

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001642.D
 Acq On : 11 May 2018 16:34
 Operator : JC/MD
 Sample : J2741-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW146-180501

Quant Time: May 12 03:35:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	147921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	202545	55.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.80%	
35) Dibromofluoromethane	5.51	113	161466	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	8.72	98	570467	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.15	95	181659	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	

Target Compounds

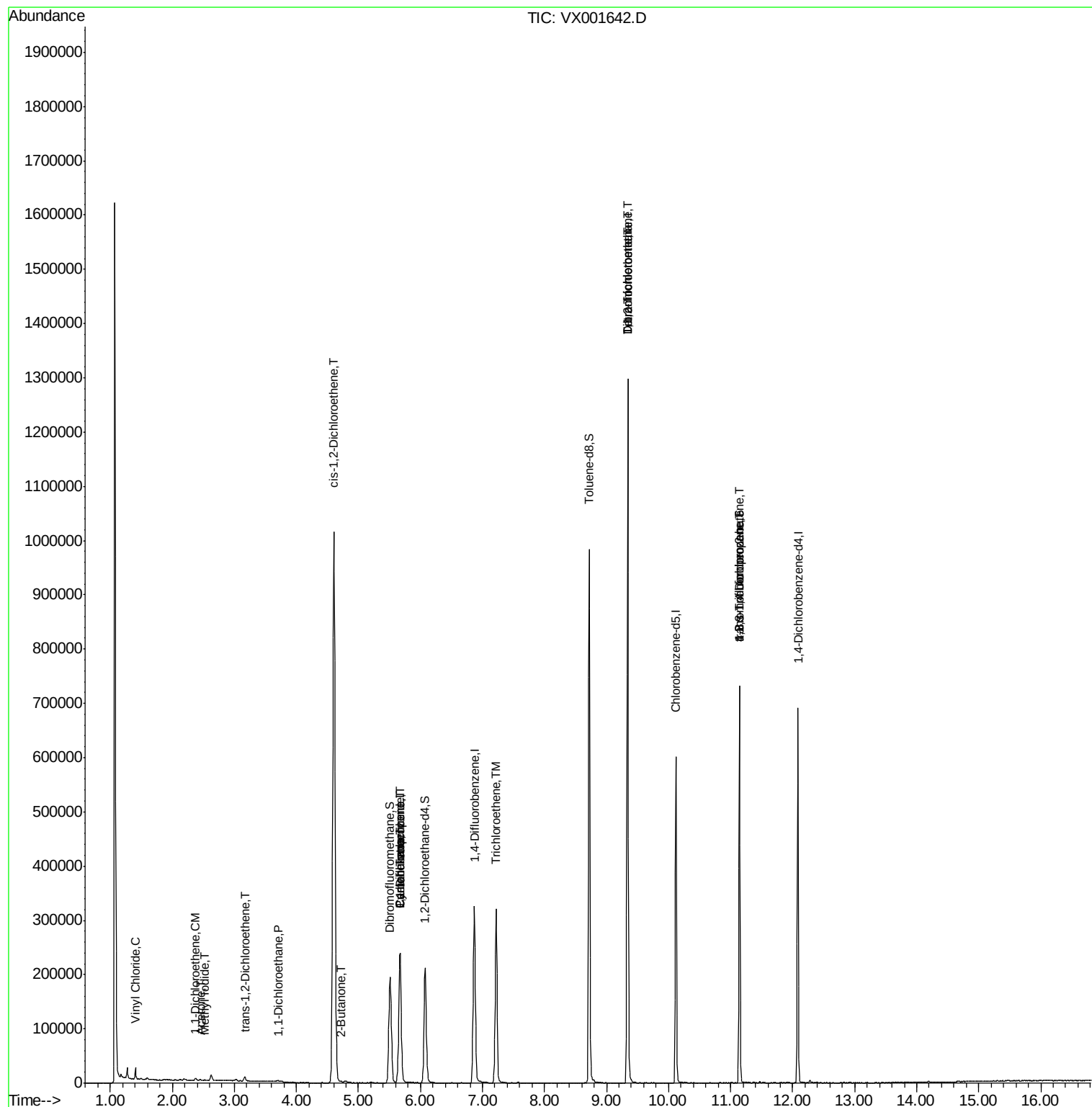
						Qvalue
4) Vinyl Chloride	1.40	62	12648	3.67	ug/l	97
5) Bromomethane	1.65	94	1439	Below	Cal	96
10) Methyl Iodide	2.51	142	1198	0.27	ug/l #	87
12) 1,1-Dichloroethene	2.38	96	1072	0.38	ug/l	91
13) Acrolein	2.29	56	115	Below	Cal #	1
16) Acetone	2.45	43	1685	1.02	ug/l #	82
21) trans-1,2-Dichloroethene	3.17	96	3349	1.08	ug/l	92
24) 1,1-Dichloroethane	3.70	63	1090	0.20	ug/l #	76
25) 2-Butanone	4.73	43	783	0.33	ug/l #	49
27) cis-1,2-Dichloroethene	4.60	96	649982	196.05	ug/l	86
31) Cyclohexane	5.67	56	4384	0.94	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	15526	3.62	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21590	4.72	ug/l #	16
44) Trichloroethene	7.22	130	129127	33.74	ug/l	100
55) 1,1,2-Trichloroethane	9.34	97	1958	0.59	ug/l #	13
60) Dibromochloromethane	9.34	129	234455	69.41	ug/l #	11
64) Tetrachloroethene	9.34	164	281317	70.19	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	90468	30.16	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90468	92.19	ug/l #	7

