

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004051.D
 Acq On : 15 Aug 2018 02:08
 Operator : JC/MD
 Sample : J4438-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-297-SRI3

Quant Time: Aug 15 09:40:02 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	277328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	397617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223066	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	202273	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	171591	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	8.72	98	620766	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
62) 4-Bromofluorobenzene	11.14	95	211001	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	

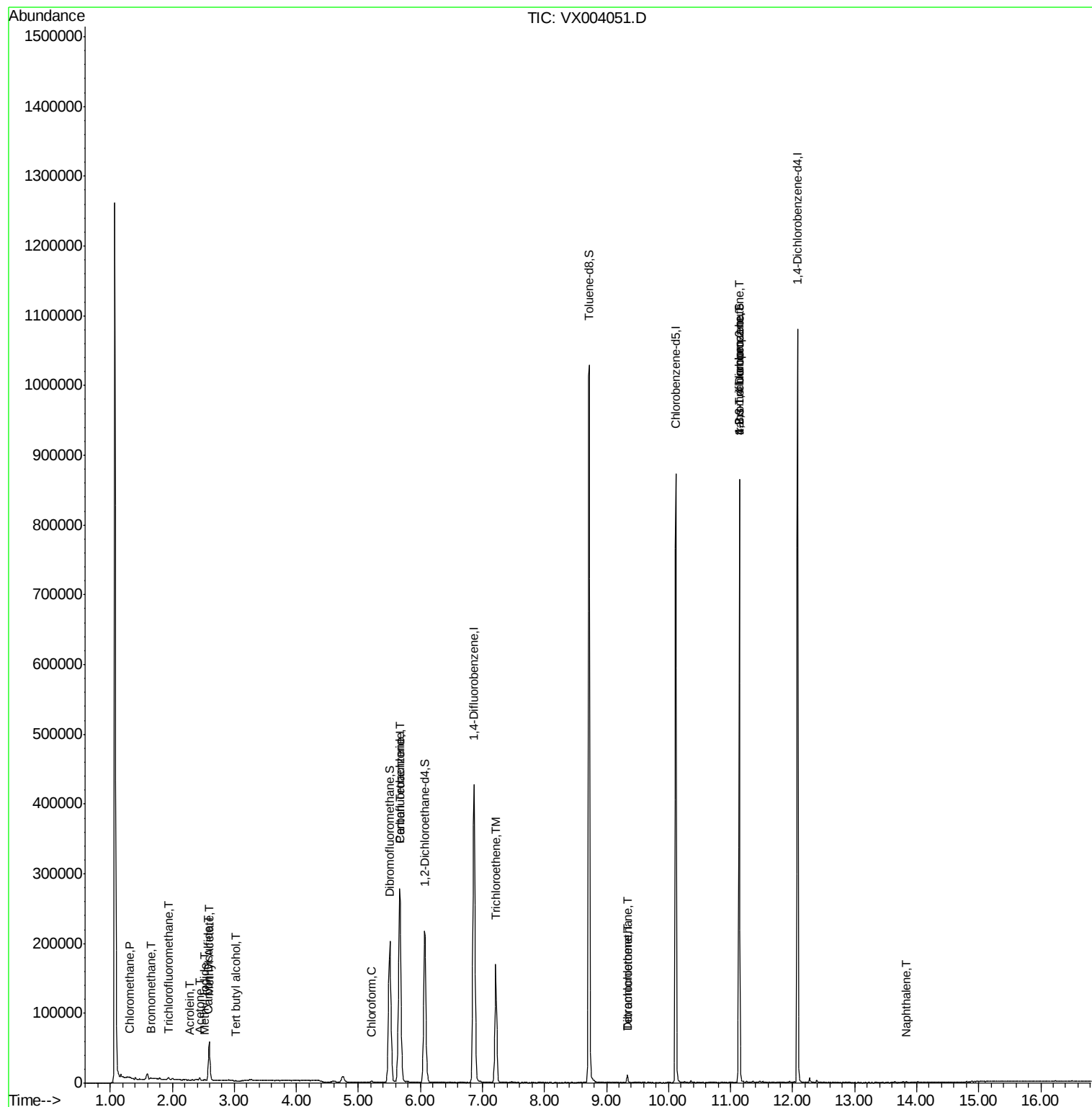
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	919	0.277	ug/l #	80
5) Bromomethane	1.65	94	1208	0.488	ug/l	93
6) Chloroethane	1.73	64	1044	Below Cal	#	42
7) Trichlorofluoromethane	1.93	101	1557	0.310	ug/l	96
10) Methyl Iodide	2.53	142	1041	5.290	ug/l #	87
11) Tert butyl alcohol	3.03	59	510	0.648	ug/l #	83
13) Acrolein	2.29	56	95	11.119	ug/l #	40
16) Acetone	2.44	43	4006	1.972	ug/l	94
17) Carbon Disulfide	2.57	76	1900	0.230	ug/l #	74
18) Methyl Acetate	2.59	43	15163	3.359	ug/l #	52
20) Methylene Chloride	2.86	84	310	Below Cal	#	69
30) Chloroform	5.21	83	1742	0.290	ug/l	92
38) Carbon Tetrachloride	5.67	117	24506	5.044	ug/l #	15
44) Trichloroethene	7.21	130	66454	16.301	ug/l	96
60) Dibromochloromethane	9.34	129	1886	0.500	ug/l #	11
64) Tetrachloroethene	9.34	164	2020	0.536	ug/l #	73
76) 1,2,3-Trichloropropane	11.14	75	100767	22.526	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	100767	69.729	ug/l #	9
95) Naphthalene	13.83	128	1012	1.208	ug/l #	87

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

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Quant Time: Aug 15 09:40:02 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# 833

Delta R.T. -0.00 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

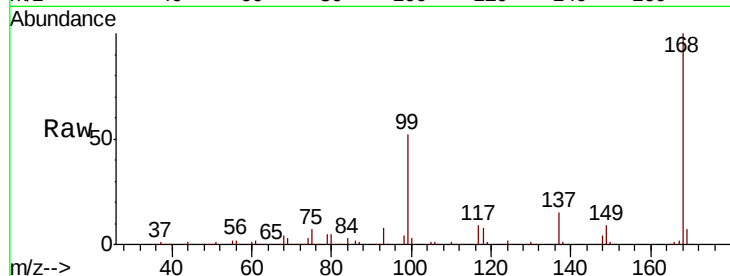
MW-297-SRI3

Tgt Ion:168 Resp: 277328

Ion Ratio Lower Upper

168 100

99 51.6 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

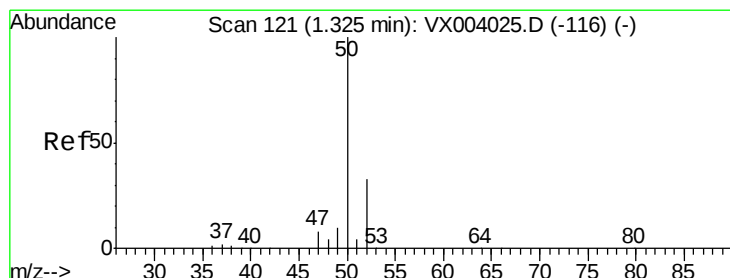
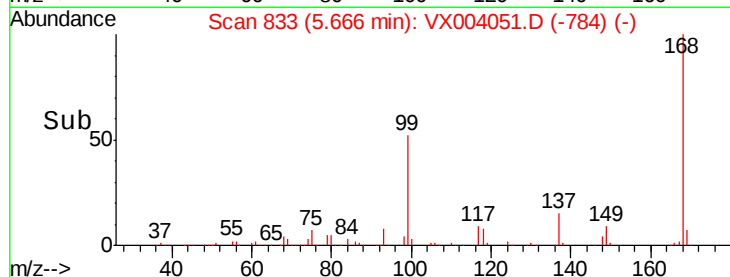
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.277 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004051.D

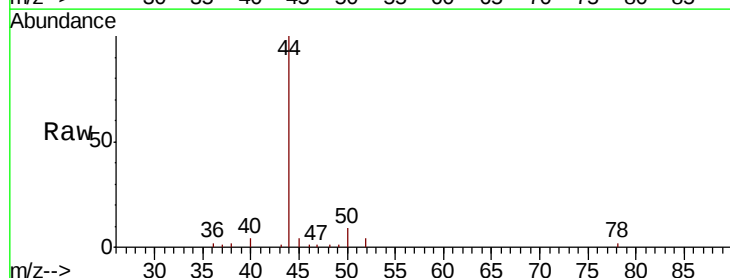
Acq: 15 Aug 2018 02:08

Tgt Ion: 50 Resp: 919

Ion Ratio Lower Upper

50 100

52 44.3 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

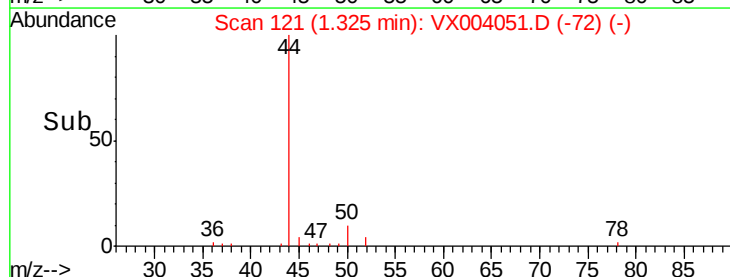
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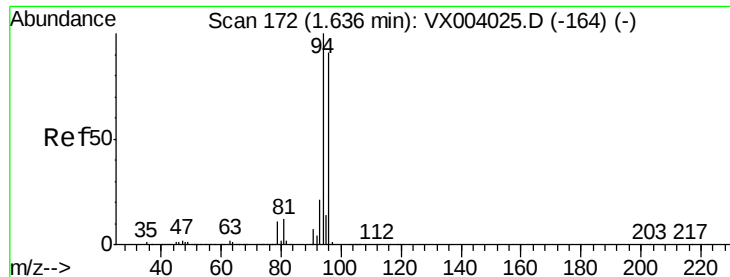
Time-->

