

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004059.D
 Acq On : 15 Aug 2018 05:40
 Operator : JC/MD
 Sample : J4439-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-294-SRI3

Quant Time: Aug 15 09:41:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	411164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212720	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	197301	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	5.51	113	160484	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	8.72	98	593802	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.14	95	200363	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	

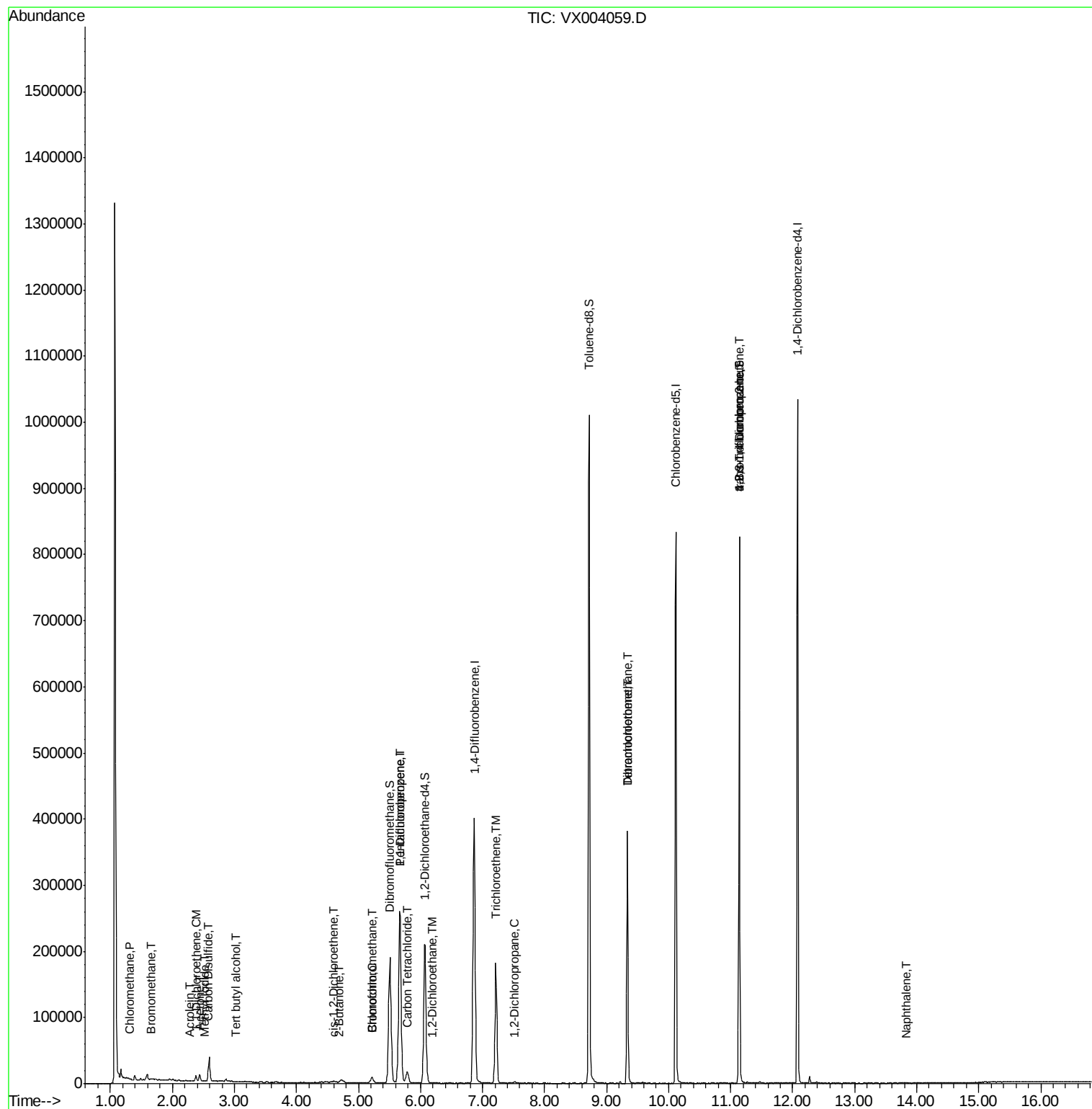
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	753	0.241 ug/l #		86
5) Bromomethane	1.66	94	787	0.282 ug/l		94
6) Chloroethane	1.64	64	376	Below Cal	#	42
10) Methyl Iodide	2.53	142	429	5.132 ug/l #		86
11) Tert butyl alcohol	3.02	59	286	0.386 ug/l #		94
12) 1,1-Dichloroethene	2.38	96	2762	1.006 ug/l		91
13) Acrolein	2.28	56	68	11.079 ug/l #		1
16) Acetone	2.43	43	10520	5.500 ug/l #		87
17) Carbon Disulfide	2.57	76	2425	0.311 ug/l		96
20) Methylene Chloride	2.86	84	1785	Below Cal		89
25) 2-Butanone	4.69	43	2052	0.659 ug/l #		84
27) cis-1,2-Dichloroethene	4.60	96	1333	0.380 ug/l		46
28) Bromochloromethane	5.22	49	889	0.334 ug/l #		10
30) Chloroform	5.22	83	9340	1.650 ug/l		93
36) 1,1-Dichloropropene	5.67	75	17650	3.772 ug/l #		50
38) Carbon Tetrachloride	5.79	117	14136	3.110 ug/l		93
42) 1,2-Dichloroethane	6.20	62	1029	0.209 ug/l		78
44) Trichloroethene	7.22	130	74173	19.447 ug/l		91
45) 1,2-Dichloropropane	7.52	63	748	0.208 ug/l		95
60) Dibromochloromethane	9.34	129	66580	18.856 ug/l #		11
64) Tetrachloroethene	9.34	164	76545	20.980 ug/l		93
76) 1,2,3-Trichloropropane	11.14	75	97350	22.820 ug/l #		36
81) trans-1,4-Dichloro-2-buten	11.14	75	97350	70.641 ug/l #		9
95) Naphthalene	13.83	128	331	1.166 ug/l #		69

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

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QLast Update : Tue Aug 14 13:27:25 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

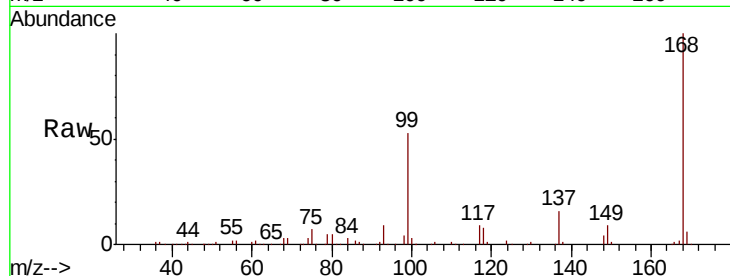
MW-294-SRI3

Tgt Ion:168 Resp: 261107

Ion Ratio Lower Upper

168 100

99 52.8 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

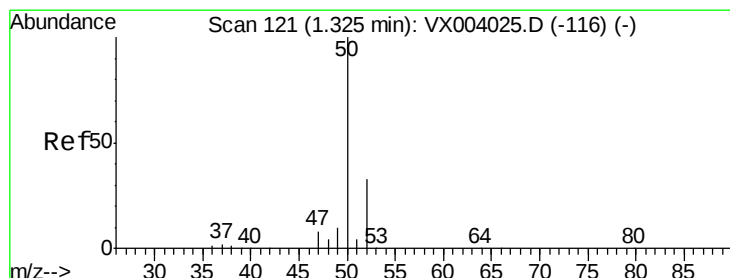
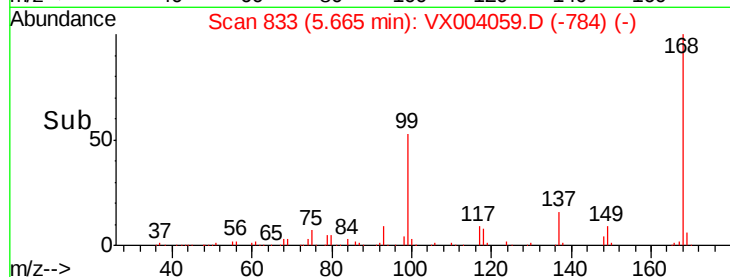
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004059.D

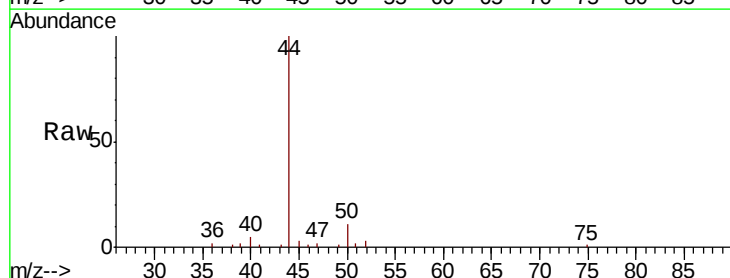
Acq: 15 Aug 2018 05:40

Tgt Ion: 50 Resp: 753

Ion Ratio Lower Upper

50 100

52 25.3 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

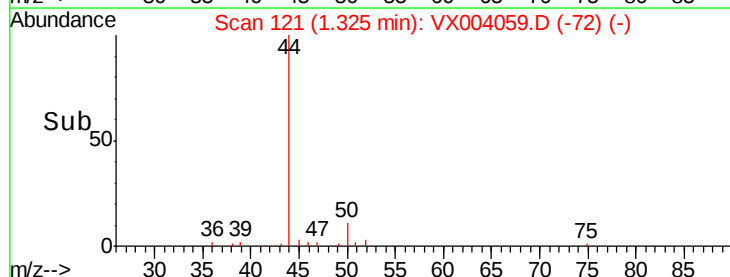
300

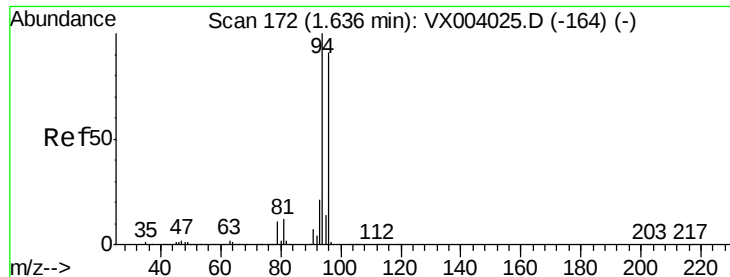
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.282 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

