.52%	
50) Toluene-d8	8.72	98	475782	42.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.62%	
62) 4-Bromofluorobenzene	11.14	95	157476	36.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.82%	

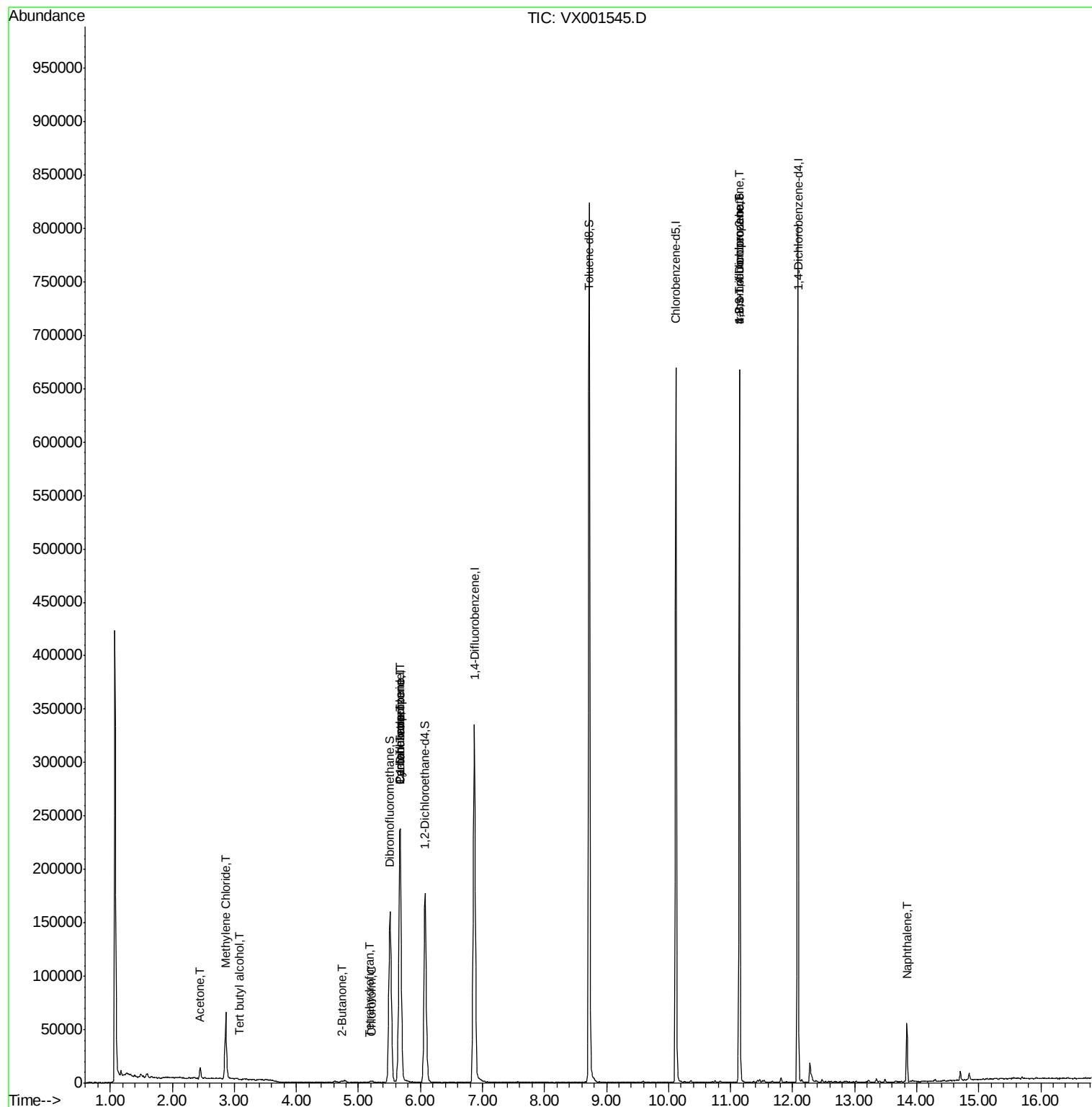
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	781	Below Cal		89
11) Tert butyl alcohol	3.07	59	188	0.25 ug/l	#	72
13) Acrolein	2.30	56	26	Below Cal	#	1
16) Acetone	2.45	43	10835	6.61 ug/l		96
20) Methylene Chloride	2.86	84	28095	8.66 ug/l		93
25) 2-Butanone	4.73	43	1996	0.84 ug/l	#	73
29) Tetrahydrofuran	5.18	42	562	0.37 ug/l	#	87
30) Chloroform	5.22	83	1198	0.22 ug/l		93
31) Cyclohexane	5.67	56	4316	0.93 ug/l	#	9
36) 1,1-Dichloropropene	5.67	75	15534	3.57 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	22129	4.77 ug/l	#	16
76) 1,2,3-Trichloropropane	11.14	75	81057	22.55 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	81057	70.03 ug/l	#	7
95) Naphthalene	13.84	128	33488	2.55 ug/l		98

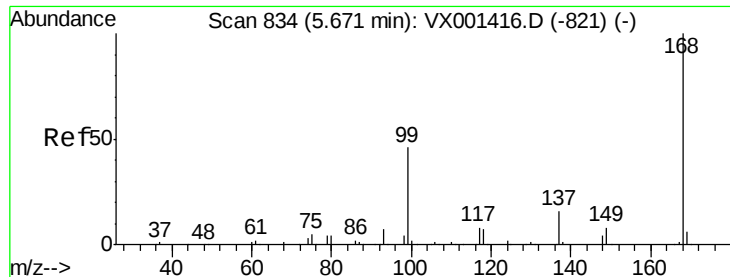
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001545.D

Acq: 09 May 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

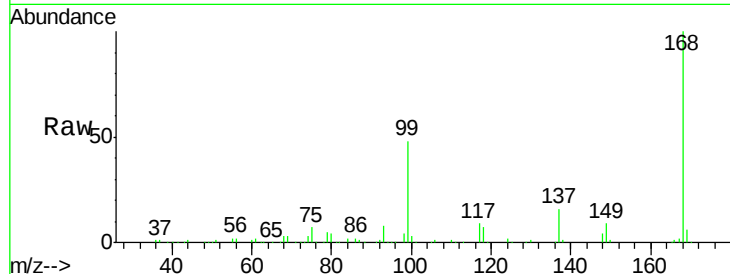
BS-CONCRETE-RO-277

Tgt Ion:168 Resp: 251085

Ion Ratio Lower Upper

168 100

99 47.8 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

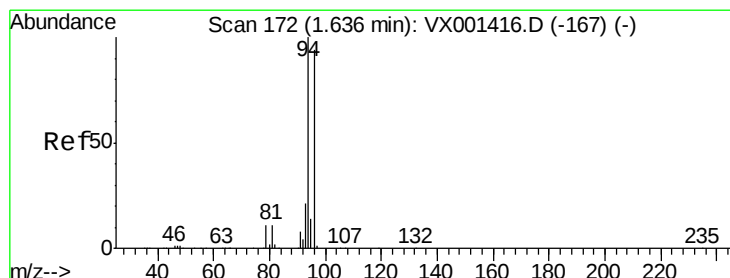
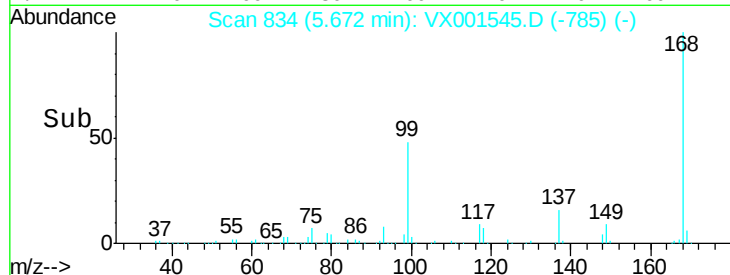
60000

