

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006043.D
 Acq On : 16 Nov 2018 12:15
 Operator : JC/MD
 Sample : J5965-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB111518

Quant Time: Nov 17 00:41:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	153021	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	214364	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	205503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105037	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	84125	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
35) Dibromofluoromethane	5.50	113	70477	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.71	98	232681	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.14	95	85604	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	

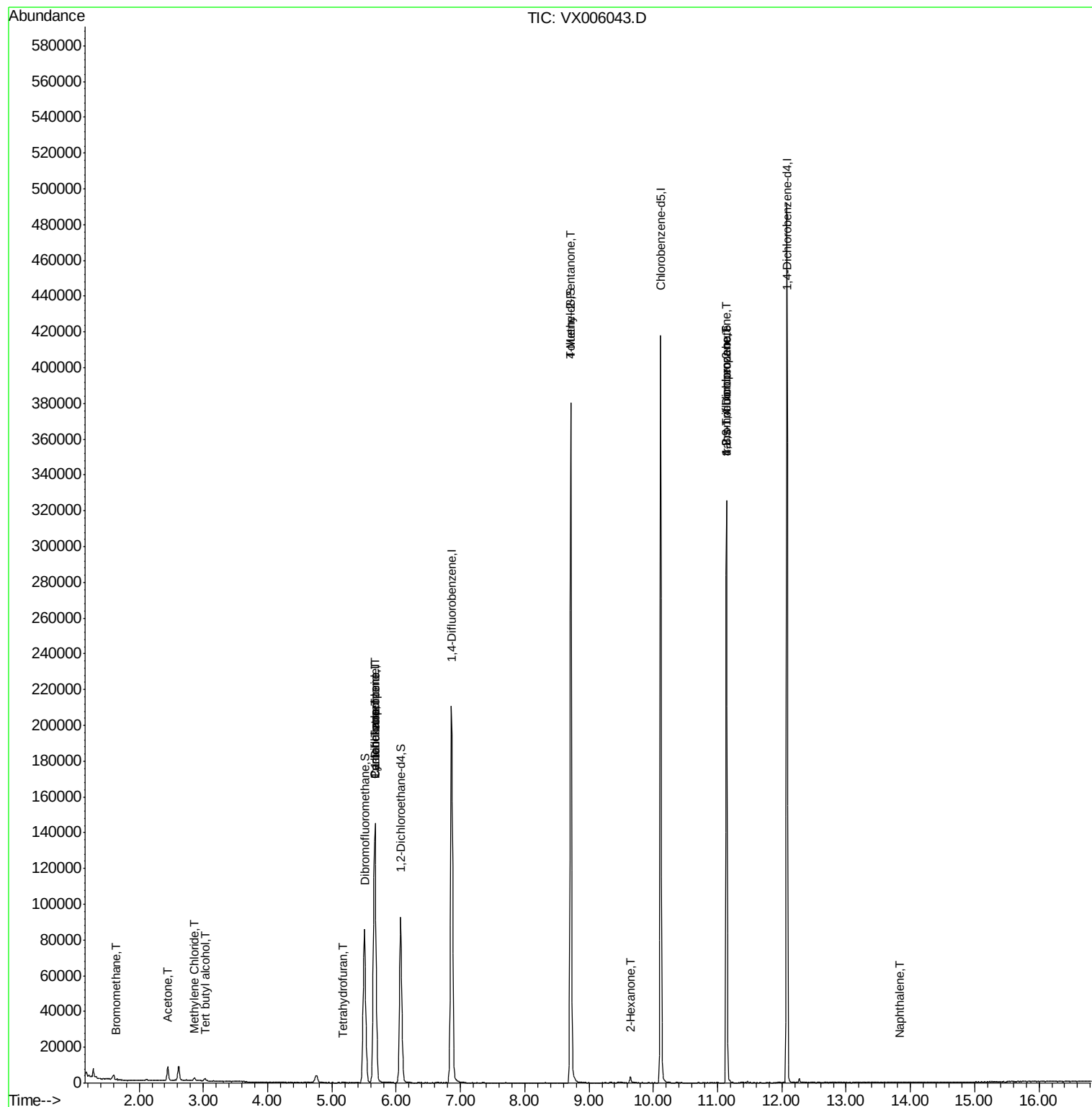
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	229	0.206	ug/l	84
11) Tert butyl alcohol	3.03	59	898	1.782	ug/l #	72
16) Acetone	2.45	43	8077	8.527	ug/l	93
18) Methyl Acetate	2.79	43	289	Below Cal	#	55
20) Methylene Chloride	2.86	84	676	0.434	ug/l	89
29) Tetrahydrofuran	5.18	42	230	0.241	ug/l #	36
31) Cyclohexane	5.67	56	2427	0.990	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	10003	4.841	ug/l #	49
38) Carbon Tetrachloride	5.67	117	13216	6.388	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	965	0.389	ug/l #	1
59) 2-Hexanone	9.64	43	2004	0.916	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	40953	19.148	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	40953	61.027	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	154	Below Cal	#	31
95) Naphthalene	13.83	128	184	1.201	ug/l #	69

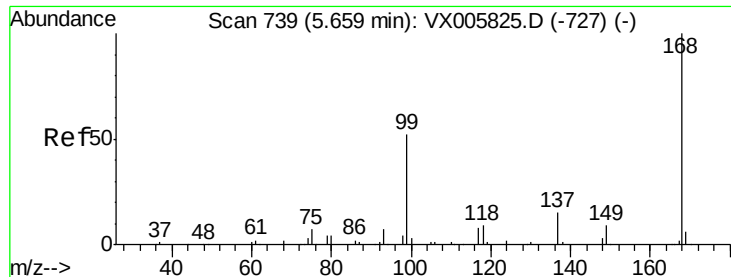
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX006043.D

Acq: 16 Nov 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

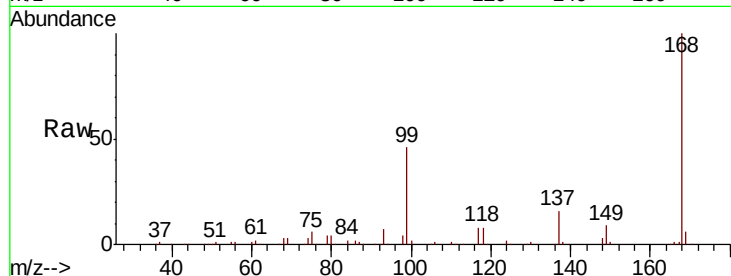
FB111518

Tot Ion:168 Resp: 153021

Ion Ratio Lower Upper

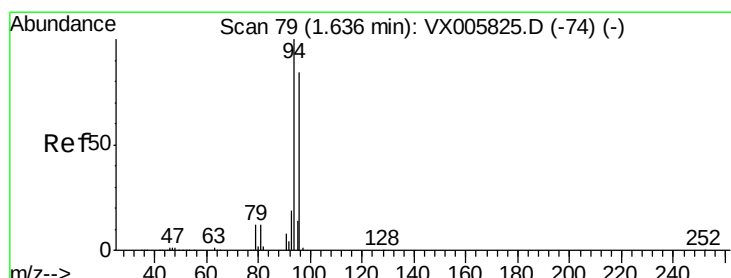
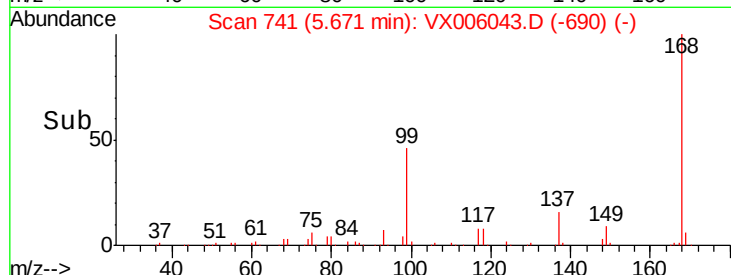
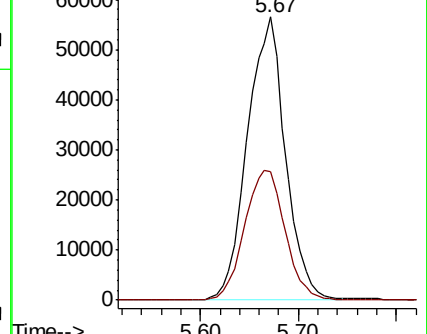
168 100