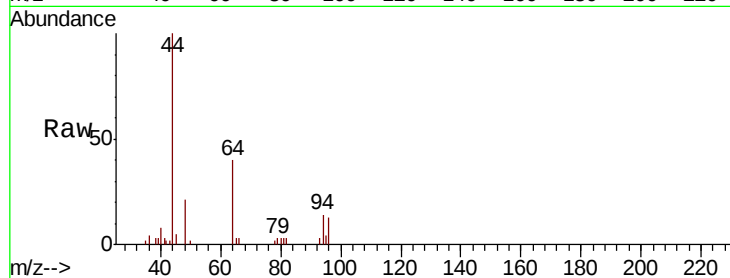
MW-294-SRI3

Tgt Ion: 94 Resp: 787

Ion Ratio Lower Upper

94 100

96 88.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

300

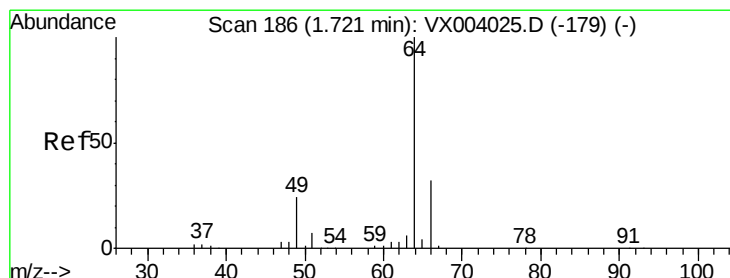
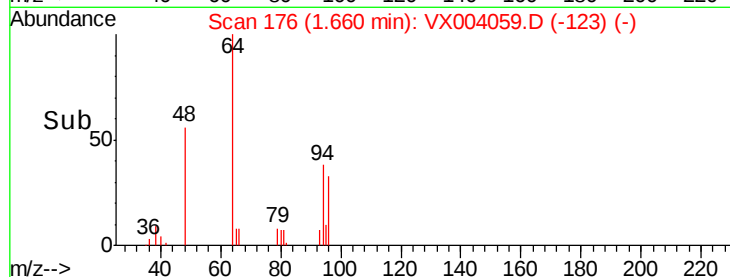
200

100

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. -0.09 min

Lab File: VX004059.D

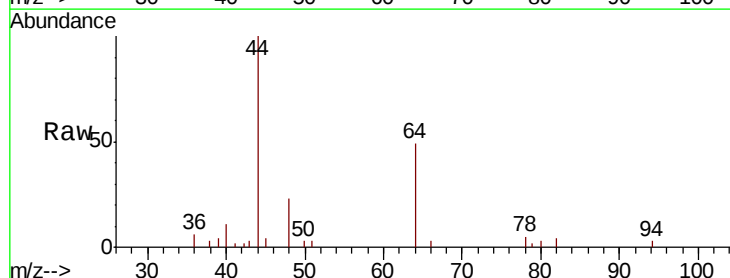
Acq: 15 Aug 2018 05:40

Tgt Ion: 64 Resp: 376

Ion Ratio Lower Upper

64 100

66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.64

1500

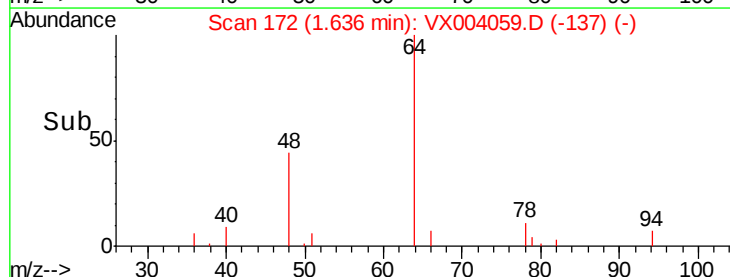
1000

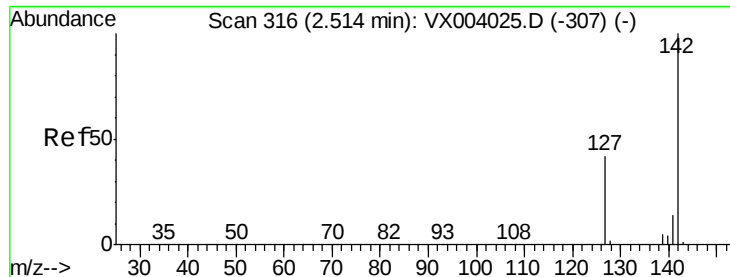
500

0

1.62 1.64 1.66

Time-->

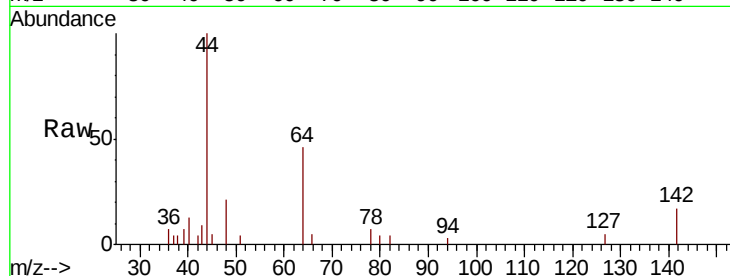




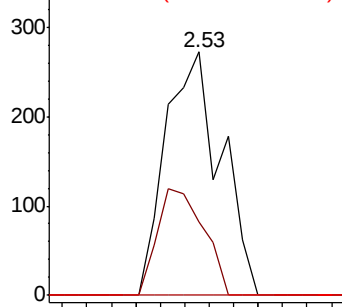
#10
Methyl Iodide
Concen: 5.132 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX004059.D
Acq: 15 Aug 2018 05:40

Instrument :
MSVOA_X
ClientSampleId :
MW-294-SRI3

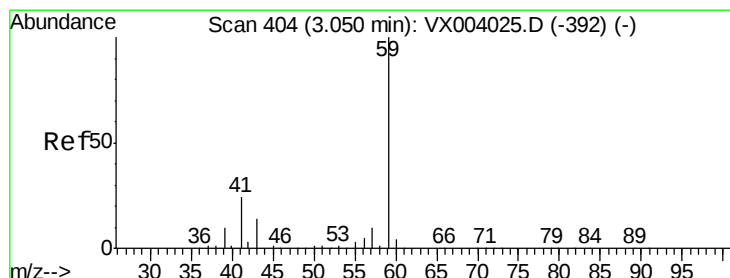
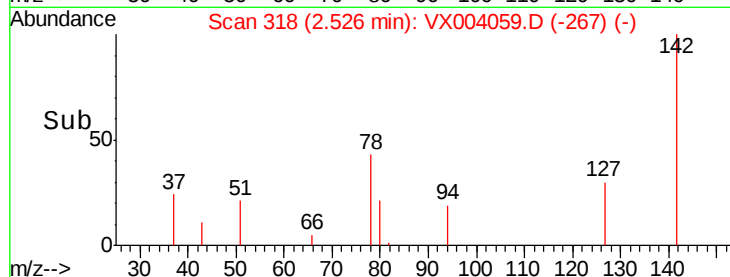
Tgt Ion: 142 Resp: 429
Ion Ratio Lower Upper
142 100
127 36.8 33.1 49.7
141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

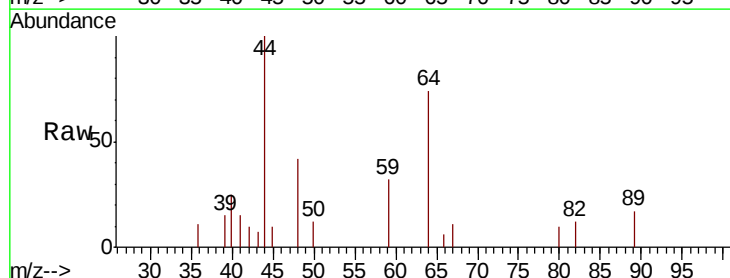


Time-->

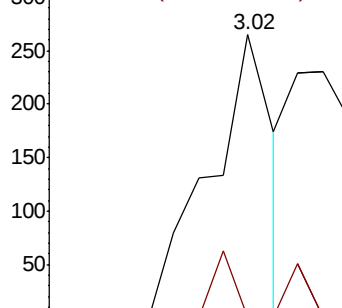


#11
Tert butyl alcohol
Concen: 0.386 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004059.D
Acq: 15 Aug 2018 05:40

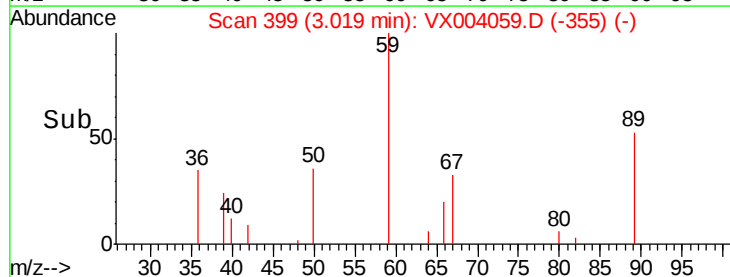
Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 8.0 8.1 12.1#

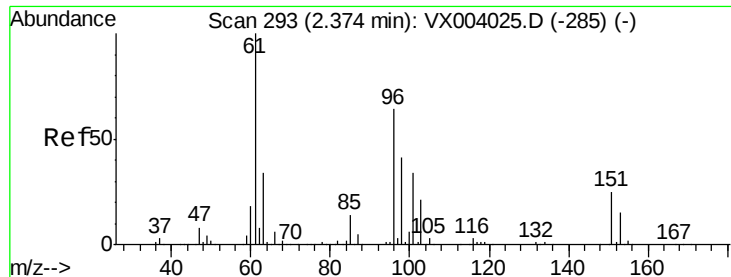


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time-->

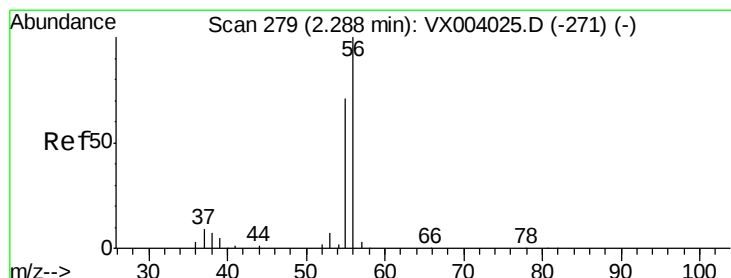
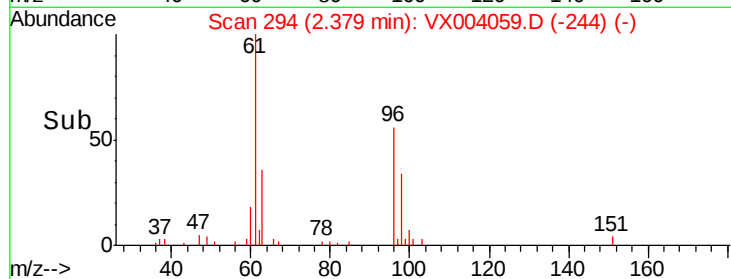
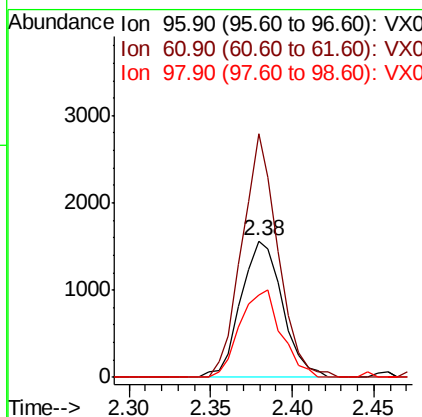
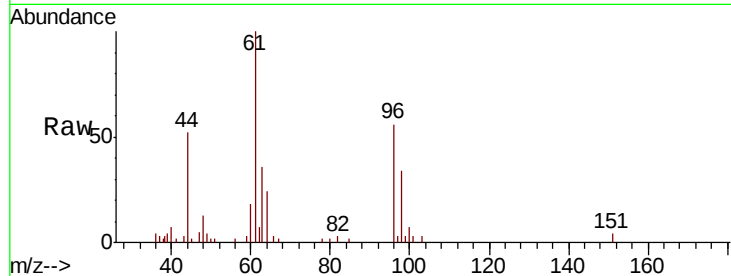




