

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004064.D
 Acq On : 15 Aug 2018 07:53
 Operator : JC/MD
 Sample : J4439-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-302-SRI3

Quant Time: Aug 15 09:41:55 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	276044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	433056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	414101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221692	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	206940	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	5.51	113	167477	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	8.72	98	623186	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	11.14	95	211248	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	

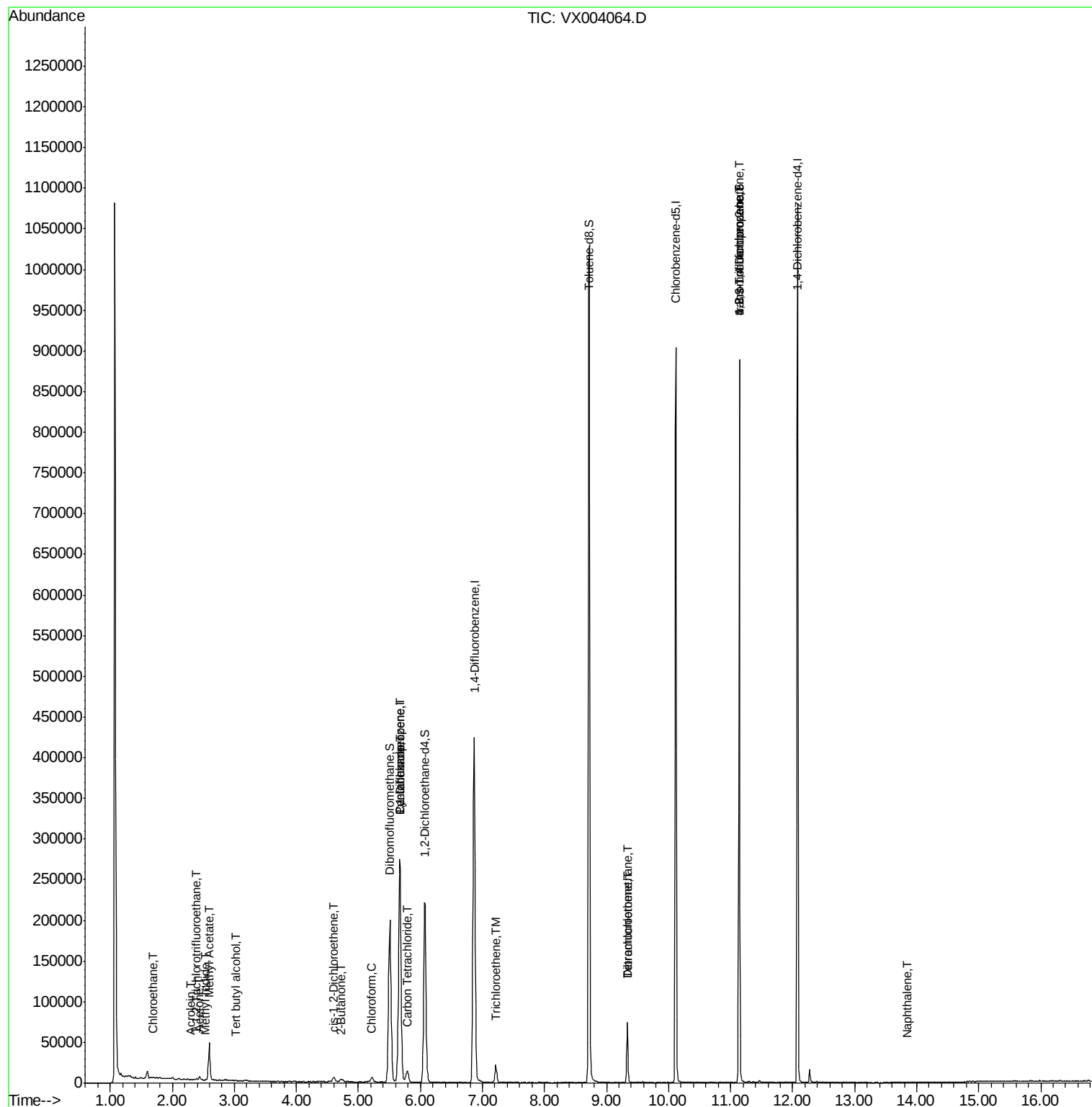
Target Compounds						Qvalue
6) Chloroethane	1.70	64	8307	1.825	ug/l #	53
9) 1,1,2-Trichlorotrifluoroet	2.39	101	736	0.236	ug/l	95
10) Methyl Iodide	2.53	142	253	5.078	ug/l #	86
11) Tert butyl alcohol	3.03	59	217	0.277	ug/l #	73
13) Acrolein	2.29	56	45	11.030	ug/l #	23
16) Acetone	2.43	43	4815	2.381	ug/l	95
18) Methyl Acetate	2.59	43	13663	3.041	ug/l #	52
20) Methylene Chloride	2.86	84	259	Below Cal	#	76
25) 2-Butanone	4.71	43	1256	0.382	ug/l #	86
27) cis-1,2-Dichloroethene	4.59	96	3341	0.901	ug/l	67
30) Chloroform	5.21	83	6020	1.006	ug/l	90
31) Cyclohexane	5.67	56	5130	0.954	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19083	3.873	ug/l #	50
38) Carbon Tetrachloride	5.79	117	12759	2.665	ug/l	93
44) Trichloroethene	7.21	130	8628	2.148	ug/l	96
60) Dibromochloromethane	9.34	129	13134	3.532	ug/l #	11
64) Tetrachloroethene	9.34	164	14923	3.802	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	102520	23.060	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	102520	71.382	ug/l #	9
95) Naphthalene	13.83	128	266	1.161	ug/l #	69

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

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
Data File : VX004064.D
Acq On : 15 Aug 2018 07:53
Operator : JC/MD
Sample : J4439-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-302-SRI3

Quant Time: Aug 15 09:41:55 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampled :

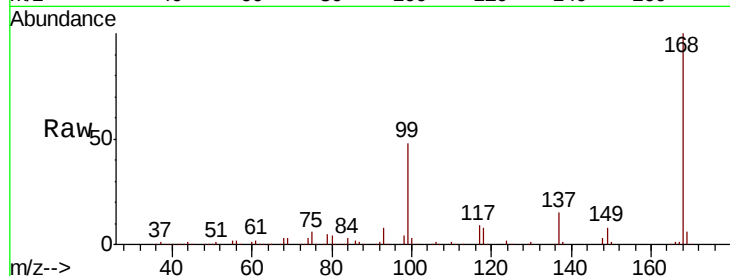
MW-302-SRI3

Tgt Ion:168 Resp: 276044

Ion Ratio Lower Upper

168 100

99 47.8 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

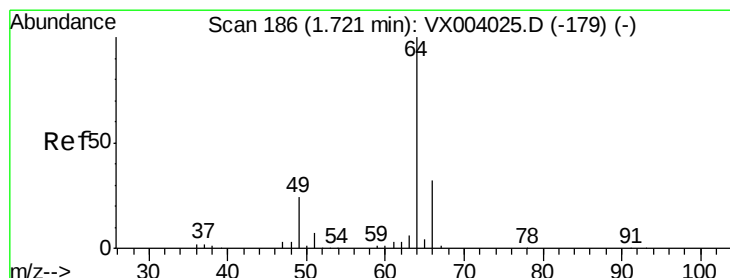
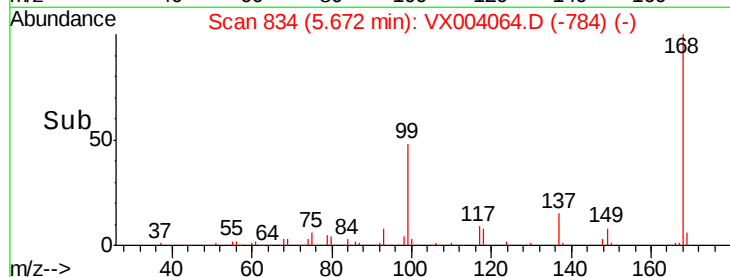
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.825 ug/l

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX004064.D

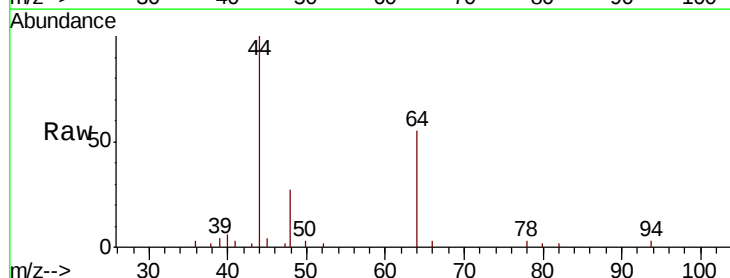
Acq: 15 Aug 2018 07:53

Tgt Ion: 64 Resp: 8307

Ion Ratio Lower Upper

64 100

66 6.7 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

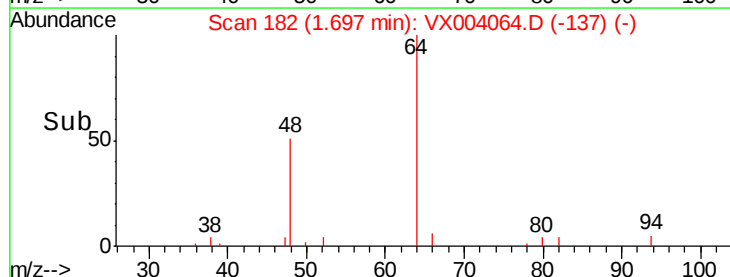
1000

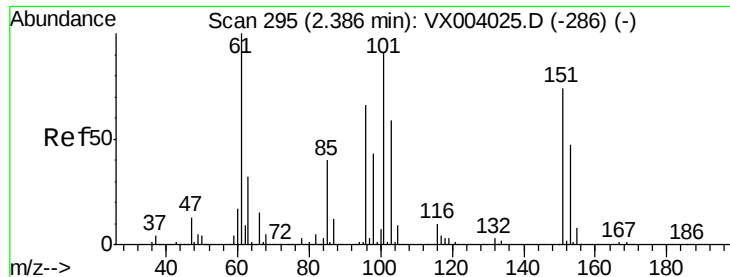
500

0

Time-->

1.50 1.60 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.236 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampleId :