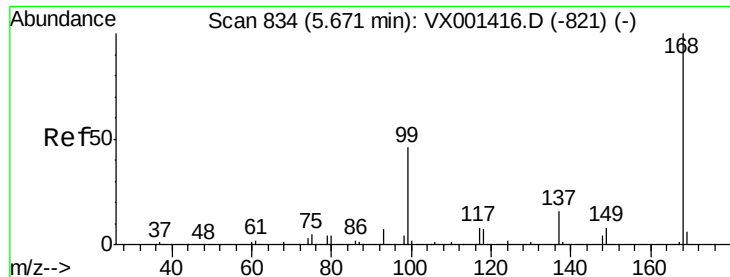
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

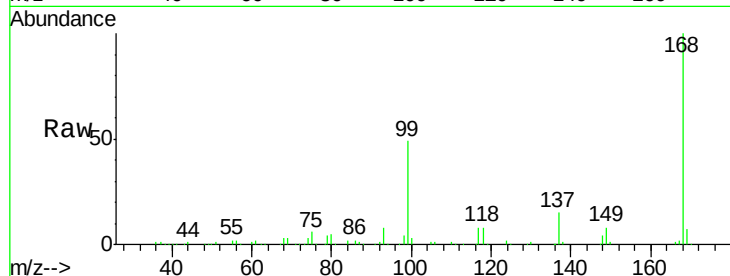
ST008MW146-180501

Tgt Ion:168 Resp: 252091

Ion Ratio Lower Upper

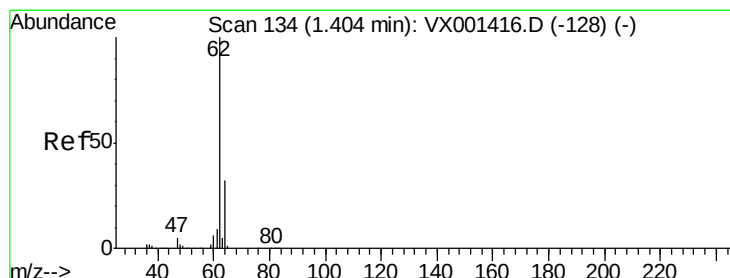
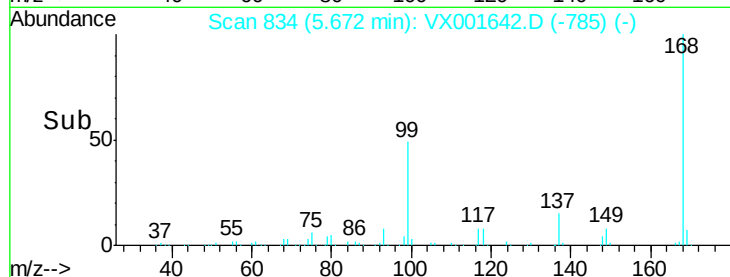
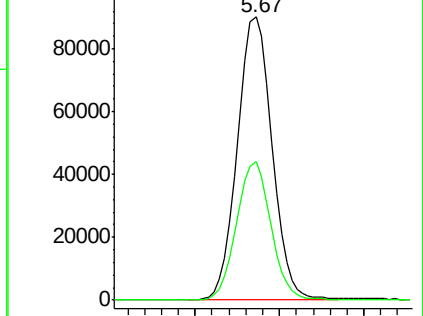
168 100