99 45.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.206 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006043.D

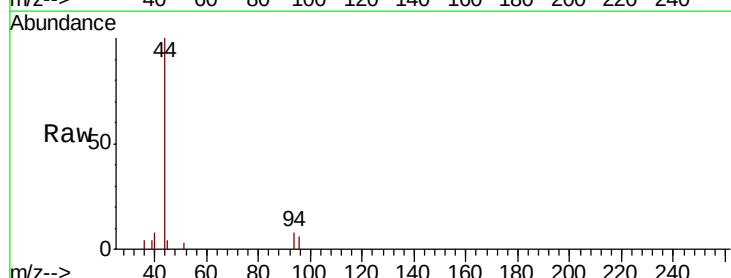
Acq: 16 Nov 2018 12:15

Tgt Ion: 94 Resp: 229

Ion Ratio Lower Upper

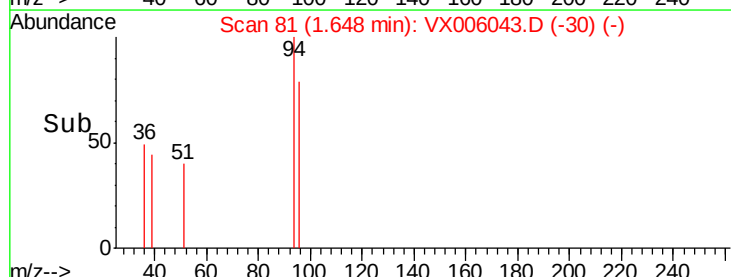
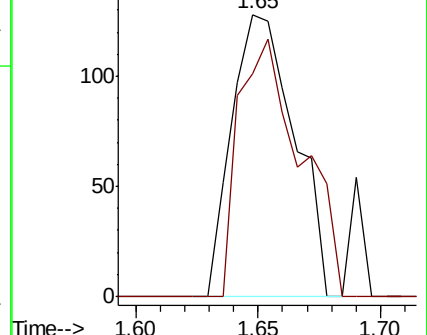
94 100

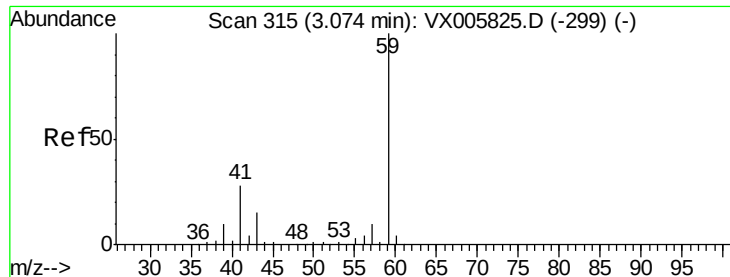
96 78.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

150 Ion 95.90 (95.60 to 96.60): VX0



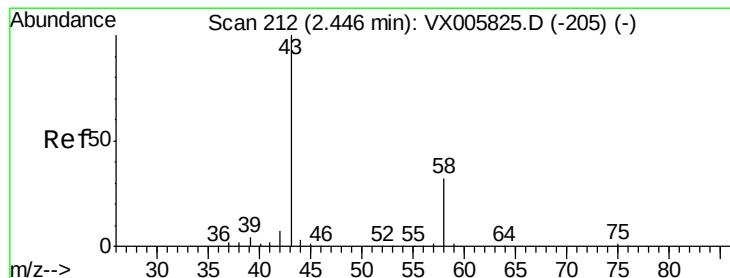
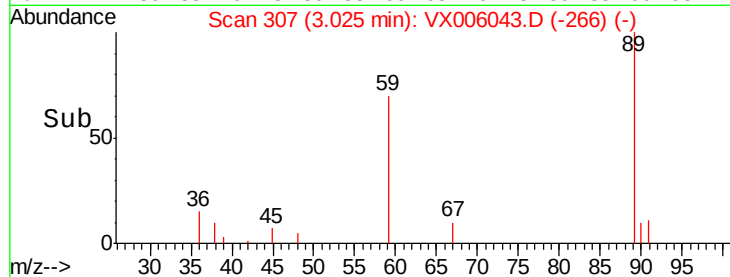
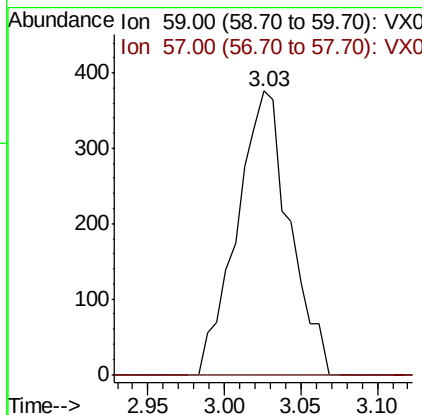
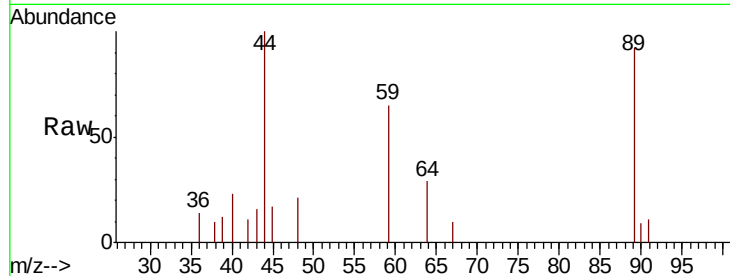


#11

Tert butyl alcohol
 Concen: 1.782 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 FB111518

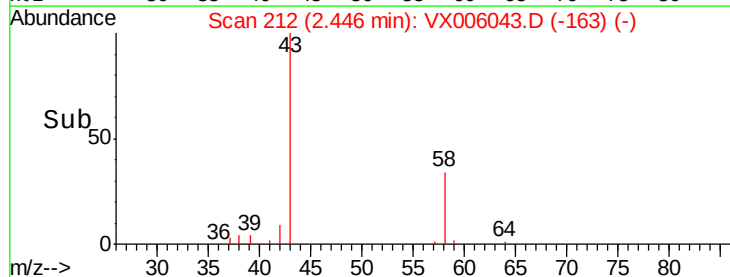
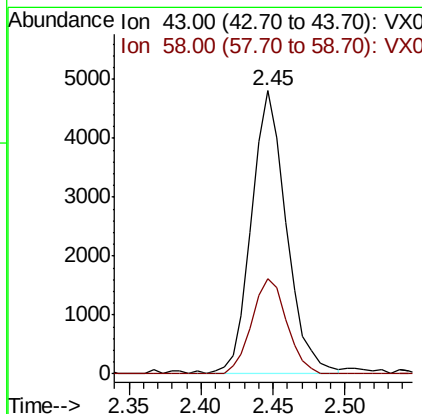
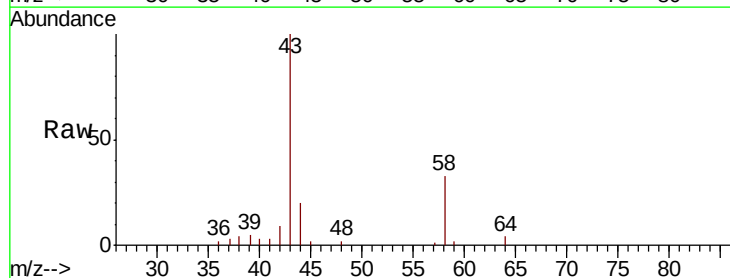
Tot Ion: 59 Resp: 898
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