MW-302-SRI3

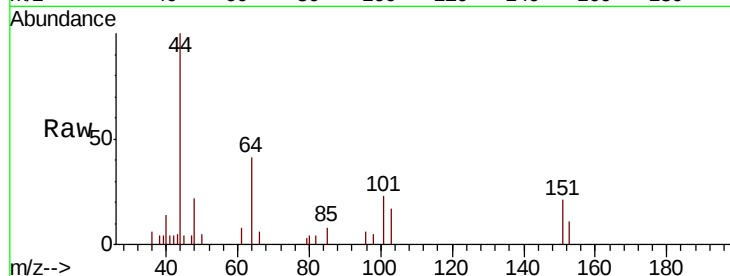
Tgt Ion:101 Resp: 736

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

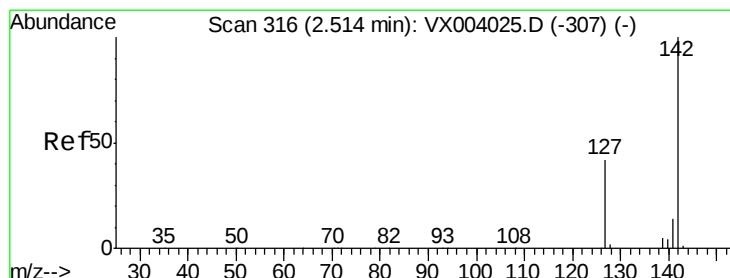
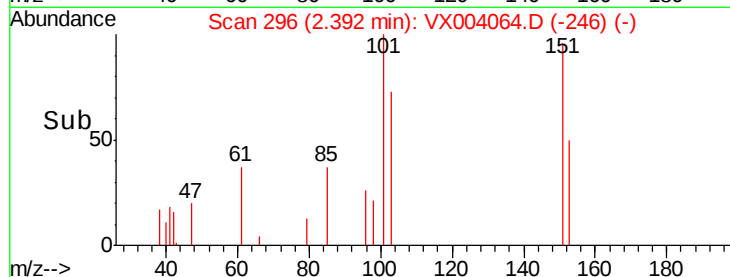
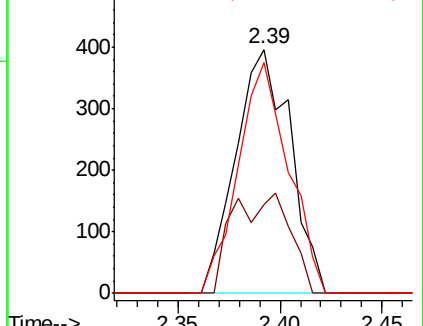
151 87.8 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.078 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

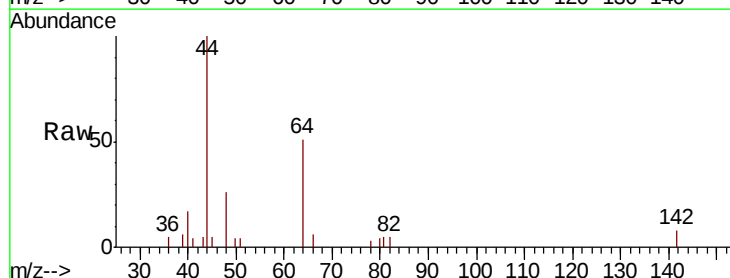
Tgt Ion:142 Resp: 253

Ion Ratio Lower Upper

142 100

127 37.2 33.1 49.7

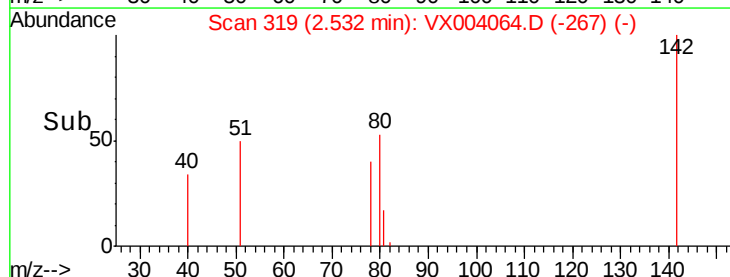
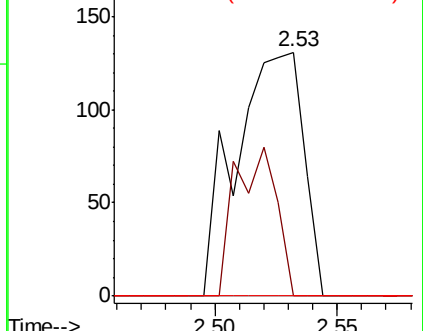
141 0.0 11.1 16.7#

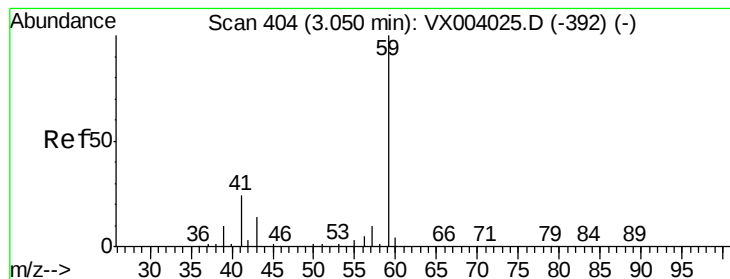


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.277 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.02 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampled :

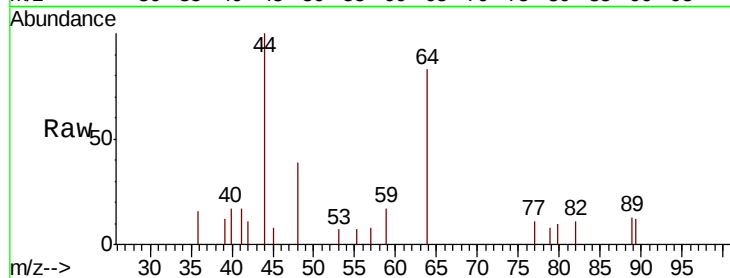
MW-302-SRI3

Tgt Ion: 59 Resp: 217

Ion Ratio Lower Upper

59 100

57 20.3 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

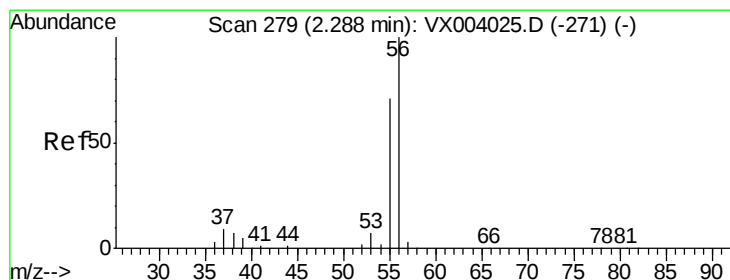
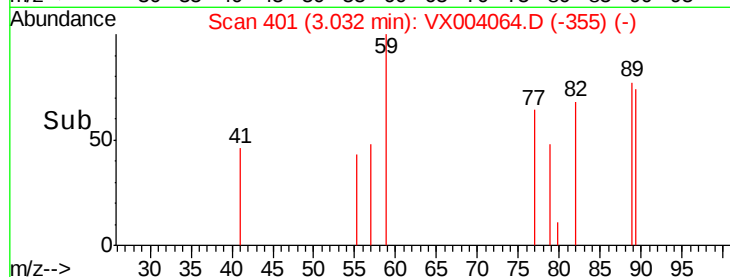
100

50

0

3.00 3.02 3.04 3.06 3.08

Time-->



#13

Acrolein

Concen: 11.030 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004064.D

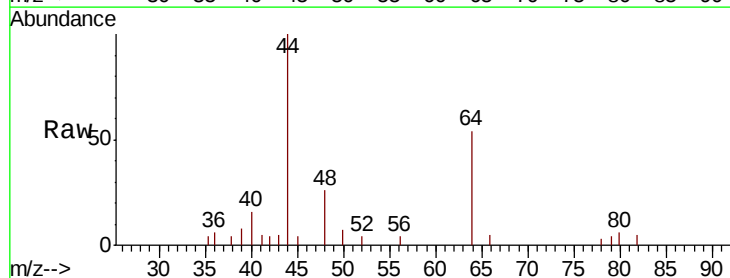
Acq: 15 Aug 2018 07:53

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 133.3 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80

60

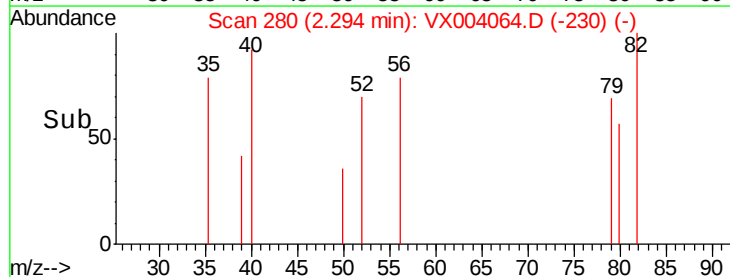
40

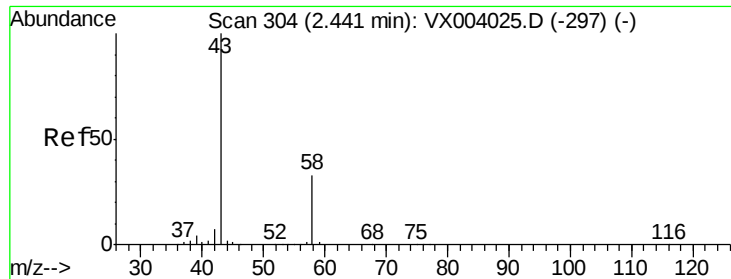
20

0

2.27 2.28 2.29 2.30 2.31

Time-->





#16

Acetone

Concen: 2.381 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampleId :

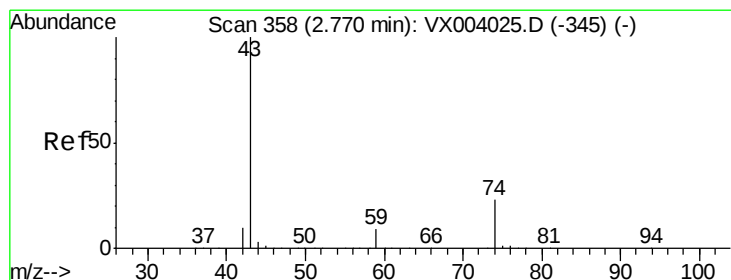
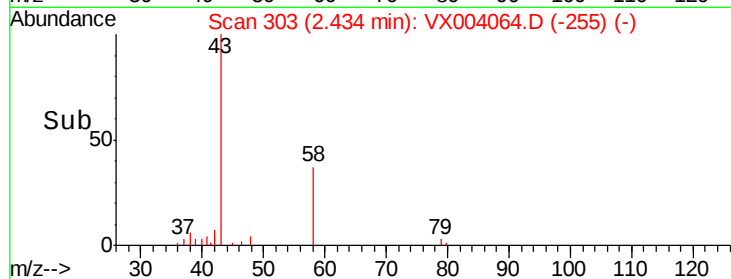
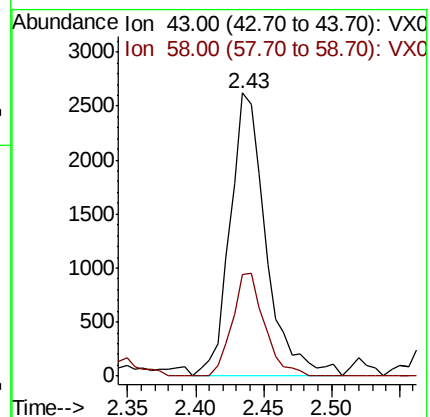
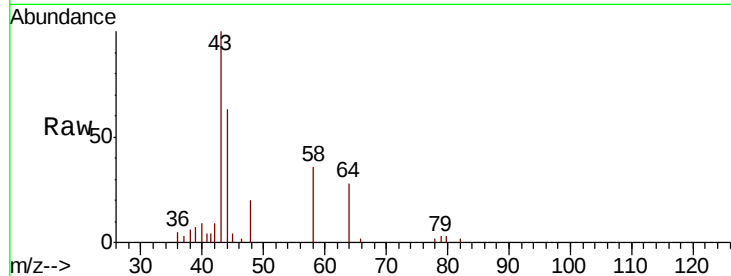
MW-302-SRI3

Tgt Ion: 43 Resp: 4815

Ion Ratio Lower Upper

43 100

58 35.8 26.4 39.6



#18

Methyl Acetate

Concen: 3.041 ug/l

RT: 2.59 min Scan# 329

Delta R.T. -0.18 min

Lab File: VX004064.D

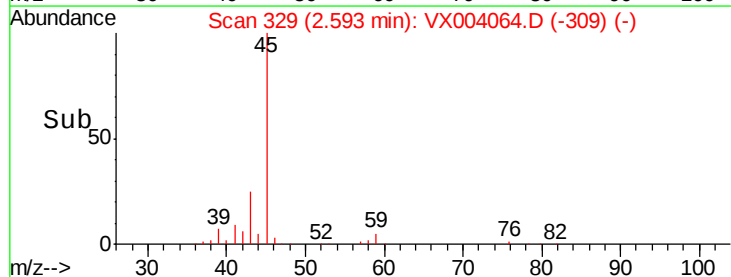
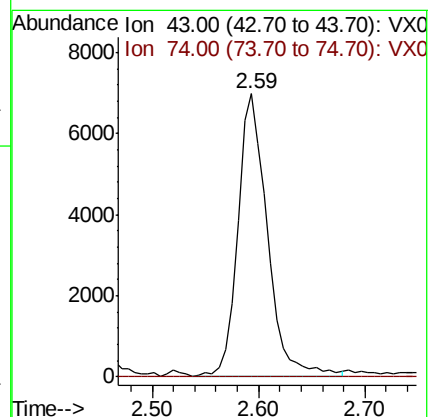
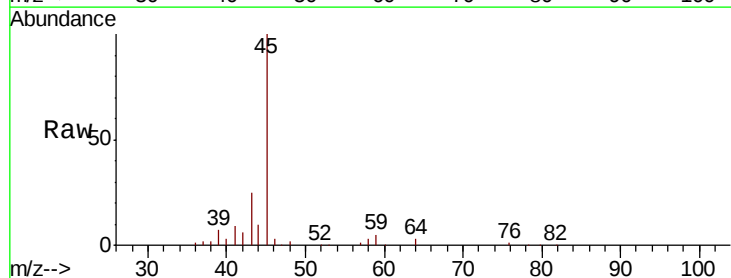
Acq: 15 Aug 2018 07:53

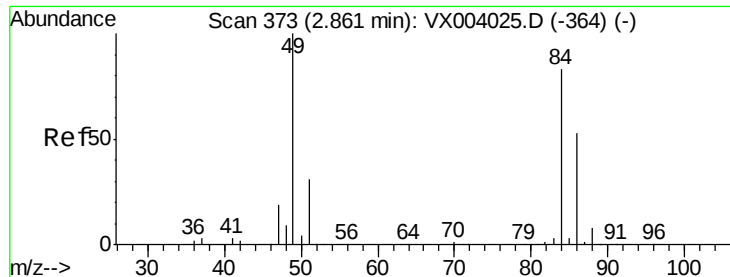
Tgt Ion: 43 Resp: 13663

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#

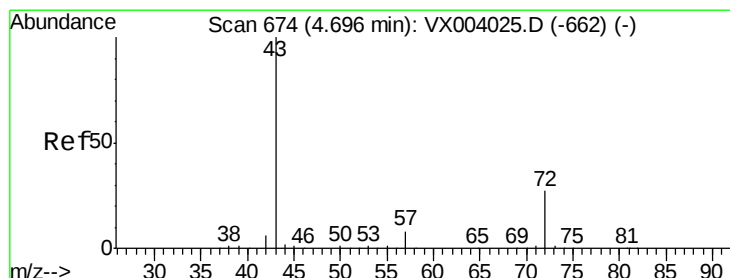
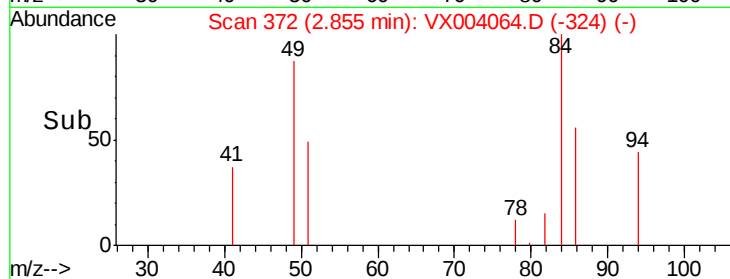
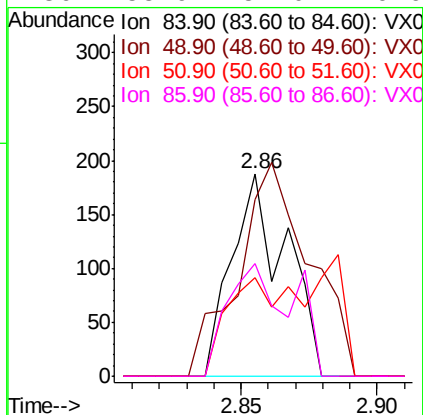
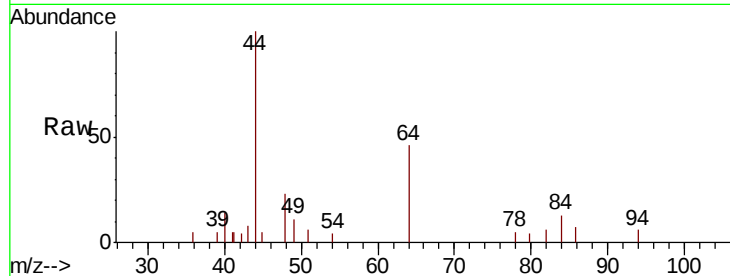




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004064.D
Acq: 15 Aug 2018 07:53