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. 0.02 min

Lab File: VX001545.D

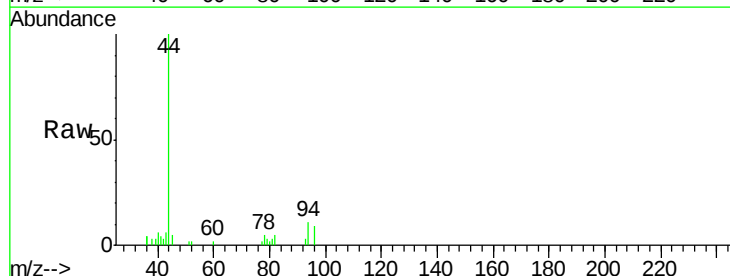
Acq: 09 May 2018 06:01

Tgt Ion: 94 Resp: 781

Ion Ratio Lower Upper

94 100

96 82.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

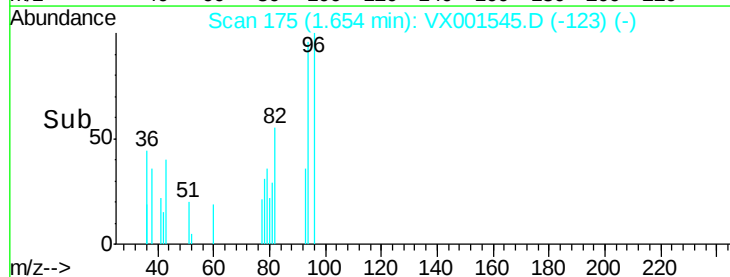
300

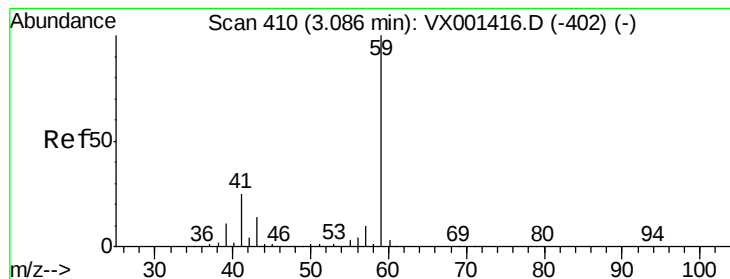
200

100

0

Time--> 1.60 1.65 1.70 1.75



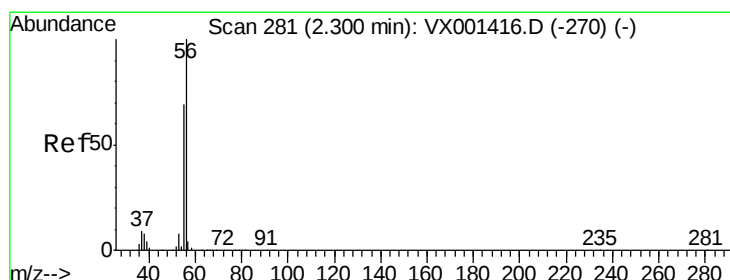
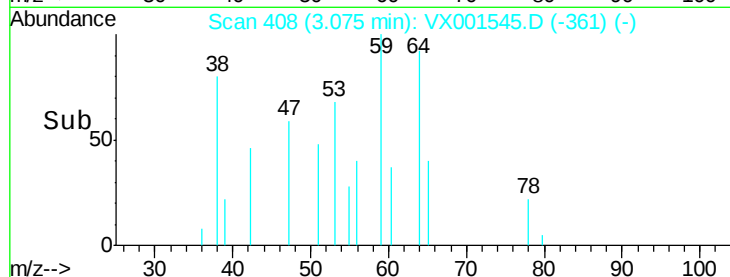
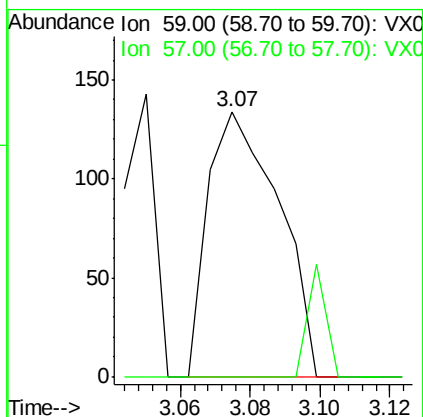
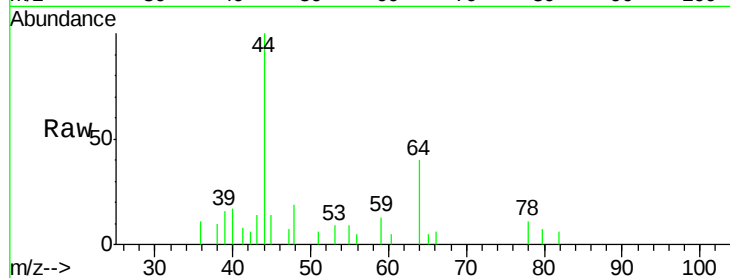


#11

Tert butyl alcohol
 Concen: 0.25 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

Instrument :
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 ClientSampleId :
 BS-CONCRETE-RO-277

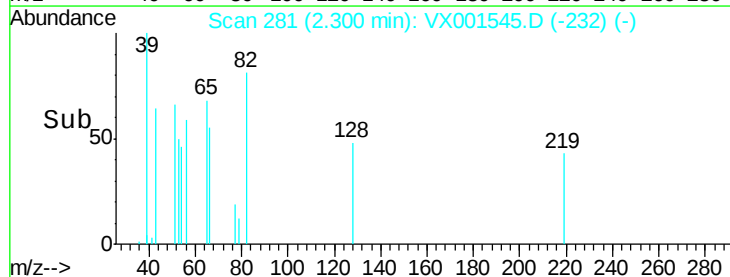
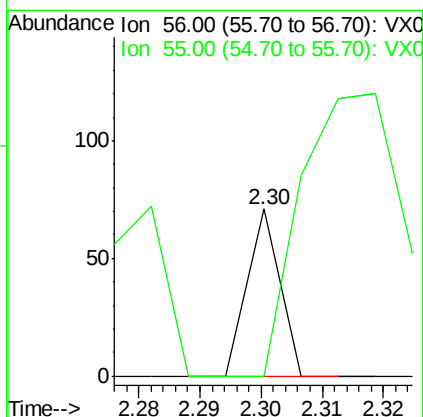
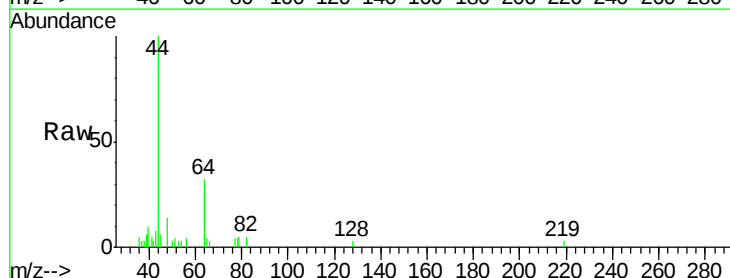
Tgt Ion: 59 Resp: 188
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