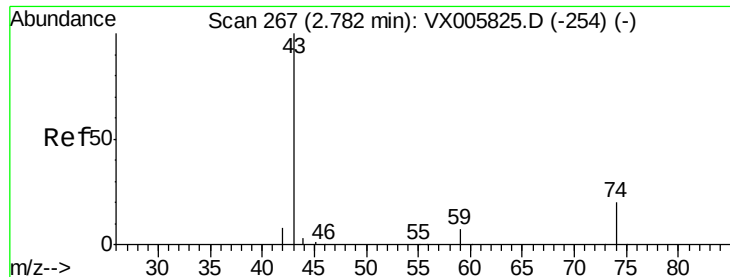


#16

Acetone
 Concen: 8.527 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

Tgt Ion: 43 Resp: 8077
 Ion Ratio Lower Upper
 43 100
 58 33.5 23.8 35.6





#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX006043.D

Acq: 16 Nov 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

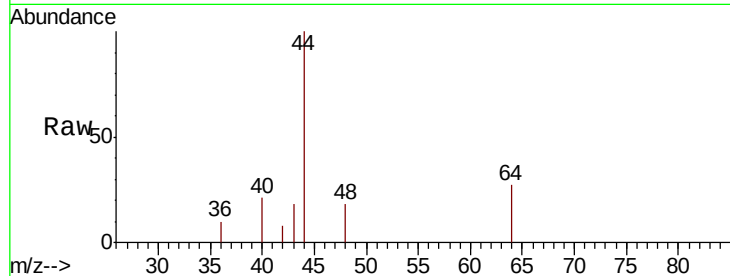
FB111518

Tot Ion: 43 Resp: 289

Ion Ratio Lower Upper

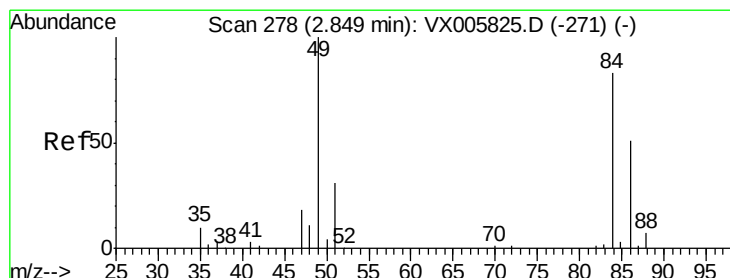
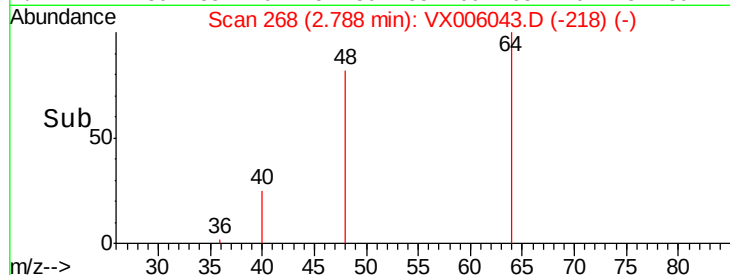
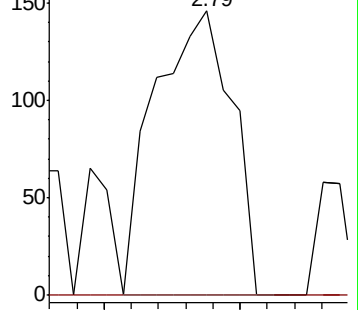
43 100

74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.434 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX006043.D

Acq: 16 Nov 2018 12:15

Tgt Ion: 84 Resp: 676

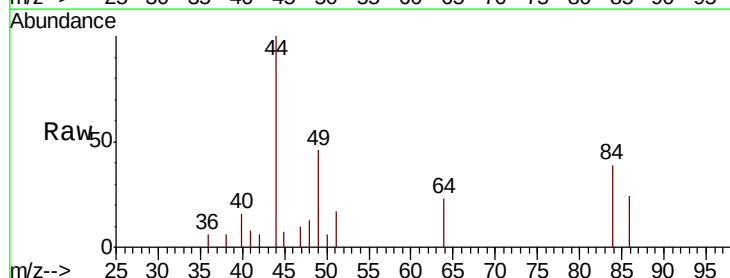
Ion Ratio Lower Upper

84 100

49 119.5 109.5 164.3

51 44.7 33.3 49.9

86 60.8 52.7 79.1

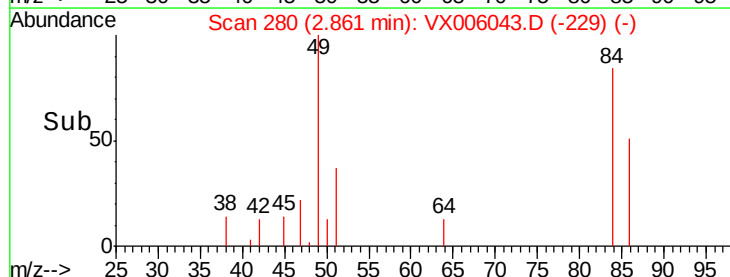
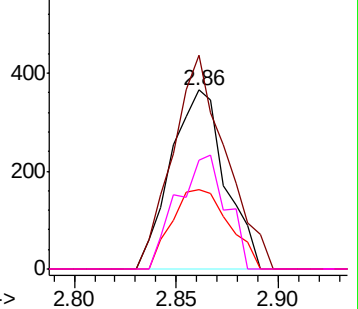


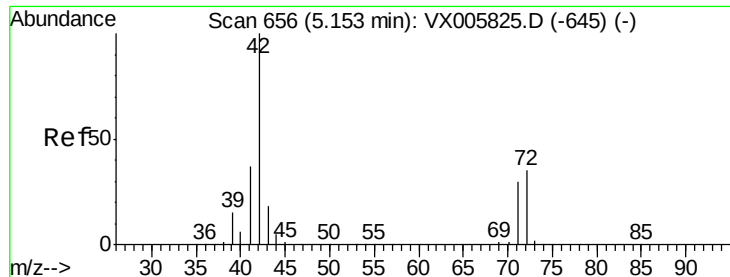
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

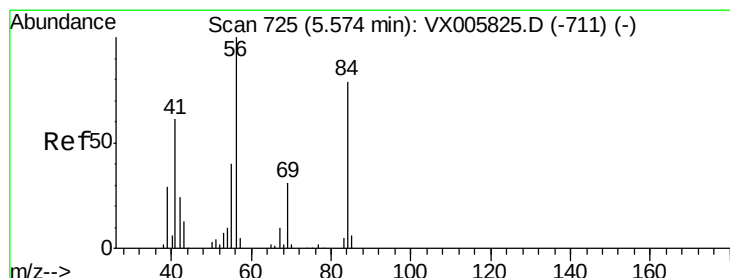
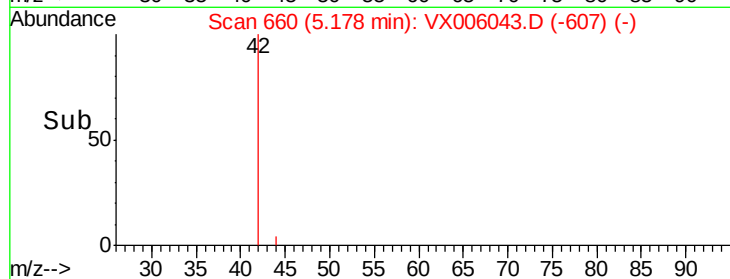
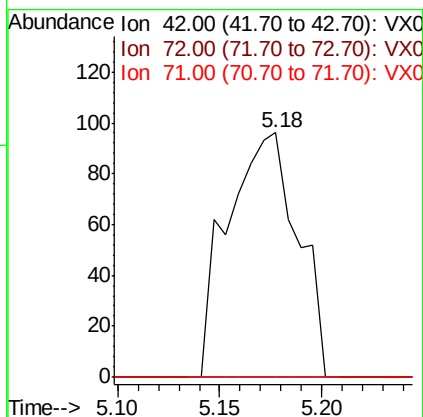
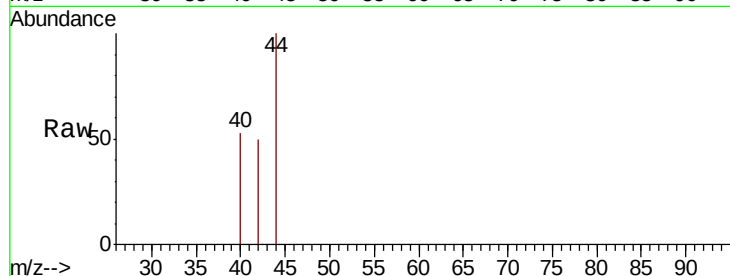