1.30

1.35

1.40





#5

Bromomethane

Concen: 0.488 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

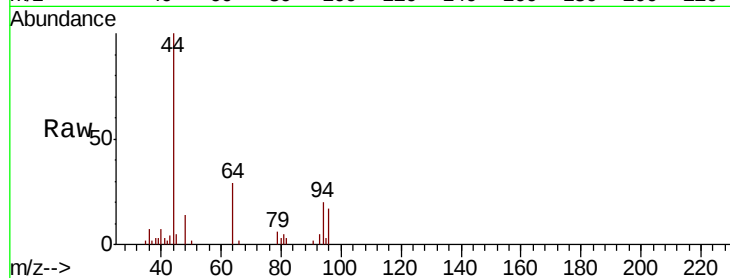
MW-297-SRI3

Tgt Ion: 94 Resp: 1208

Ion Ratio Lower Upper

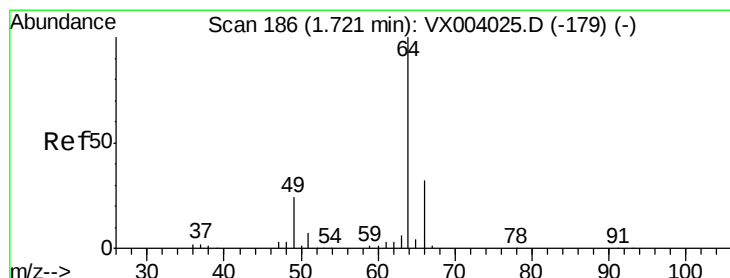
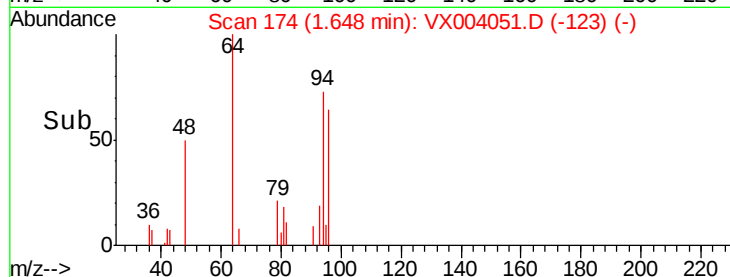
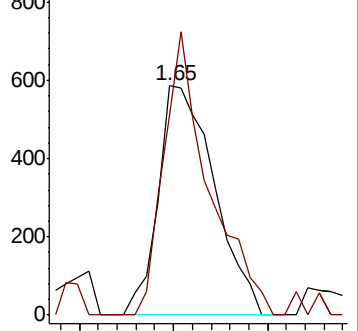
94 100

96 87.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004051.D

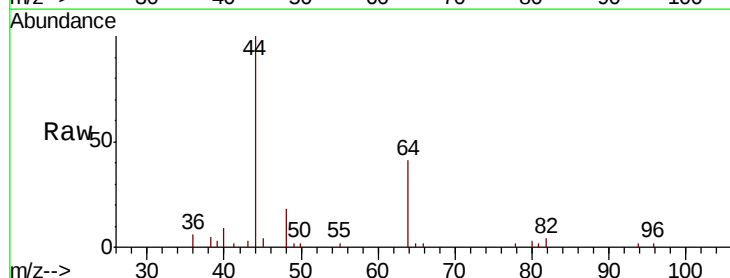
Acq: 15 Aug 2018 02:08

Tgt Ion: 64 Resp: 1044

Ion Ratio Lower Upper

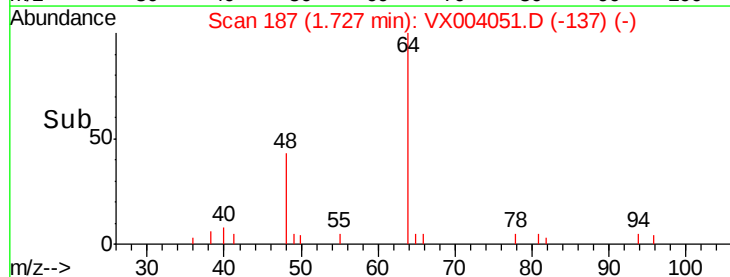
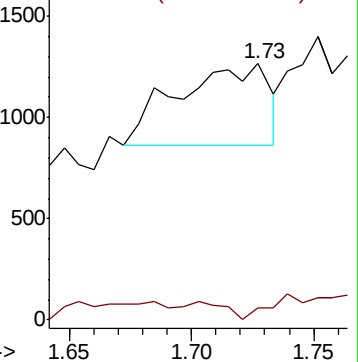
64 100

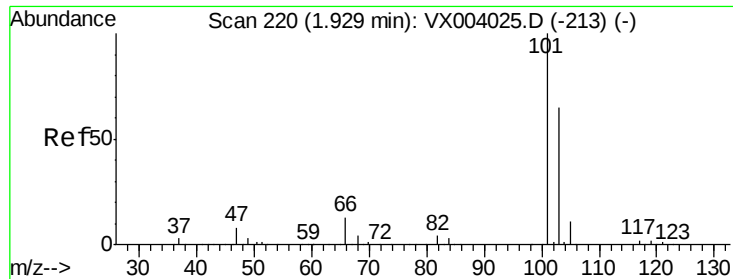
66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



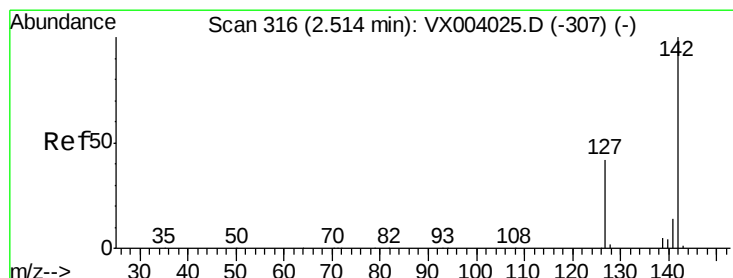
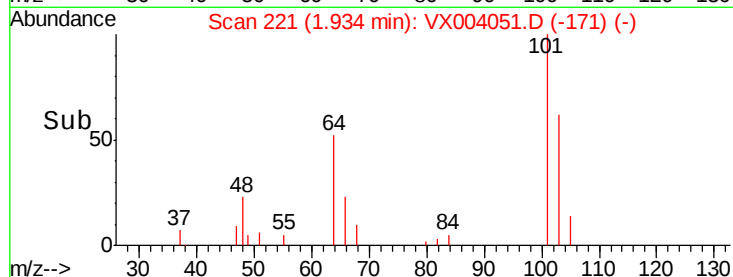
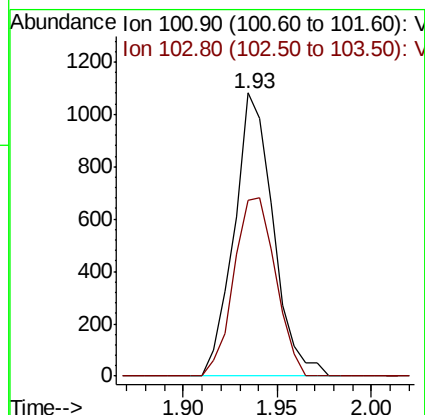
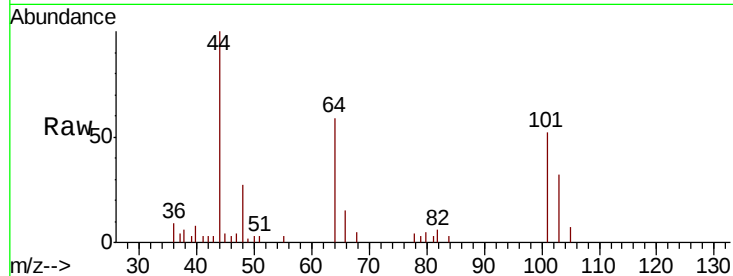


#7

Trichlorofluoromethane
 Concen: 0.310 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004051.D
 Acq: 15 Aug 2018 02:08