#12
 1,1-Dichloroethene
 Concen: 1.006 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX004059.D
 Acq: 15 Aug 2018 05:40

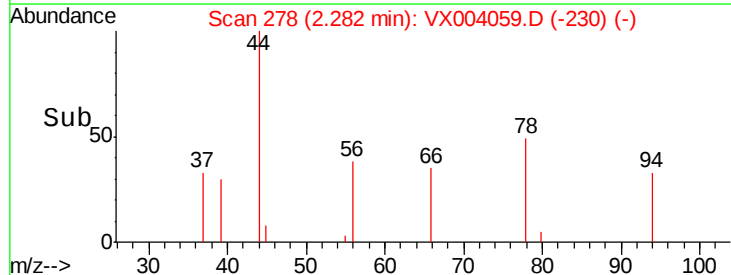
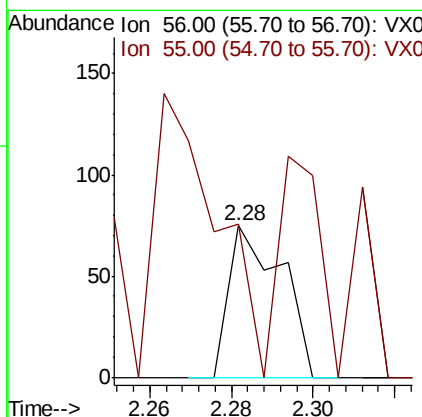
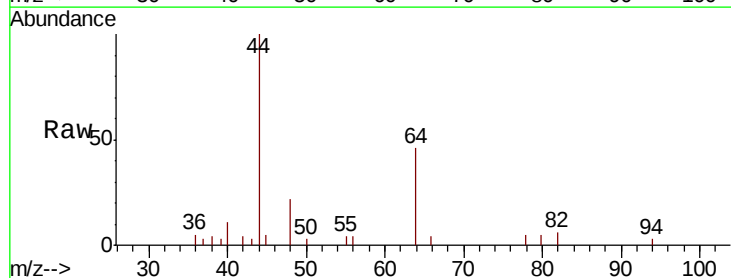
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-294-SRI3

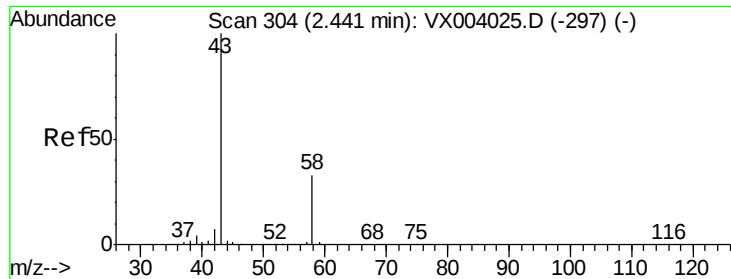
Tgt Ion: 96 Resp: 2762
 Ion Ratio Lower Upper
 96 100
 61 178.6 131.3 196.9
 98 60.3 51.8 77.6



#13
 Acrolein
 Concen: 11.079 ug/l
 RT: 2.28 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX004059.D
 Acq: 15 Aug 2018 05:40

Tgt Ion: 56 Resp: 68
 Ion Ratio Lower Upper
 56 100
 55 163.2 56.1 84.1#





#16

Acetone

Concen: 5.500 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

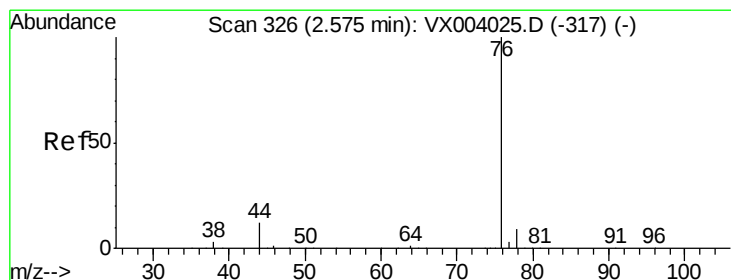
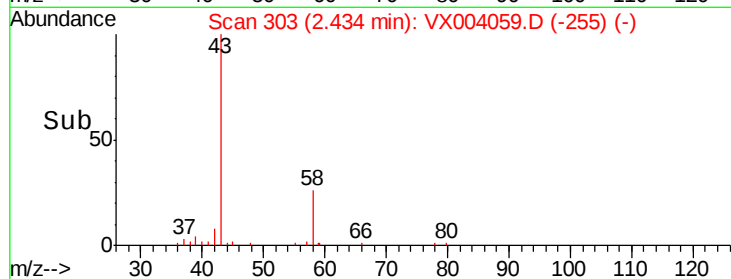
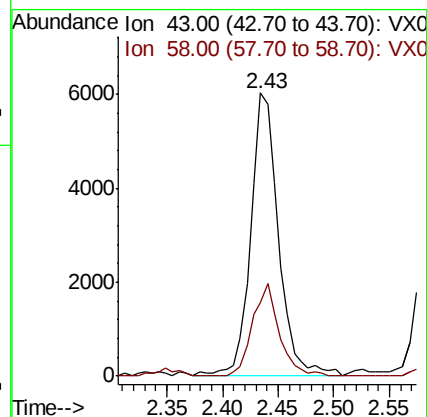
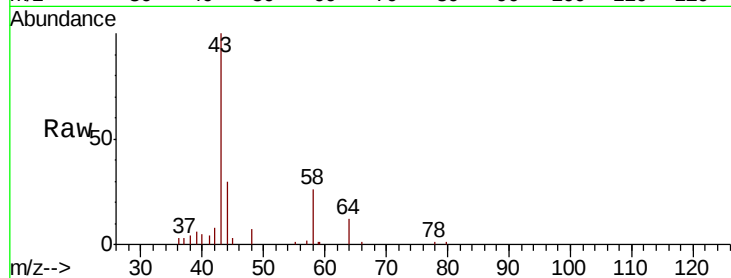
MW-294-SRI3

Tgt Ion: 43 Resp: 10520

Ion Ratio Lower Upper

43 100

58 25.8 26.4 39.6#



#17

Carbon Disulfide

Concen: 0.311 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004059.D

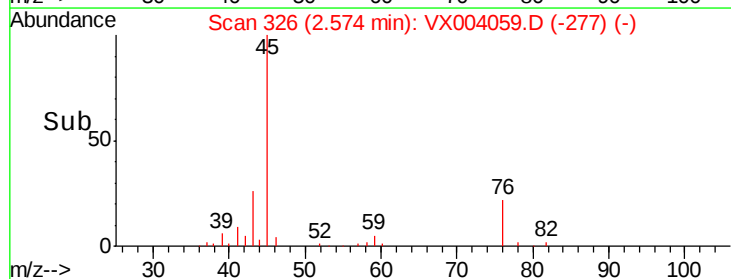
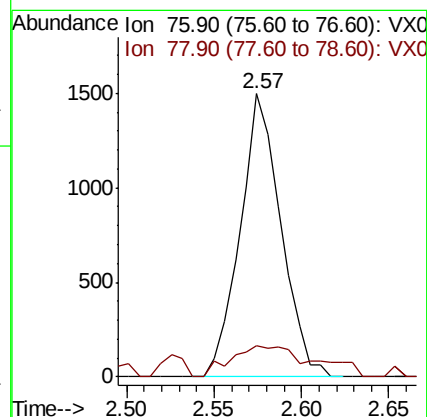
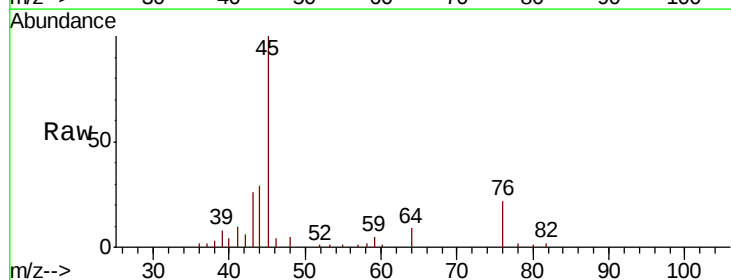
Acq: 15 Aug 2018 05:40