#29
Tetrahydrofuran
Concen: 0.241 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX006043.D
Acq: 16 Nov 2018 12:15

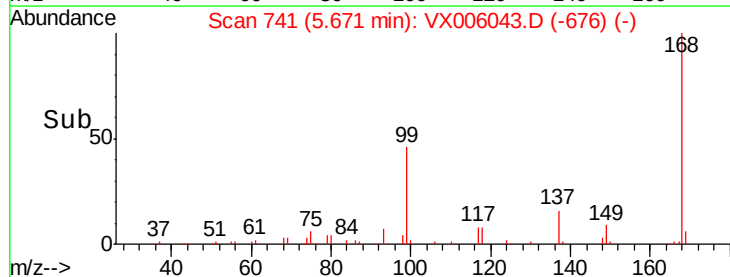
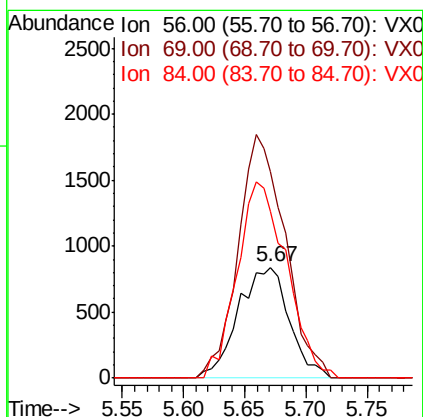
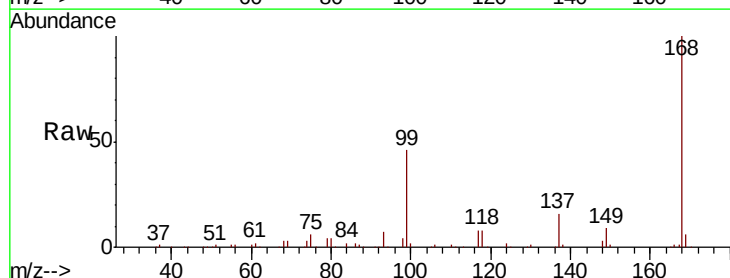
Instrument :
MSVOA_X
ClientSampleId :
FB111518

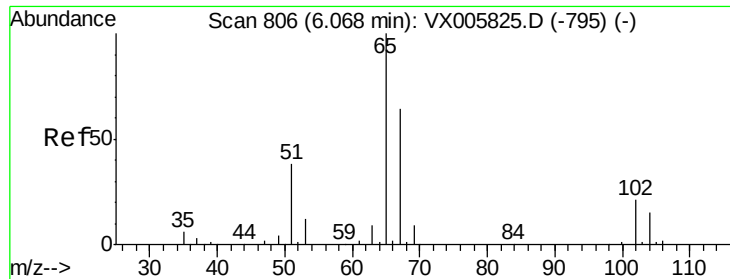
Tot Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 29.8 44.8#



#31
Cyclohexane
Concen: 0.990 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX006043.D
Acq: 16 Nov 2018 12:15

Tgt Ion: 56 Resp: 2427
Ion Ratio Lower Upper
56 100
69 185.4 22.6 34.0#
84 150.6 62.7 94.1#

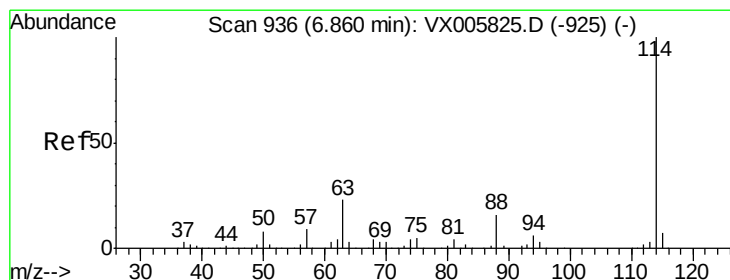
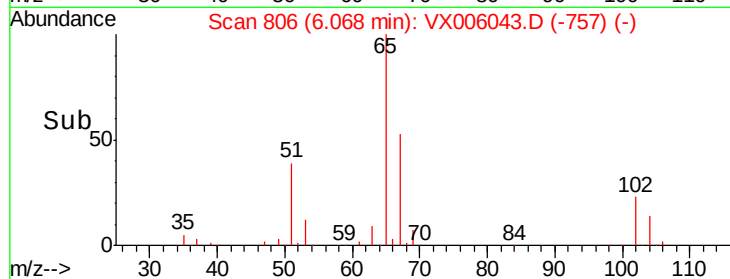
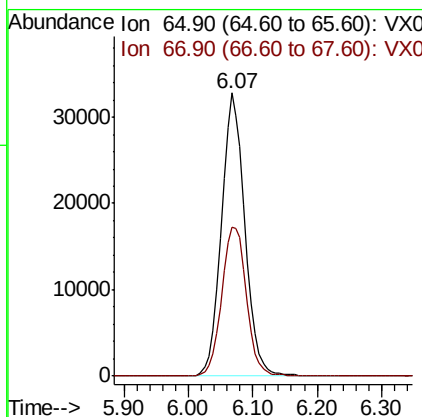
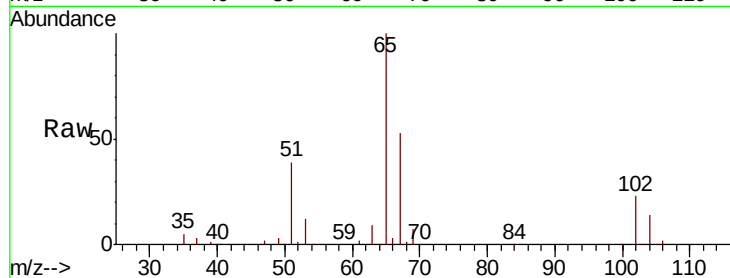




#33
 1,2-Dichloroethane-d4
 Concen: 47.821 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

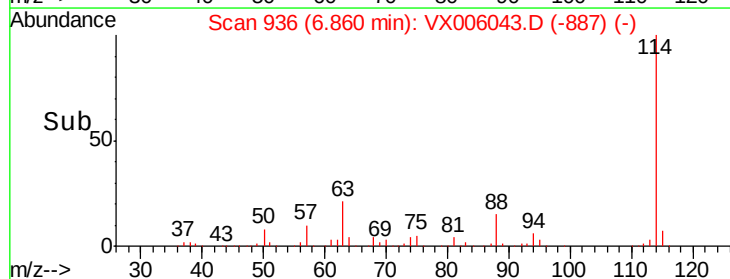
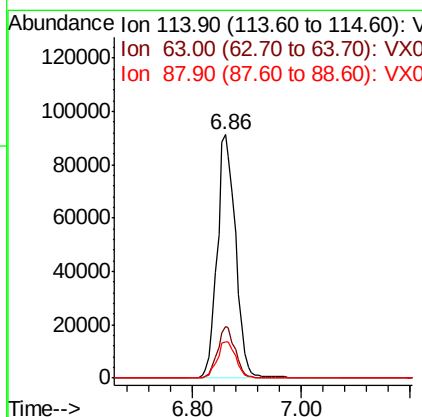
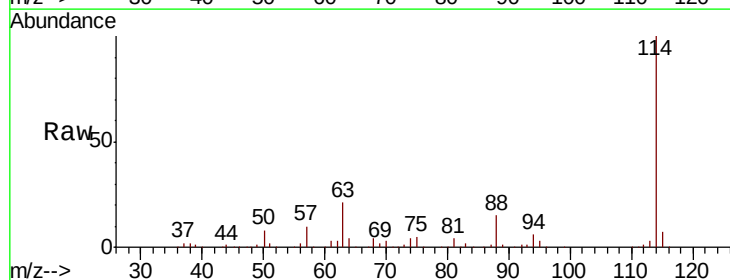
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 ClientSampleId :
 FB111518