99 48.9 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 3.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001642.D

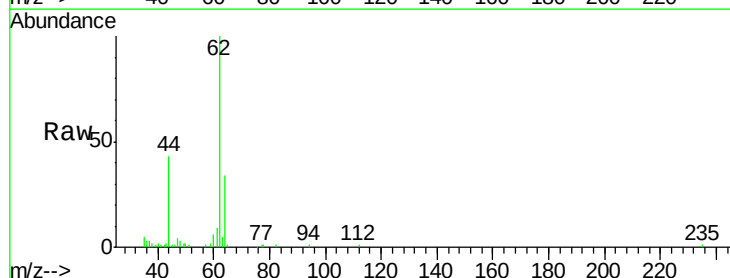
Acq: 11 May 2018 16:34

Tgt Ion: 62 Resp: 12648

Ion Ratio Lower Upper

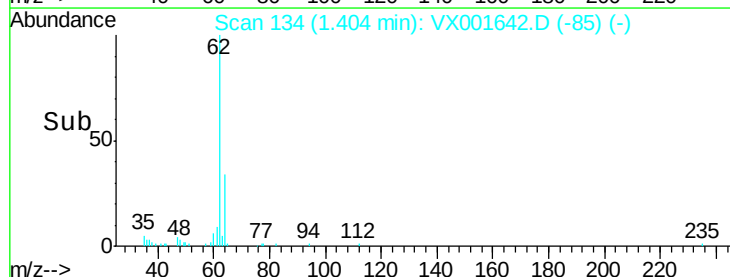
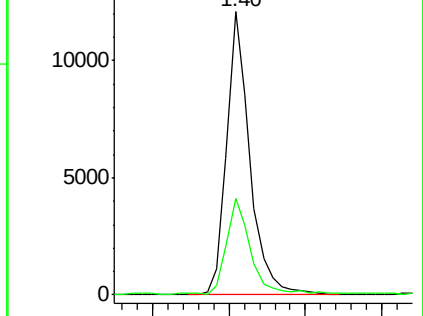
62 100

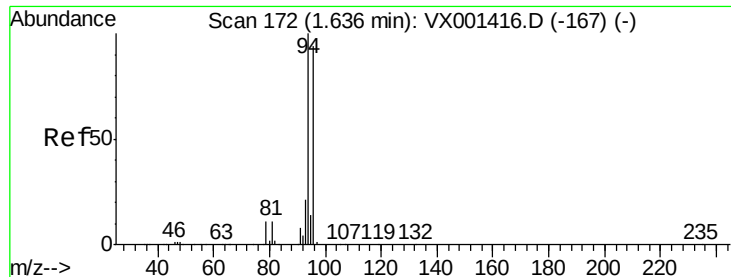
64 33.8 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