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-297-SRI3

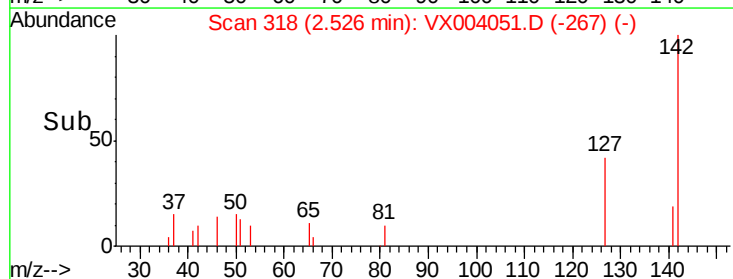
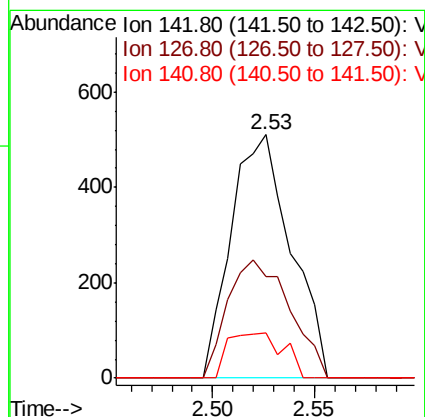
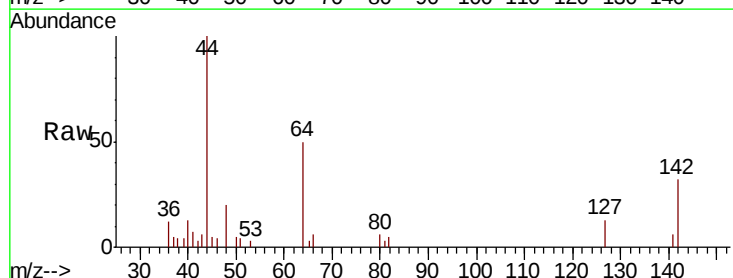
Tgt Ion:101 Resp: 1557
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.3 78.5

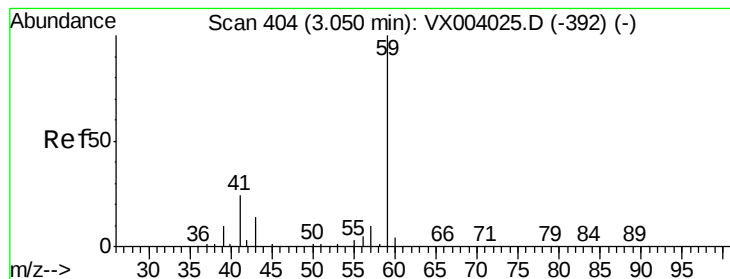


#10

Methyl Iodide
 Concen: 5.290 ug/l
 RT: 2.53 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX004051.D
 Acq: 15 Aug 2018 02:08

Tgt Ion:142 Resp: 1041
 Ion Ratio Lower Upper
 142 100
 127 50.4 33.1 49.7#
 141 17.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 0.648 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.02 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

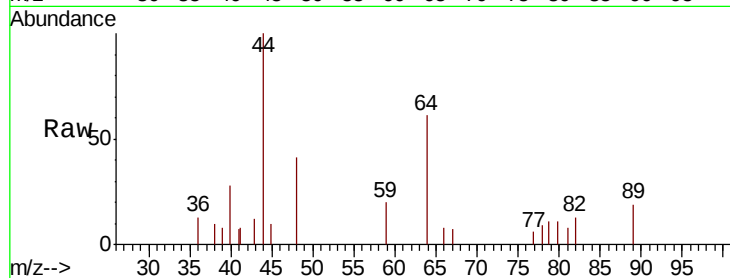
MW-297-SRI3

Tgt Ion: 59 Resp: 510

Ion Ratio Lower Upper

59 100

57 3.9 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

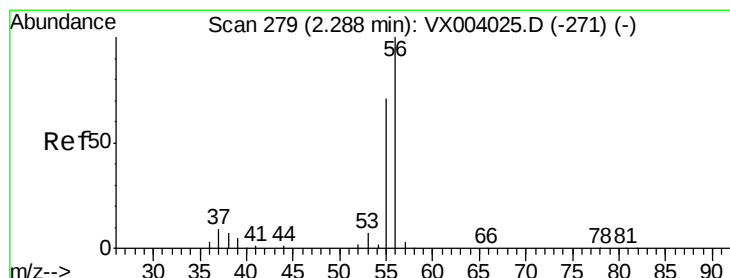
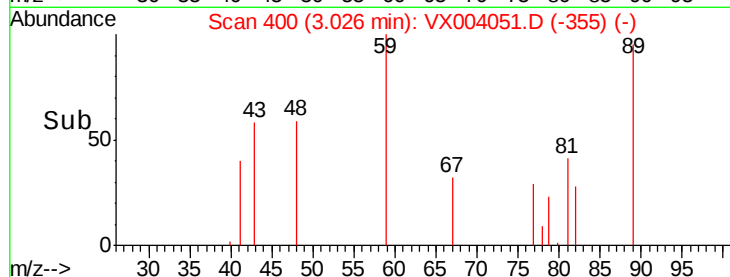
150

100

50

0

Time--> 2.95 3.00 3.05



#13

Acrolein

Concen: 11.119 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004051.D

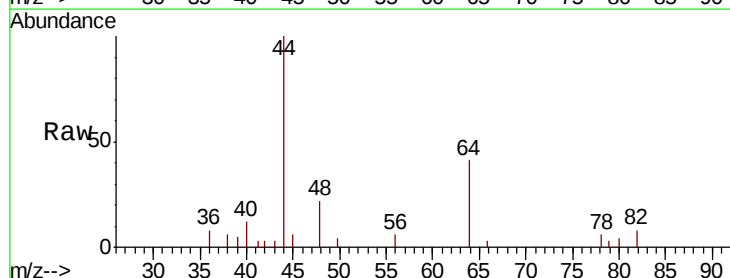
Acq: 15 Aug 2018 02:08

Tgt Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 21.1 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

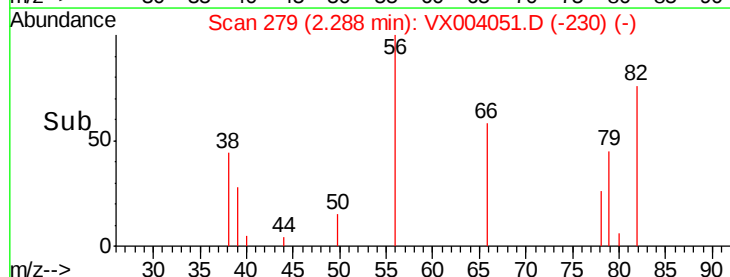
2.29

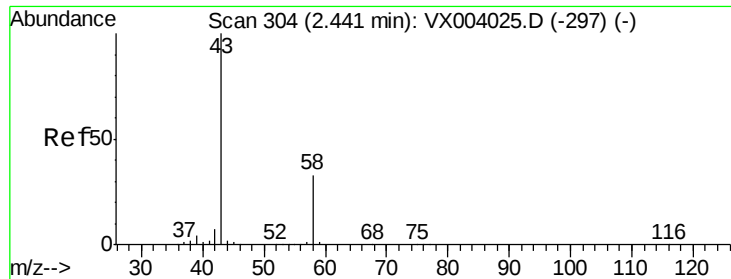
100

50

0

Time--> 2.28 2.30 2.32





#16

Acetone

Concen: 1.972 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

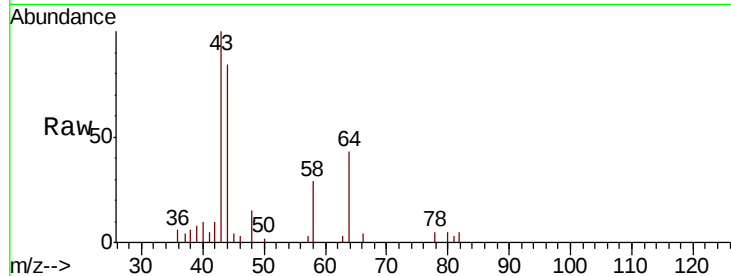
MW-297-SRI3

Tgt Ion: 43 Resp: 4006

Ion Ratio Lower Upper

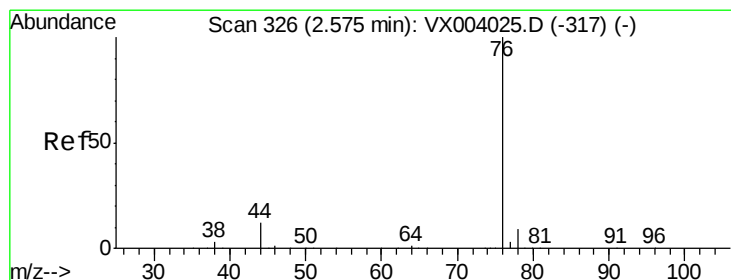
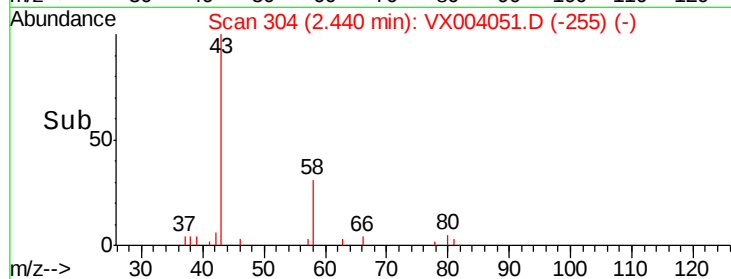
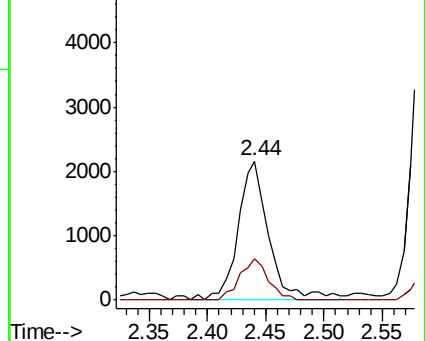
43 100