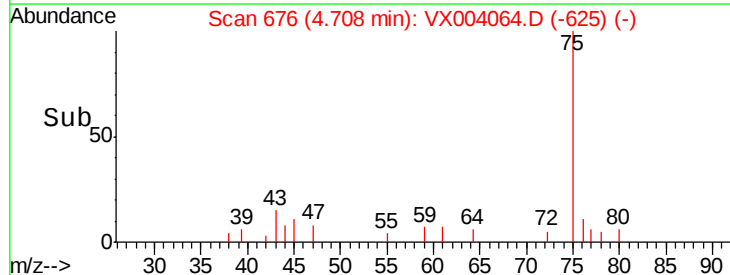
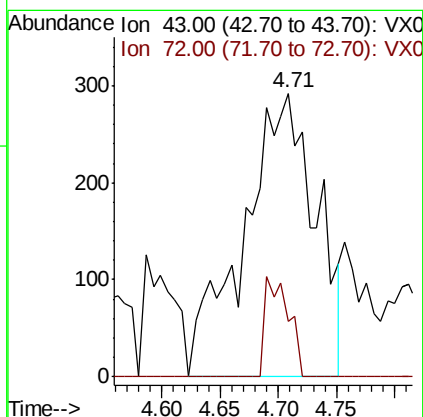
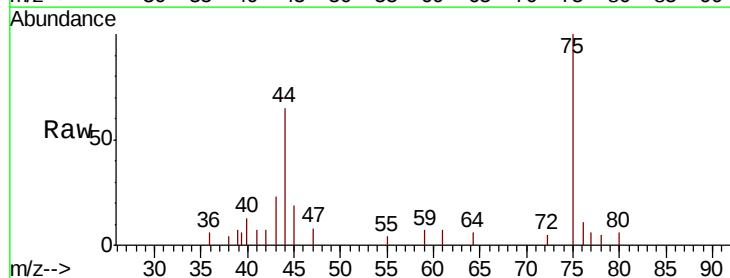
Instrument :
MSVOA_X
ClientSampleId :
MW-302-SRI3

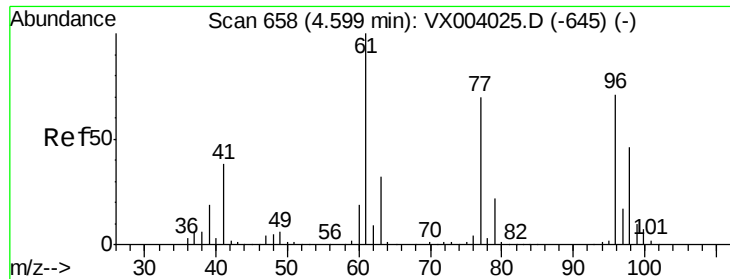
Tgt Ion: 84 Resp: 259
Ion Ratio Lower Upper
84 100
49 87.2 98.9 148.3#
51 48.9 29.9 44.9#
86 55.9 51.0 76.6



#25
2-Butanone
Concen: 0.382 ug/l
RT: 4.71 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX004064.D
Acq: 15 Aug 2018 07:53

Tgt Ion: 43 Resp: 1256
Ion Ratio Lower Upper
43 100
72 19.5 21.4 32.0#



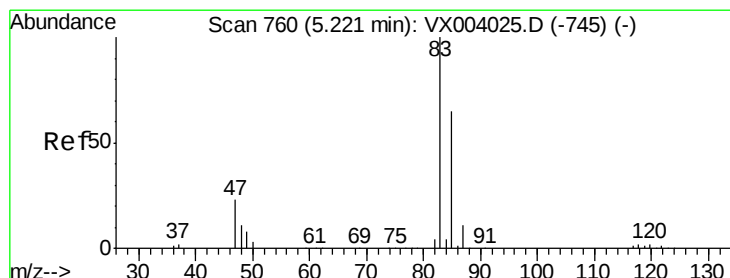
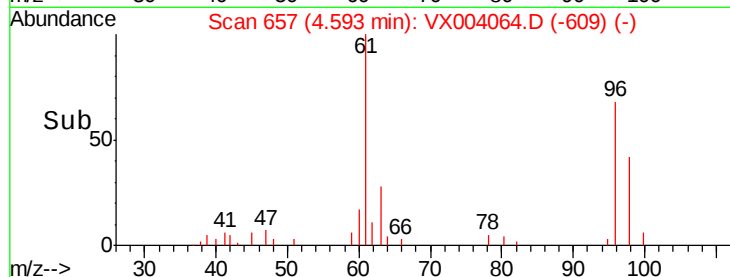
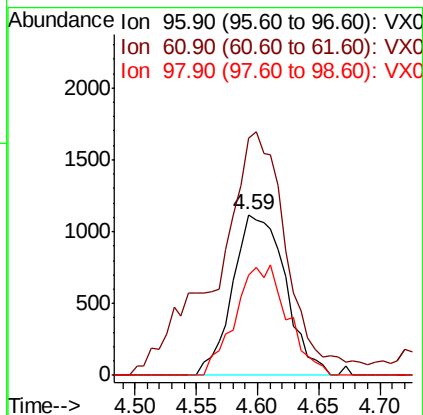
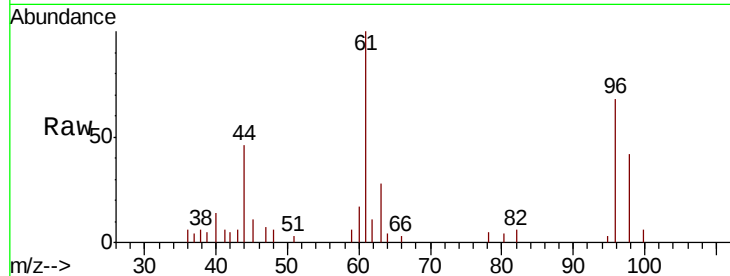


#27

cis-1,2-Dichloroethene
 Concen: 0.901 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004064.D
 Acq: 15 Aug 2018 07:53

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-302-SRI3

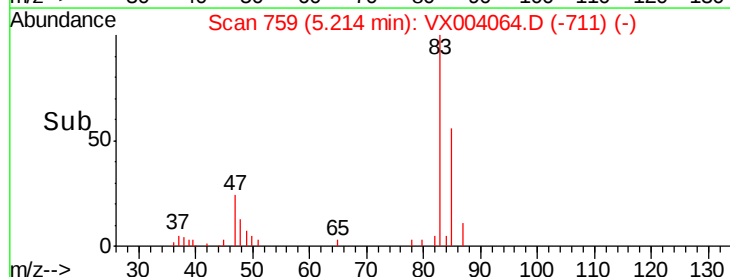
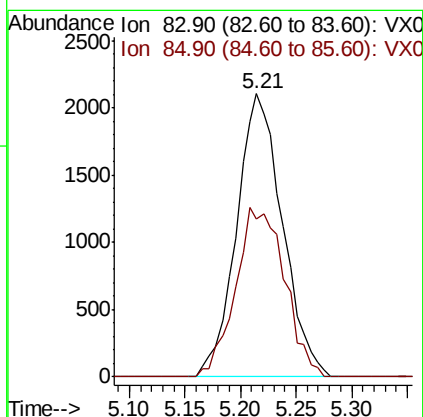
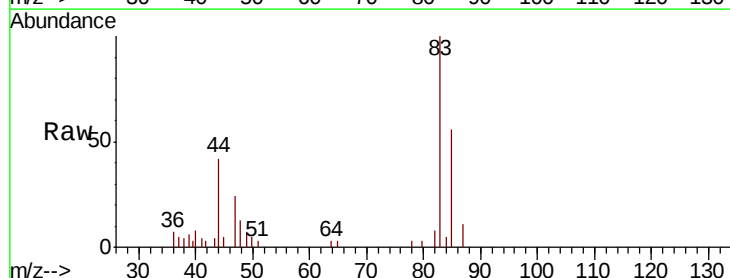
Tgt Ion: 96 Resp: 3341
 Ion Ratio Lower Upper
 96 100
 61 204.9 0.0 293.0
 98 67.8 0.0 131.8

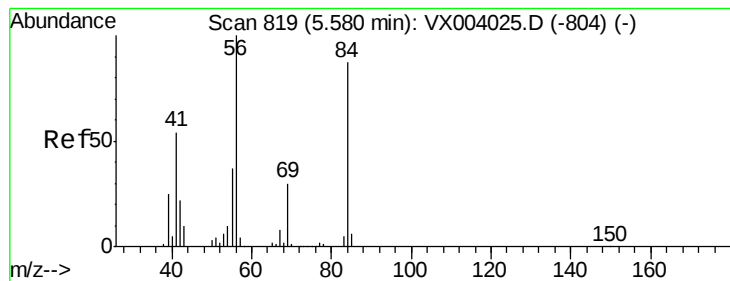


#30

Chloroform
 Concen: 1.006 ug/l
 RT: 5.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VX004064.D
 Acq: 15 Aug 2018 07:53

Tgt Ion: 83 Resp: 6020
 Ion Ratio Lower Upper
 83 100
 85 56.0 50.7 76.1





#31

Cyclohexane

Concen: 0.954 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampleId :

MW-302-SRI3

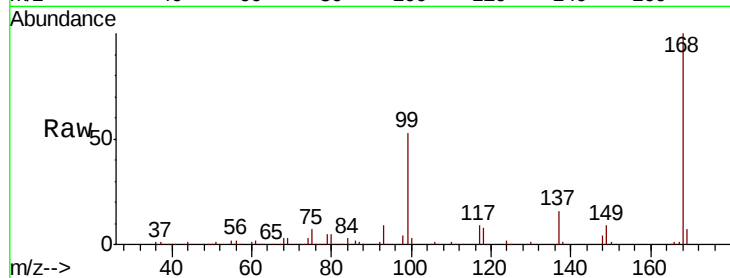
Tgt Ion: 56 Resp: 5130

Ion Ratio Lower Upper

56 100

69 195.7 24.9 37.3#

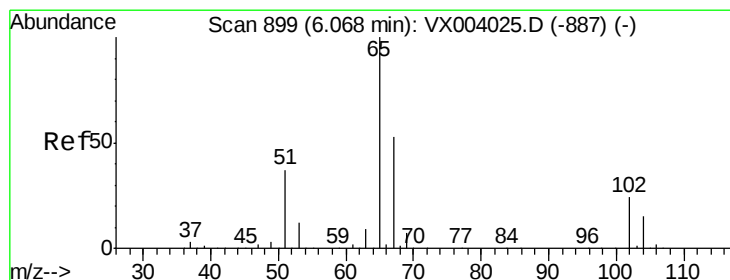
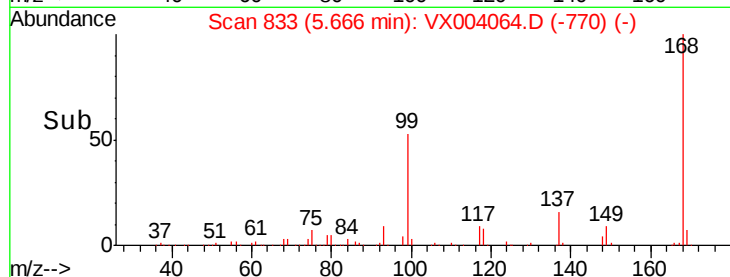
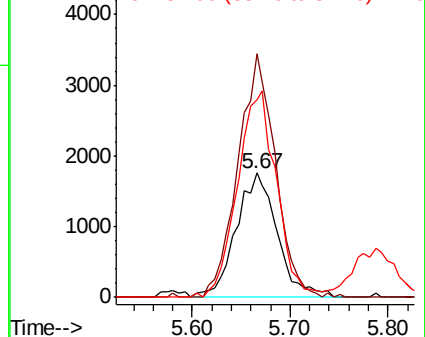
84 159.0 71.7 107.5#



