

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003926.D
 Acq On : 08 Aug 2018 16:24
 Operator : JC/MD
 Sample : J4379-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106I

Quant Time: Aug 09 03:14:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	473396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	443788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226571	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	212271	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	5.51	113	179713	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	8.72	98	670164	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.14	95	234777	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	

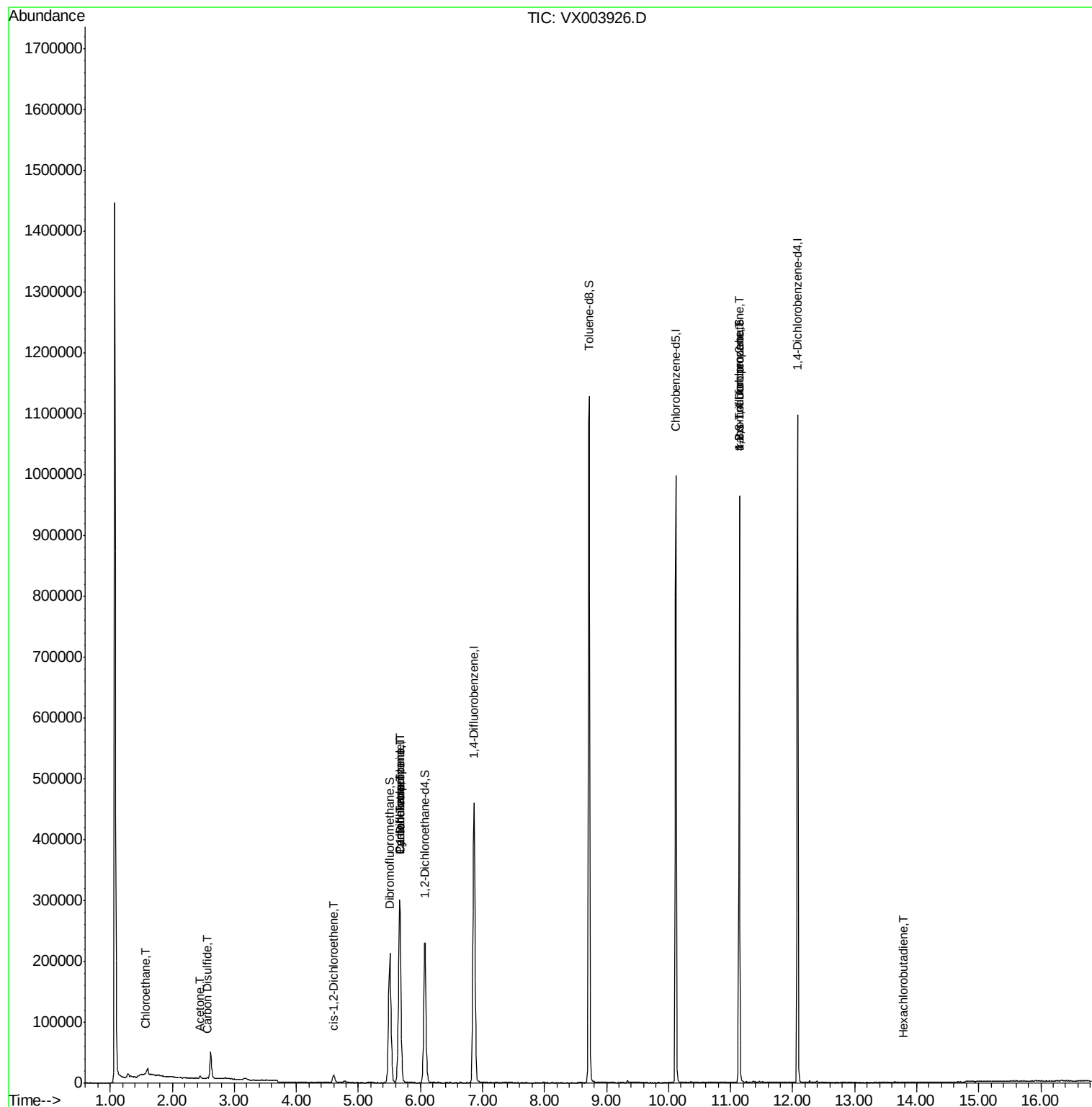
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	650	Below Cal		91
6) Chloroethane	1.56	64	17622	6.60 ug/l	#	53
13) Acrolein	2.28	56	309	Below Cal	#	32
16) Acetone	2.45	43	4397	1.84 ug/l		97
17) Carbon Disulfide	2.57	76	1972	0.65 ug/l	#	83
20) Methylene Chloride	2.86	84	629	Below Cal	#	88
27) cis-1,2-Dichloroethene	4.60	96	8003	2.00 ug/l		92
31) Cyclohexane	5.66	56	5631	0.97 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	20696	3.90 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	26700	5.29 ug/l	#	15
76) 1,2,3-Trichloropropane	11.14	75	111048	22.19 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	111048	59.91 ug/l	#	9
88) 1,4-Dichlorobenzene	12.02	146	495	Below Cal		79
94) Hexachlorobutadiene	13.79	225	180	0.50 ug/l		81

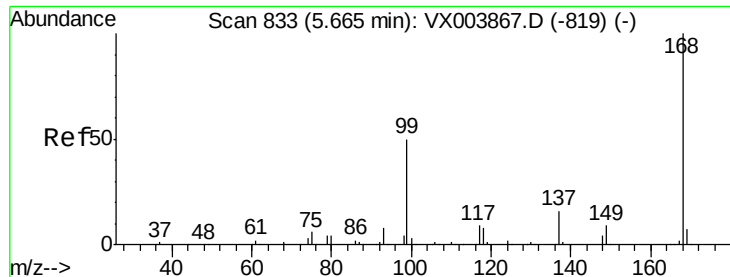
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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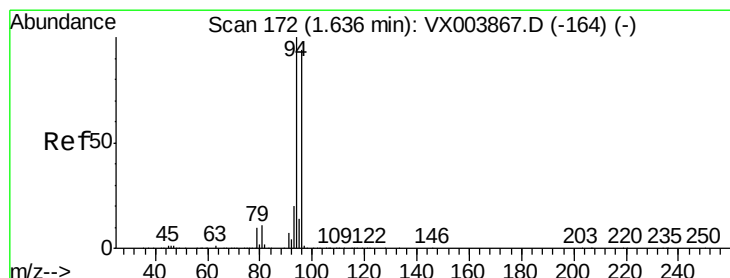
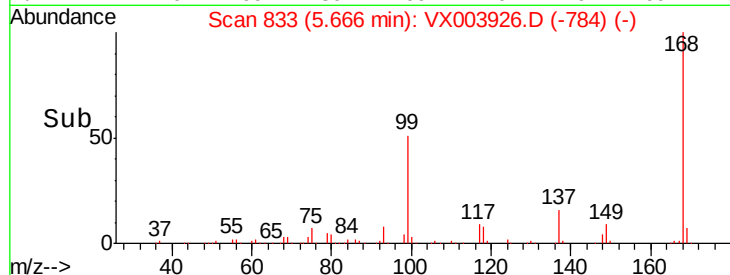
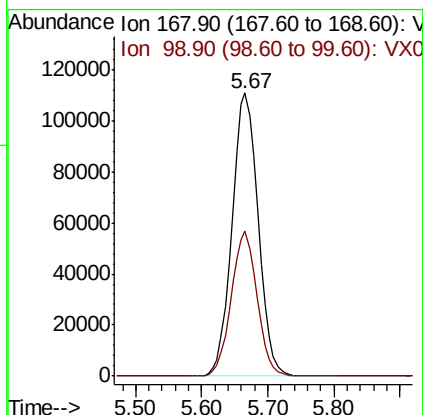
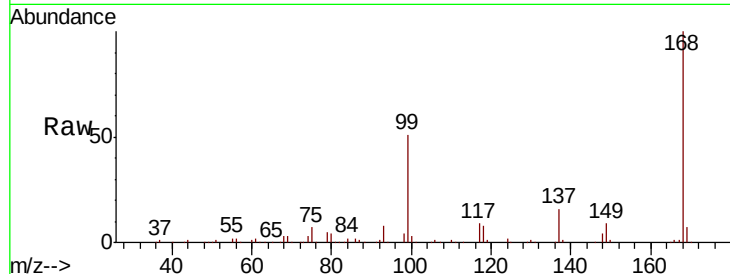