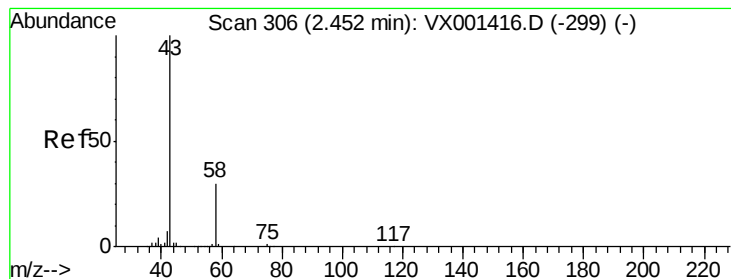


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

Tgt Ion: 56 Resp: 26
 Ion Ratio Lower Upper
 56 100
 55 357.7 54.5 81.7#





#16

Acetone

Concen: 6.61 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

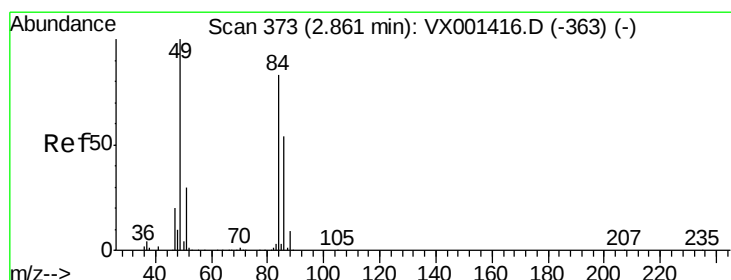
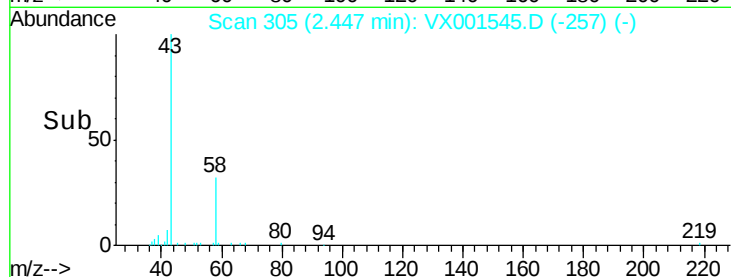
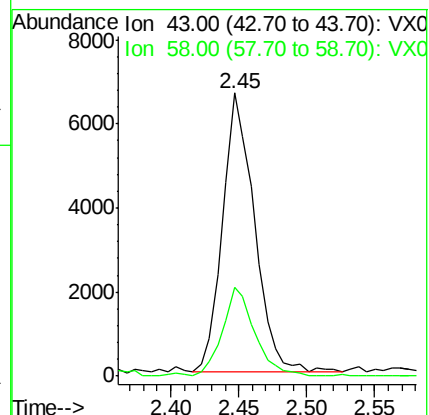
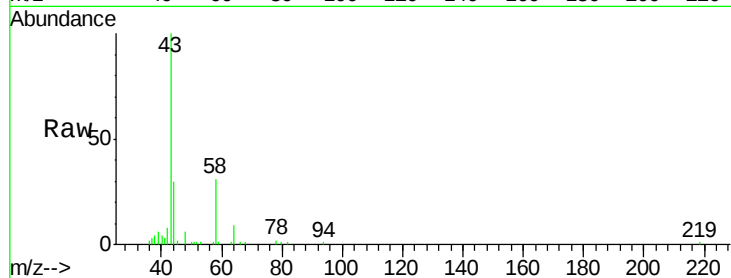
BS-CONCRETE-RO-277

Tgt Ion: 43 Resp: 10835

Ion Ratio Lower Upper

43 100

58 31.9 23.8 35.8



#20

Methylene Chloride

Concen: 8.66 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

Tgt Ion: 84 Resp: 28095

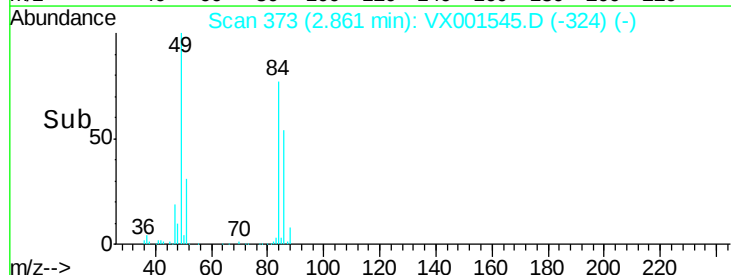
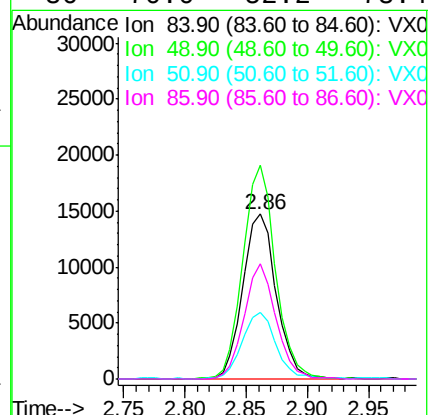
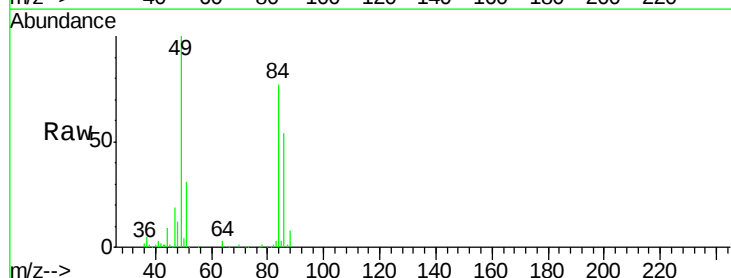
Ion Ratio Lower Upper

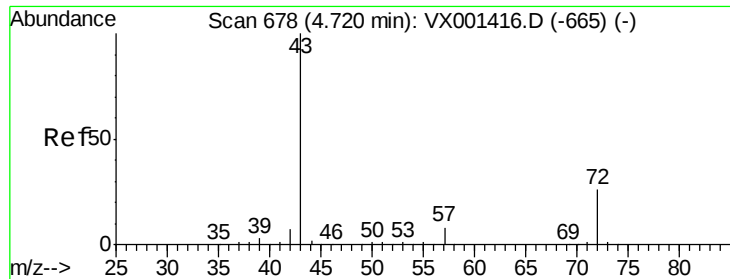
84 100

49 129.6 96.6 144.8

51 40.7 29.0 43.4

86 70.0 52.2 78.4





#25

2-Butanone

Concen: 0.84 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

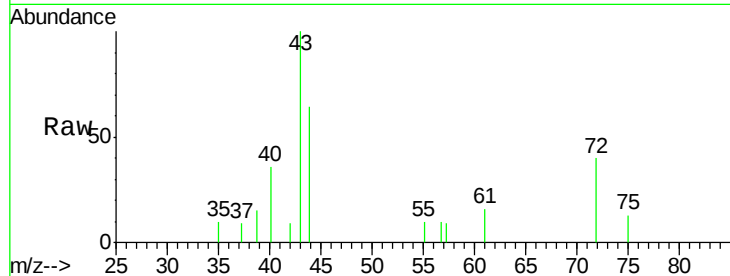
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Tgt Ion: 43 Resp: 1996

Ion Ratio Lower Upper

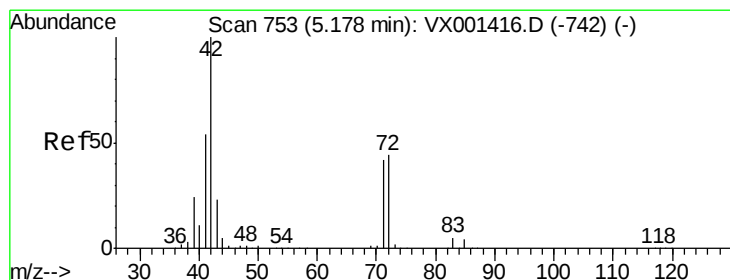
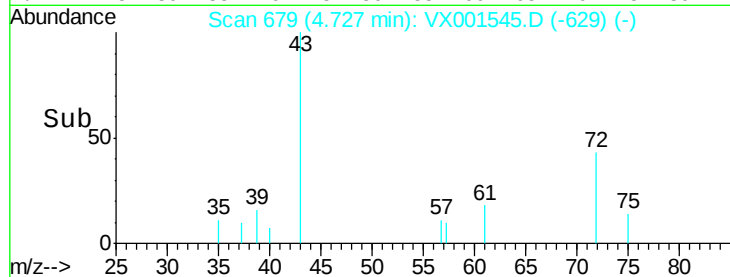
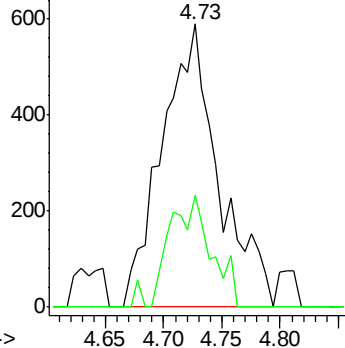
43 100