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: 53.207 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX004064.D

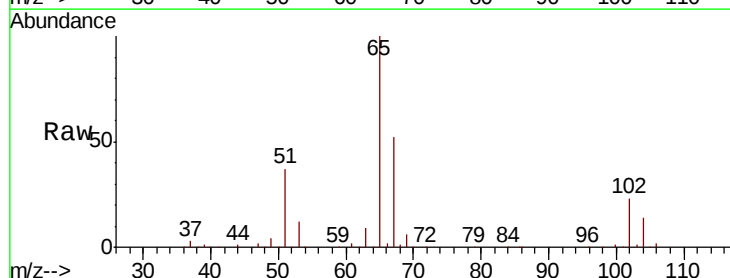
Acq: 15 Aug 2018 07:53

Tgt Ion: 65 Resp: 206940

Ion Ratio Lower Upper

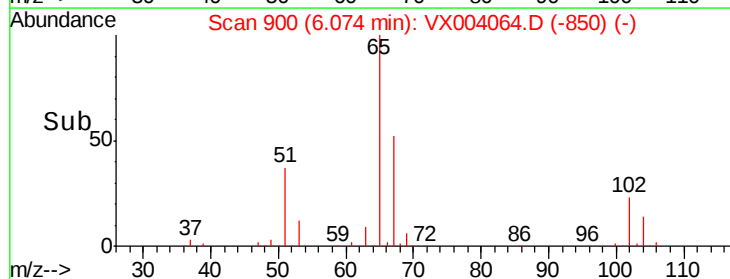
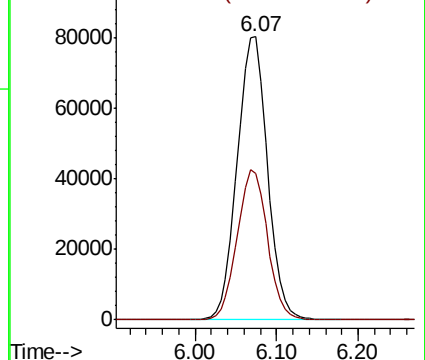
65 100

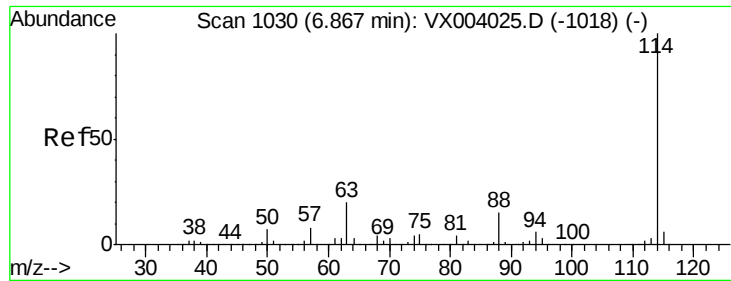
67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampleId :

MW-302-SRI3

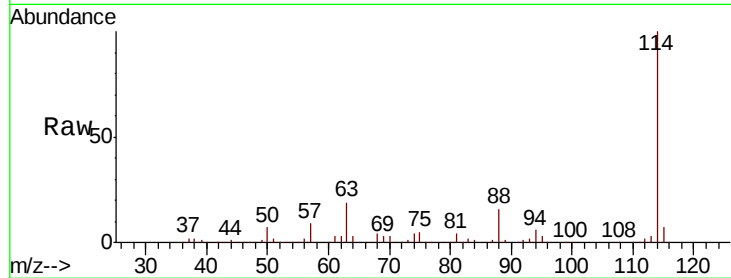
Tgt Ion:114 Resp: 433056

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

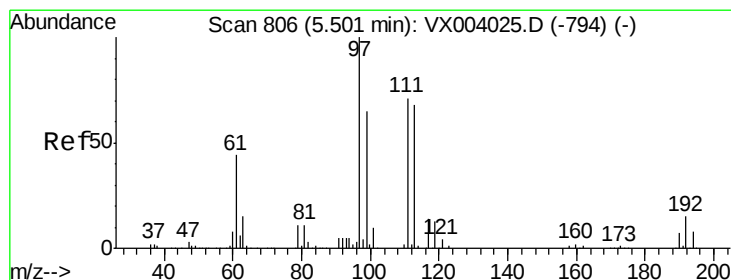
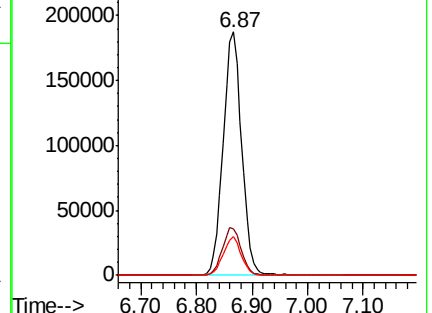
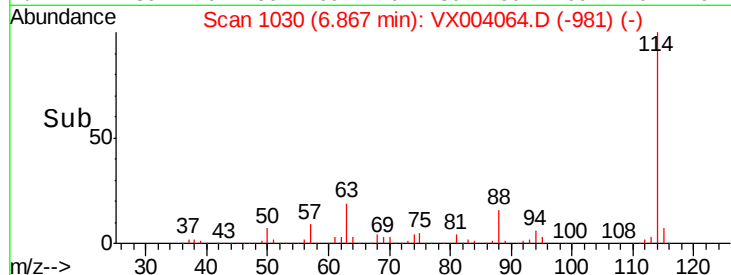
88 15.7 0.0 32.0



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: 51.673 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

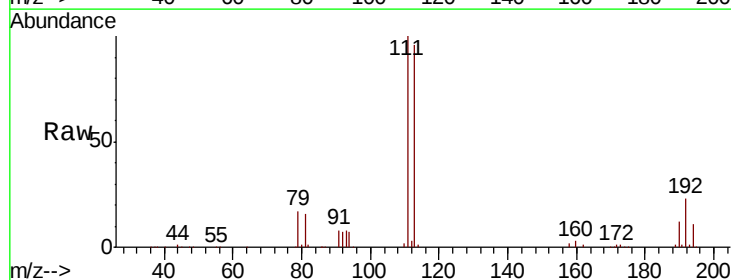
Tgt Ion:113 Resp: 167477

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

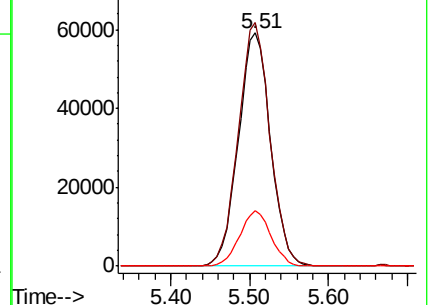
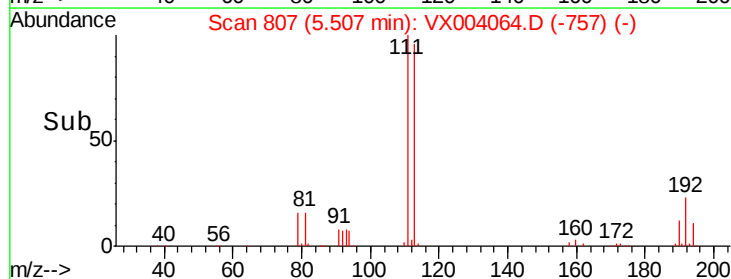
192 23.1 19.0 28.4