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003926.D
Acq: 08 Aug 2018 16:24

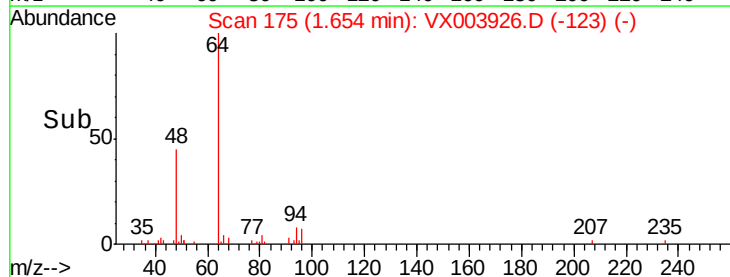
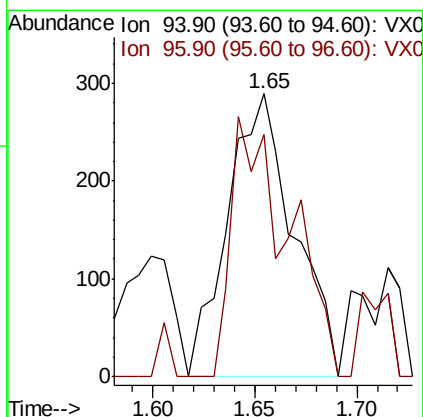
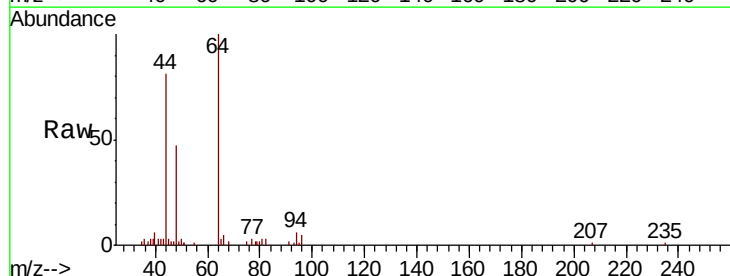
Instrument :
MSVOA_X
ClientSampleId :
MW-106I

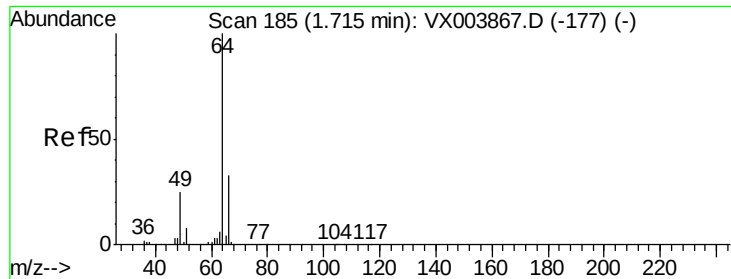
Tot Ion:168 Resp: 303346
Ion Ratio Lower Upper
168 100
99 51.2 40.1 60.1



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 175
Delta R.T. 0.02 min
Lab File: VX003926.D
Acq: 08 Aug 2018 16:24

Tgt Ion: 94 Resp: 650
Ion Ratio Lower Upper
94 100
96 85.5 75.2 112.8





#6

Chloroethane

Concen: 6.60 ug/l

RT: 1.56 min Scan# 160

Delta R.T. -0.15 min

Lab File: VX003926.D

Acq: 08 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

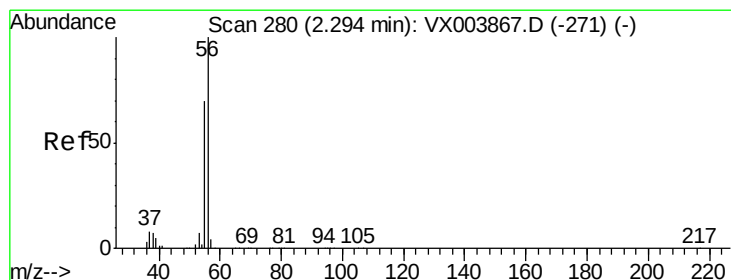
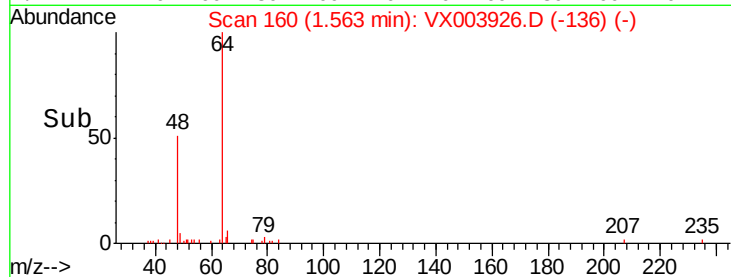
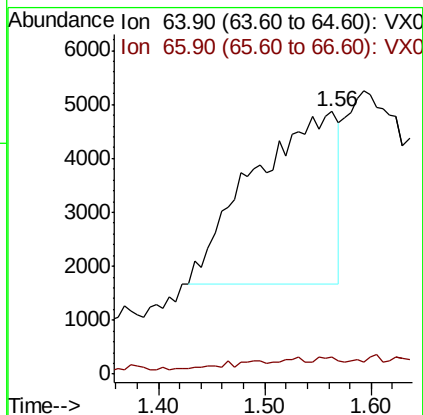
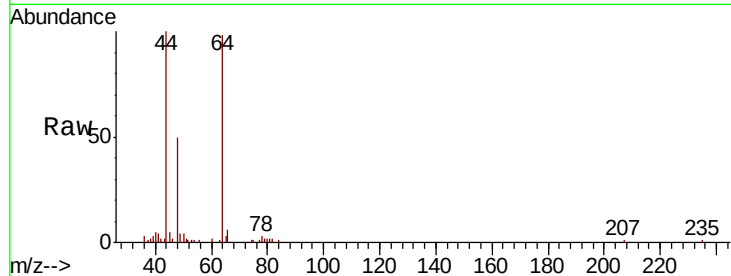
MW-106I

Tot Ion: 64 Resp: 17622

Ion Ratio Lower Upper

64 100

66 6.6 26.5 39.7#



#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX003926.D

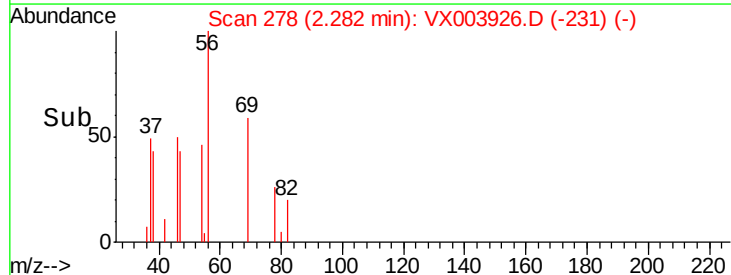
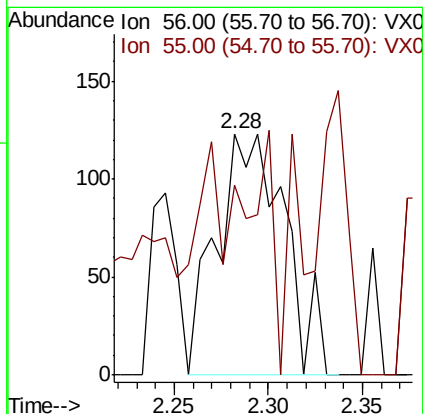
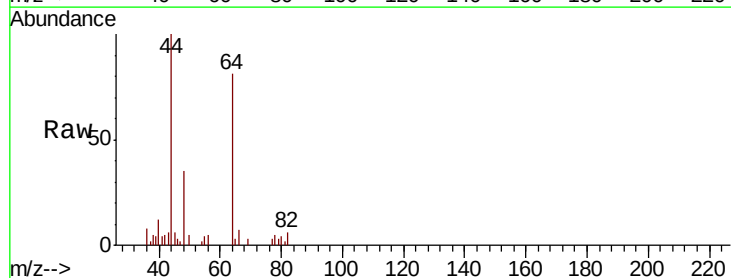
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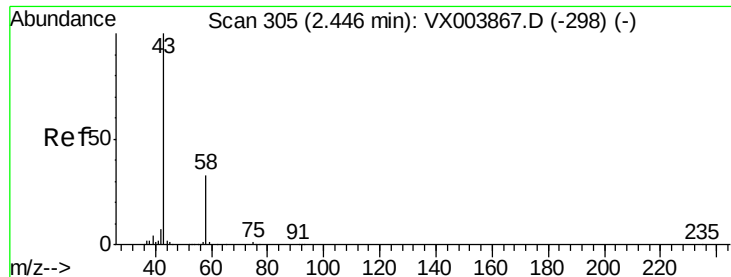
Tgt Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 13.9 56.1 84.1#