58 29.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004051.D

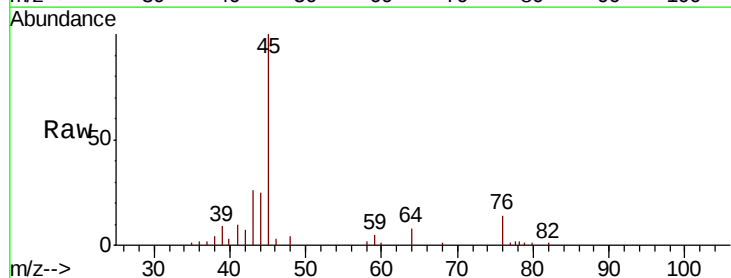
Acq: 15 Aug 2018 02:08

Tgt Ion: 76 Resp: 1900

Ion Ratio Lower Upper

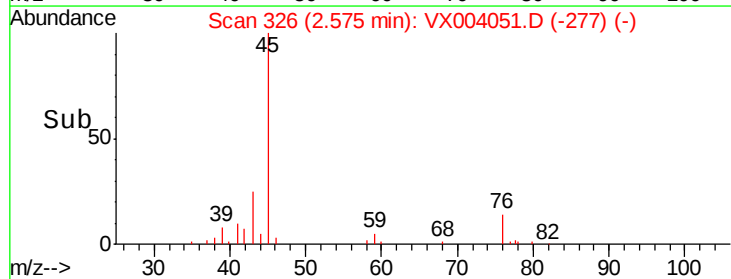
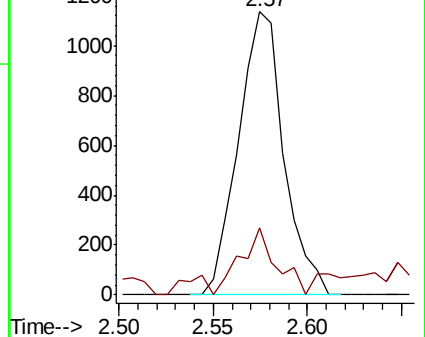
76 100

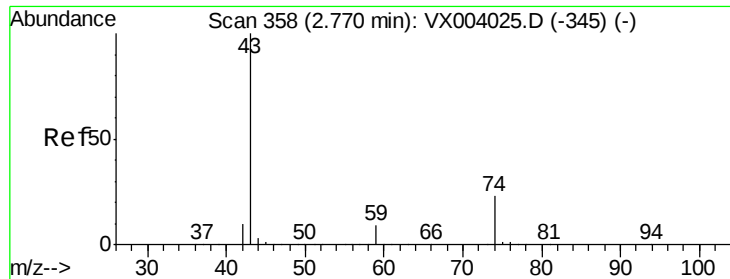
78 18.9 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 3.359 ug/l

RT: 2.59 min Scan# 329

Delta R.T. -0.18 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

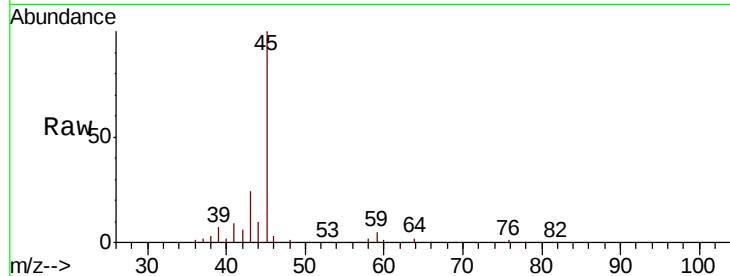
MW-297-SRI3

Tgt Ion: 43 Resp: 15163

Ion Ratio Lower Upper

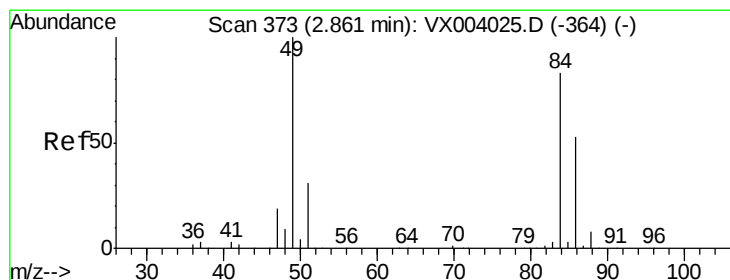
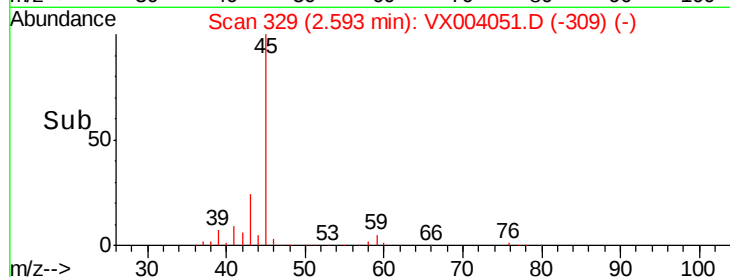
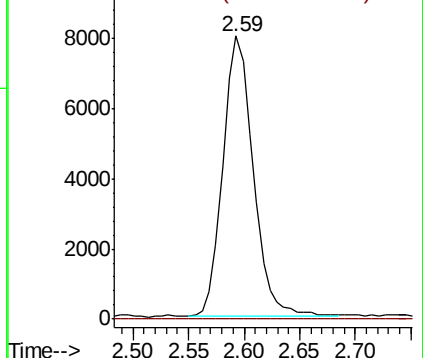
43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Tgt Ion: 84 Resp: 310

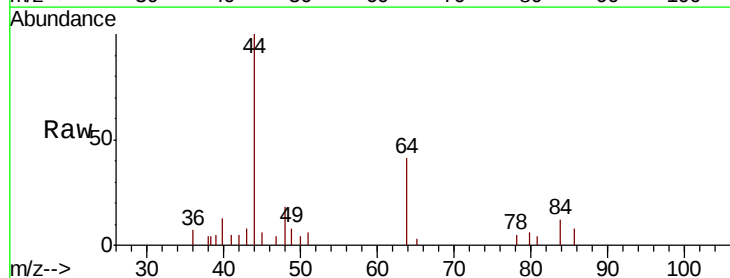
Ion Ratio Lower Upper

84 100

49 67.3 98.9 148.3#

51 44.9 29.9 44.9#

86 66.8 51.0 76.6

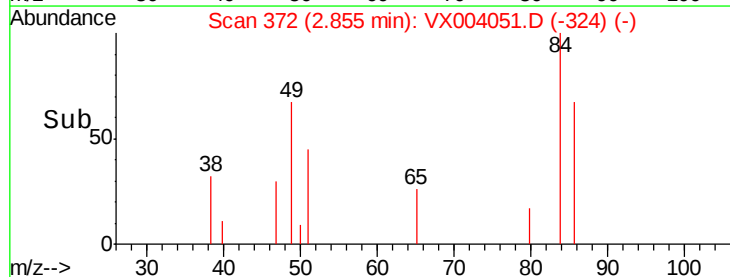
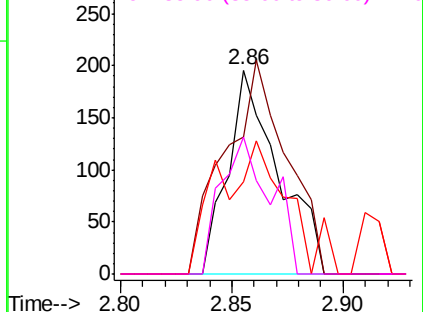


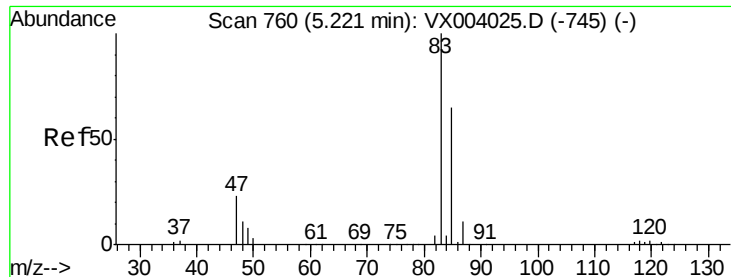
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