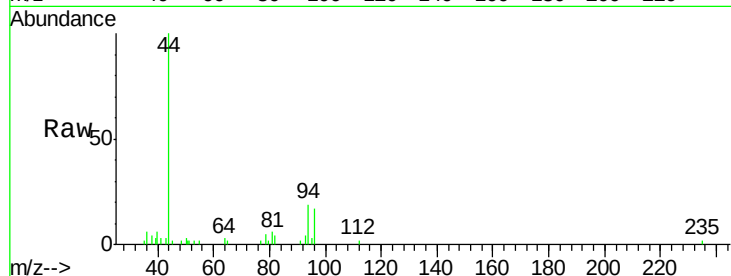
ST008MW146-180501

Tgt Ion: 94 Resp: 1439

Ion Ratio Lower Upper

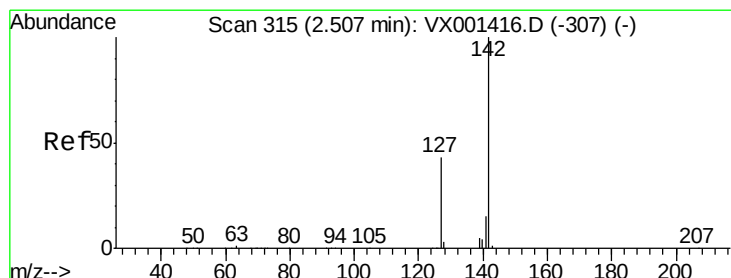
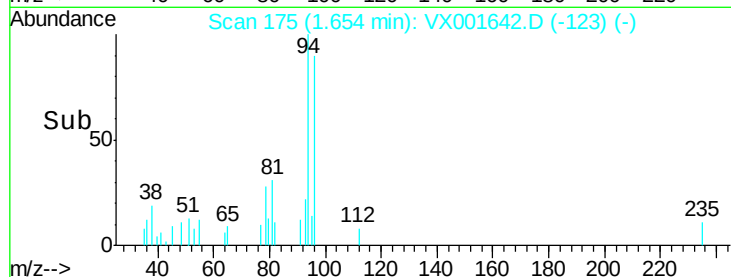
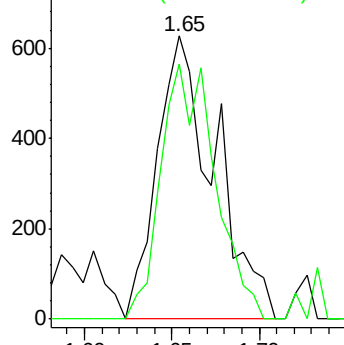
94 100

96 90.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.27 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

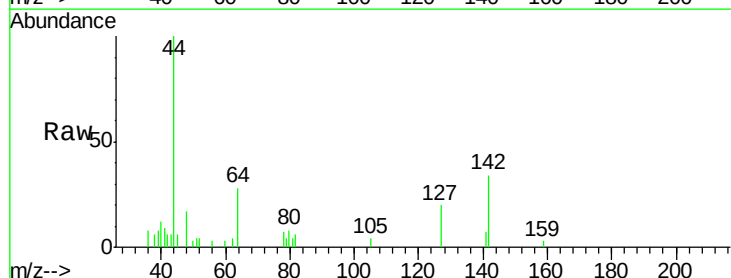
Tgt Ion: 142 Resp: 1198

Ion Ratio Lower Upper

142 100

127 50.8 33.6 50.4#

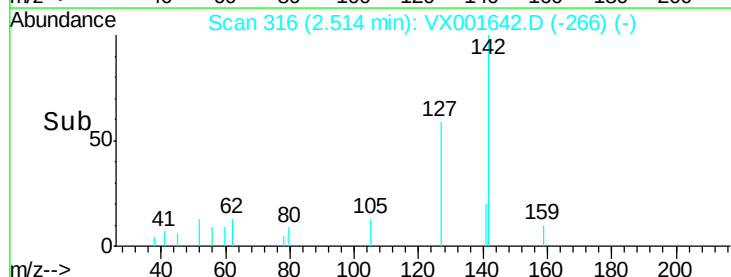
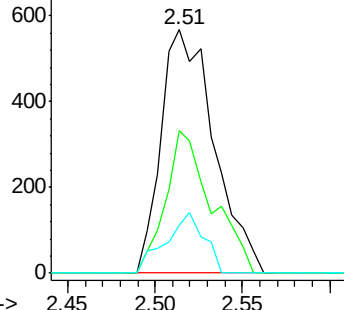
141 18.2 11.4 17.2#