72 39.7 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: 0.37 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

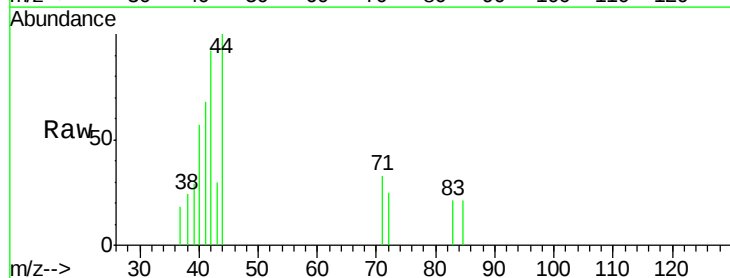
Tgt Ion: 42 Resp: 562

Ion Ratio Lower Upper

42 100

72 29.9 35.4 53.2#

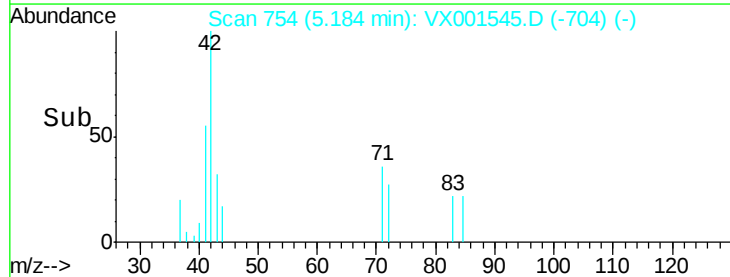
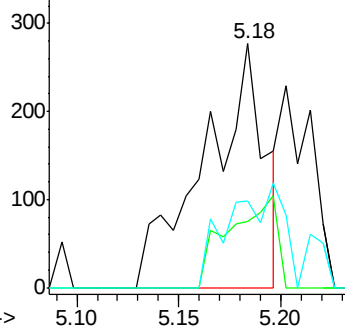
71 39.0 33.0 49.4

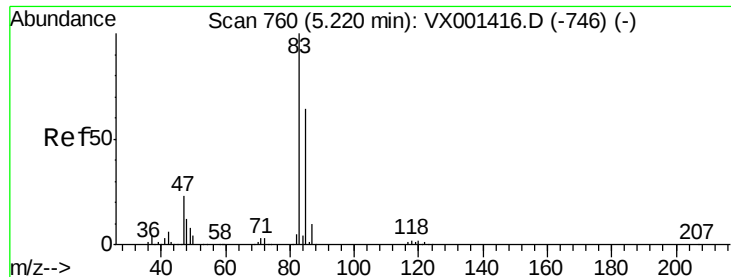


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

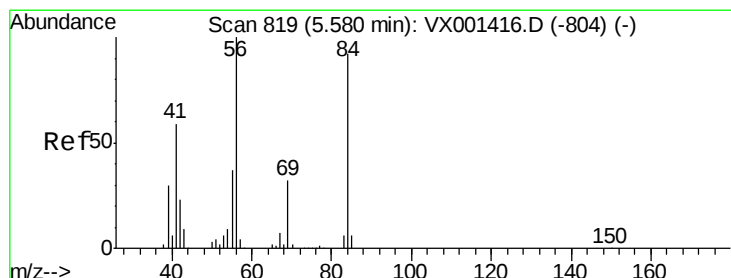
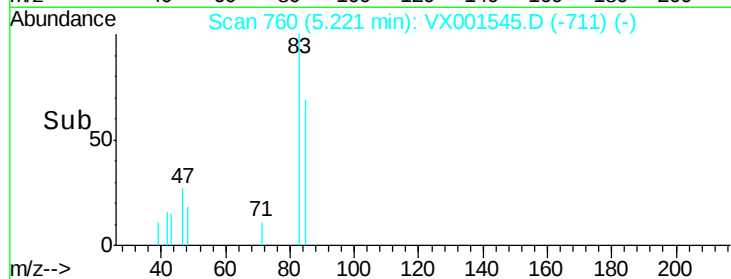
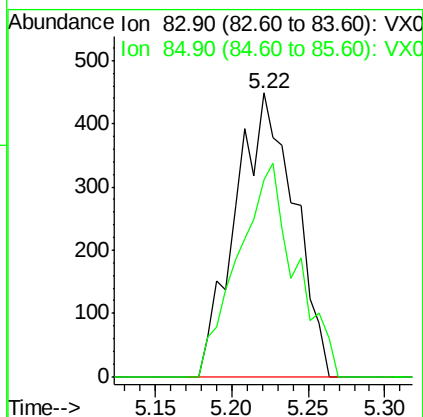
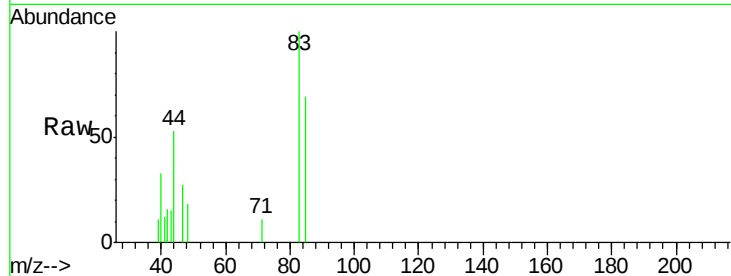




#30
Chloroform
Concen: 0.22 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001545.D
Acq: 09 May 2018 06:01

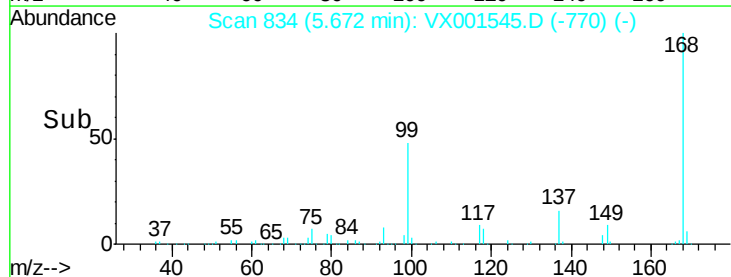
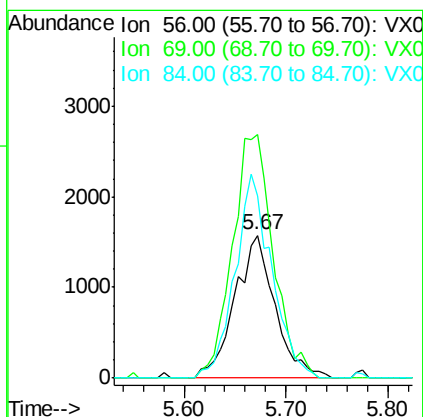
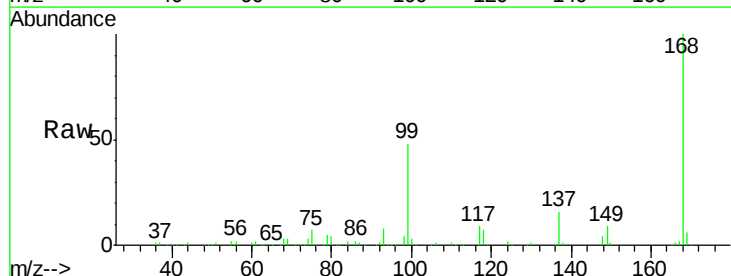
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BS-CONCRETE-RO-277

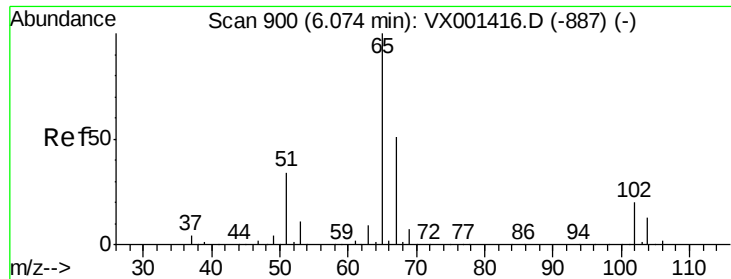
Tgt Ion: 83 Resp: 1198
Ion Ratio Lower Upper
83 100
85 69.4 51.0 76.4