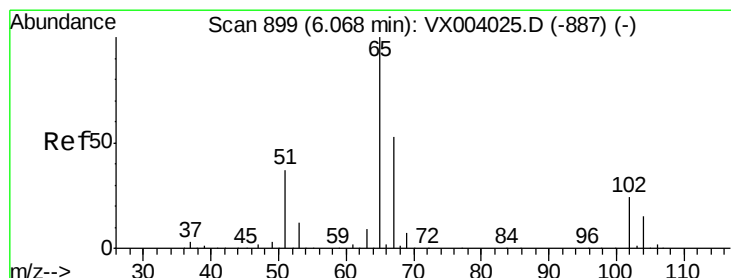
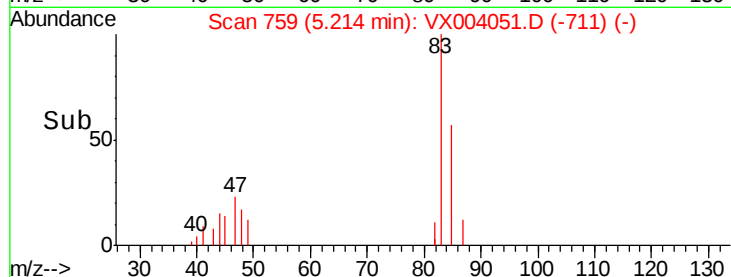
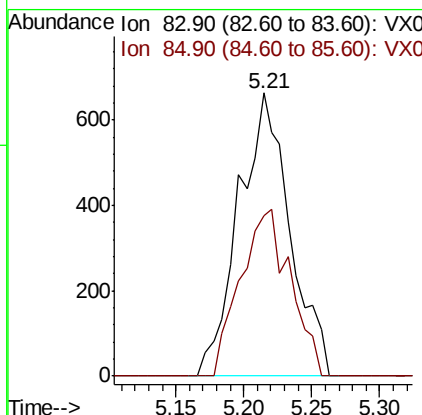
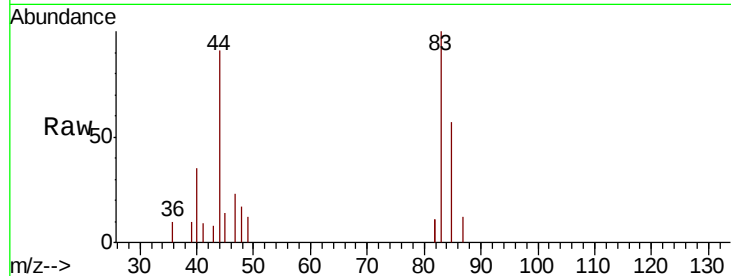




#30
Chloroform
Concen: 0.290 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004051.D
Acq: 15 Aug 2018 02:08

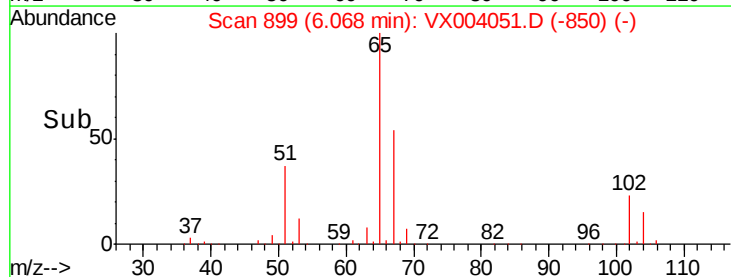
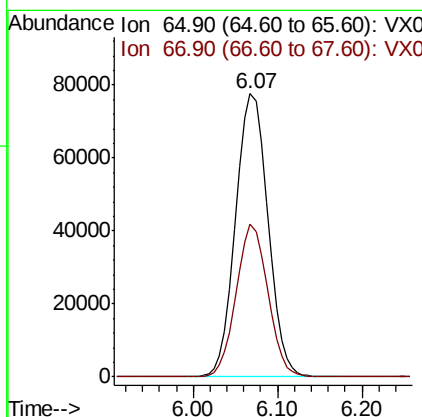
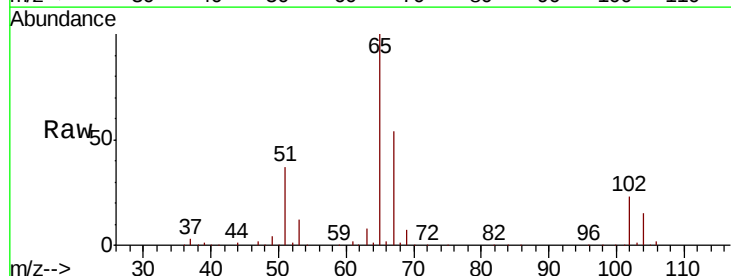
Instrument :
MSVOA_X
ClientSampleId :
MW-297-SRI3

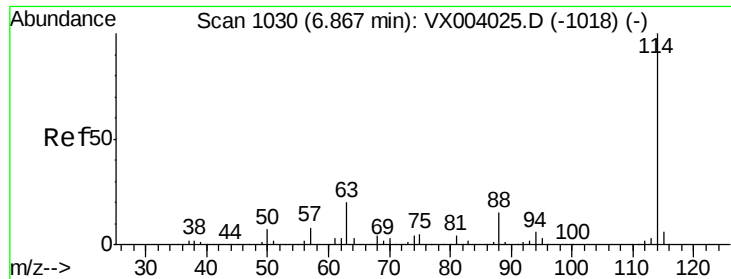
Tgt Ion: 83 Resp: 1742
Ion Ratio Lower Upper
83 100
85 56.9 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 51.767 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004051.D
Acq: 15 Aug 2018 02:08

Tgt Ion: 65 Resp: 202273
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

MW-297-SRI3

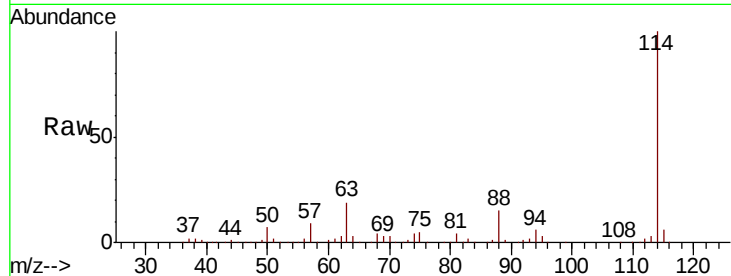
Tgt Ion:114 Resp: 439475

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

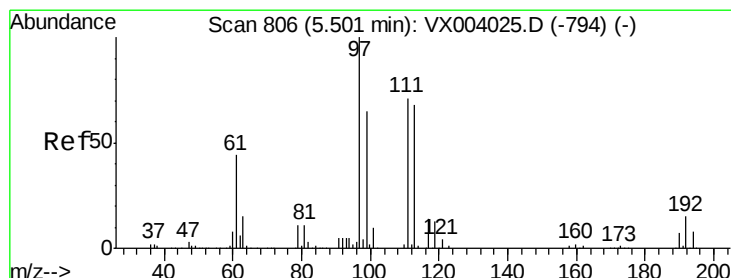
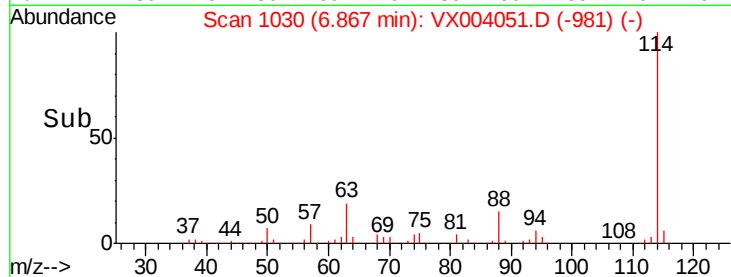
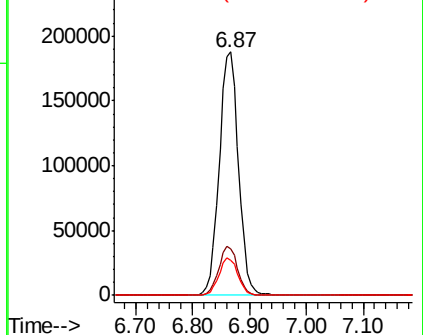
88 14.6 0.0 32.0



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: 52.169 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

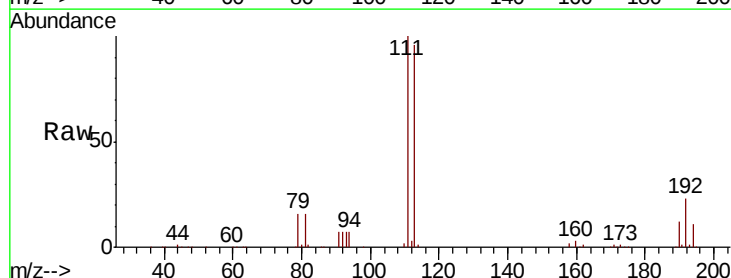
Tgt Ion:113 Resp: 171591

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

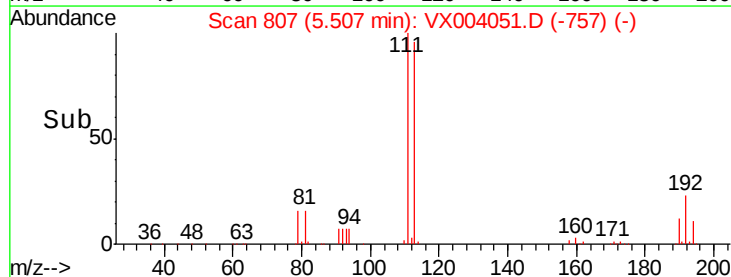
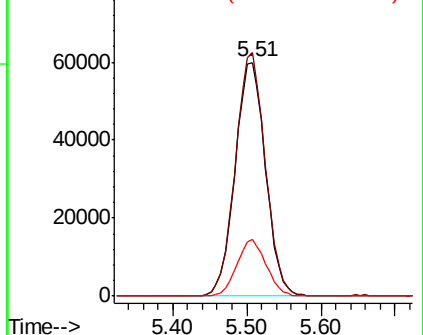
192 23.5 19.0 28.4