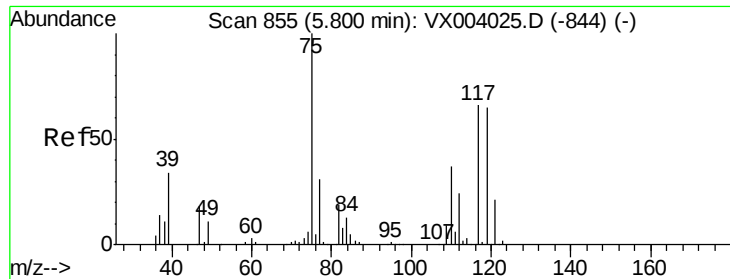


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

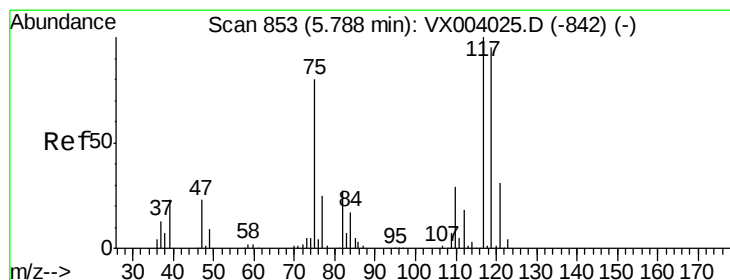
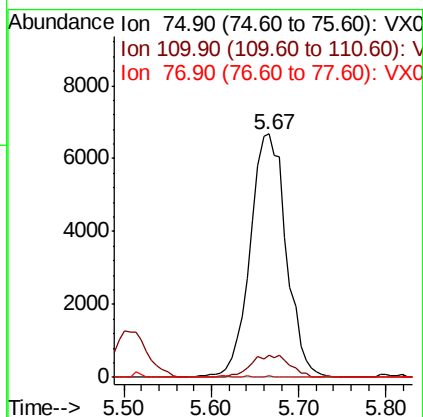
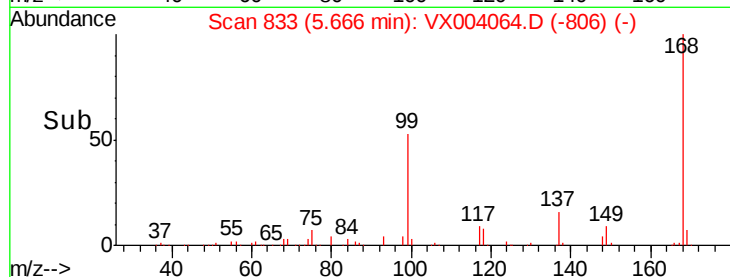
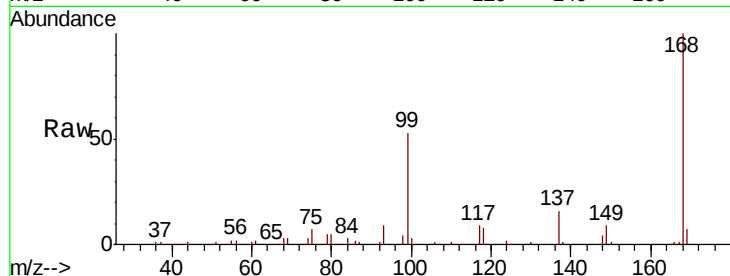




#36
 1,1-Dichloropropene
 Concen: 3.873 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004064.D
 Acq: 15 Aug 2018 07:53

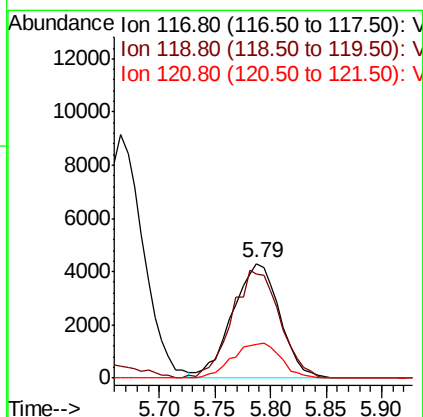
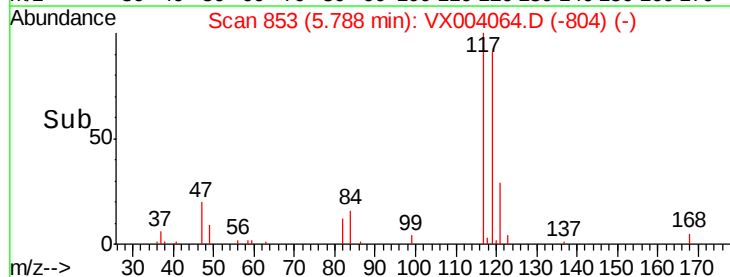
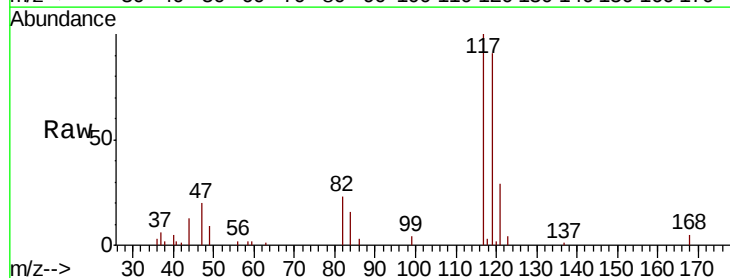
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-302-SRI3

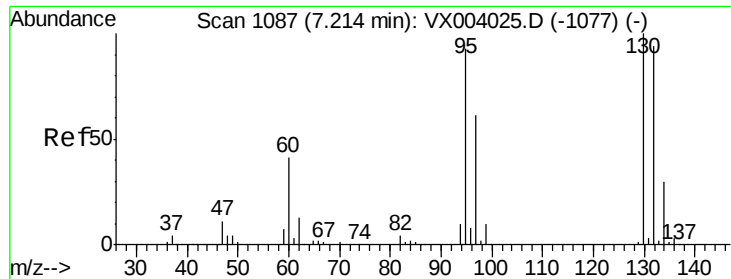
Tgt Ion: 75 Resp: 19083
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.2 54.6#
 77 0.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 2.665 ug/l
 RT: 5.79 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VX004064.D
 Acq: 15 Aug 2018 07:53

Tgt Ion: 117 Resp: 12759
 Ion Ratio Lower Upper
 117 100
 119 90.8 79.5 119.3
 121 29.0 25.0 37.4





#44

Trichloroethene

Concen: 2.148 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampleId :

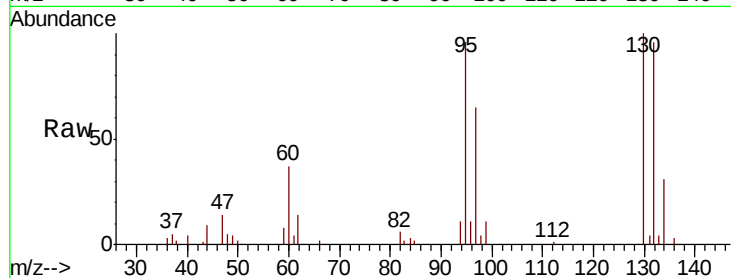
MW-302-SRI3

Tgt Ion:130 Resp: 8628

Ion Ratio Lower Upper

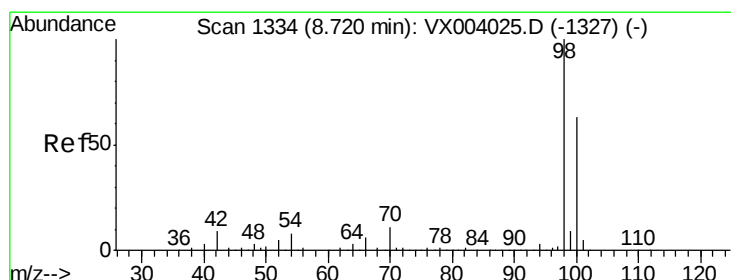
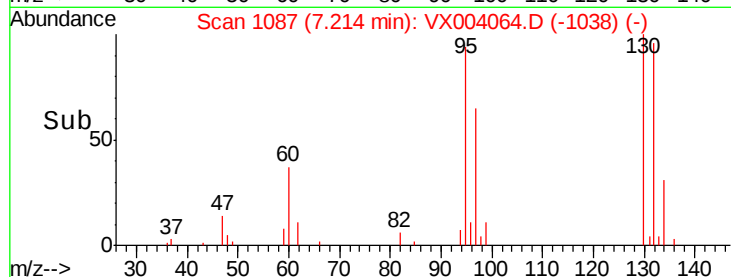
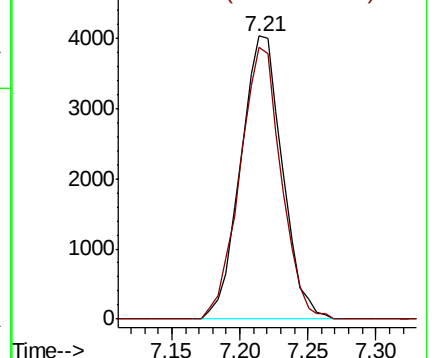
130 100

95 96.1 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 47.424 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004064.D

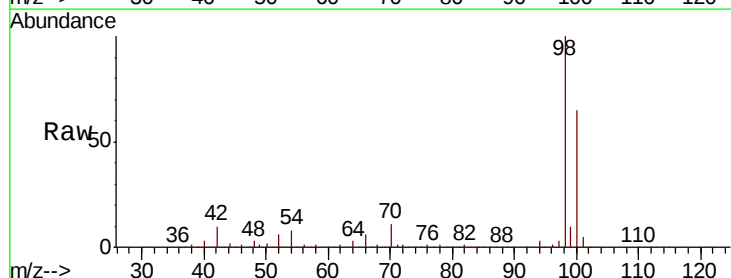
Acq: 15 Aug 2018 07:53

Tgt Ion: 98 Resp: 623186

Ion Ratio Lower Upper

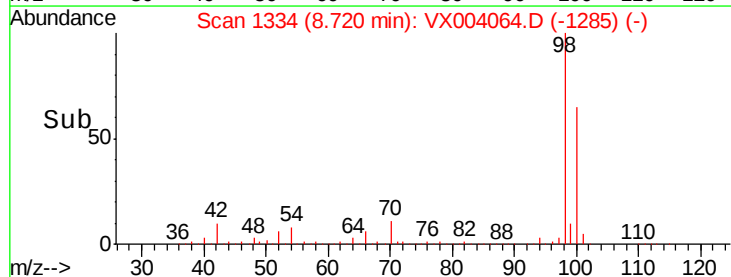
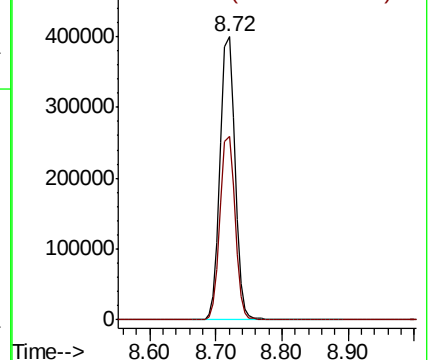
98 100