#16

Acetone

Concen: 1.84 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003926.D

Acq: 08 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

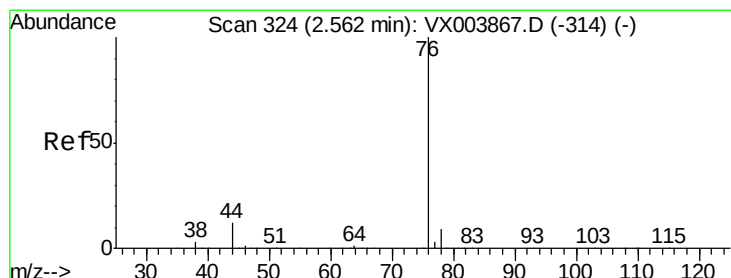
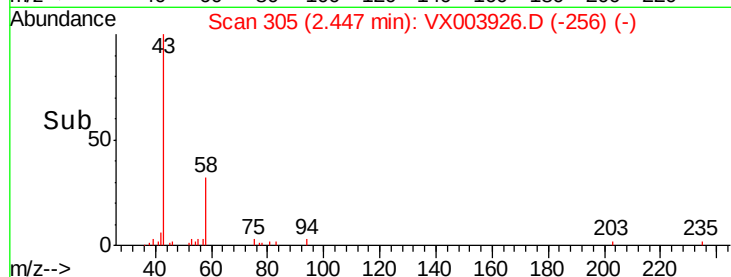
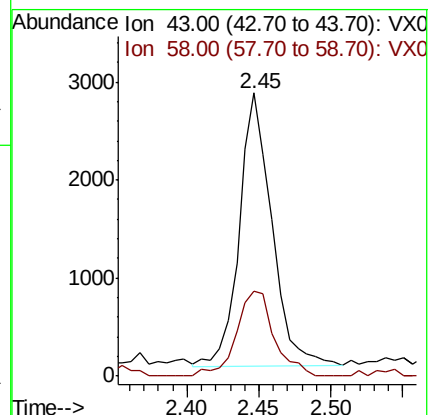
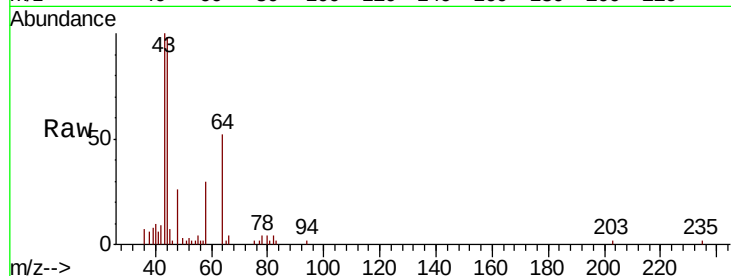
MW-106I

Tot Ion: 43 Resp: 4397

Ion Ratio Lower Upper

43 100

58 31.3 26.4 39.6



#17

Carbon Disulfide

Concen: 0.65 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003926.D

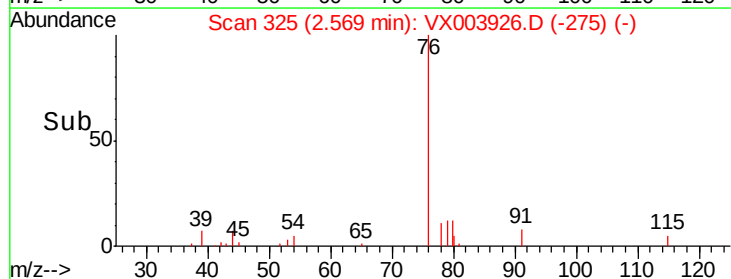
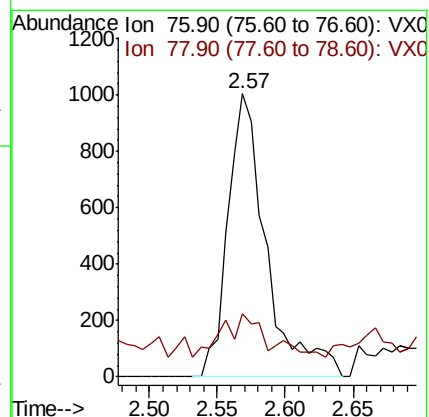
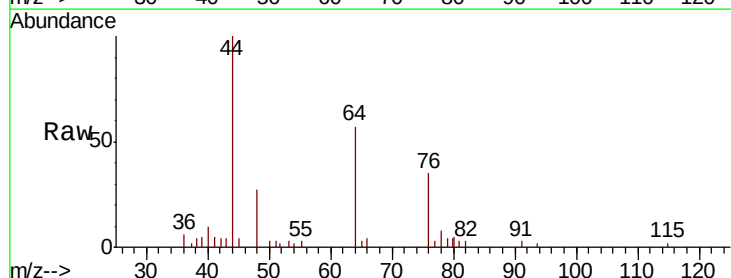
Acq: 08 Aug 2018 16:24

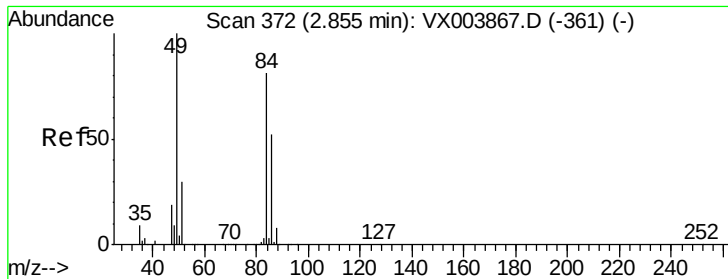
Tgt Ion: 76 Resp: 1972

Ion Ratio Lower Upper

76 100

78 15.4 7.5 11.3#

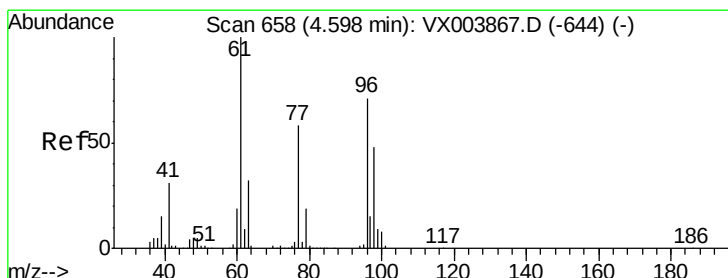
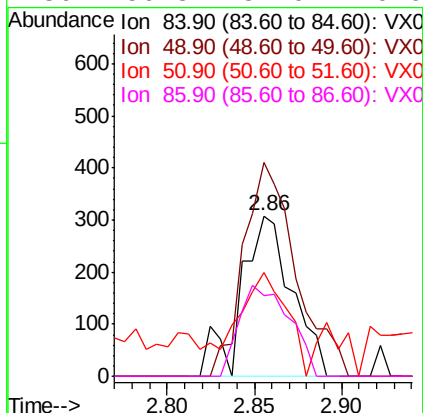
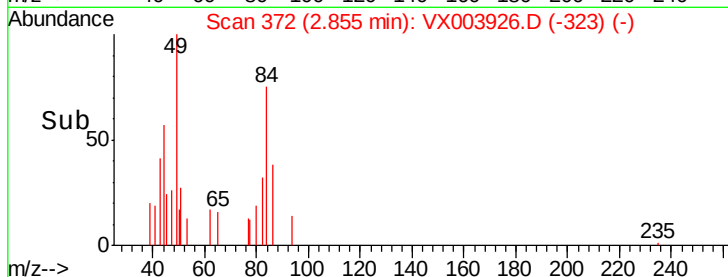
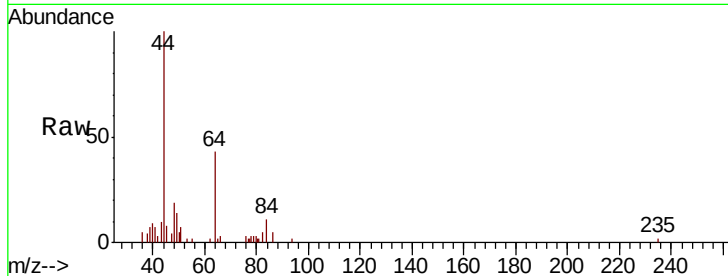