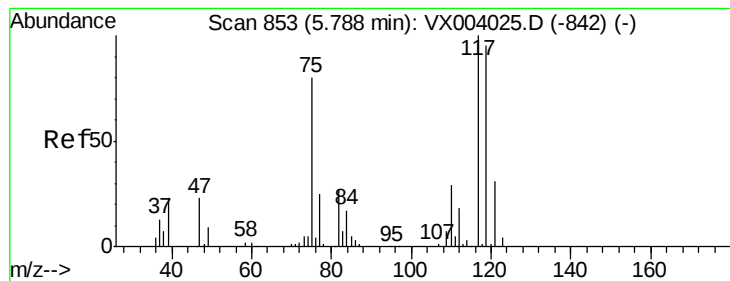


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.044 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

MW-297-SRI3

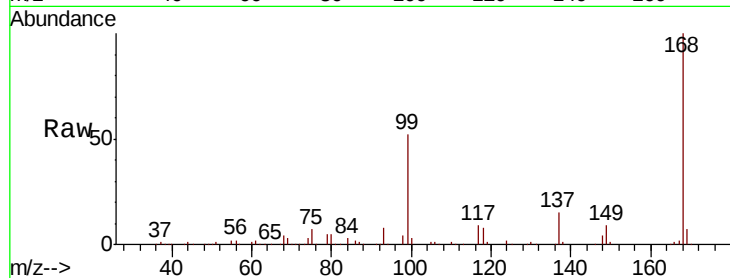
Tgt Ion:117 Resp: 24506

Ion Ratio Lower Upper

117 100

119 6.3 79.5 119.3#

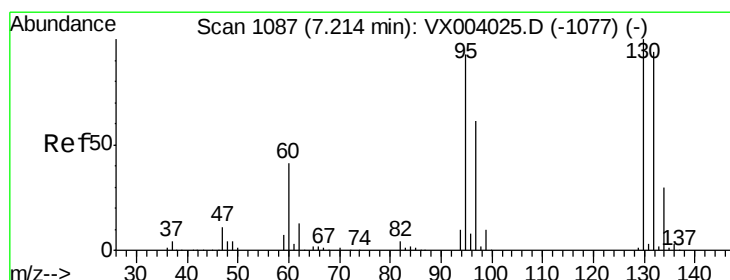
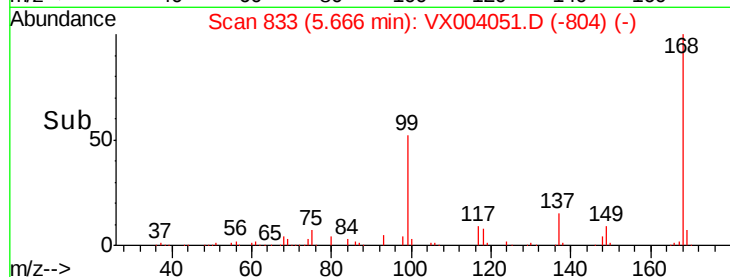
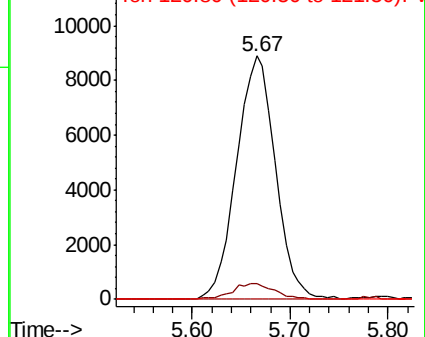
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 16.301 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004051.D

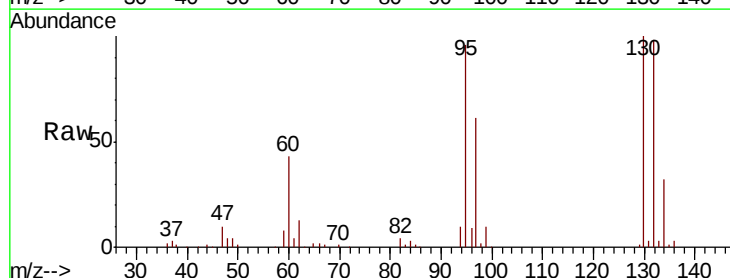
Acq: 15 Aug 2018 02:08

Tgt Ion:130 Resp: 66454

Ion Ratio Lower Upper

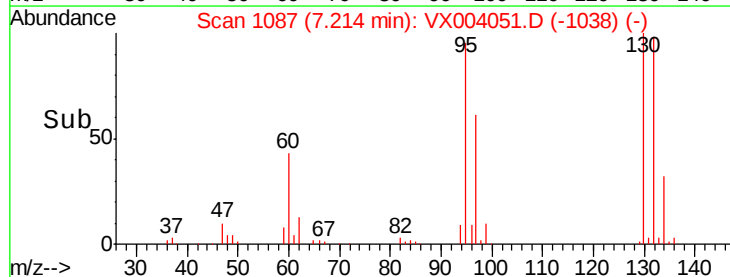
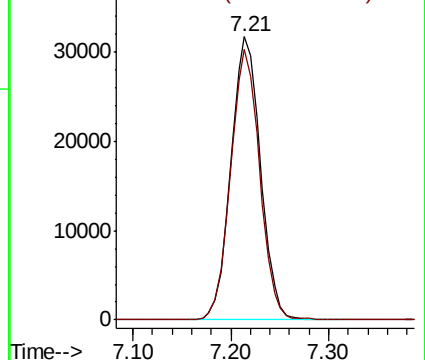
130 100

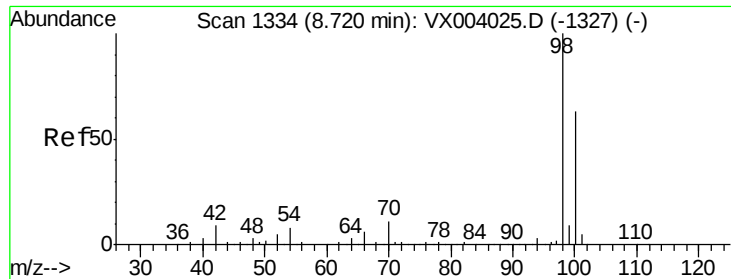
95 95.6 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

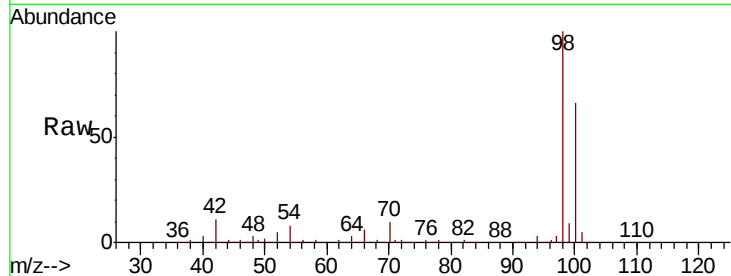




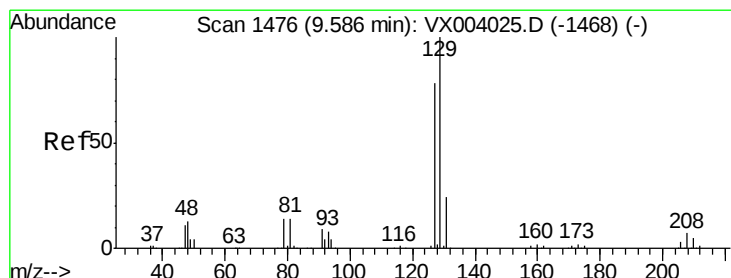
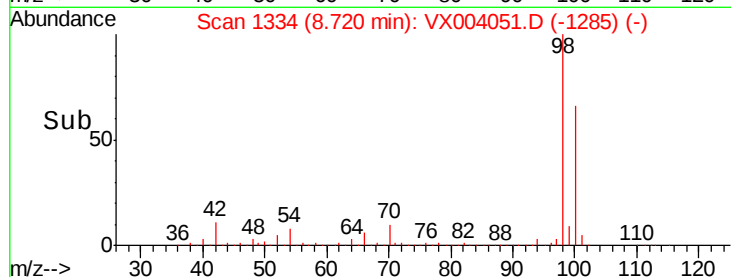
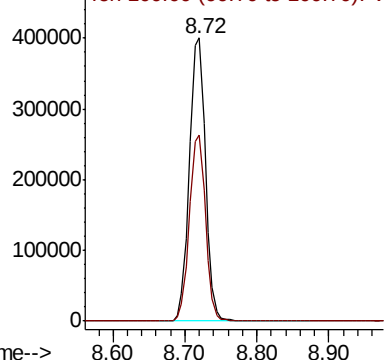
#50
Toluene-d8
Concen: 46.550 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004051.D
Acq: 15 Aug 2018 02:08