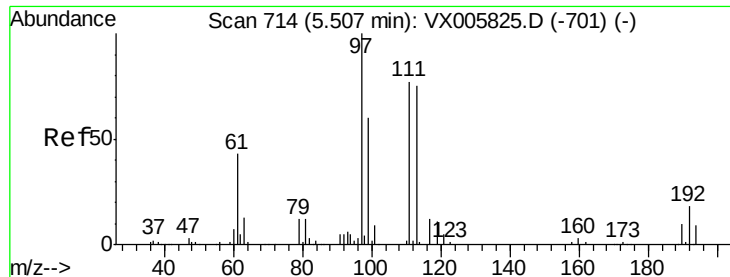
Tot Ion: 65 Resp: 84125
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

Tgt Ion: 114 Resp: 214364
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 15.1 0.0 31.2

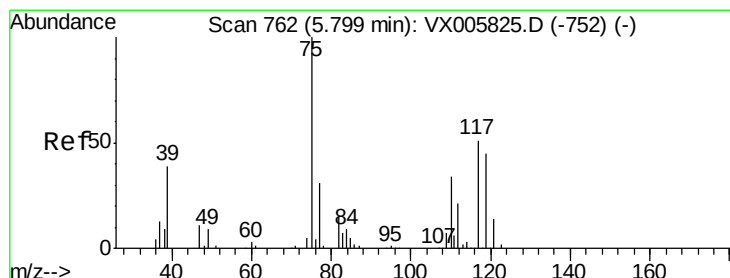
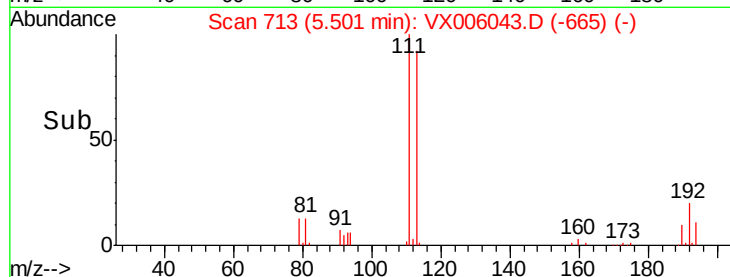
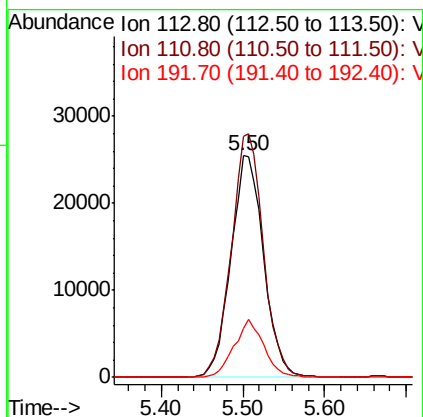
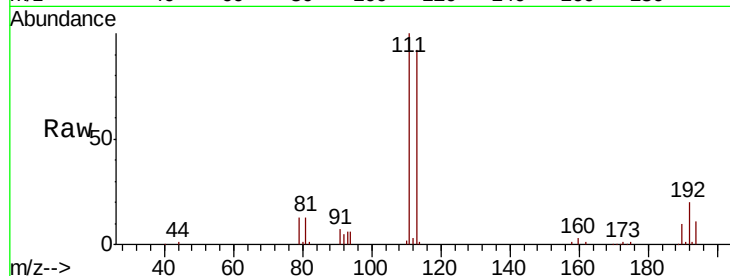




#35
 Dibromofluoromethane
 Concen: 48.338 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

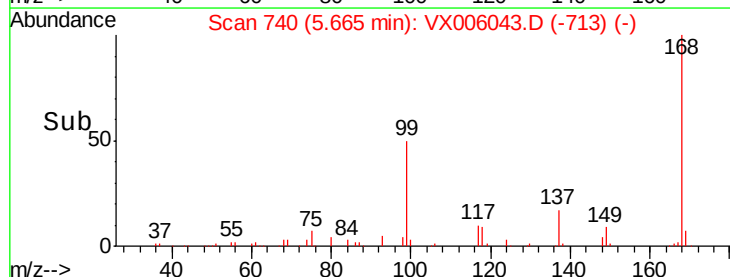
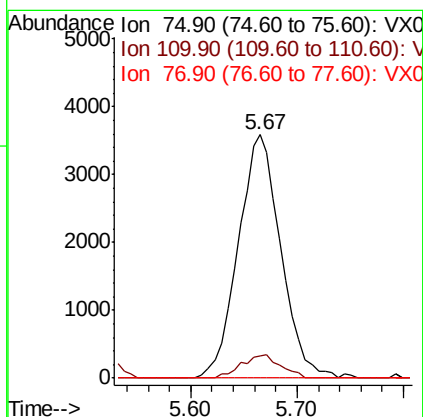
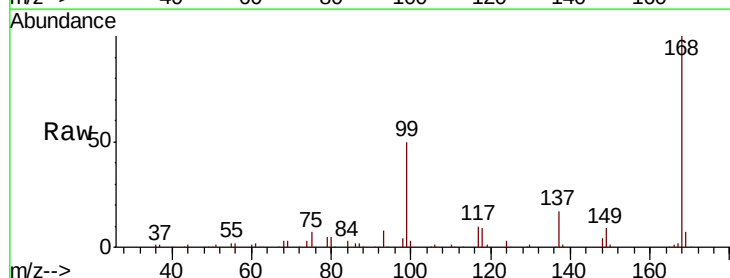
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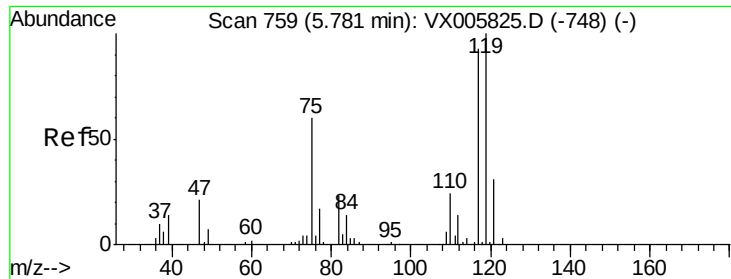
Tot Ion:113 Resp: 70477
 Ion Ratio Lower Upper
 113 100
 111 107.8 82.3 123.5
 192 23.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.841 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

Tgt Ion: 75 Resp: 10003
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.4 52.2#
 77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.388 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006043.D

Acq: 16 Nov 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

FB111518

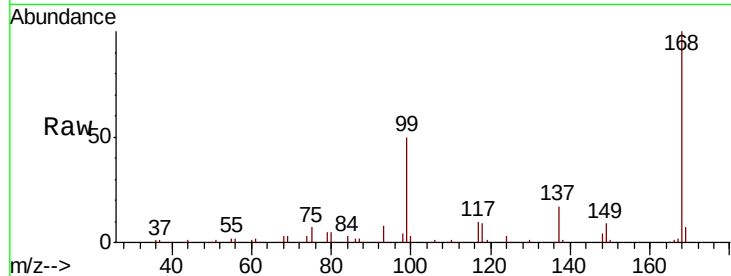
Tot Ion:117 Resp: 13216

Ion Ratio Lower Upper

117 100

119 6.5 78.1 117.1#

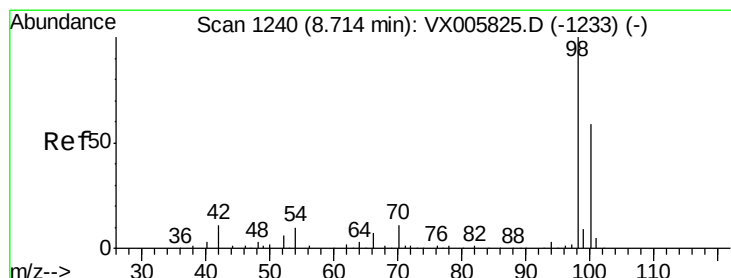
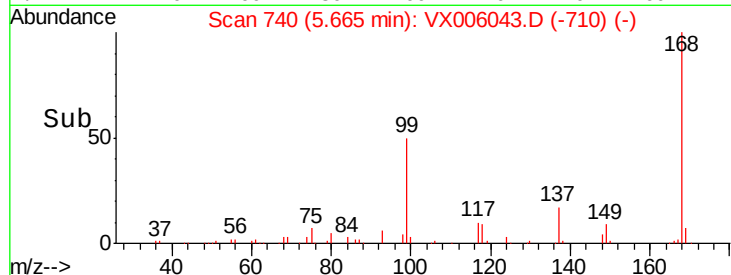
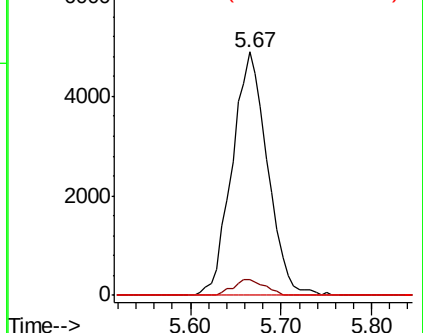
121 0.0 24.6 36.8#