#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001545.D
Acq: 09 May 2018 06:01

Tgt Ion: 56 Resp: 4316
Ion Ratio Lower Upper
56 100
69 170.6 25.4 38.0#
84 127.6 73.8 110.8#

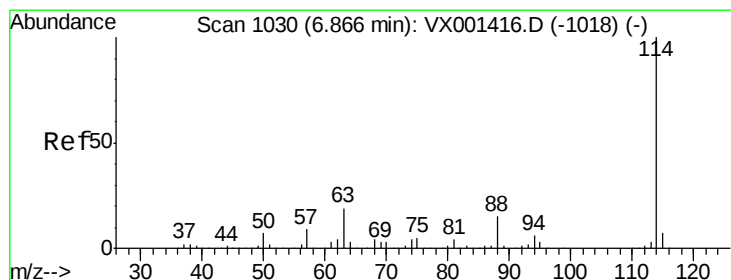
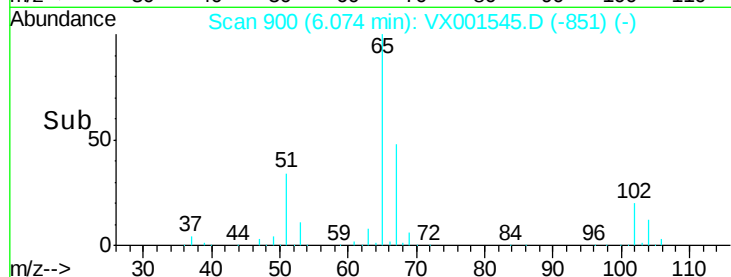
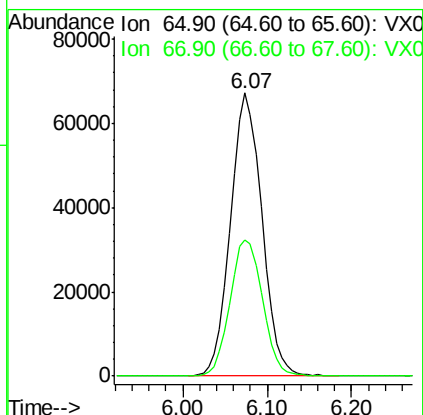
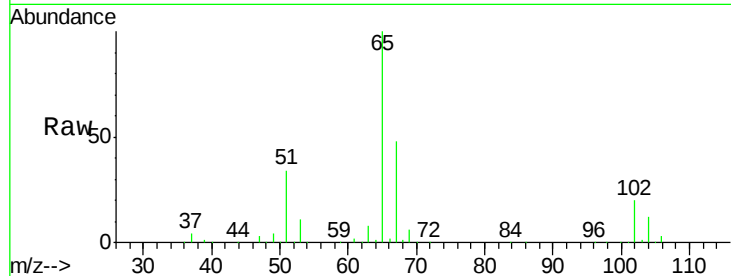




#33
 1,2-Dichloroethane-d4
 Concen: 47.08 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

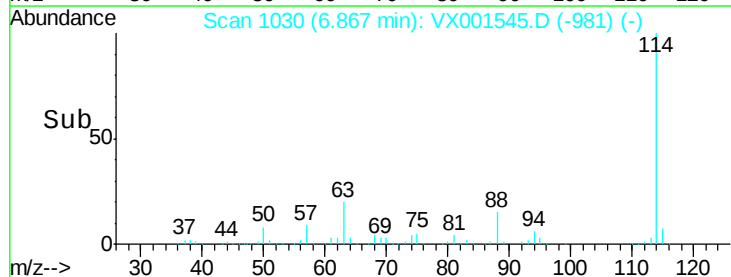
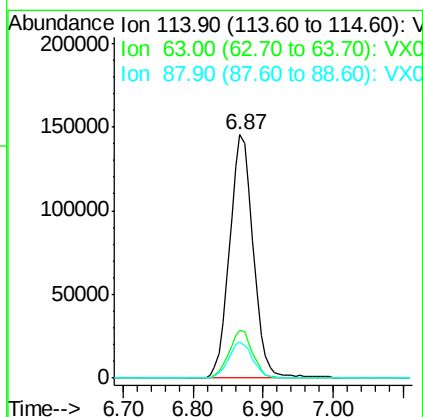
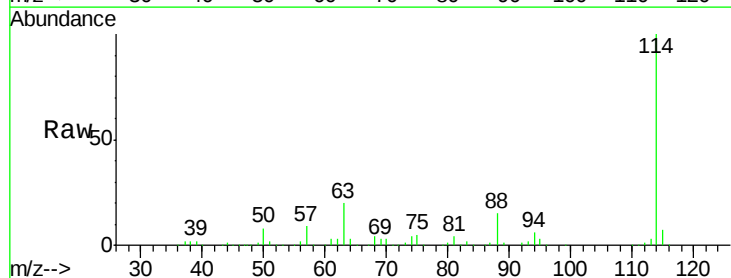
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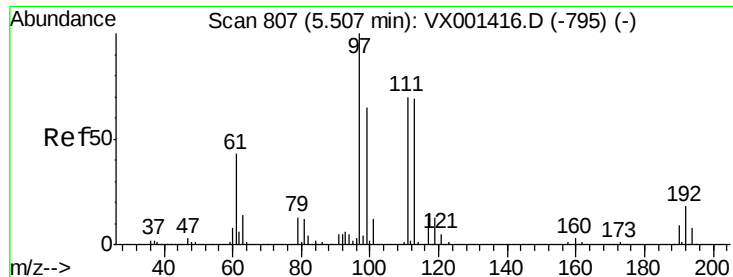
Tgt Ion: 65 Resp: 169915
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

Tgt Ion: 114 Resp: 342308
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.0 0.0 30.8

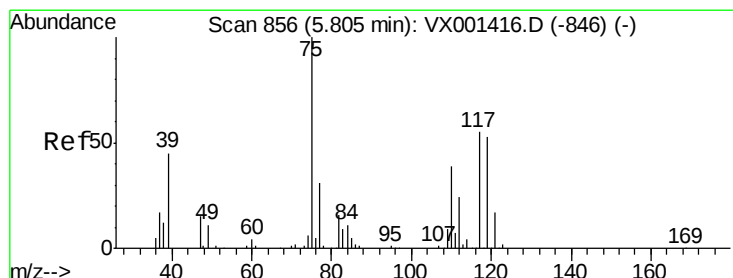
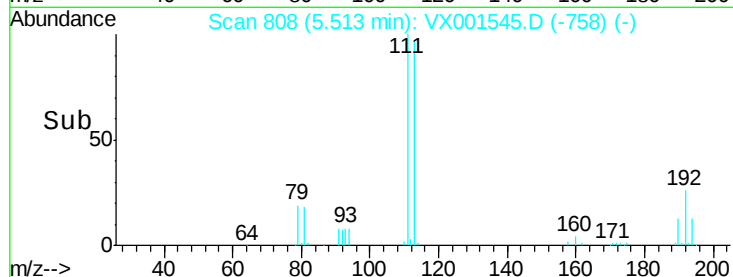
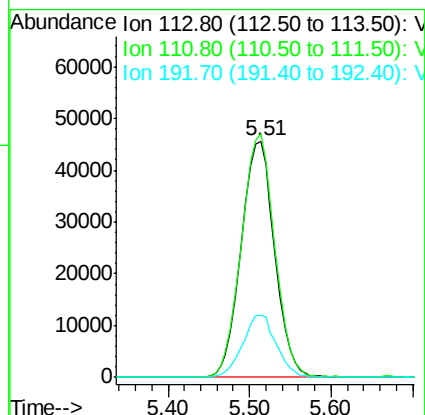
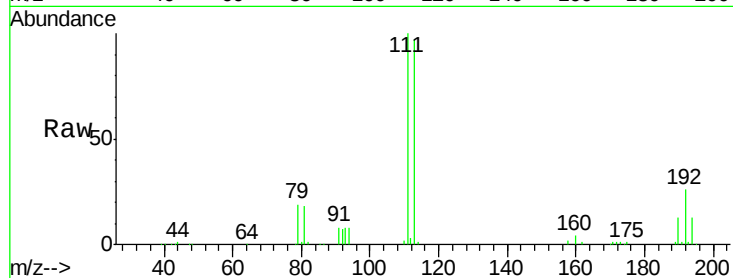