Instrument :
MSVOA_X
ClientSampleId :
MW-297-SRI3

Tgt Ion: 98 Resp: 620766
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9

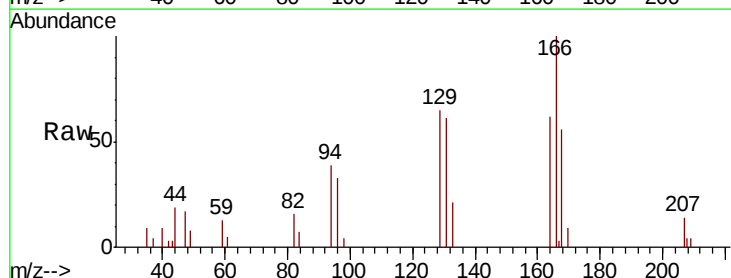


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

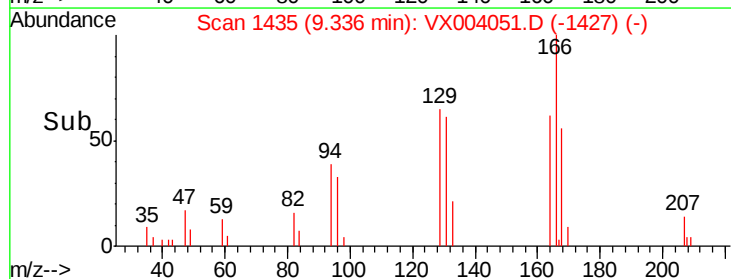
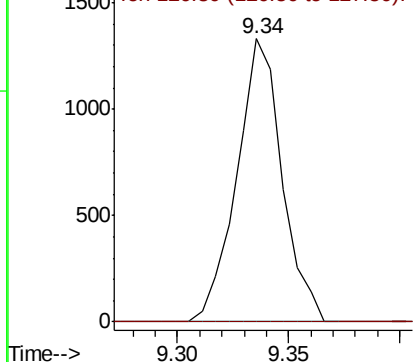


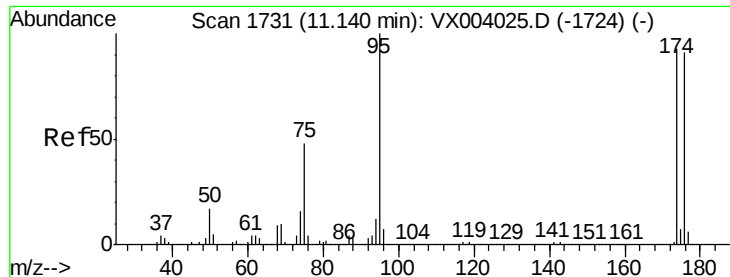
#60
Dibromochloromethane
Concen: 0.500 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX004051.D
Acq: 15 Aug 2018 02:08

Tgt Ion: 129 Resp: 1886
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

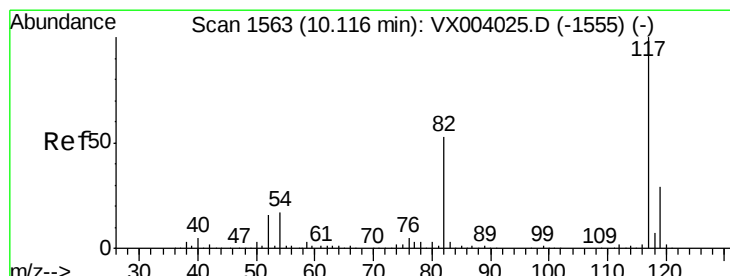
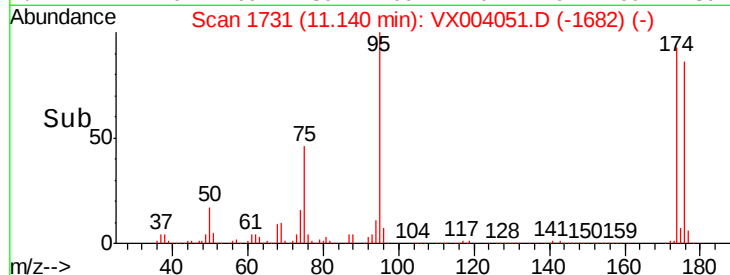
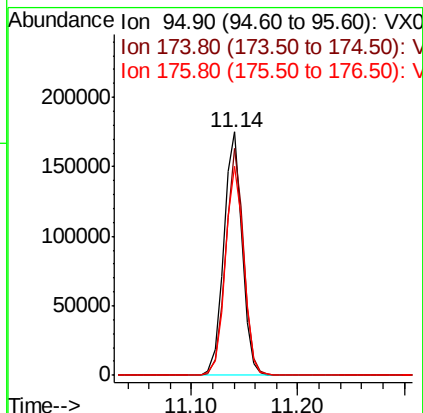
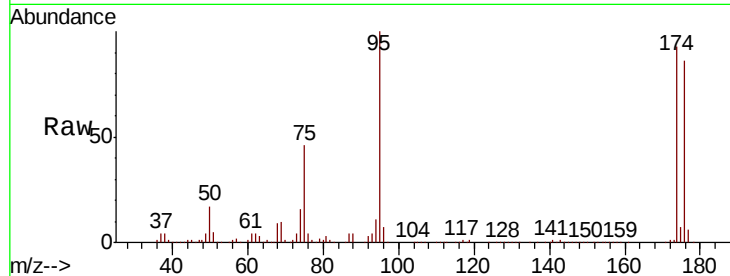




#62
 4-Bromofluorobenzene
 Concen: 43.625 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004051.D
 Acq: 15 Aug 2018 02:08

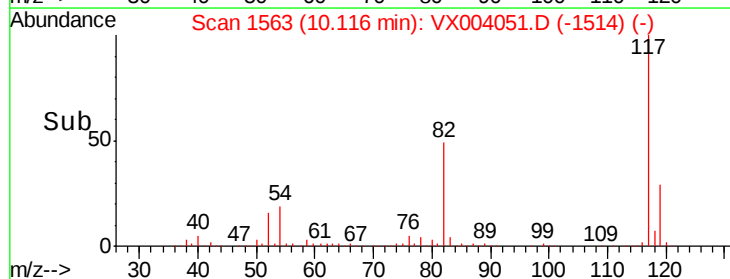
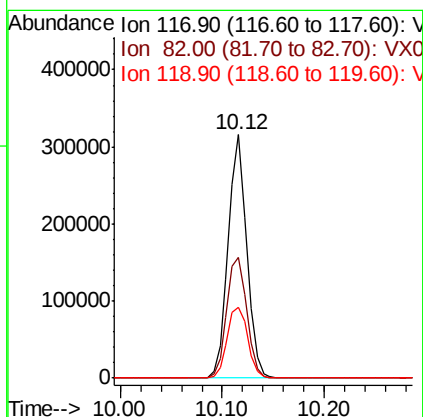
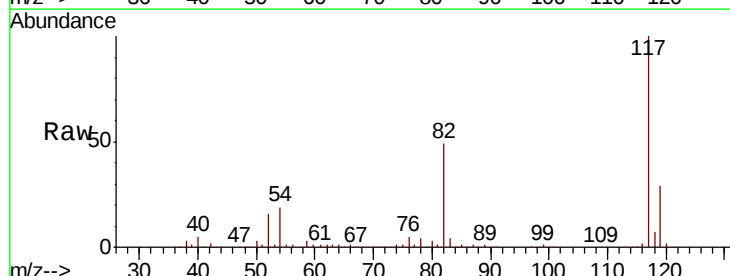
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-297-SRI3

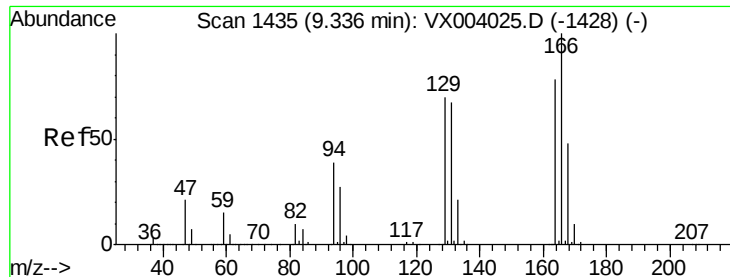
Tgt Ion: 95 Resp: 211001
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 182.8
 176 87.4 0.0 179.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004051.D
 Acq: 15 Aug 2018 02:08

Tgt Ion: 117 Resp: 397617
 Ion Ratio Lower Upper
 117 100
 82 49.4 45.4 68.0
 119 29.3 26.6 40.0





#64

Tetrachloroethene

Concen: 0.536 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

MW-297-SRI3

Tgt Ion:164 Resp: 2020

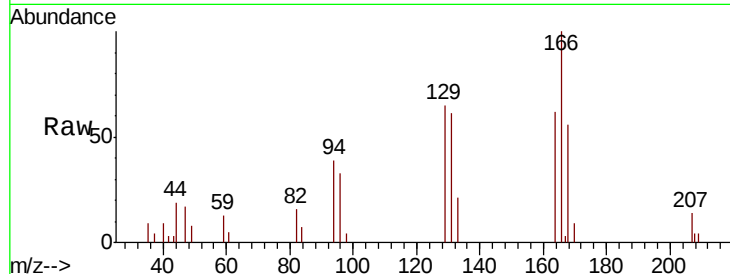
Ion Ratio Lower Upper

164 100

166 161.4 98.0 147.0#

129 105.0 64.3 96.5#

131 97.8 66.8 100.2

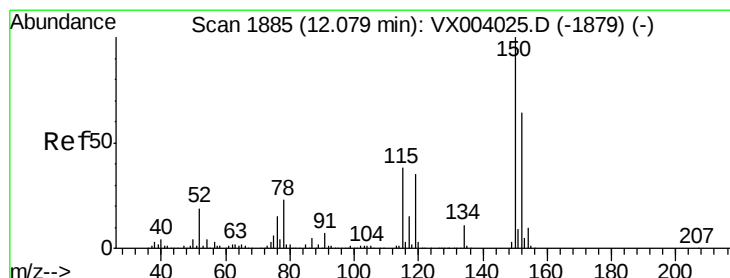
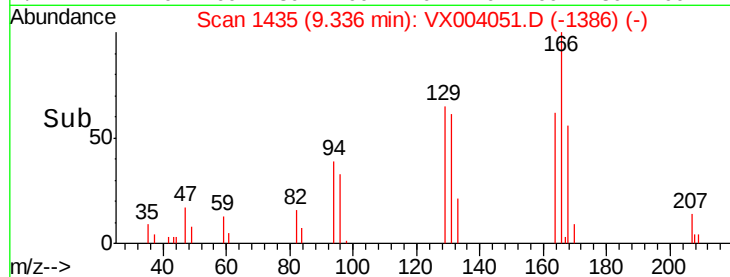
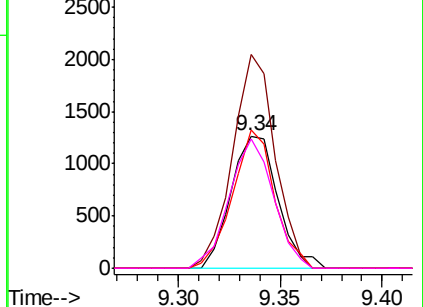