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: 48.003 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006043.D

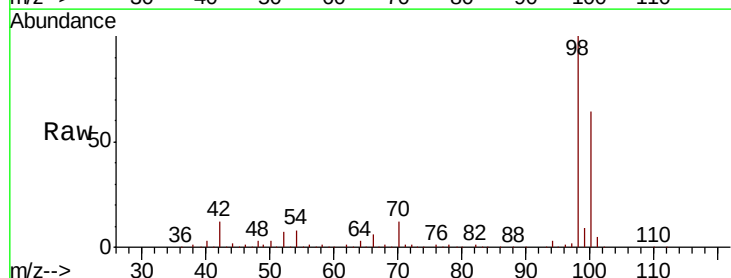
Acq: 16 Nov 2018 12:15

Tgt Ion: 98 Resp: 232681

Ion Ratio Lower Upper

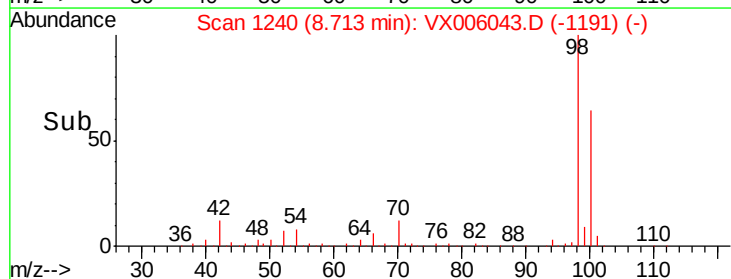
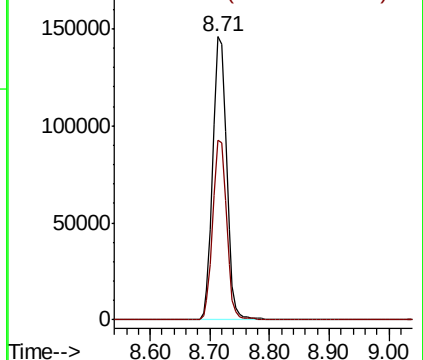
98 100

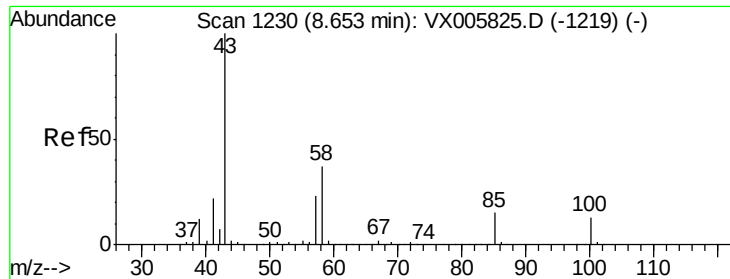
100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

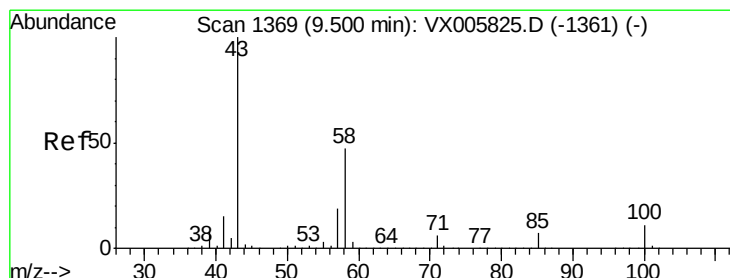
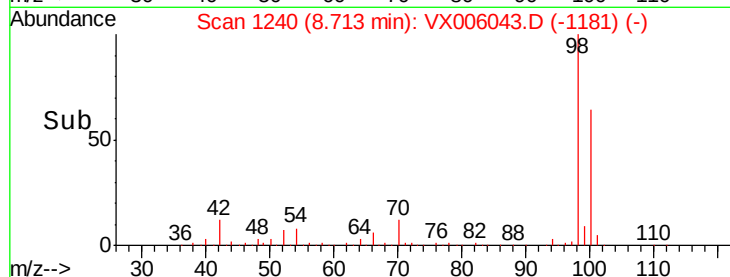
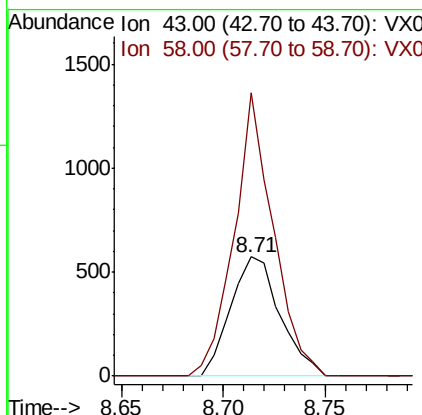
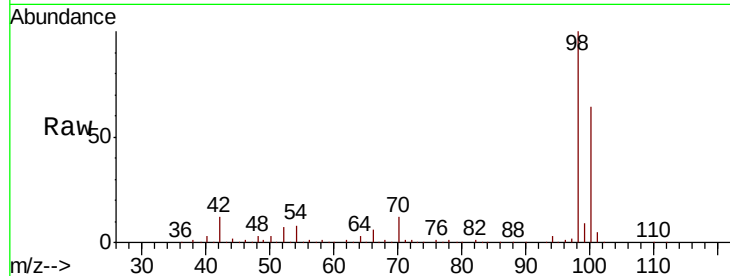




#51
 4-Methyl-2-Pentanone
 Concen: 0.389 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.06 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

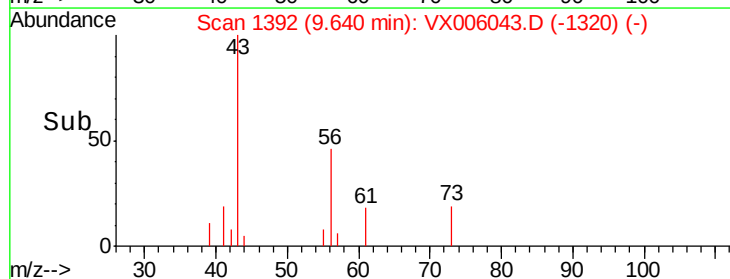
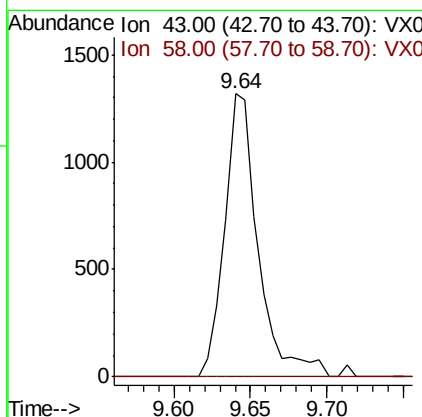
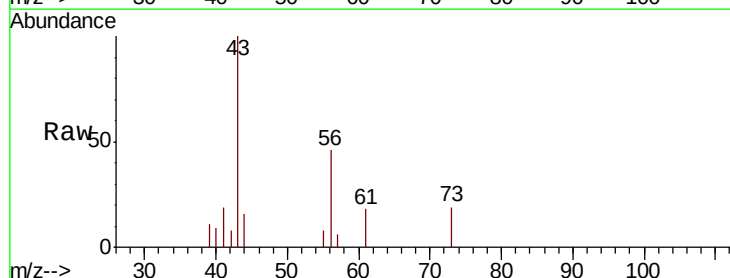
Instrument :
 MSVOA_X
 ClientSampleID :
 FB111518