#35
 Dibromofluoromethane
 Concen: 42.76 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

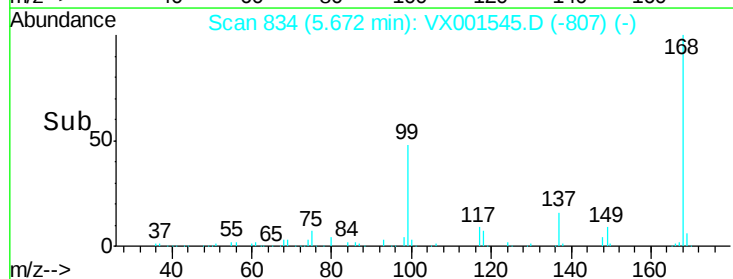
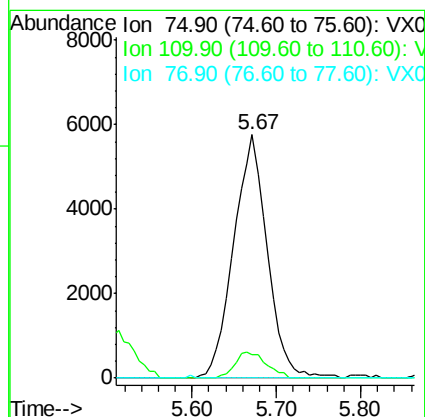
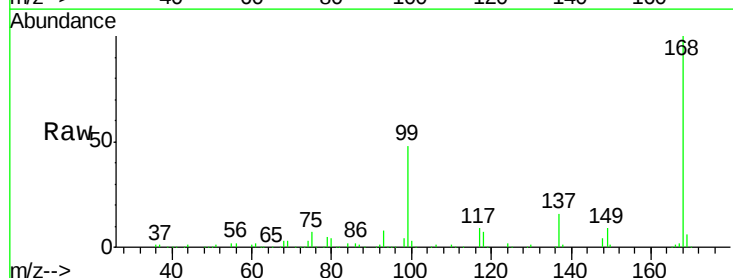
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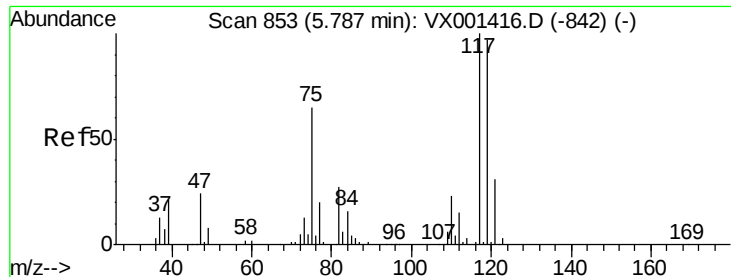
Tgt Ion:113 Resp: 130181
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 26.5 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.57 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

Tgt Ion: 75 Resp: 15534
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.77 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

BS-CONCRETE-RO-277

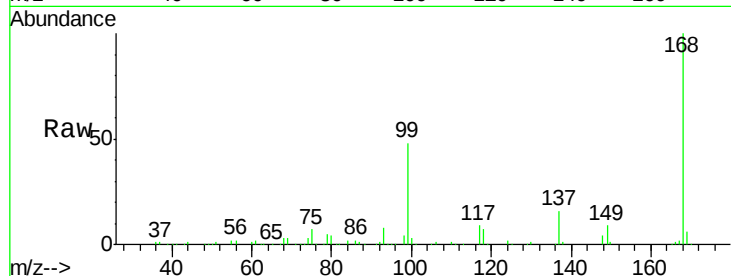
Tgt Ion: 117 Resp: 22129

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

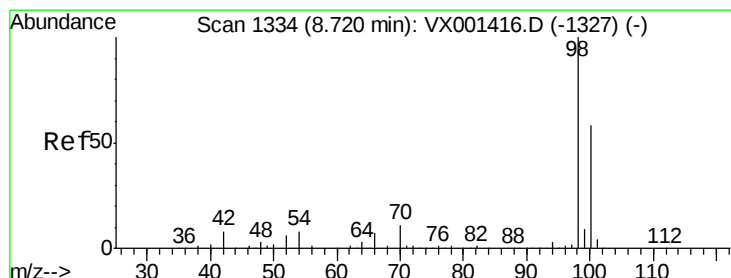
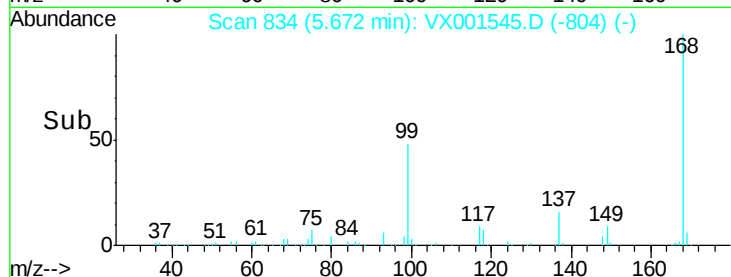
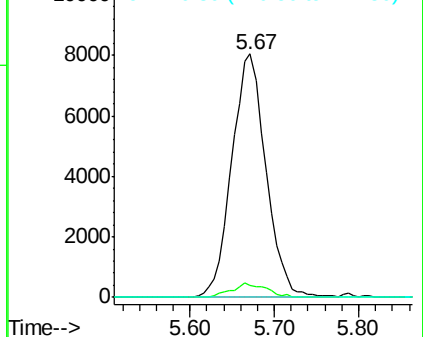
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 42.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001545.D

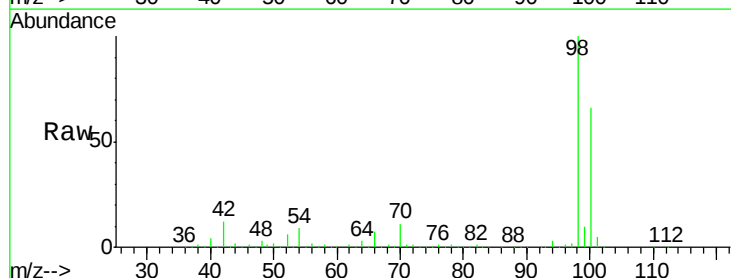
Acq: 09 May 2018 06:01

Tgt Ion: 98 Resp: 475782

Ion Ratio Lower Upper

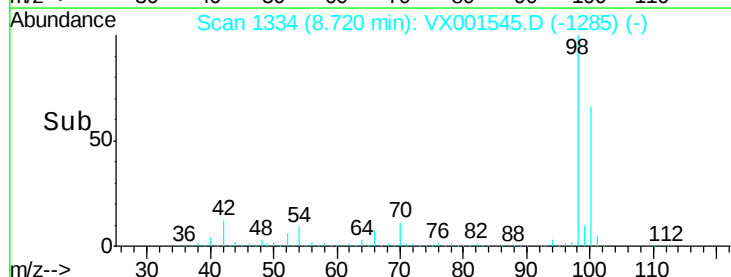
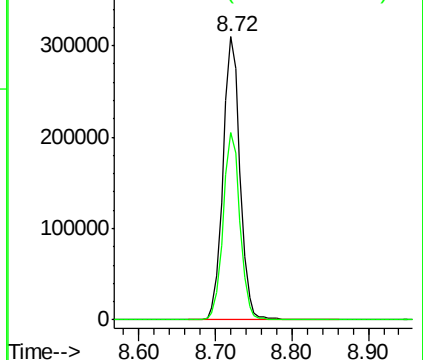
98 100