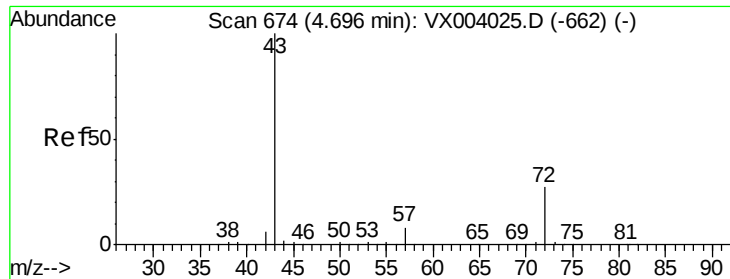
Tgt Ion: 76 Resp: 2425

Ion Ratio Lower Upper

76 100

78 11.0 7.5 11.3





#25

2-Butanone

Concen: 0.659 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

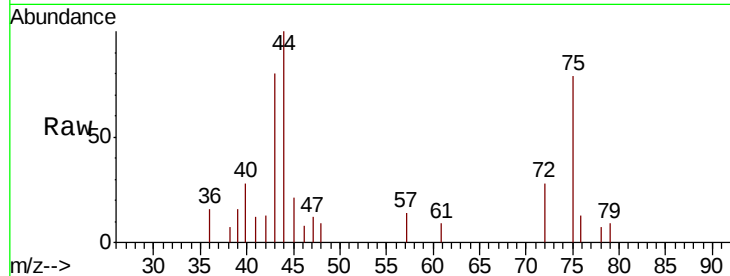
MW-294-SRI3

Tgt Ion: 43 Resp: 2052

Ion Ratio Lower Upper

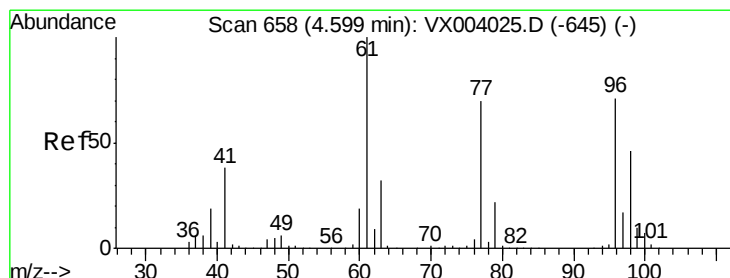
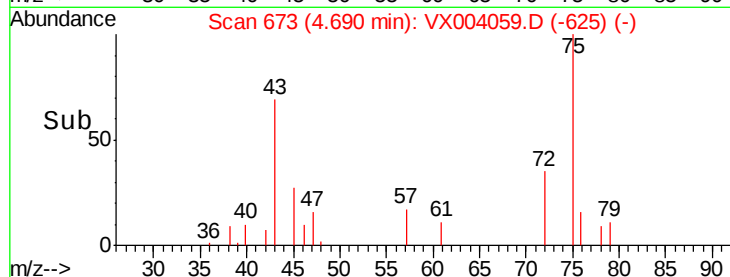
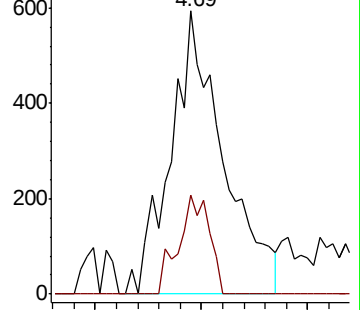
43 100

72 35.1 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.380 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

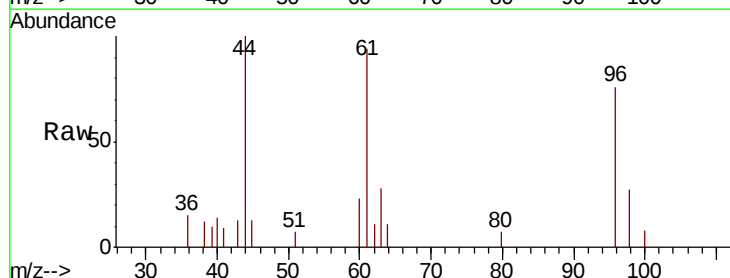
Tgt Ion: 96 Resp: 1333

Ion Ratio Lower Upper

96 100

61 241.0 0.0 293.0

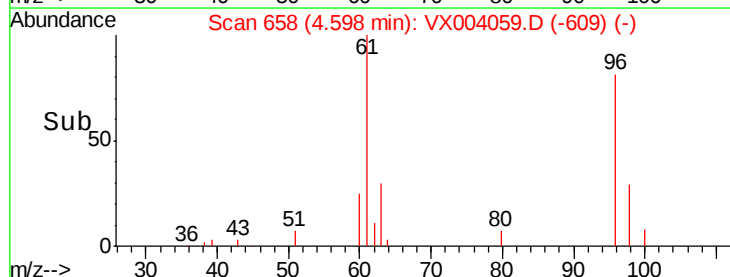
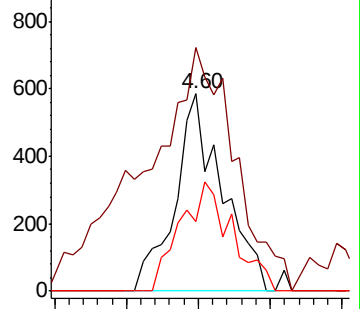
98 60.5 0.0 131.8

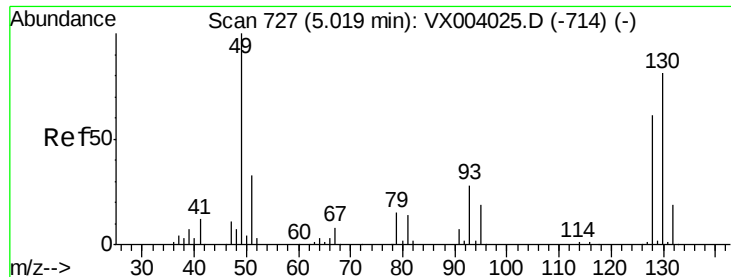


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: 0.334 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.20 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

MW-294-SRI3

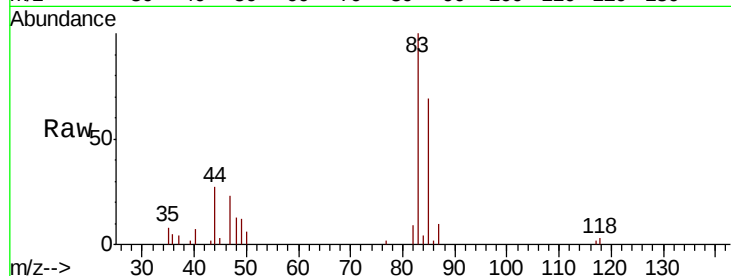
Tgt Ion: 49 Resp: 889

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

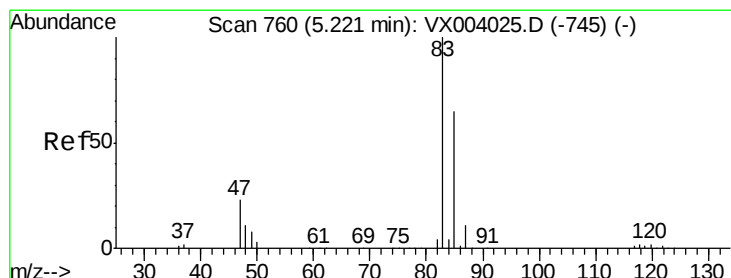
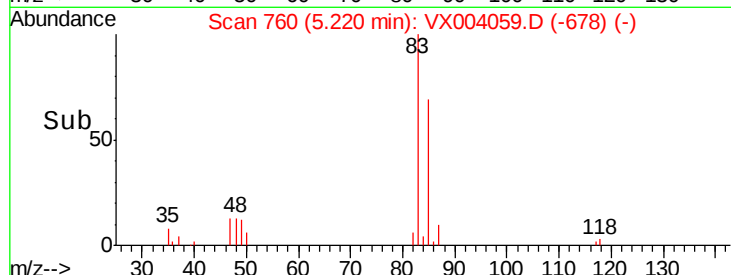
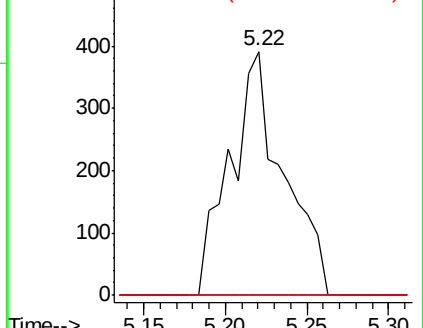
130 0.0 66.5 99.7#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 1.650 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX004059.D

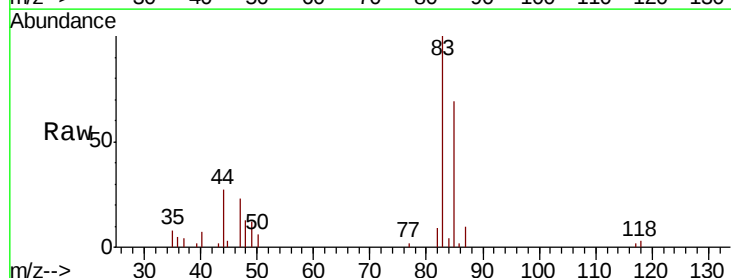
Acq: 15 Aug 2018 05:40

Tgt Ion: 83 Resp: 9340

Ion Ratio Lower Upper

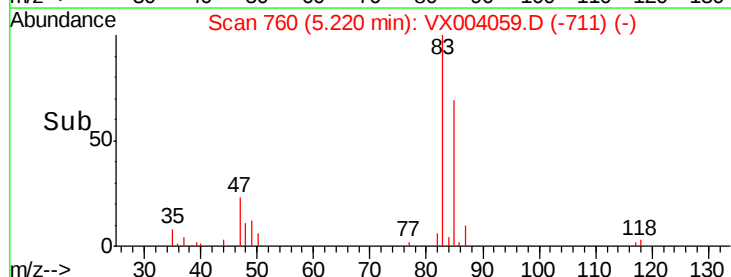
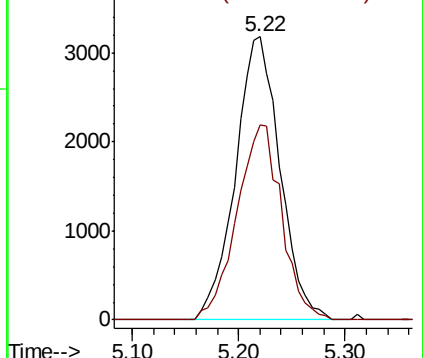
83 100

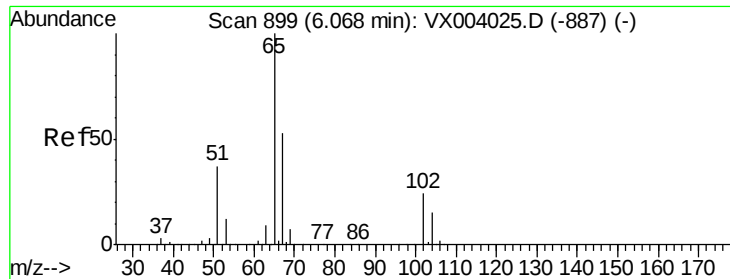
85 69.0 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.631 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