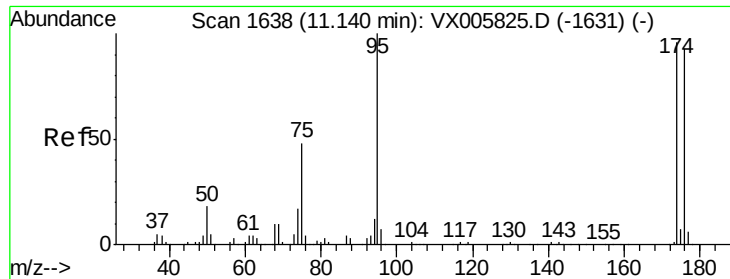
Tot Ion: 43 Resp: 965
 Ion Ratio Lower Upper
 43 100
 58 187.7 29.7 44.5#



#59
 2-Hexanone
 Concen: 0.916 ug/l
 RT: 9.64 min Scan# 1392
 Delta R.T. 0.14 min
 Lab File: VX006043.D
 Acq: 16 Nov 2018 12:15

Tgt Ion: 43 Resp: 2004
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.8#

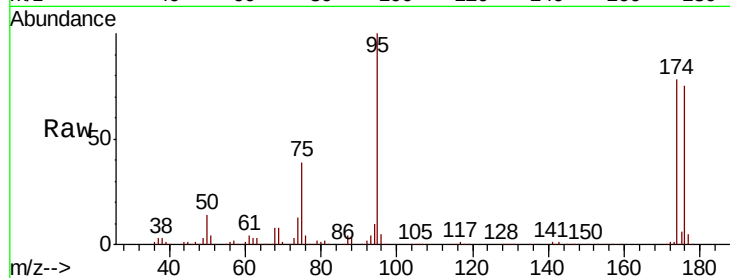




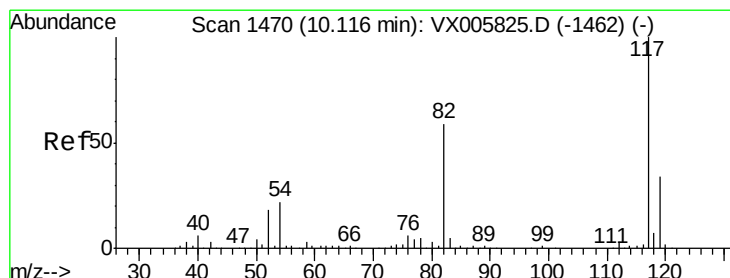
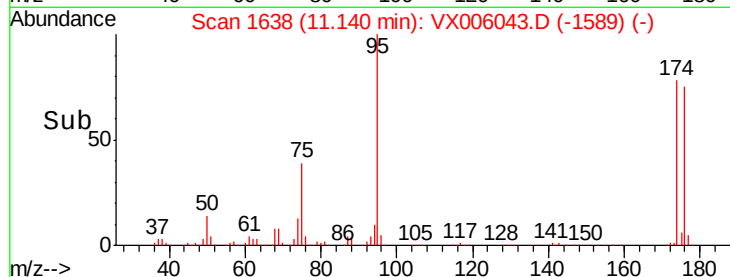
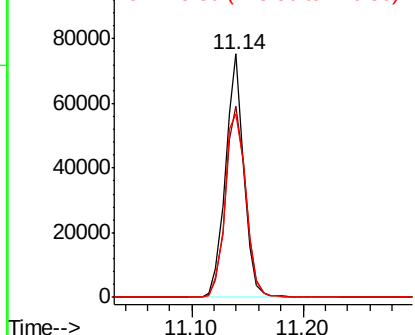
#62
4-Bromofluorobenzene
Concen: 49.120 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006043.D
Acq: 16 Nov 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
FB111518

Tot Ion: 95 Resp: 85604
Ion Ratio Lower Upper
95 100
174 86.9 0.0 184.4
176 86.6 0.0 177.4

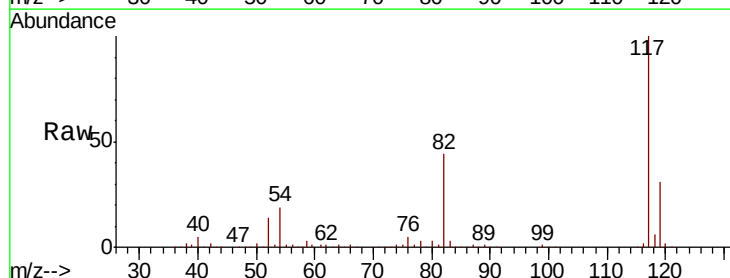


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

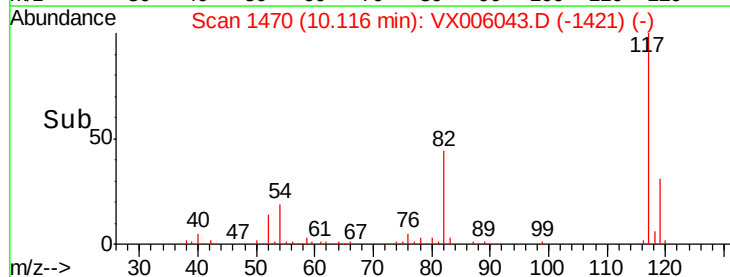
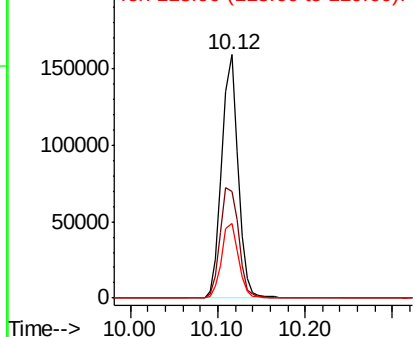


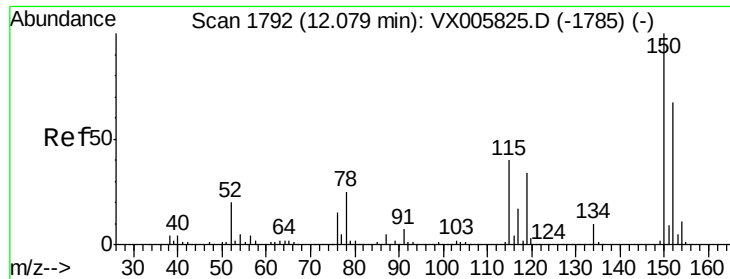
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006043.D
Acq: 16 Nov 2018 12:15

Tgt Ion: 117 Resp: 205503
Ion Ratio Lower Upper
117 100
82 43.8 44.1 66.1#
119 30.7 26.2 39.2