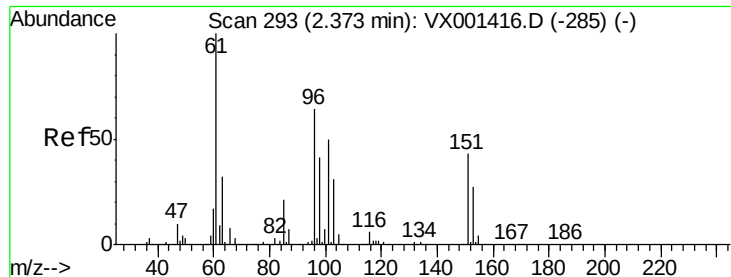


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

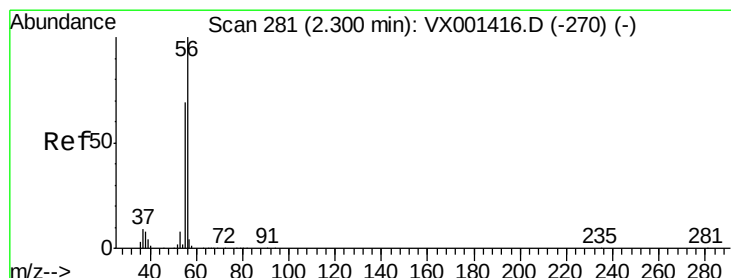
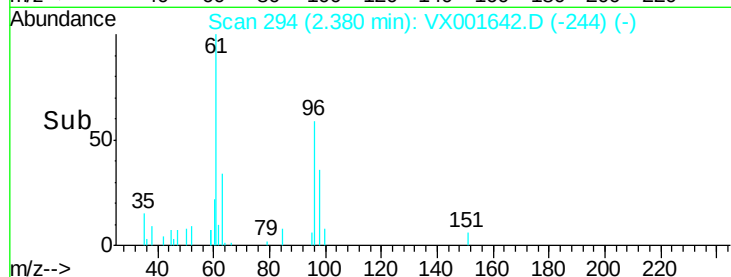
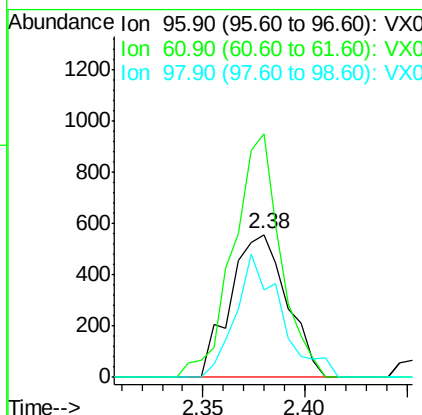
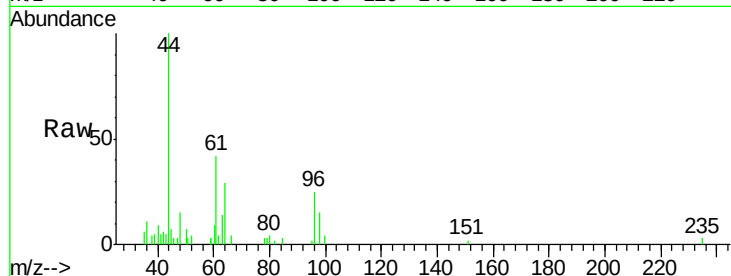




#12
 1,1-Dichloroethene
 Concen: 0.38 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

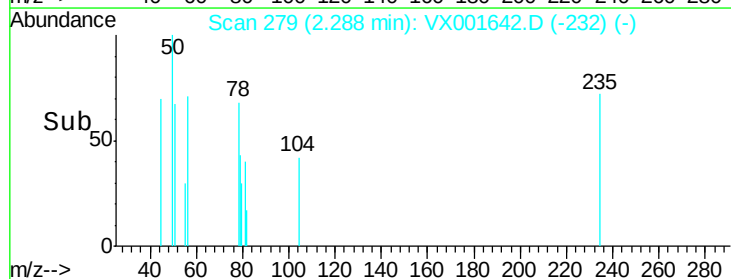
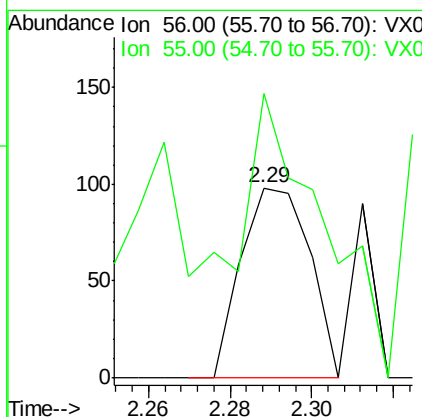
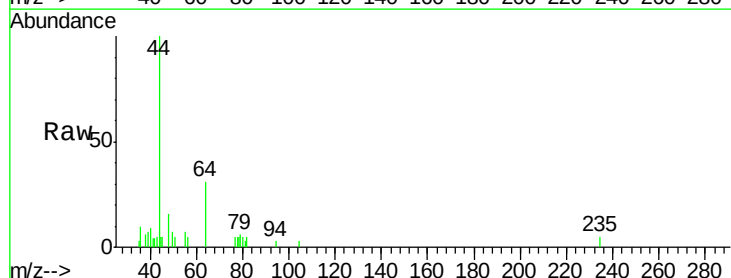
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW146-180501