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003926.D
Acq: 08 Aug 2018 16:24

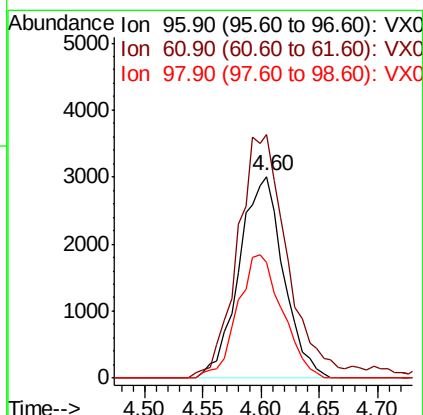
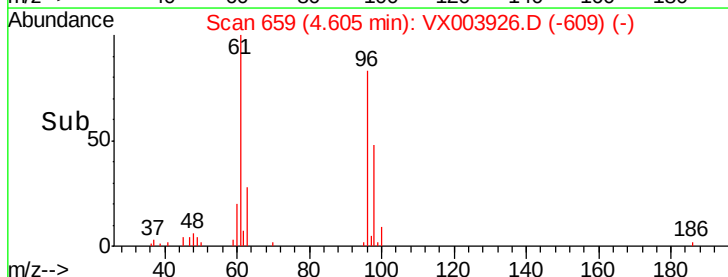
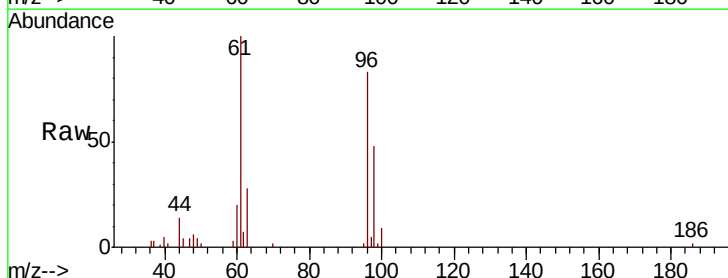
Instrument :
MSVOA_X
ClientSampled :
MW-106I

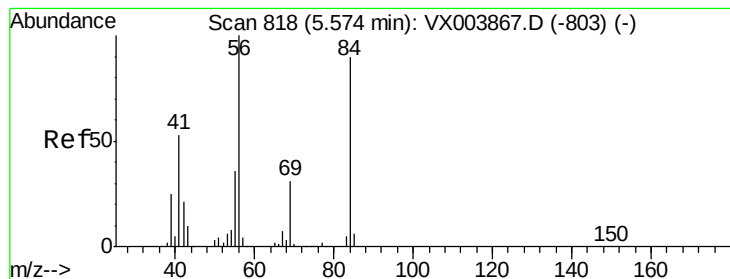
Tot Ion: 84 Resp: 629
Ion Ratio Lower Upper
84 100
49 133.1 98.9 148.3
51 47.7 29.9 44.9#
86 50.3 51.0 76.6#



#27
cis-1,2-Dichloroethene
Concen: 2.00 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003926.D
Acq: 08 Aug 2018 16:24

Tgt Ion: 96 Resp: 8003
Ion Ratio Lower Upper
96 100
61 134.2 0.0 293.0
98 61.6 0.0 131.8





#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003926.D

Acq: 08 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

MW-106I

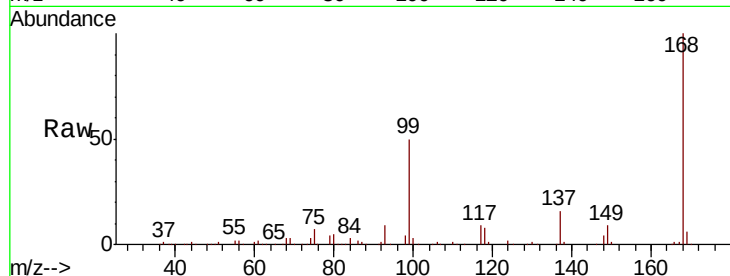
Tot Ion: 56 Resp: 5631

Ion Ratio Lower Upper

56 100

69 153.2 24.9 37.3#

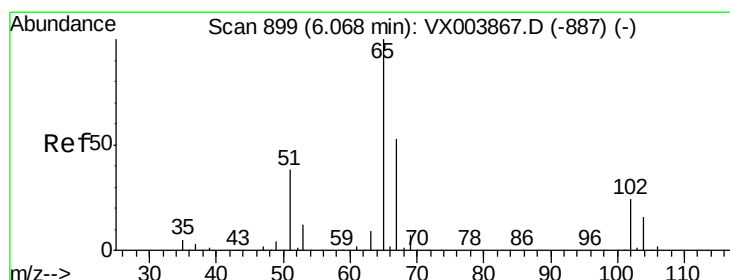
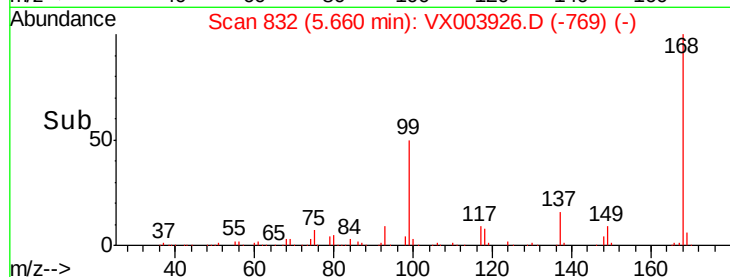
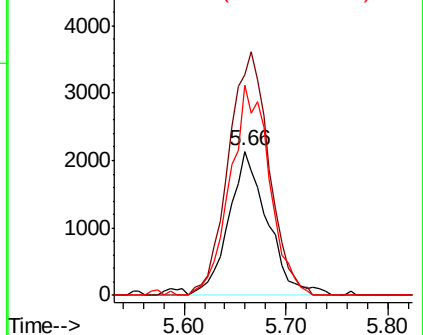
84 145.8 71.7 107.5#



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: 52.79 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003926.D

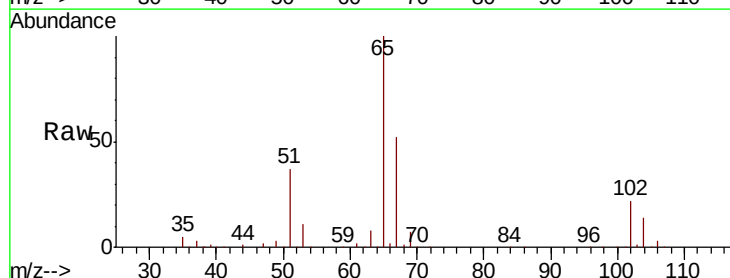
Acq: 08 Aug 2018 16:24

Tgt Ion: 65 Resp: 212271

Ion Ratio Lower Upper

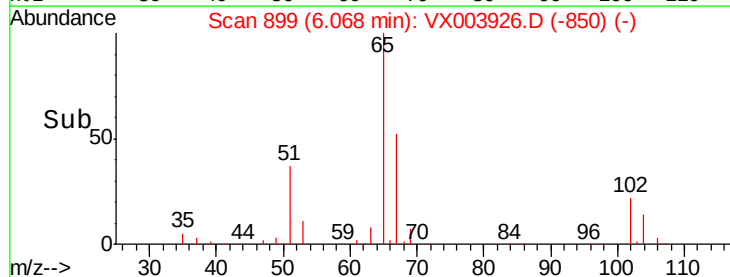
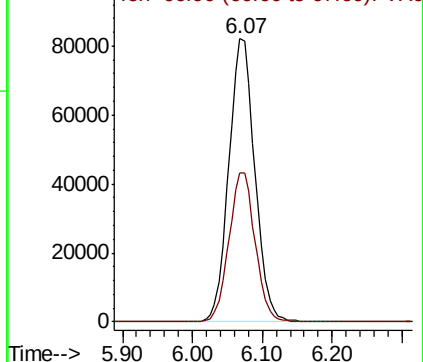
65 100