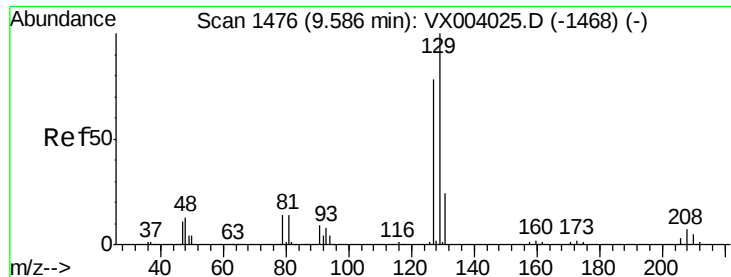
100 65.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 3.532 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampleId :

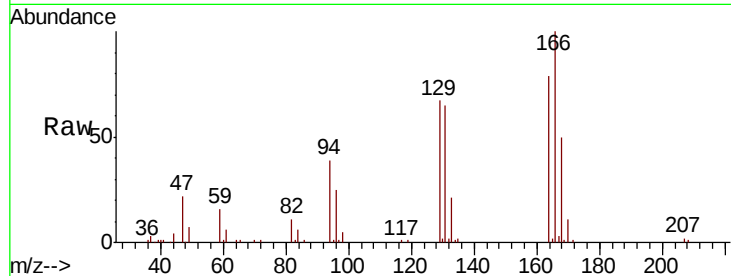
MW-302-SRI3

Tgt Ion:129 Resp: 13134

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

8000

6000

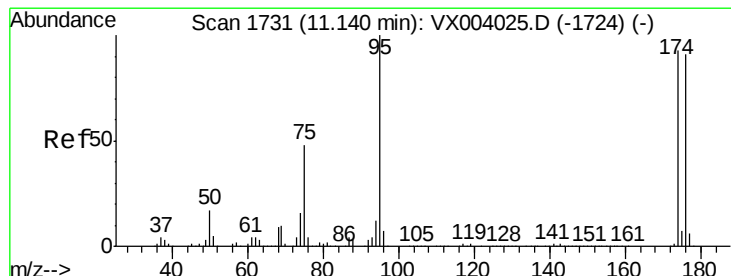
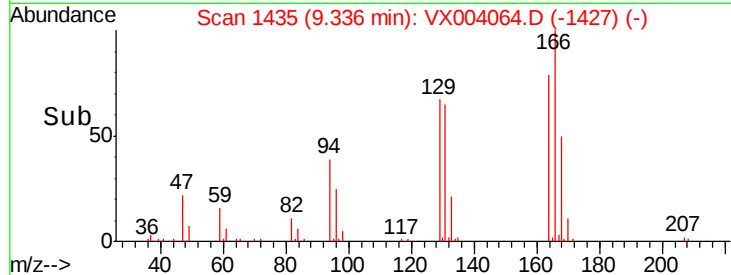
4000

2000

0

9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 44.323 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

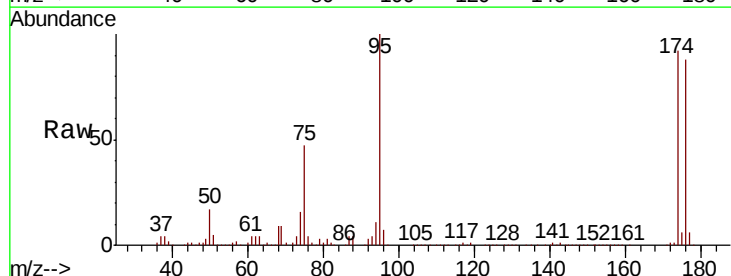
Tgt Ion: 95 Resp: 211248

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

176 87.8 0.0 179.0



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

250000

200000

150000

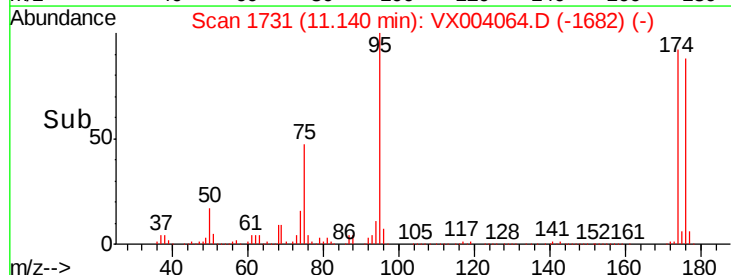
100000

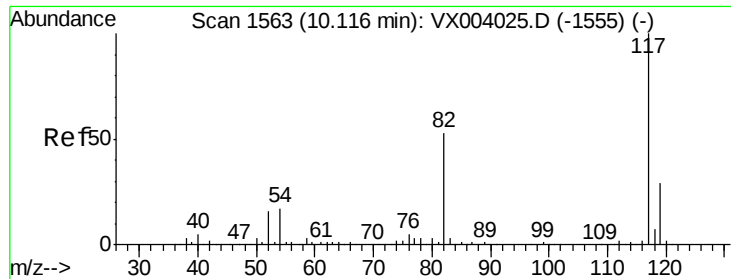
50000

0

11.10 11.20 11.30

Time-->

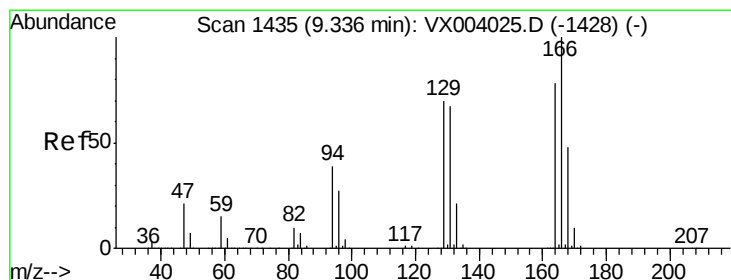
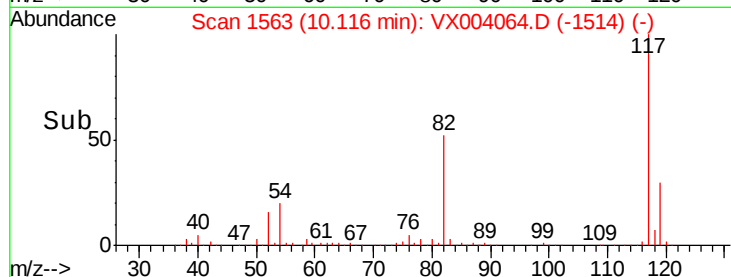
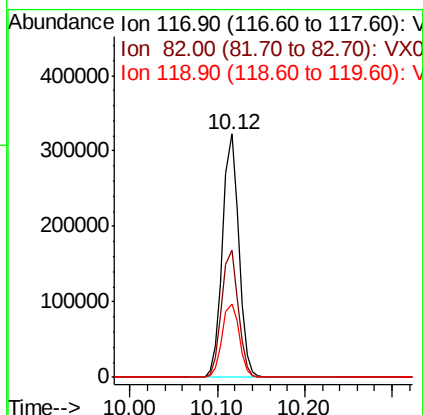
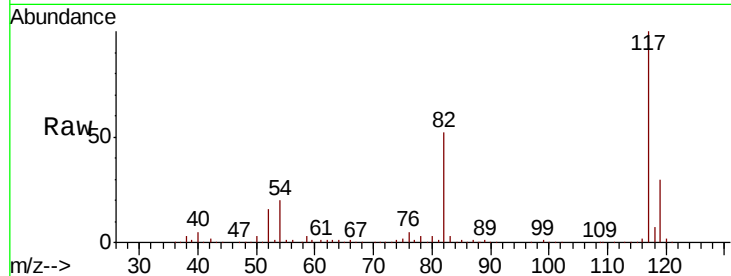




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004064.D
Acq: 15 Aug 2018 07:53

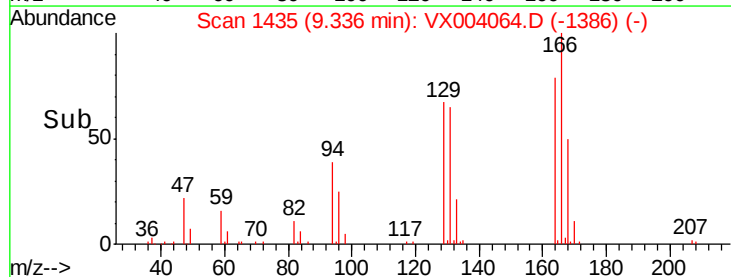
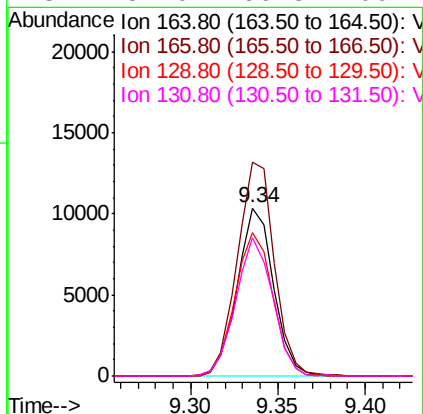
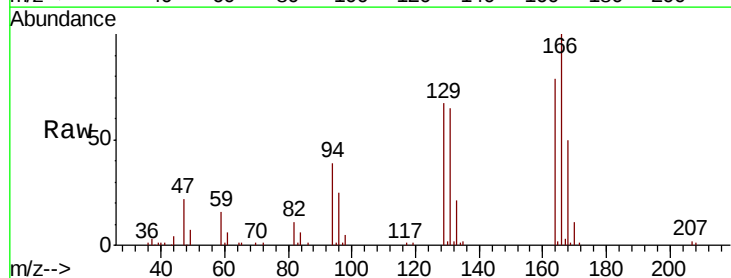
Instrument :
MSVOA_X
ClientSampleId :
MW-302-SRI3