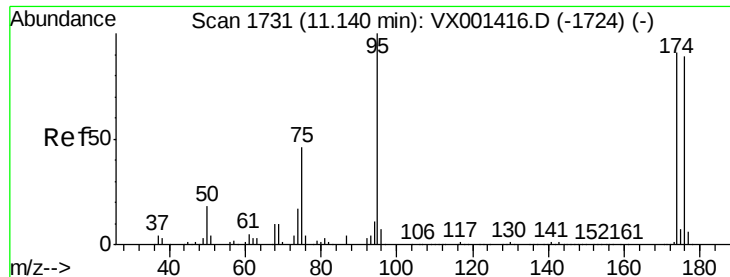
100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

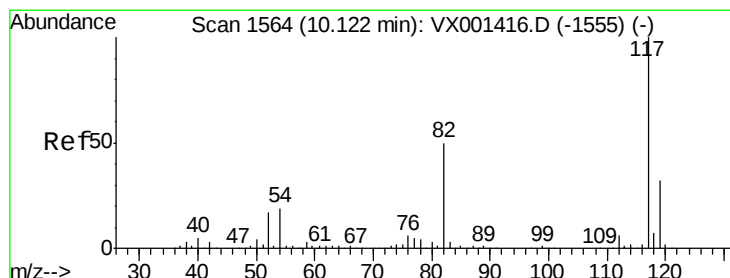
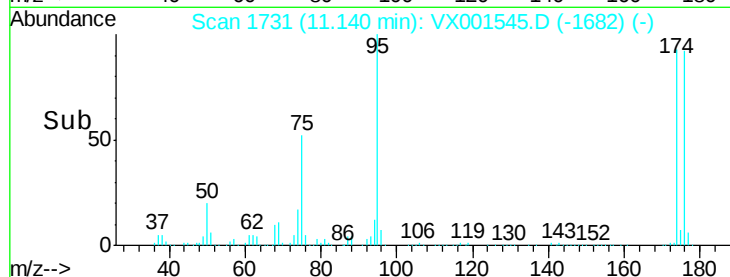
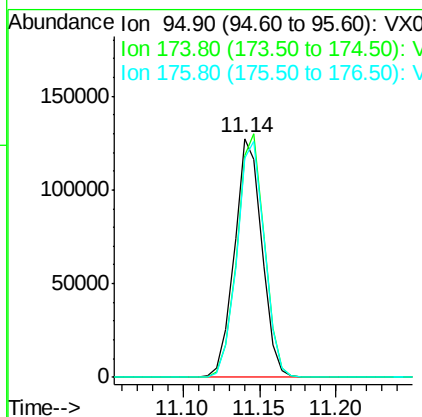
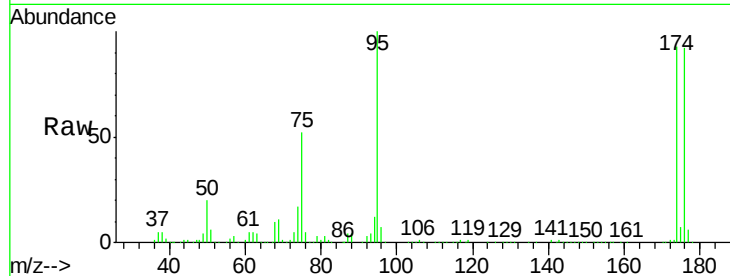




#62
 4-Bromofluorobenzene
 Concen: 36.91 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

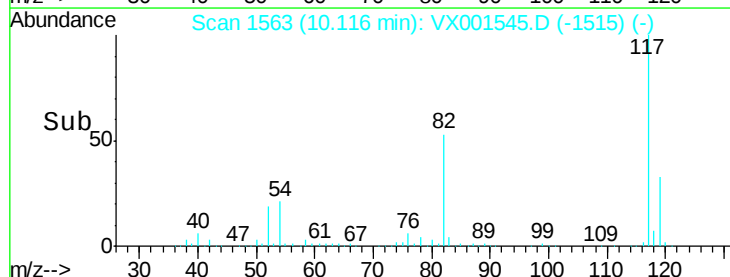
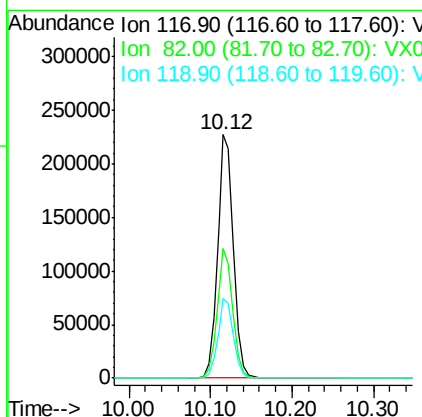
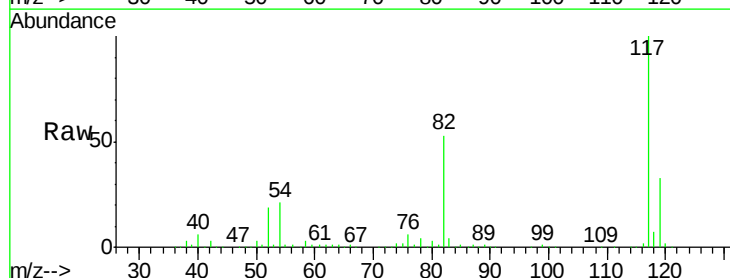
Instrument :
 MSVOA_X
 ClientSampleId :
 BS-CONCRETE-RO-277

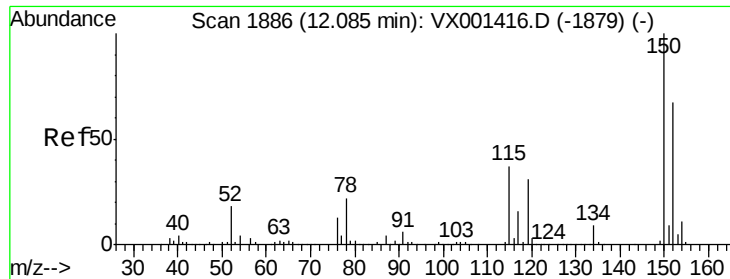
Tgt Ion: 95 Resp: 157476
 Ion Ratio Lower Upper
 95 100
 174 101.8 0.0 202.0
 176 99.8 0.0 197.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VX001545.D
 Acq: 09 May 2018 06:01

Tgt Ion: 117 Resp: 309285
 Ion Ratio Lower Upper
 117 100
 82 53.1 40.0 60.0
 119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