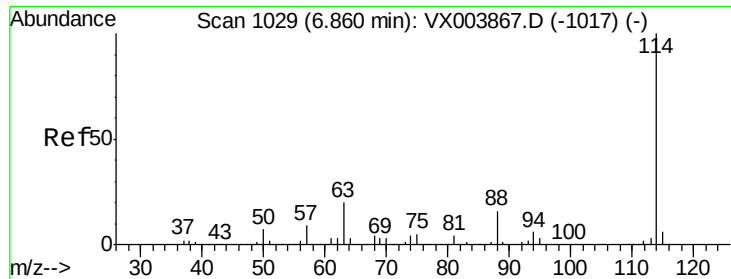
67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

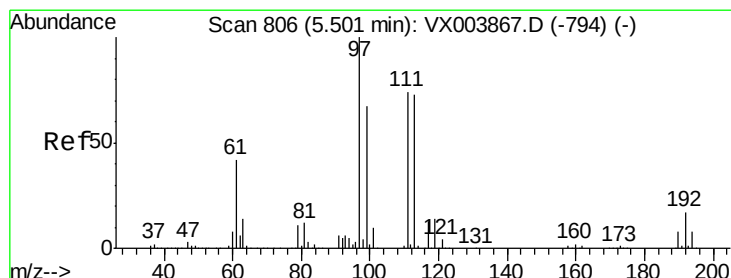
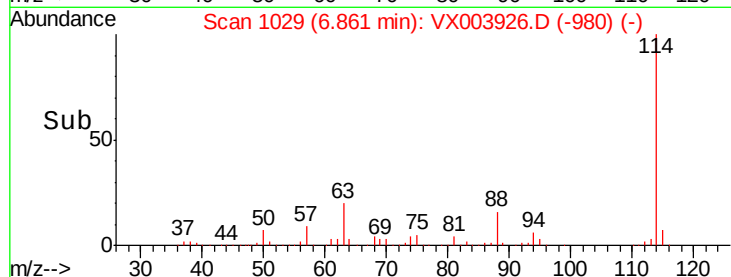
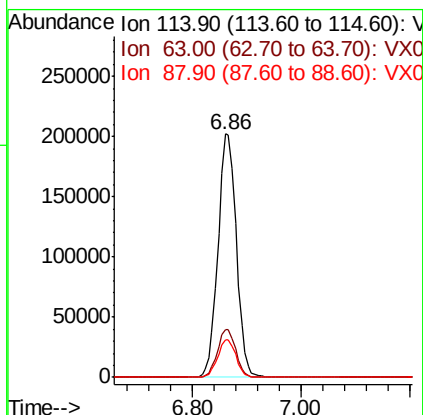
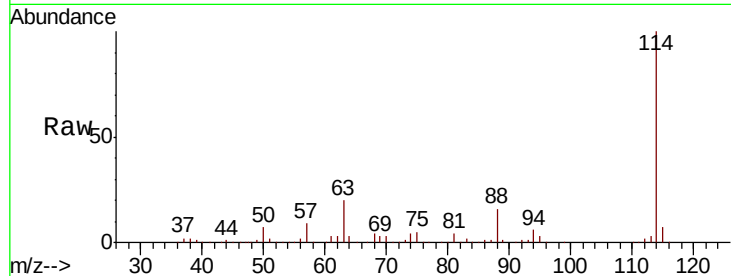




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003926.D
 Acq: 08 Aug 2018 16:24

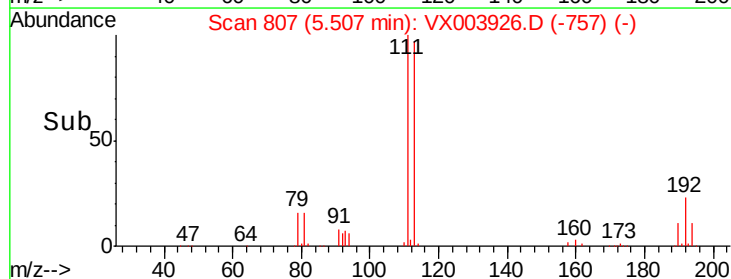
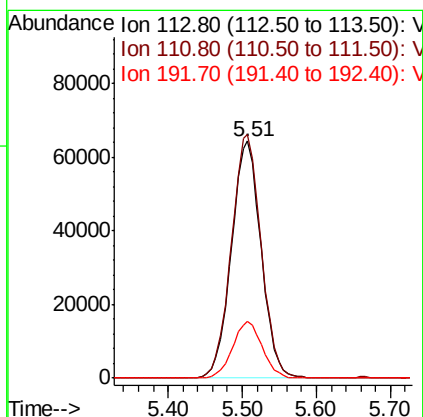
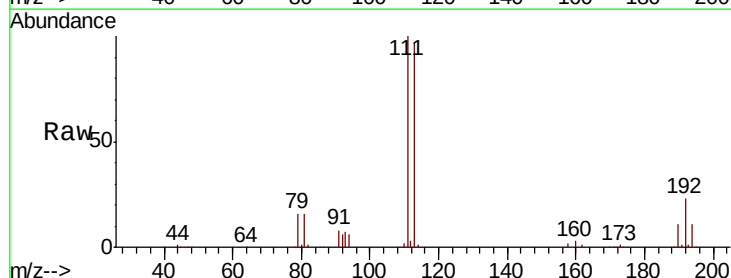
Instrument :
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 MW-106I

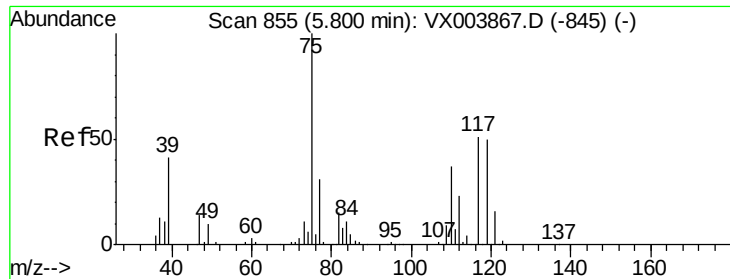
Tot Ion:114 Resp: 473396
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.6 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 50.11 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003926.D
 Acq: 08 Aug 2018 16:24

Tgt Ion:113 Resp: 179713
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 23.8 19.0 28.4

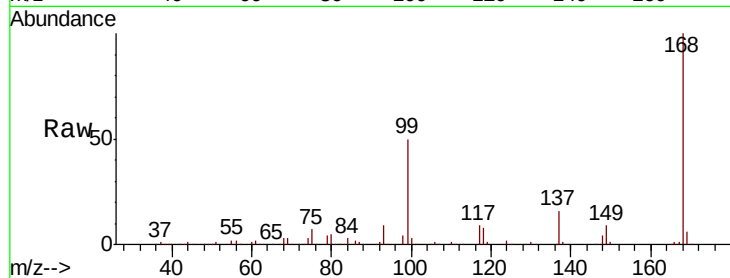




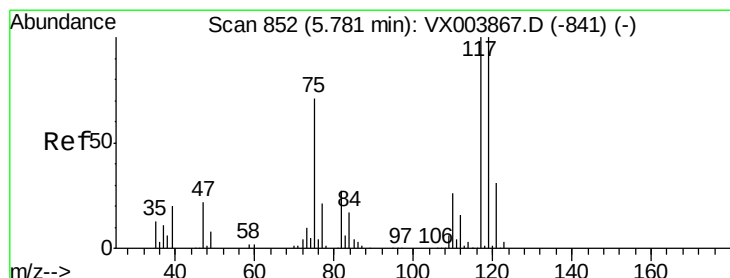
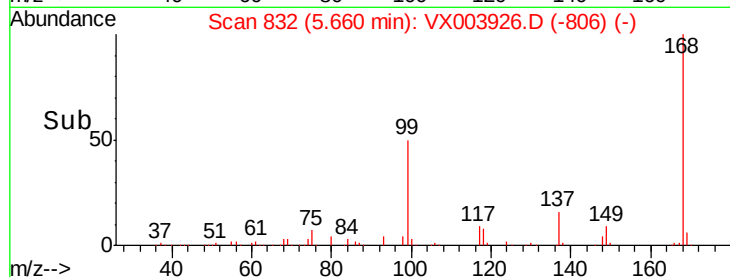
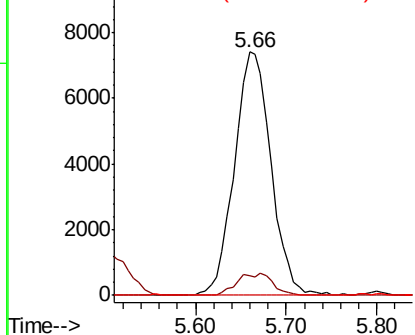
#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX003926.D
 Acq: 08 Aug 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106I