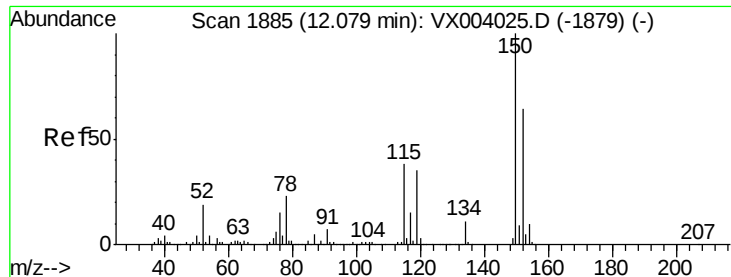
Tgt Ion:117 Resp: 414101
Ion Ratio Lower Upper
117 100
82 52.0 45.4 68.0
119 30.1 26.6 40.0



#64
Tetrachloroethene
Concen: 3.802 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004064.D
Acq: 15 Aug 2018 07:53

Tgt Ion:164 Resp: 14923
Ion Ratio Lower Upper
164 100
166 127.1 98.0 147.0
129 85.1 64.3 96.5
131 82.0 66.8 100.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004064.D

Acq: 15 Aug 2018 07:53

Instrument :

MSVOA_X

ClientSampleId :

MW-302-SRI3

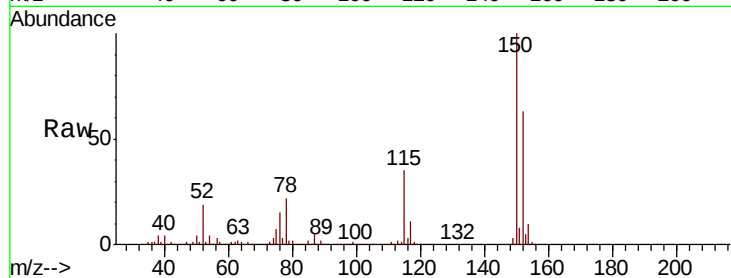
Tgt Ion:152 Resp: 221692

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.3

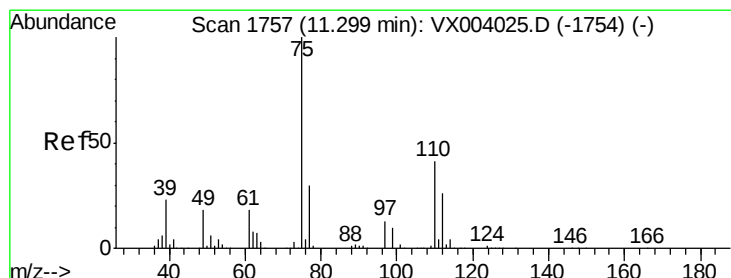
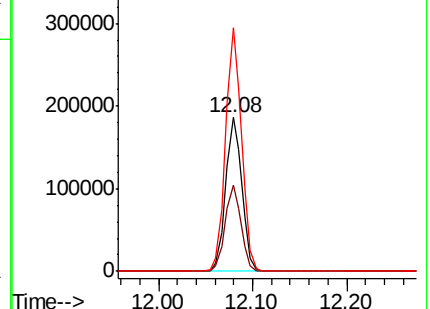
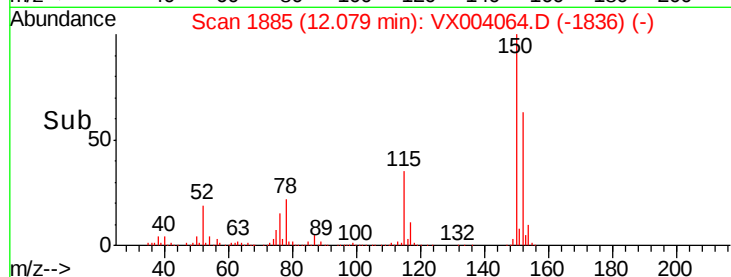
150 156.1 0.0 349.2



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: 23.060 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004064.D

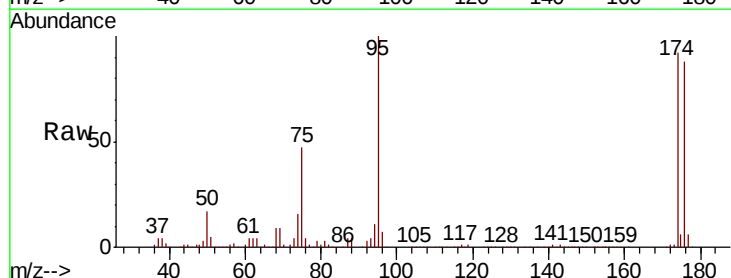
Acq: 15 Aug 2018 07:53

Tgt Ion: 75 Resp: 102520

Ion Ratio Lower Upper

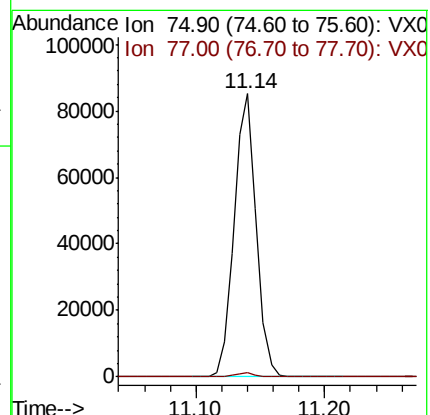
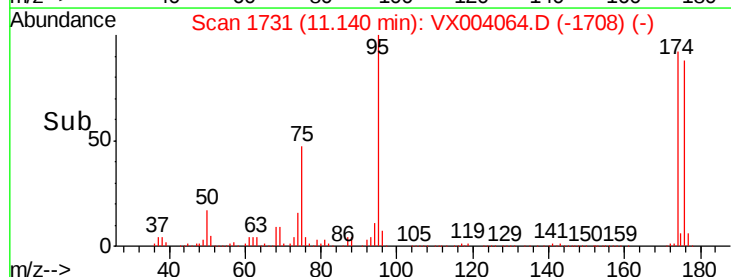
75 100

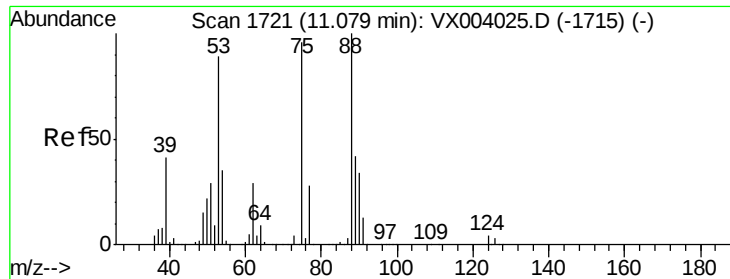
77 1.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

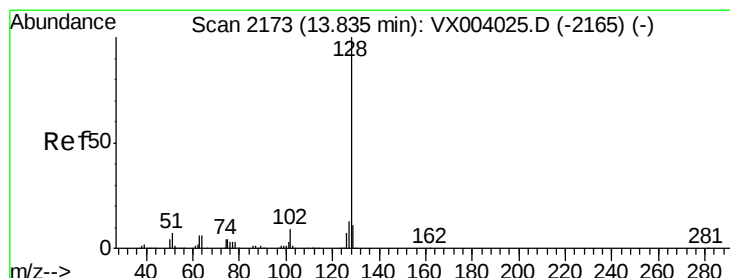
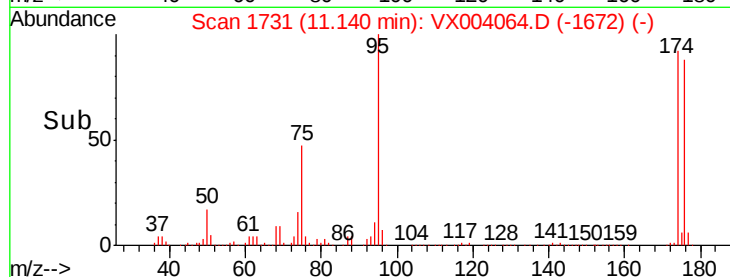
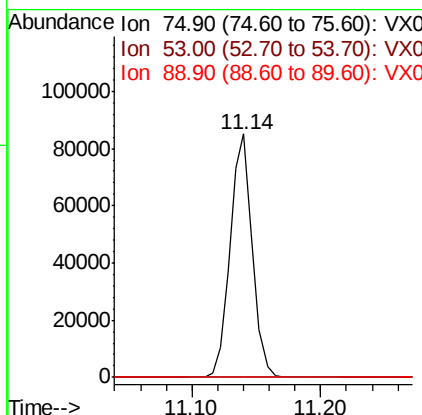
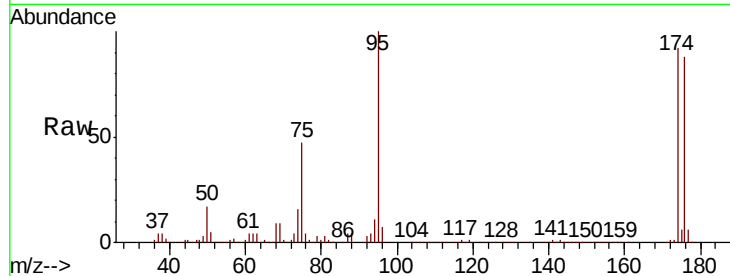




#81
trans-1,4-Dichloro-2-butene
Concen: 71.382 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX004064.D
Acq: 15 Aug 2018 07:53

Instrument :
MSVOA_X
ClientSampled :
MW-302-SRI3

Tgt Ion: 75 Resp: 102520
Ion Ratio Lower Upper
75 100
53 0.2 80.3 120.5#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.161 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004064.D
Acq: 15 Aug 2018 07:53

Tgt Ion: 128 Resp: 266
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