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



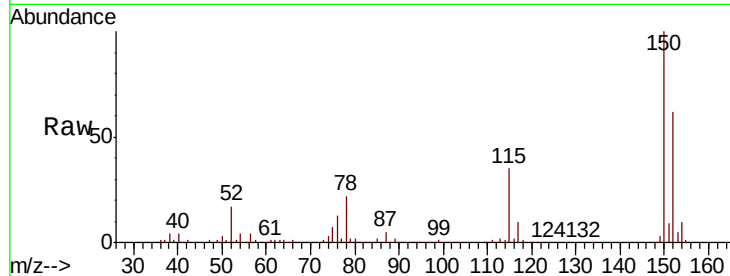


#72

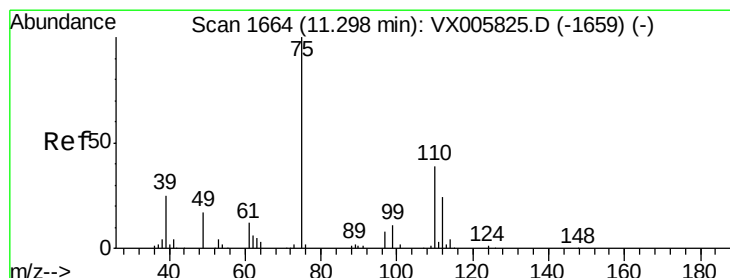
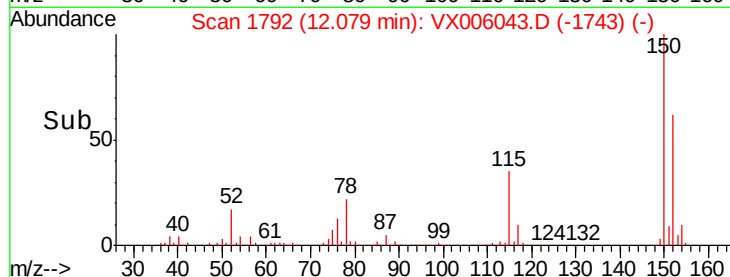
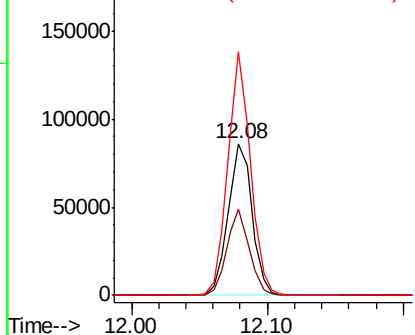
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006043.D
Acq: 16 Nov 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
FB111518

Tot Ion:152 Resp: 105037
Ion Ratio Lower Upper
152 100
115 53.0 39.4 118.1
150 152.2 0.0 346.4



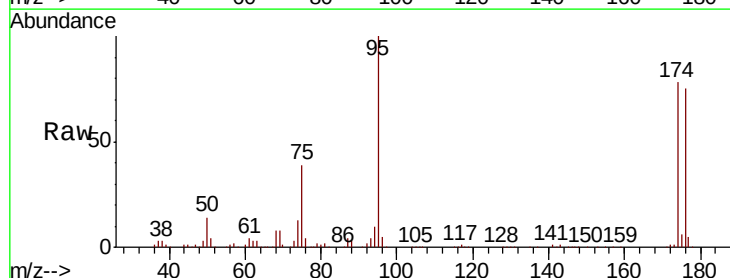
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



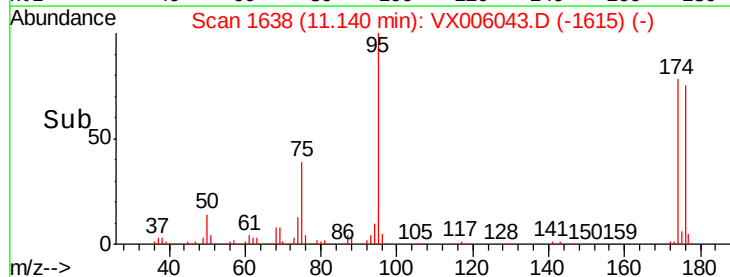
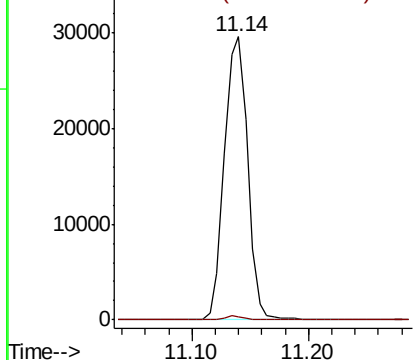
#76

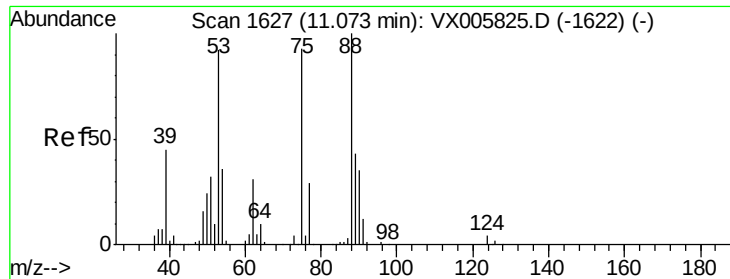
1,2,3-Trichloropropane
Concen: 19.148 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX006043.D
Acq: 16 Nov 2018 12:15

Tgt Ion: 75 Resp: 40953
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.6#



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: 61.027 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006043.D

Acq: 16 Nov 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

FB111518

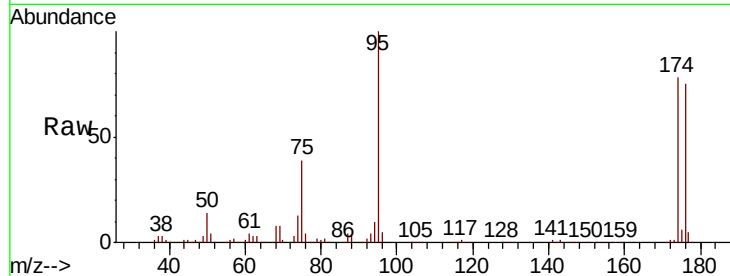
Tot Ion: 75 Resp: 40953

Ion Ratio Lower Upper

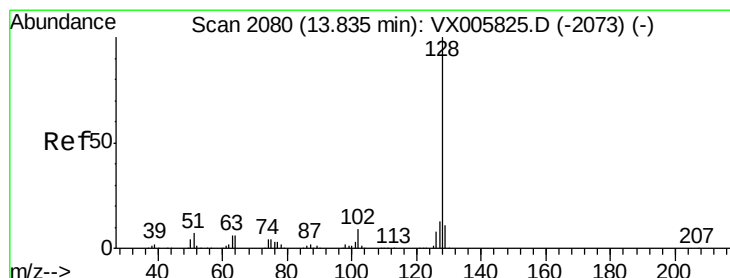
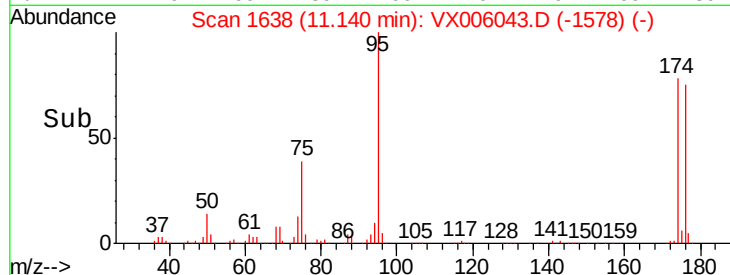
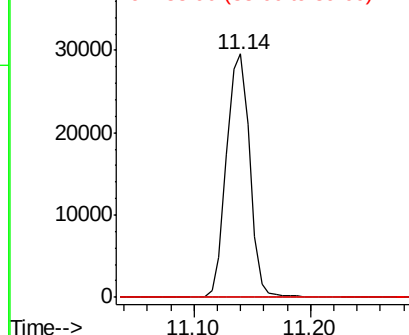
75 100

53 0.0 80.2 120.2#

89 0.0 39.8 59.8#



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: 1.201 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006043.D

Acq: 16 Nov 2018 12:15

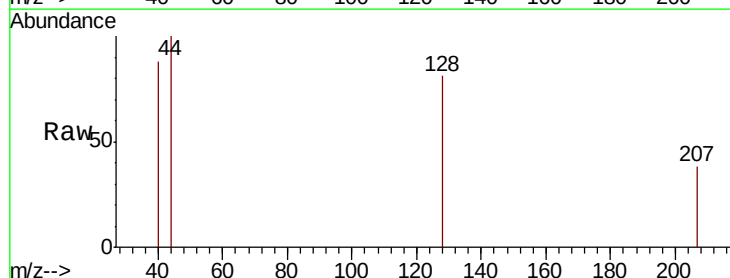
Tgt Ion: 128 Resp: 184

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