BS-CONCRETE-RO-277

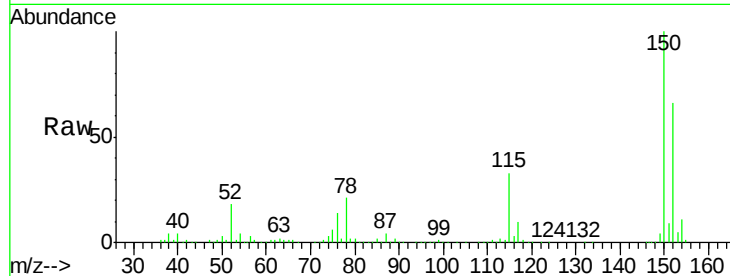
Tgt Ion:152 Resp: 177205

Ion Ratio Lower Upper

152 100

115 51.6 37.7 113.1

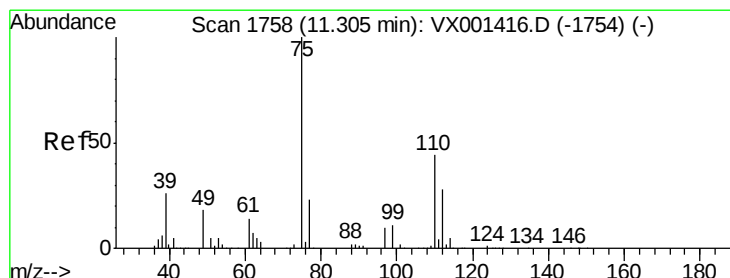
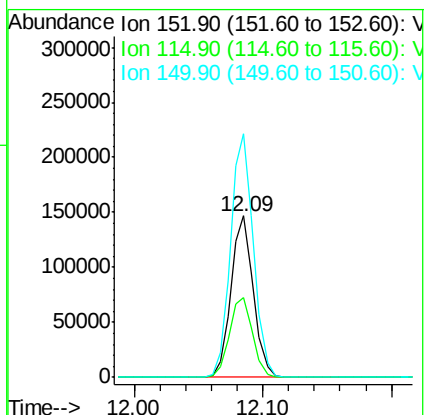
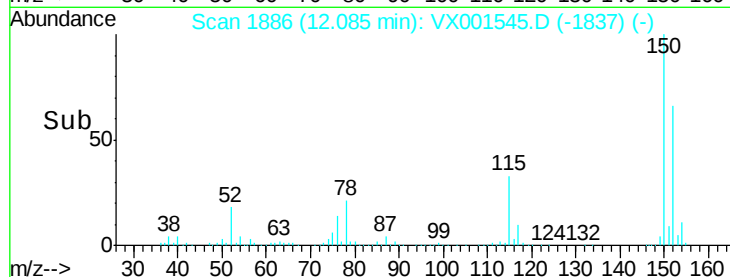
150 154.5 0.0 349.4



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: 22.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001545.D

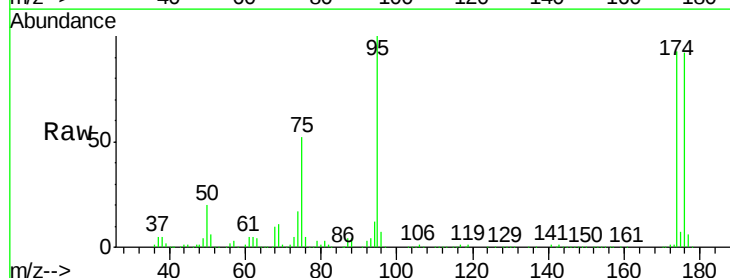
Acq: 09 May 2018 06:01

Tgt Ion: 75 Resp: 81057

Ion Ratio Lower Upper

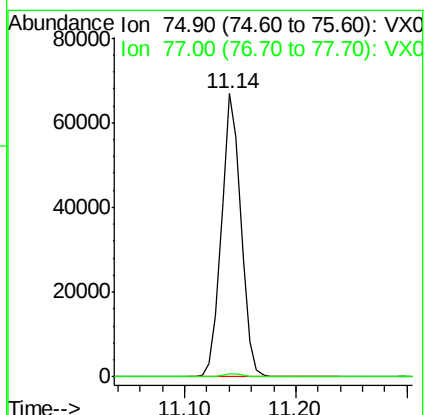
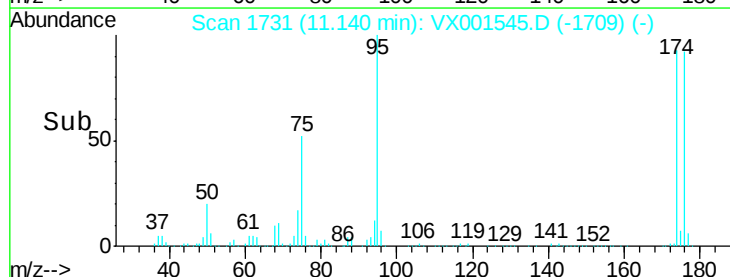
75 100

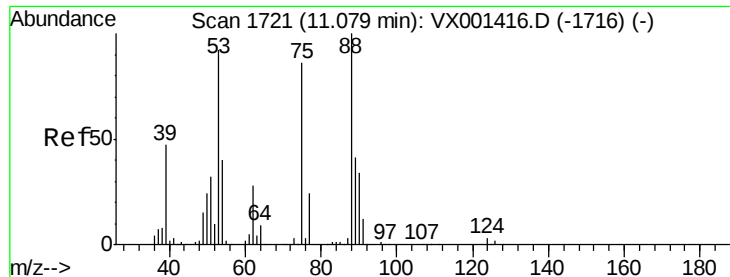
77 1.2 19.6 58.7#



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: 70.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

BS-CONCRETE-RO-277

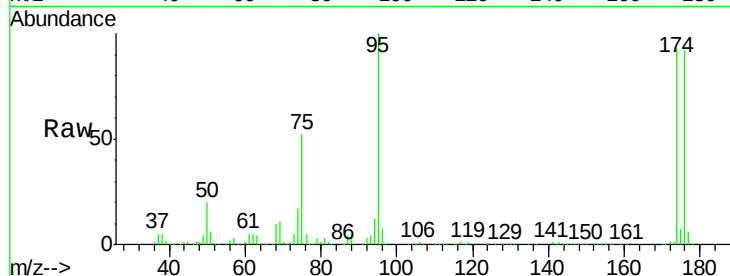
Tgt Ion: 75 Resp: 81057

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

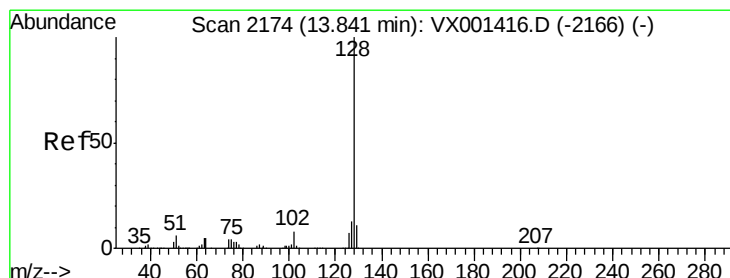
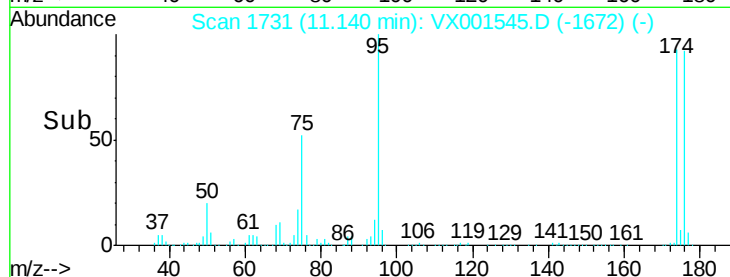
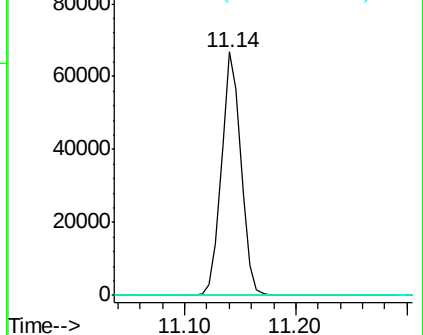
89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VX001545.D (-1672) (-)

Ion 53.00 (52.70 to 53.70): VX001545.D (-1672) (-)

Ion 88.90 (88.60 to 89.60): VX001545.D (-1672) (-)



#95

Naphthalene

Concen: 2.55 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001545.D

Acq: 09 May 2018 06:01

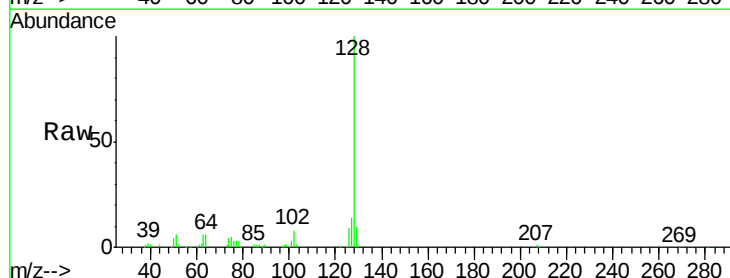
Tgt Ion: 128 Resp: 33488

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VX001545.D (-2125) (-)

Ion 127.00 (126.70 to 127.70): VX001545.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VX001545.D (-2125) (-)