Tot Ion	75	Resp	20696
Ion Ratio	100	Lower	Upper
110	8.8	18.2	54.6#
77	0.0	25.0	37.4#

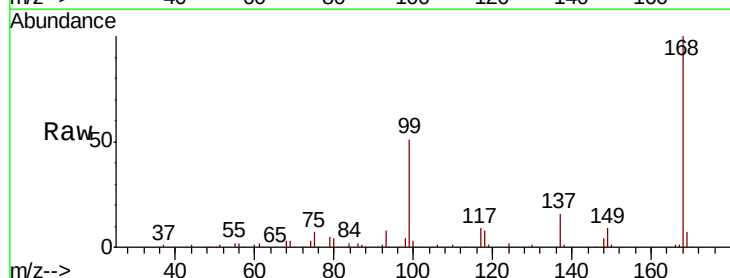


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

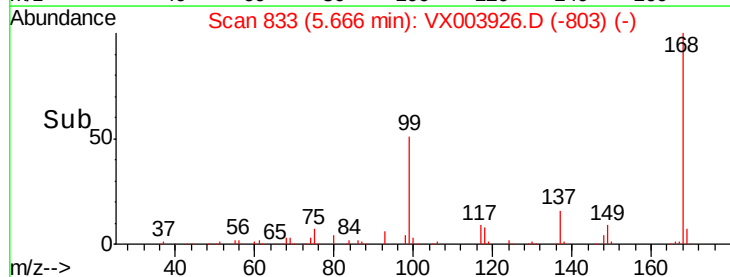
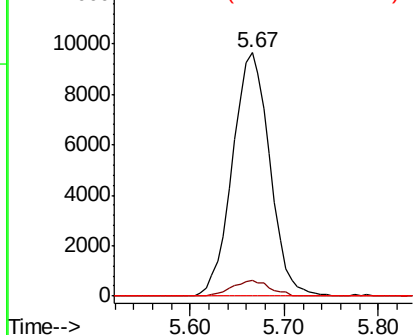


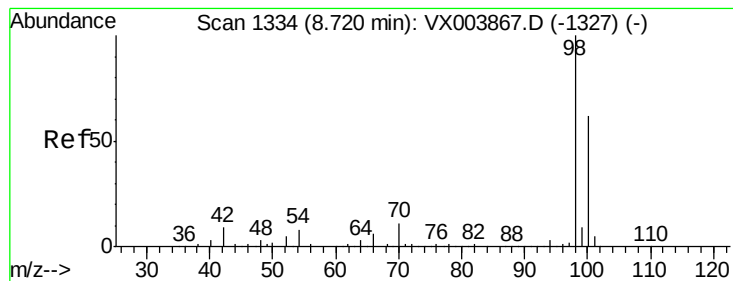
#38
 Carbon Tetrachloride
 Concen: 5.29 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003926.D
 Acq: 08 Aug 2018 16:24

Tgt Ion	117	Resp	26700
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	6.2	79.5	119.3#
121	0.0	25.0	37.4#



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: 48.05 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003926.D

Acq: 08 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

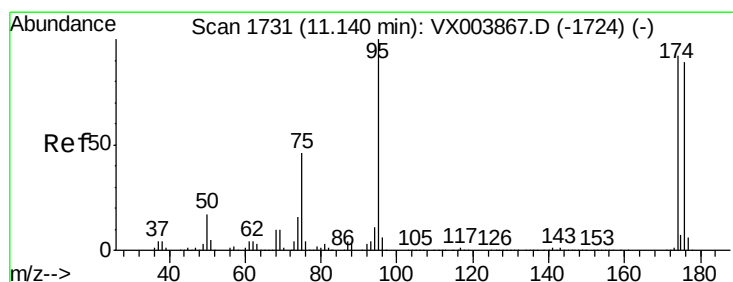
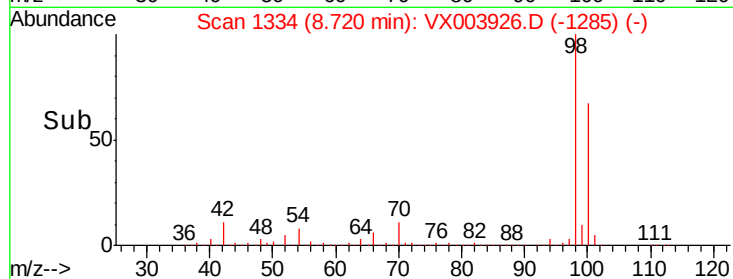
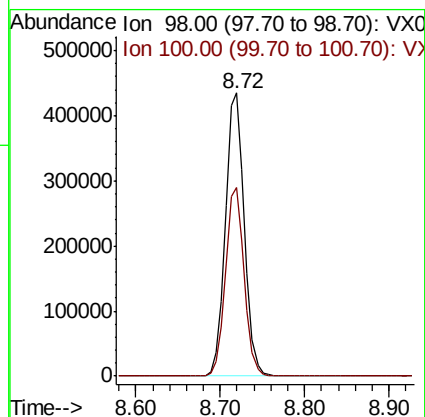
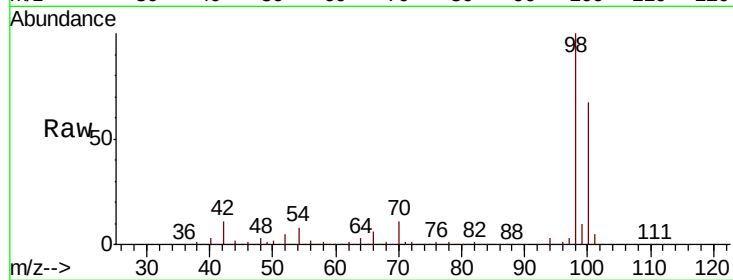
MW-106I

Tot Ion: 98 Resp: 670164

Ion Ratio Lower Upper

98 100

100 65.8 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 52.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003926.D

Acq: 08 Aug 2018 16:24

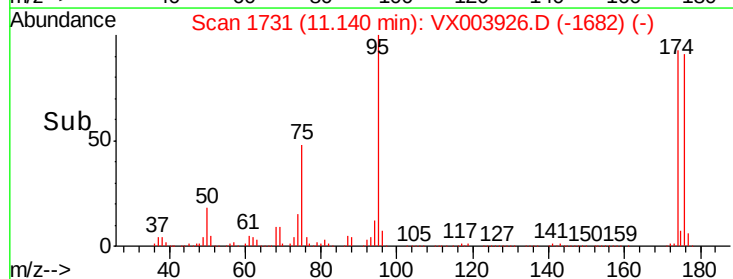
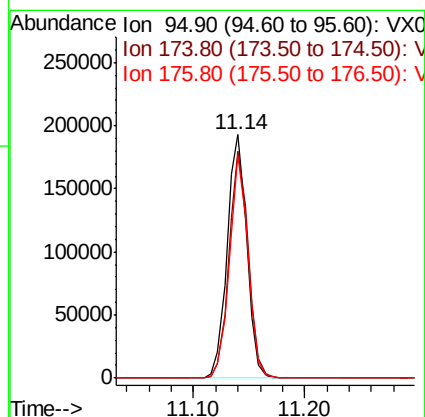
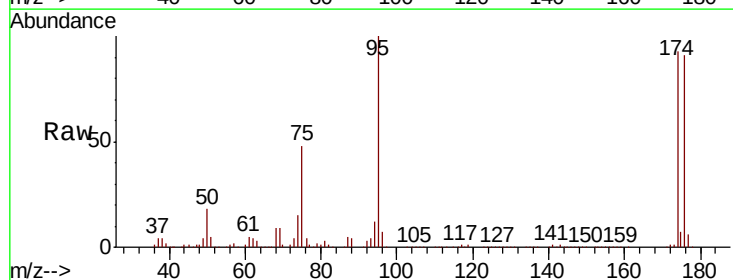
Tgt Ion: 95 Resp: 234777