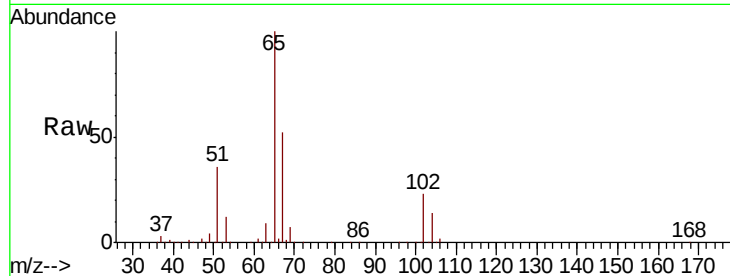
MW-294-SRI3

Tgt Ion: 65 Resp: 197301

Ion Ratio Lower Upper

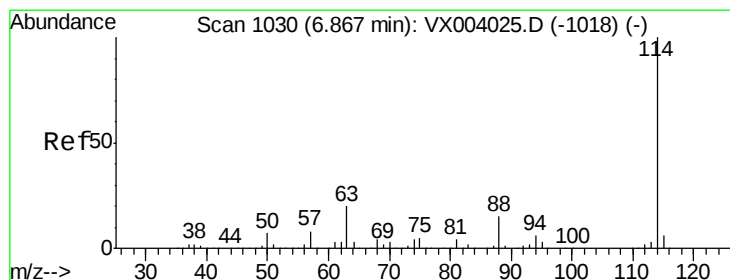
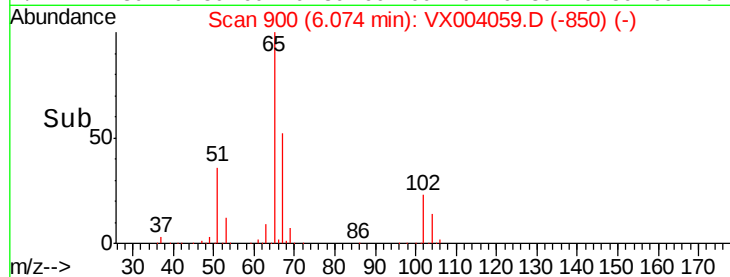
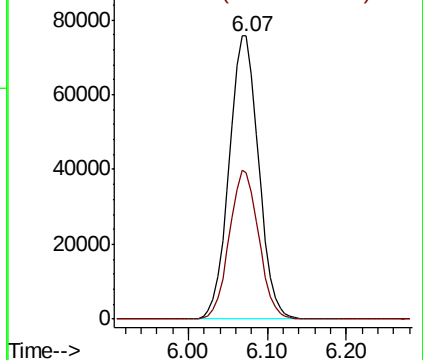
65 100

67 52.3 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: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

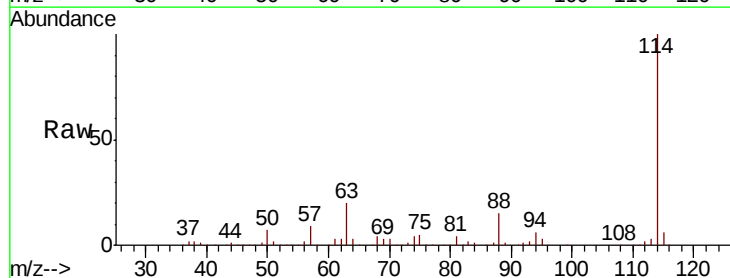
Tgt Ion: 114 Resp: 411164

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

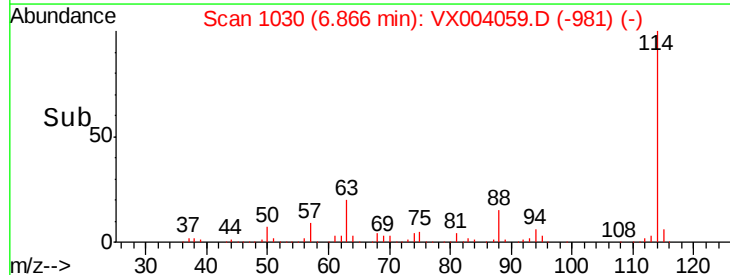
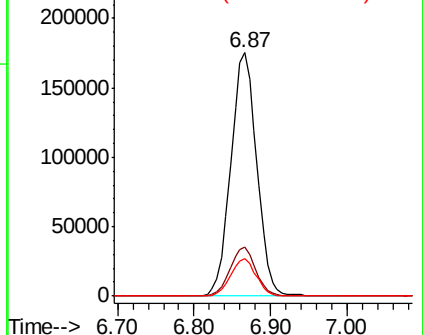
88 15.4 0.0 32.0

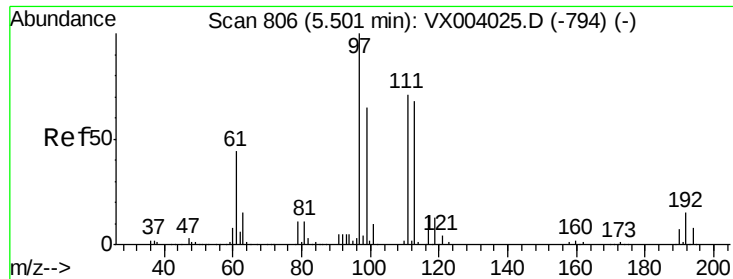


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

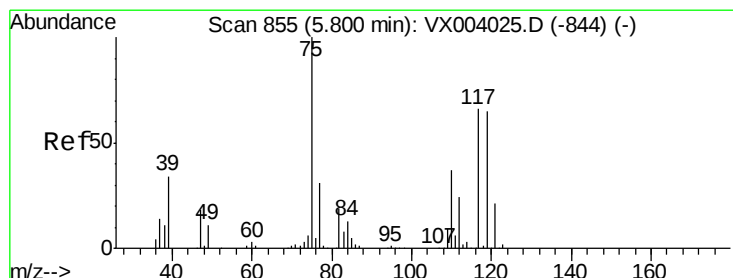
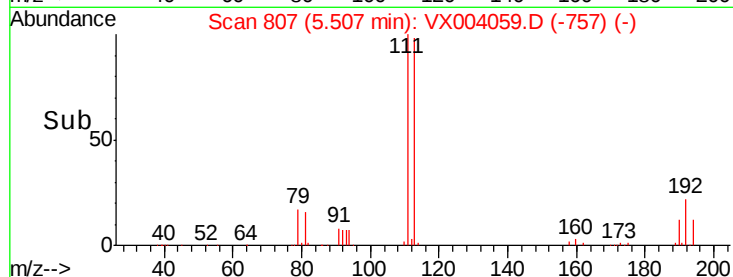
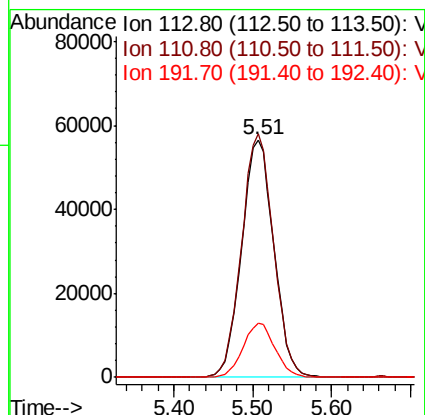
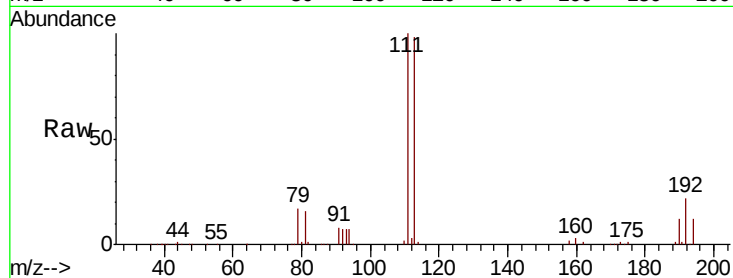




#35
 Dibromofluoromethane
 Concen: 52.152 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004059.D
 Acq: 15 Aug 2018 05:40

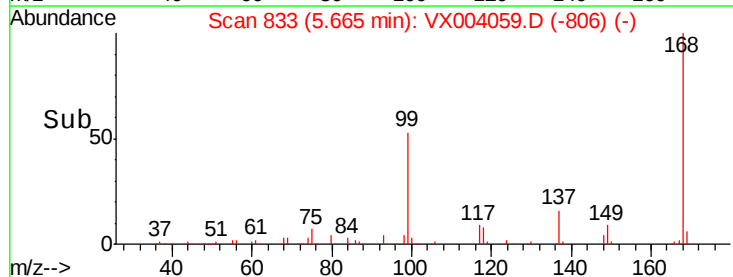
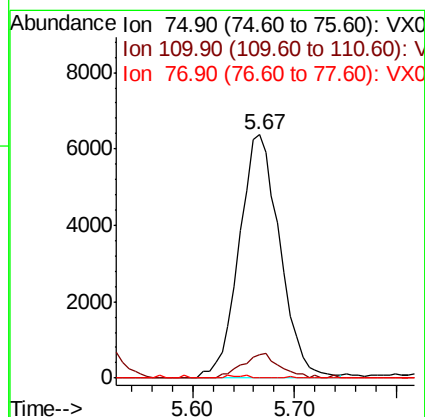
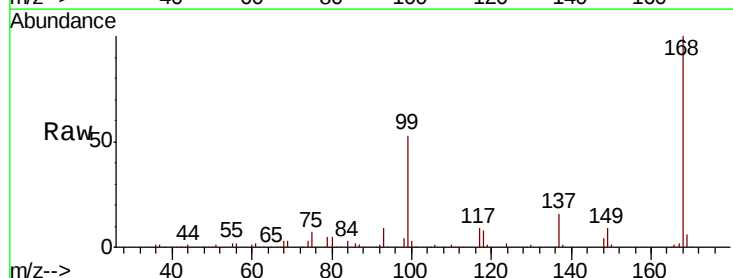
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-294-SRI3

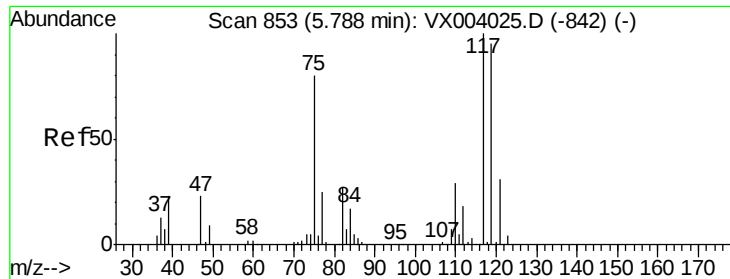
Tgt Ion:113 Resp: 160484
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.0 123.0
 192 22.6 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.772 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004059.D
 Acq: 15 Aug 2018 05:40

Tgt Ion: 75 Resp: 17650
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.2 54.6#
 77 0.5 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 3.110 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampled :

MW-294-SRI3

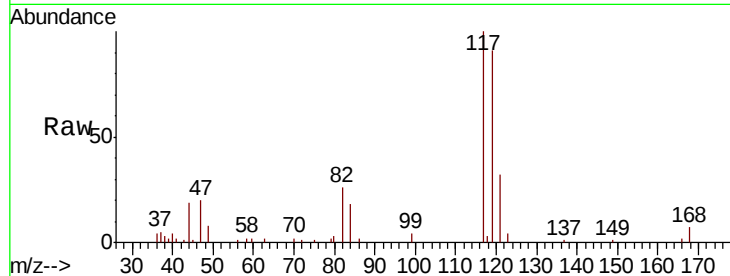
Tgt Ion:117 Resp: 14136

Ion Ratio Lower Upper

117 100

119 90.6 79.5 119.3

121 31.7 25.0 37.4

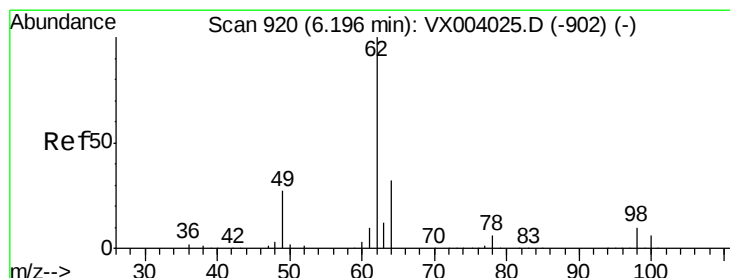
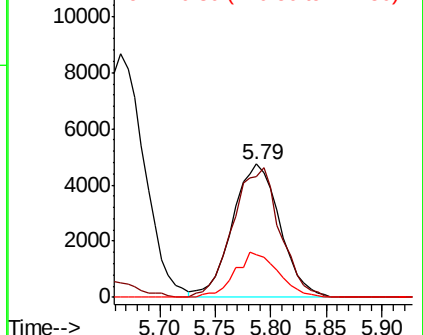
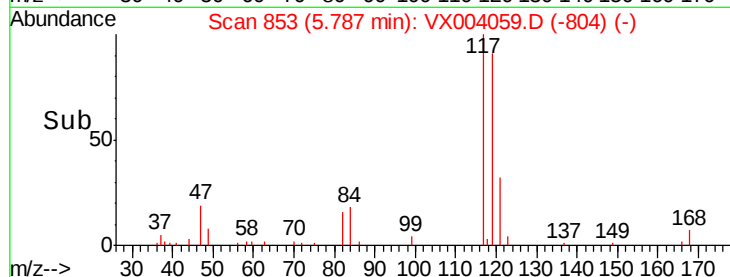


Abundance

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



#42

1,2-Dichloroethane

Concen: 0.209 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004059.D

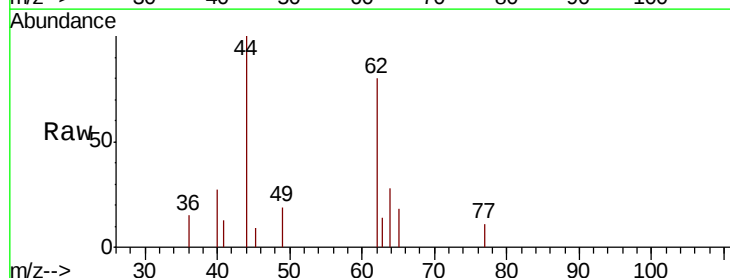
Acq: 15 Aug 2018 05:40

Tgt Ion: 62 Resp: 1029

Ion Ratio Lower Upper

62 100

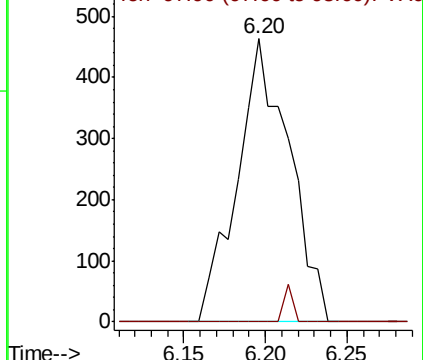
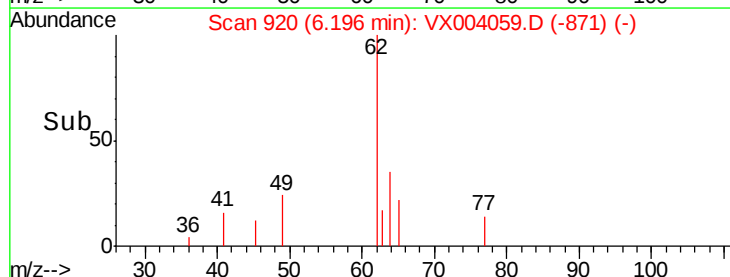
98 2.1 0.0 20.4

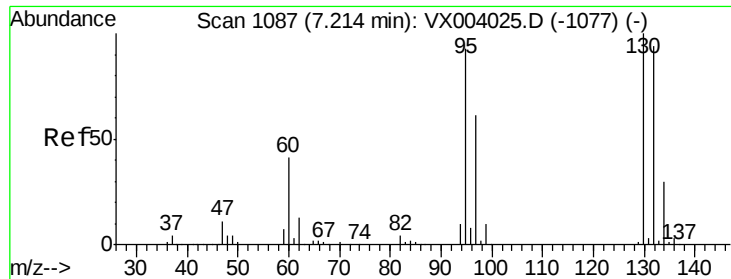


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 19.447 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

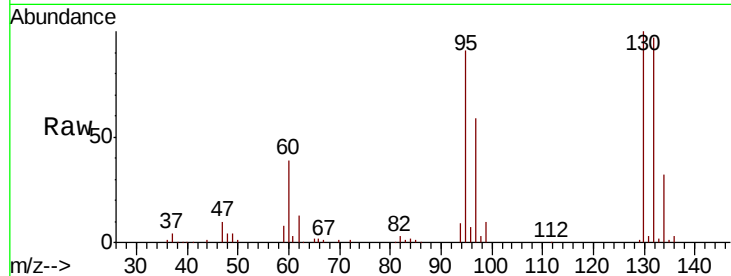
MW-294-SRI3

Tgt Ion:130 Resp: 74173

Ion Ratio Lower Upper

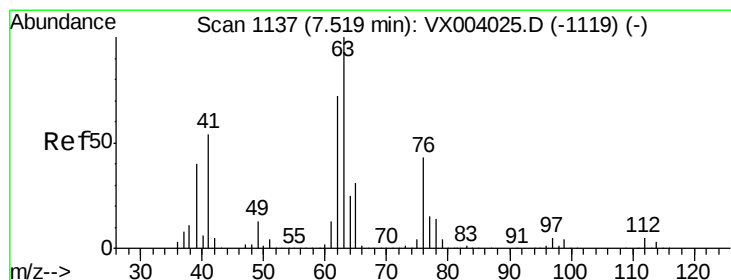
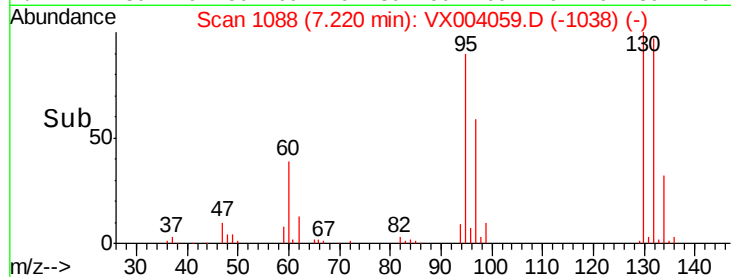
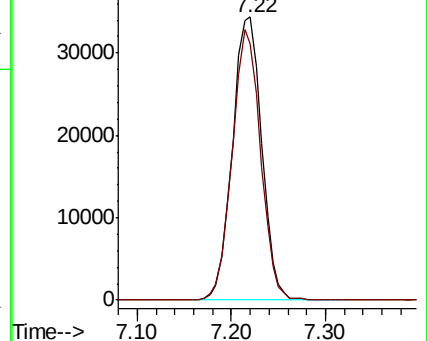
130 100

95 90.8 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.208 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004059.D

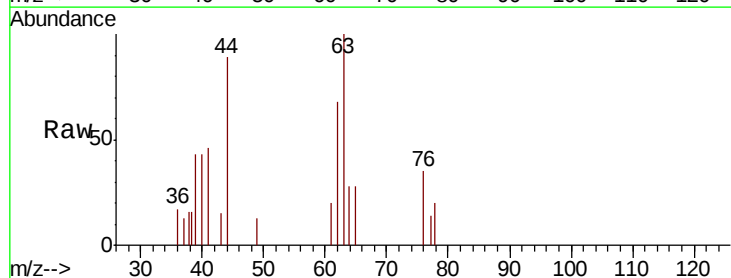
Acq: 15 Aug 2018 05:40

Tgt Ion: 63 Resp: 748

Ion Ratio Lower Upper

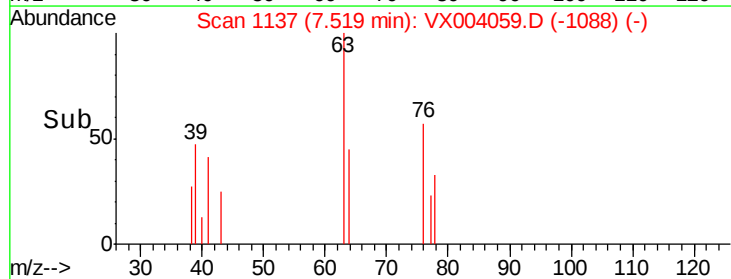
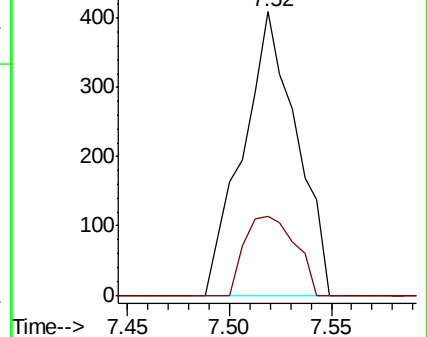
63 100

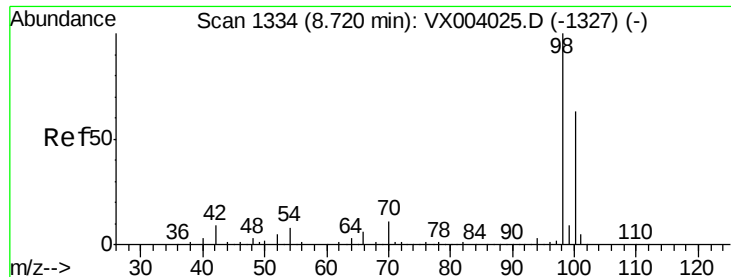
65 27.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#50