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX004051.D

Acq: 15 Aug 2018 02:08

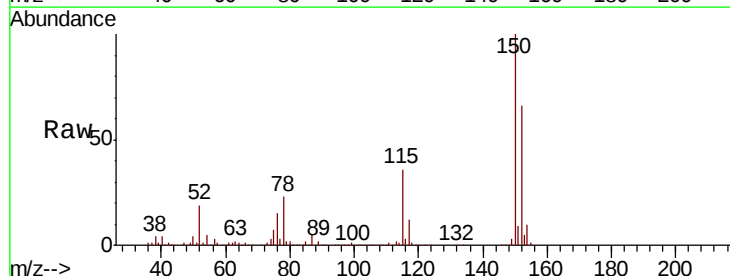
Tgt Ion:152 Resp: 223066

Ion Ratio Lower Upper

152 100

115 54.6 39.1 117.3

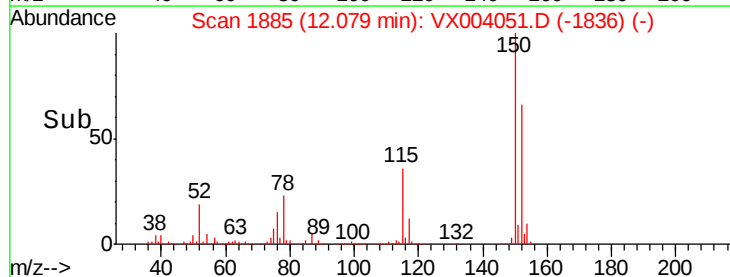
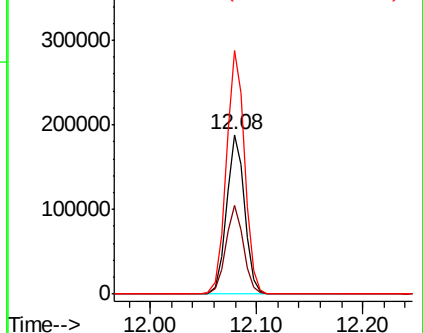
150 154.9 0.0 349.2

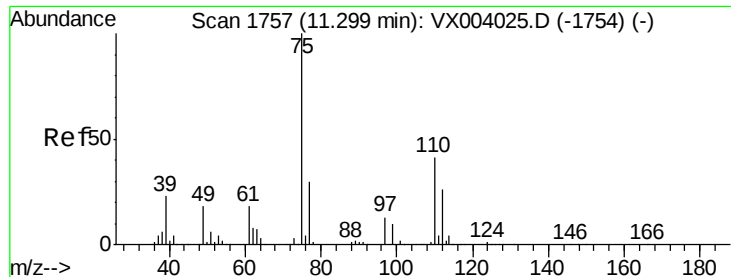


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.526 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

Instrument :

MSVOA_X

ClientSampleId :

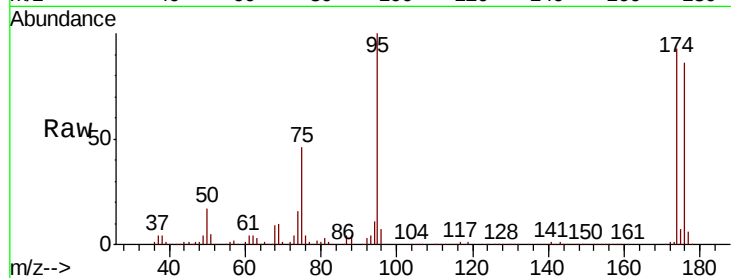
MW-297-SRI3

Tgt Ion: 75 Resp: 100767

Ion Ratio Lower Upper

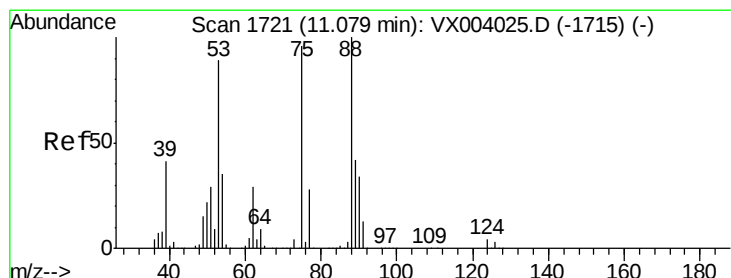
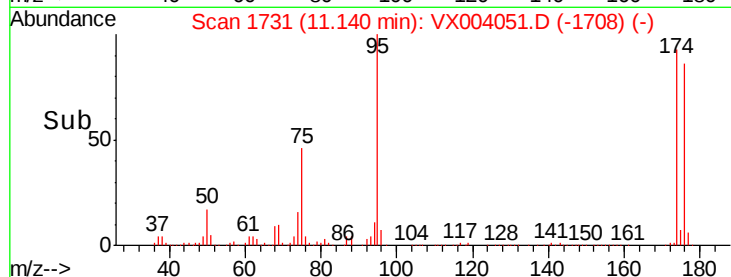
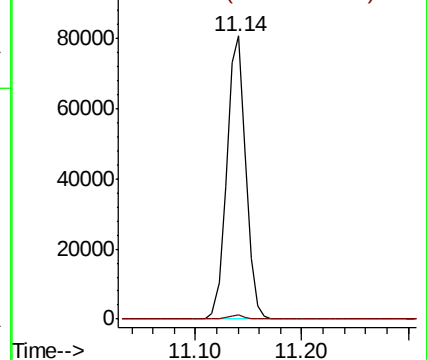
75 100

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: 69.729 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004051.D

Acq: 15 Aug 2018 02:08

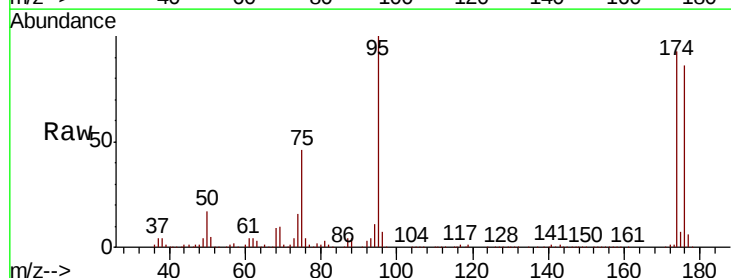
Tgt Ion: 75 Resp: 100767

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

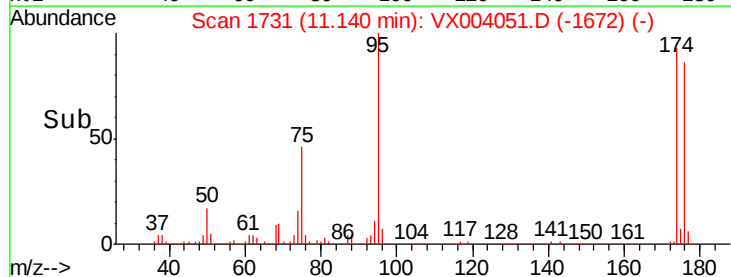
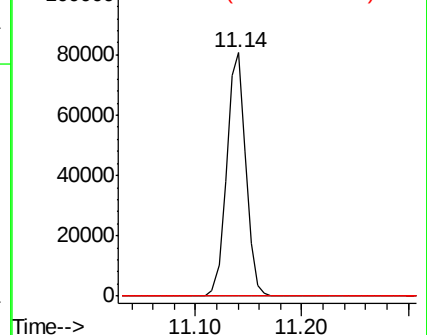
89 0.0 37.8 56.8#

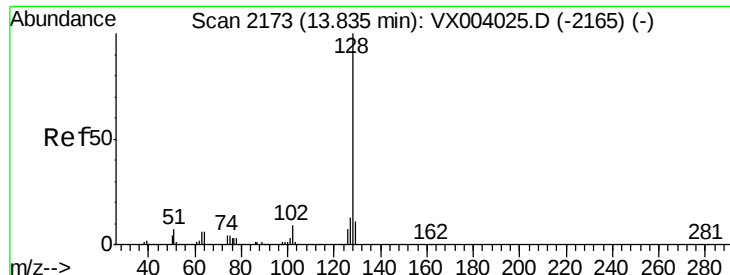


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.208 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004051.D
Acq: 15 Aug 2018 02:08

Instrument :
MSVOA_X
ClientSampleId :
MW-297-SRI3

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.7	10.2	15.2#
129	4.6	8.8	13.2#