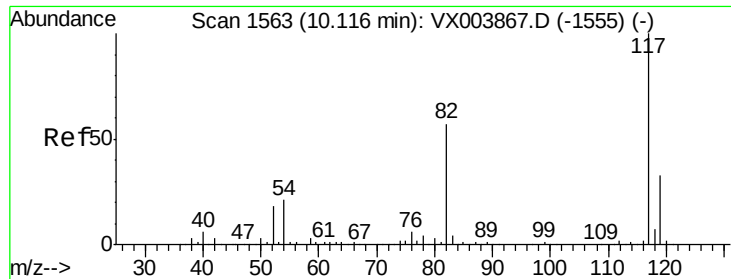
Ion Ratio Lower Upper

95 100

174 91.5 0.0 182.8

176 86.7 0.0 179.0

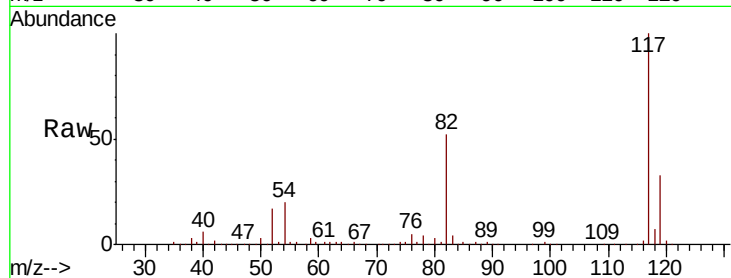




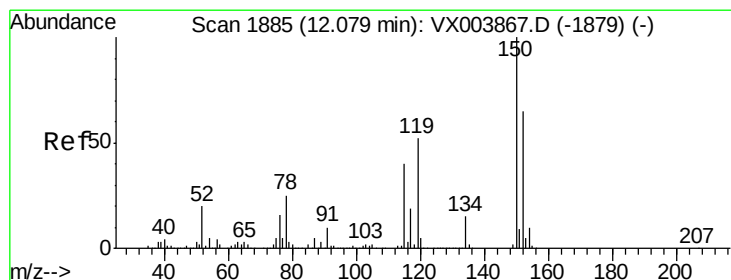
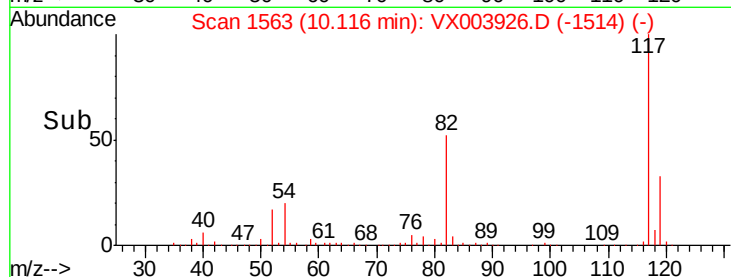
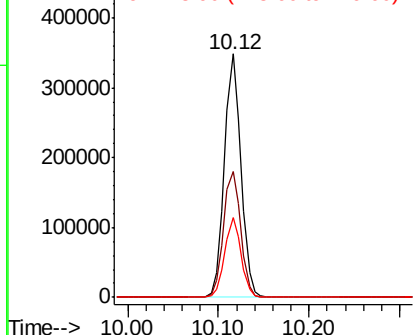
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003926.D
Acq: 08 Aug 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
MW-106I

Tot Ion:117 Resp: 443788
Ion Ratio Lower Upper
117 100
82 51.9 45.4 68.0
119 32.6 26.6 40.0

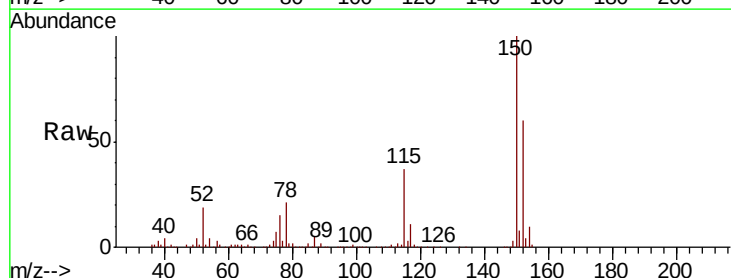


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

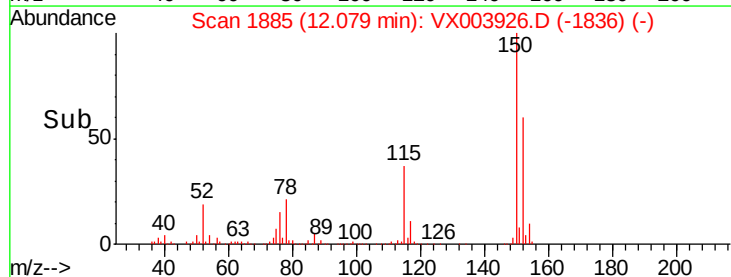
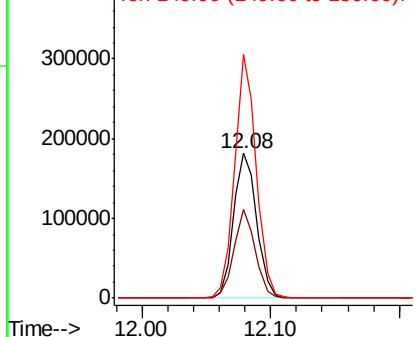


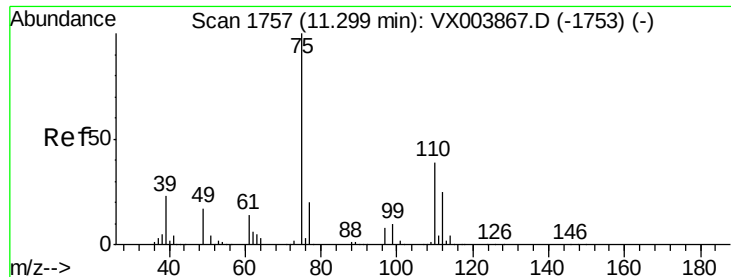
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003926.D
Acq: 08 Aug 2018 16:24

Tgt Ion:152 Resp: 226571
Ion Ratio Lower Upper
152 100
115 57.0 39.1 117.3
150 157.4 0.0 349.2