Toluene-d8

Concen: 47.594 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

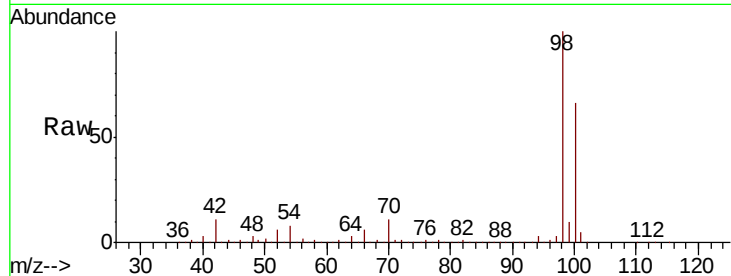
MW-294-SRI3

Tgt Ion: 98 Resp: 593802

Ion Ratio Lower Upper

98 100

100 65.1 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX004025.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX004025.D (-1327) (-)

8.72

400000

300000

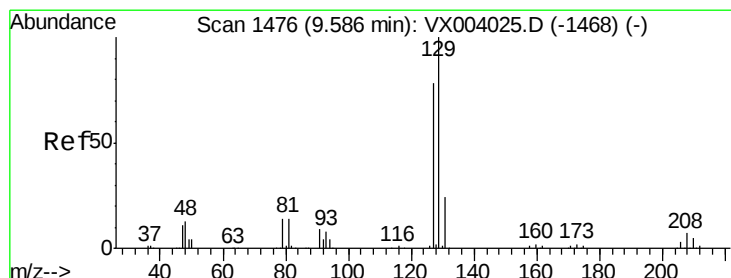
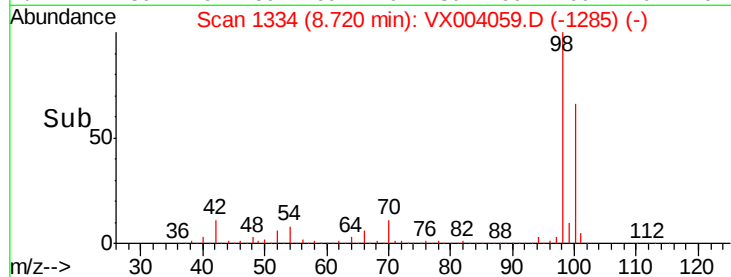
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#60

Dibromochloromethane

Concen: 18.856 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX004059.D

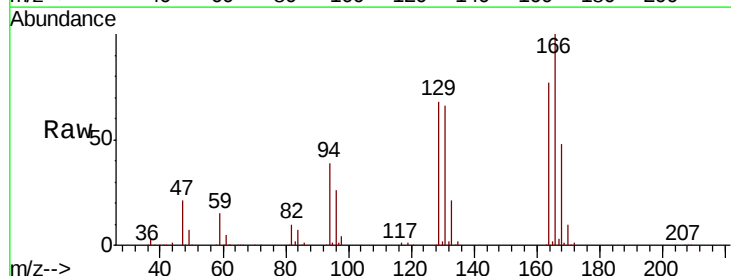
Acq: 15 Aug 2018 05:40

Tgt Ion: 129 Resp: 66580

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#



Abundance Ion 128.80 (128.50 to 129.50): VX004025.D (-1468) (-)

Ion 126.80 (126.50 to 127.50): VX004025.D (-1468) (-)

9.34

50000

40000

30000

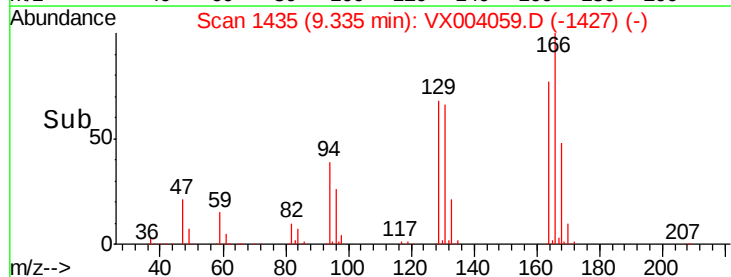
20000

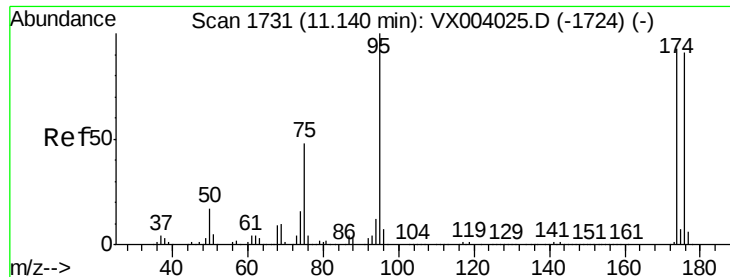
10000

0

9.25 9.30 9.35 9.40

Time-->

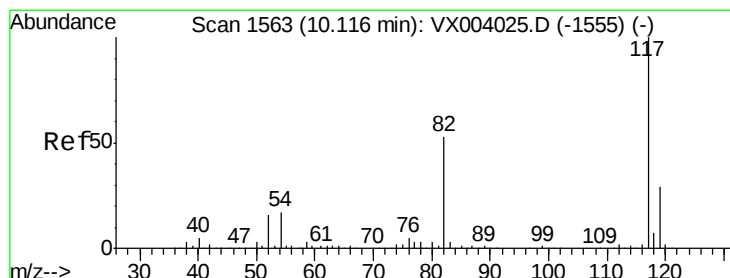
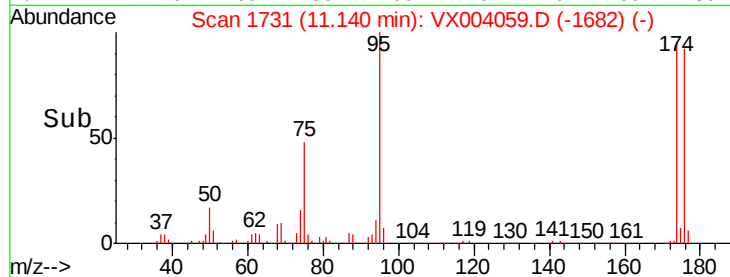
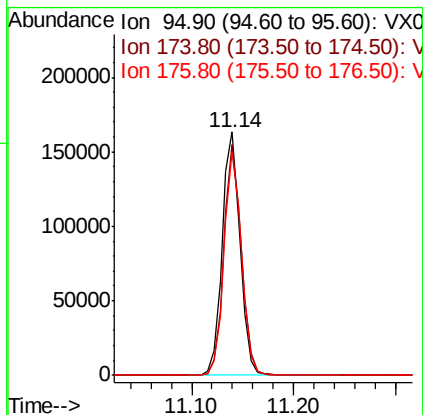
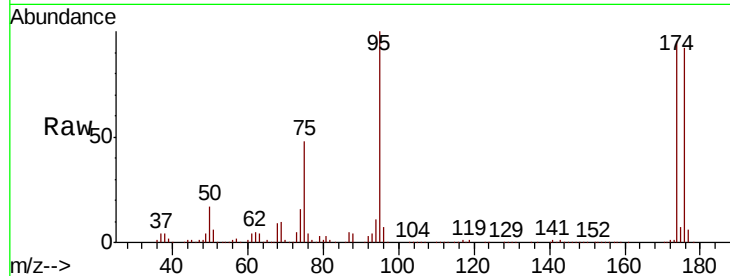




#62
4-Bromofluorobenzene
Concen: 44.278 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004059.D
Acq: 15 Aug 2018 05:40

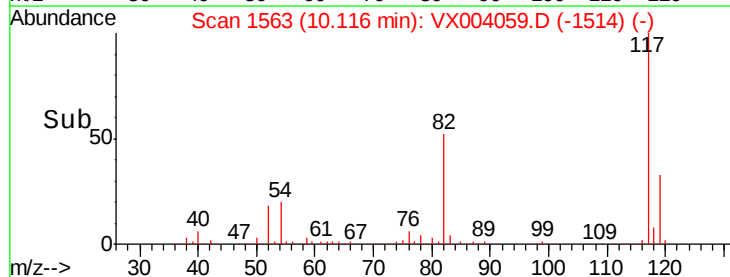
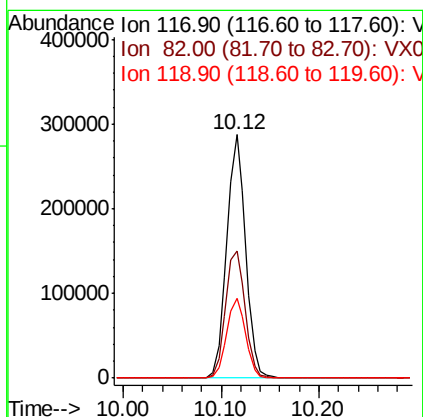
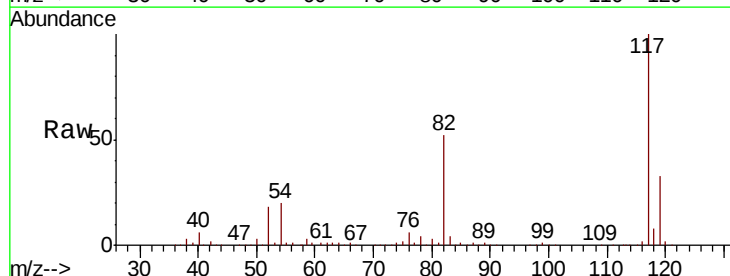
Instrument :
MSVOA_X
ClientSampleId :
MW-294-SRI3

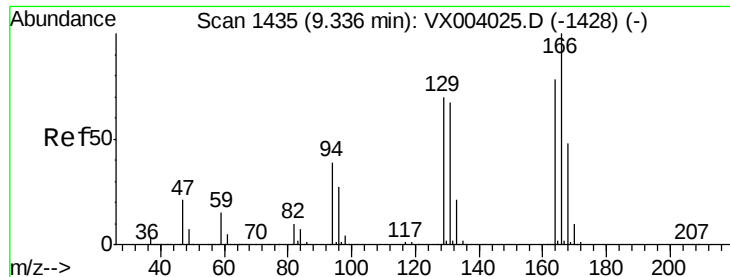
Tgt Ion: 95 Resp: 200363
Ion Ratio Lower Upper
95 100
174 92.5 0.0 182.8
176 89.4 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004059.D
Acq: 15 Aug 2018 05:40

Tgt Ion: 117 Resp: 384942
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.0
119 32.9 26.6 40.0





#64

Tetrachloroethene

Concen: 20.980 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampled :