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

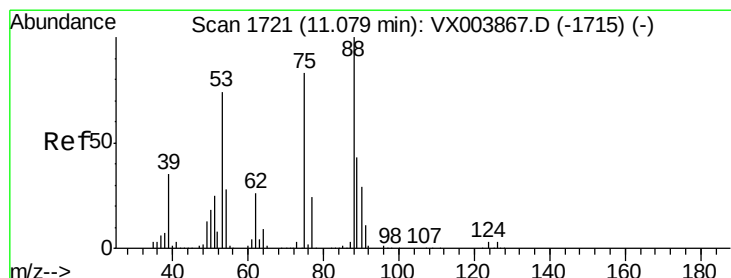
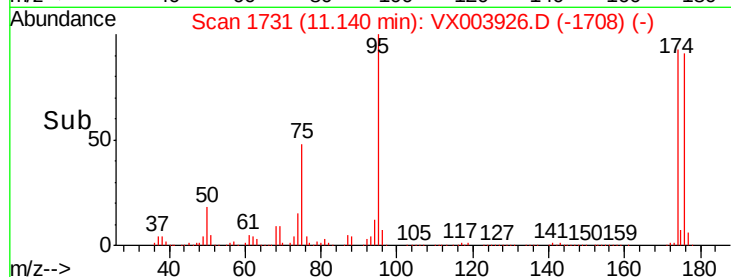
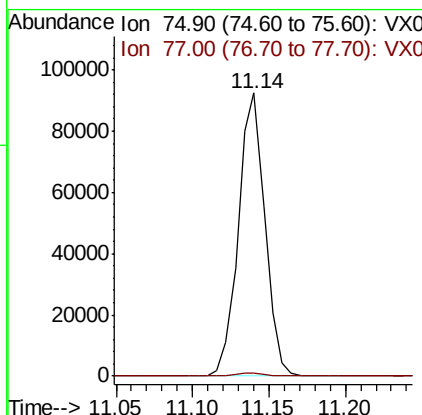
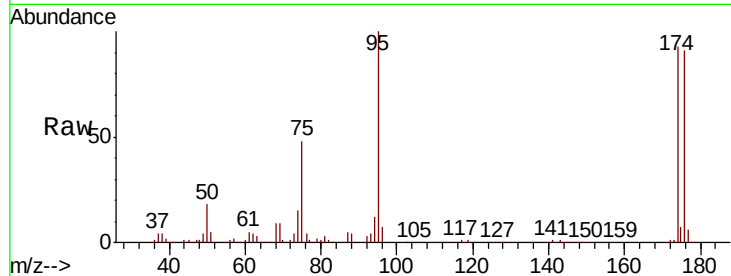




#76
 1,2,3-Trichloropropane
 Concen: 22.19 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003926.D
 Acq: 08 Aug 2018 16:24

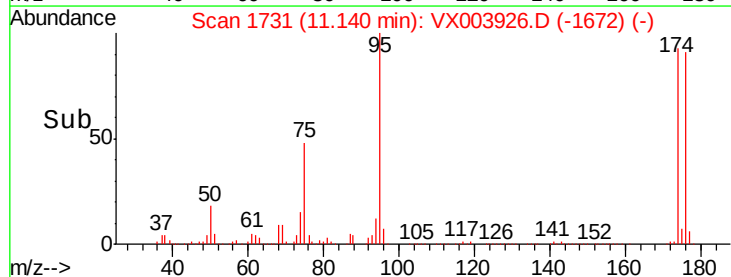
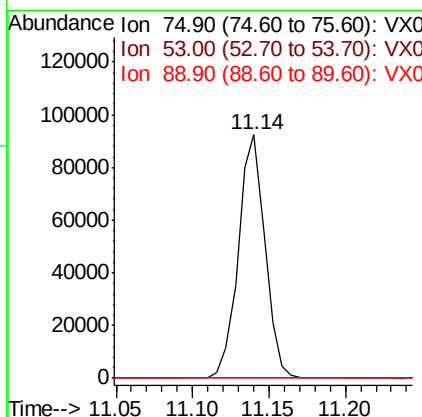
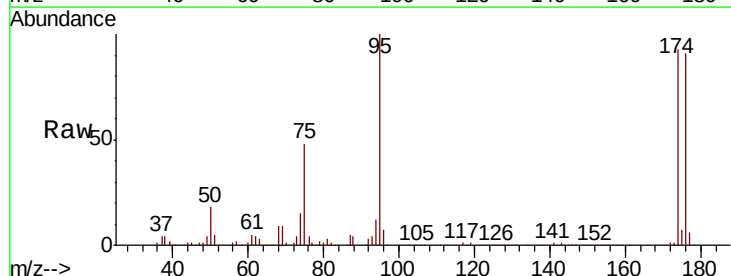
Instrument :
 MSVOA_X
 ClientSampled :
 MW-106I

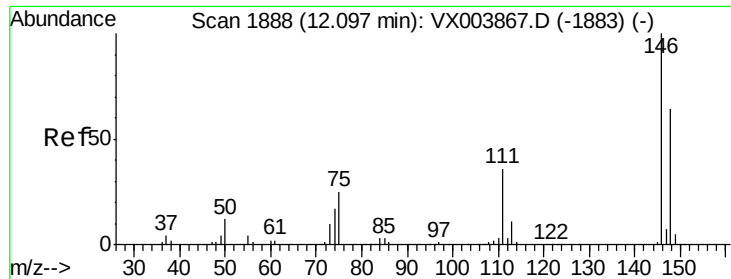
Tot Ion: 75 Resp: 111048
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.91 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003926.D
 Acq: 08 Aug 2018 16:24

Tgt Ion: 75 Resp: 111048
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.02 min Scan# 1876

Delta R.T. -0.07 min

Lab File: VX003926.D

Acq: 08 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

MW-106I

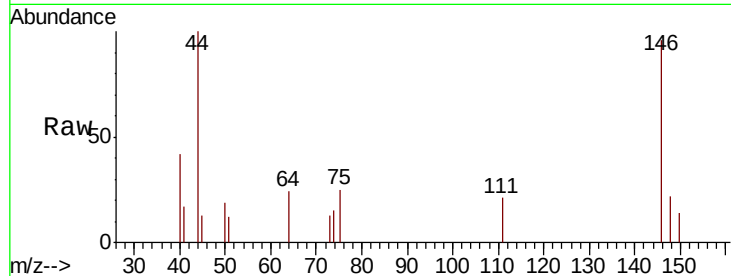
Tot Ion:146 Resp: 495

Ion Ratio Lower Upper

146 100

111 28.7 18.4 55.0

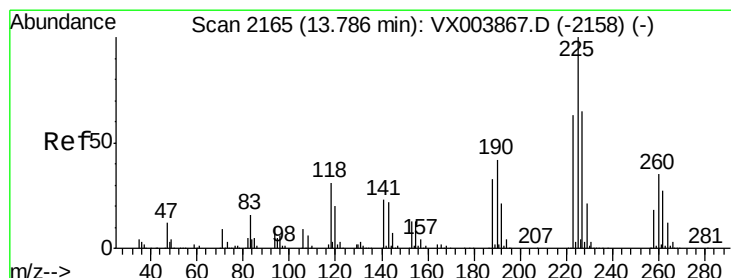
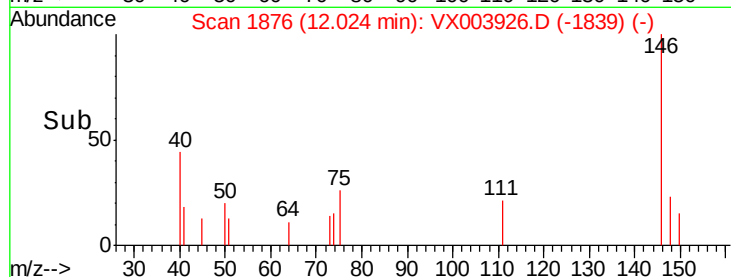
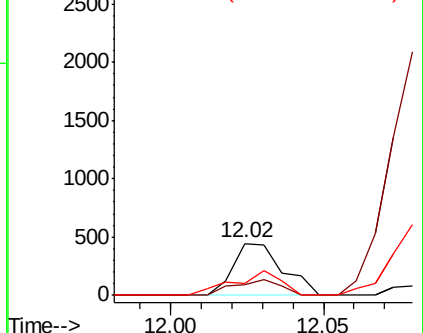
148 44.6 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#94

Hexachlorobutadiene

Concen: 0.50 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003926.D

Acq: 08 Aug 2018 16:24

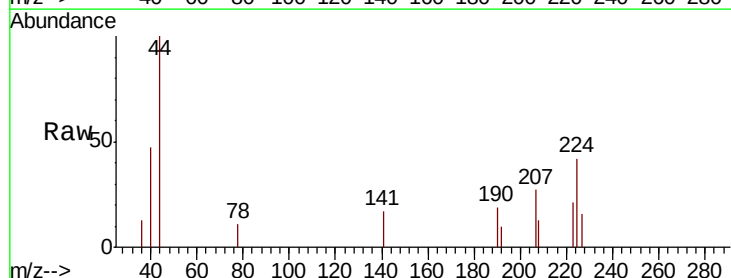
Tgt Ion:225 Resp: 180

Ion Ratio Lower Upper

225 100

223 47.8 31.4 94.0

227 78.9 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