MW-294-SRI3

Tgt Ion:164 Resp: 76545

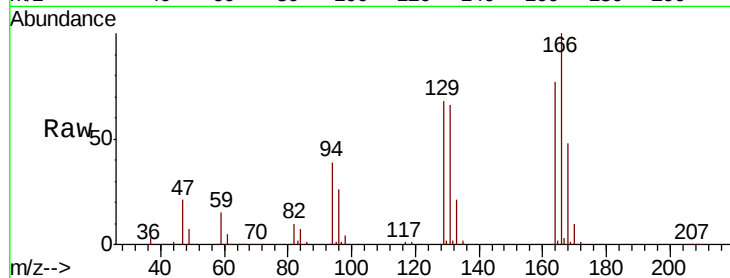
Ion Ratio Lower Upper

164 100

166 130.6 98.0 147.0

129 89.4 64.3 96.5

131 86.6 66.8 100.2

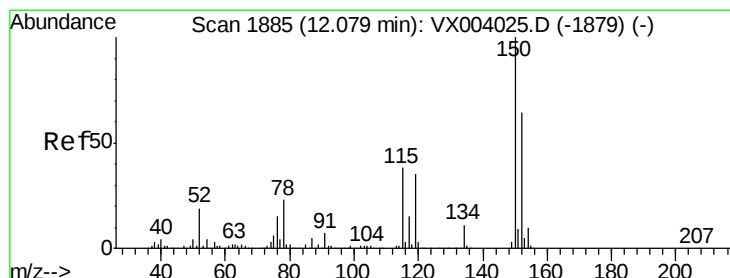
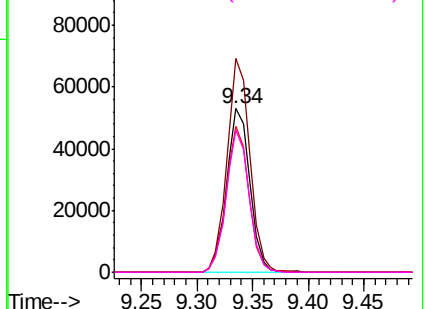
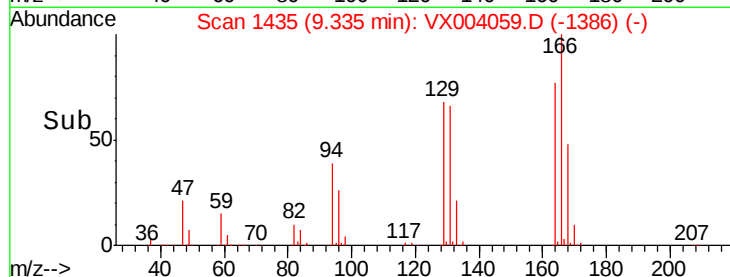


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

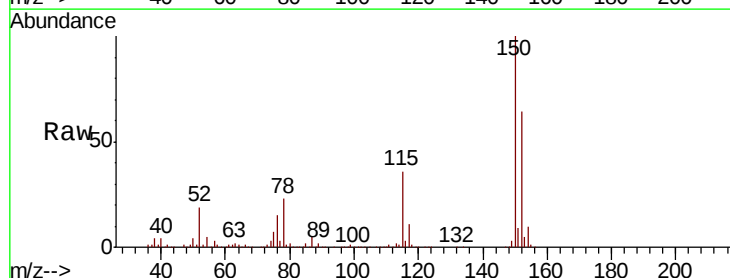
Tgt Ion:152 Resp: 212720

Ion Ratio Lower Upper

152 100

115 54.7 39.1 117.3

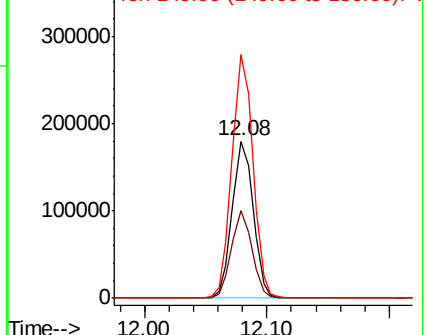
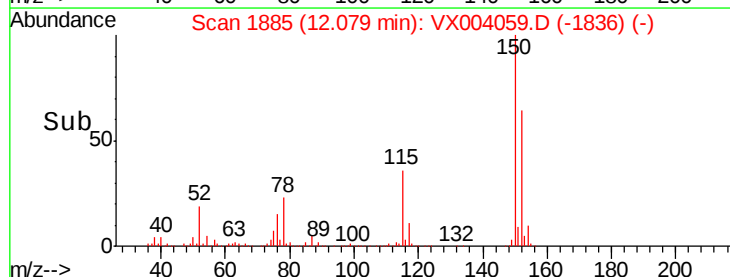
150 155.4 0.0 349.2

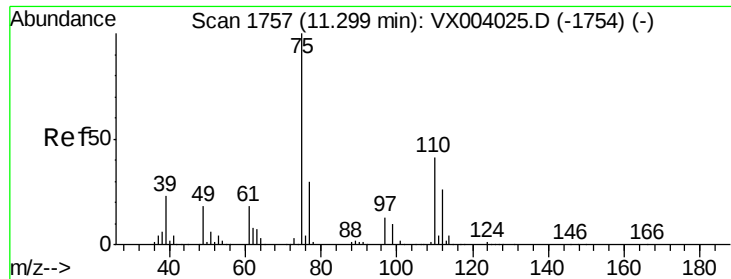


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.820 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

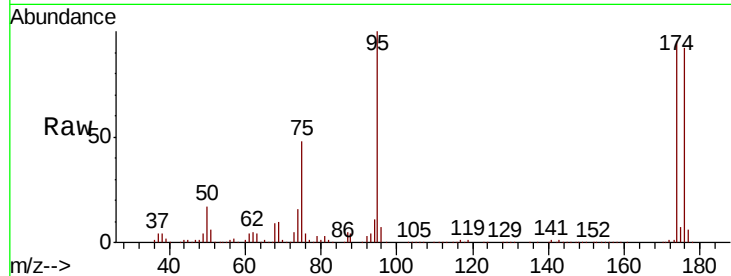
MW-294-SRI3

Tgt Ion: 75 Resp: 97350

Ion Ratio Lower Upper

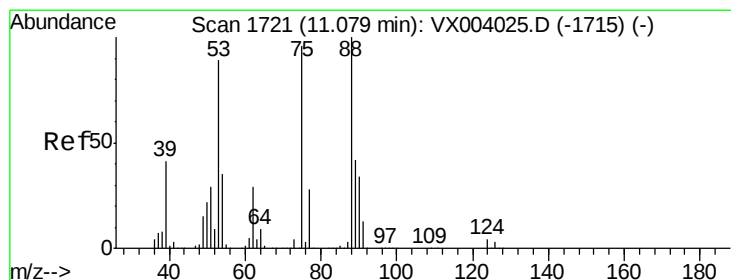
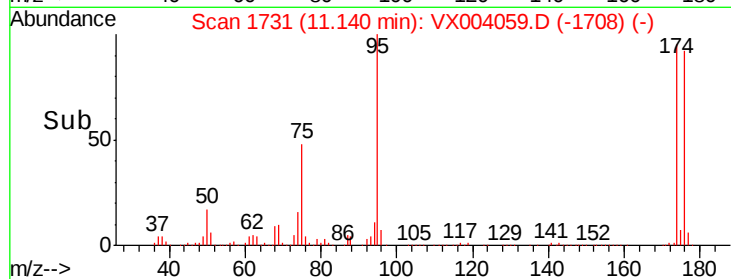
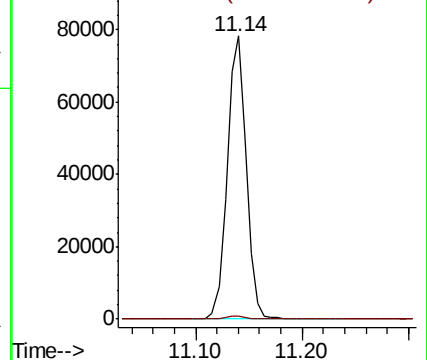
75 100

77 1.3 20.8 62.5#



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: 70.641 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004059.D

Acq: 15 Aug 2018 05:40

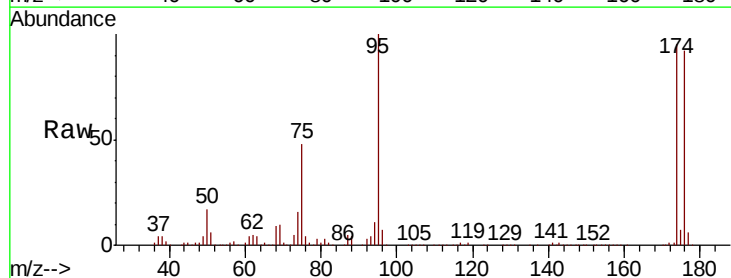
Tgt Ion: 75 Resp: 97350

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

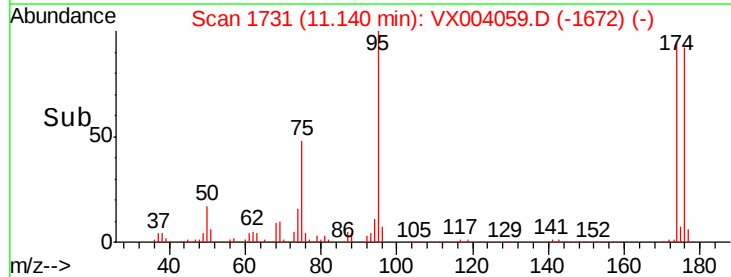
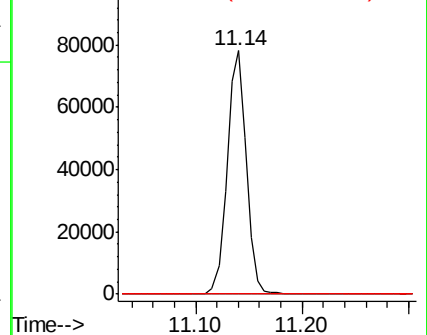
89 0.0 37.8 56.8#

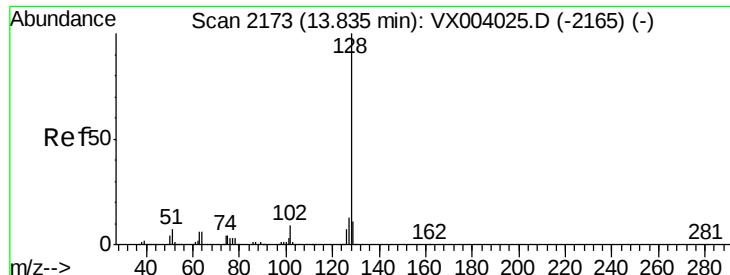


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.166 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004059.D
Acq: 15 Aug 2018 05:40

Instrument :
MSVOA_X
ClientSampleId :
MW-294-SRI3

Tgt Ion:128 Resp: 331
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