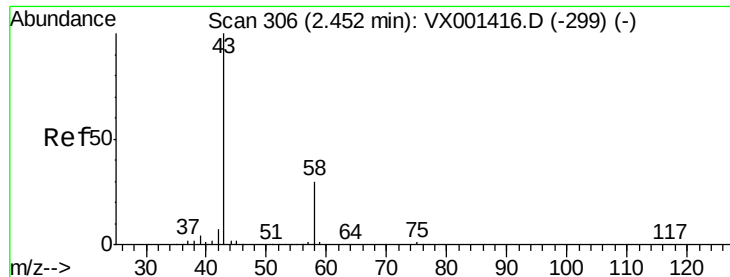
Tgt Ion: 96 Resp: 1072
 Ion Ratio Lower Upper
 96 100
 61 170.4 125.7 188.5
 98 61.4 52.0 78.0



#13
 Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

Tgt Ion: 56 Resp: 115
 Ion Ratio Lower Upper
 56 100
 55 150.4 54.5 81.7#





#16

Acetone

Concen: 1.02 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

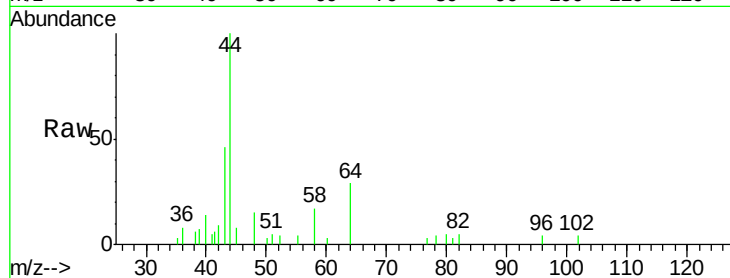
ST008MW146-180501

Tgt Ion: 43 Resp: 1685

Ion Ratio Lower Upper

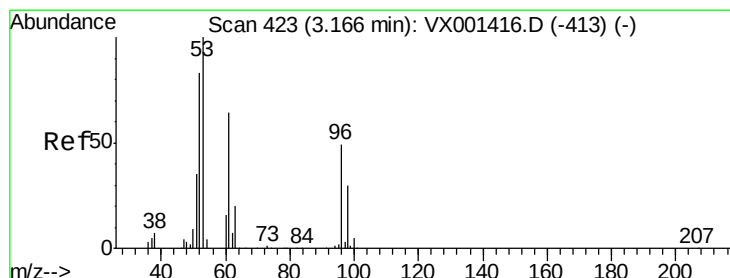
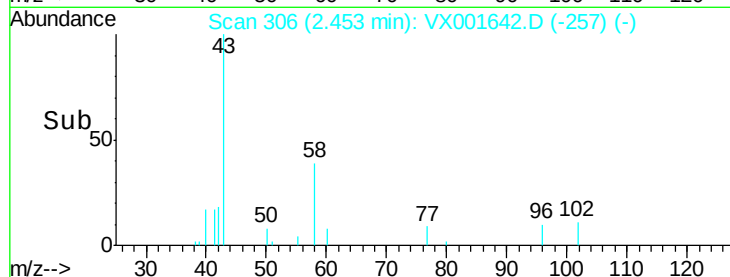
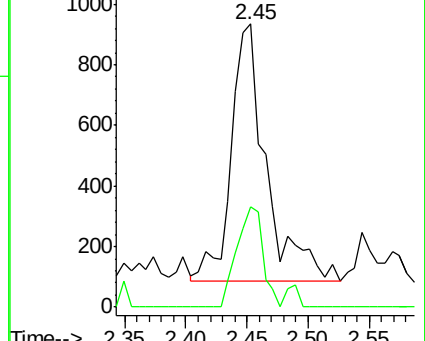
43 100

58 39.3 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 1.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

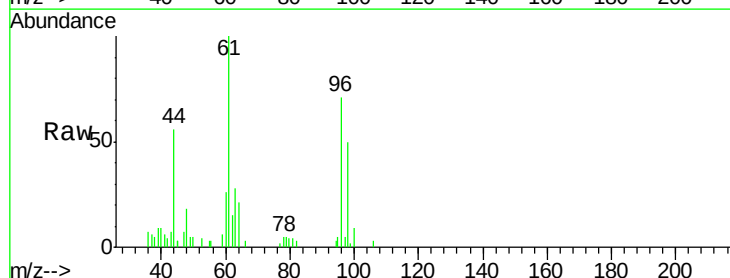
Tgt Ion: 96 Resp: 3349

Ion Ratio Lower Upper

96 100

61 139.9 105.0 157.4

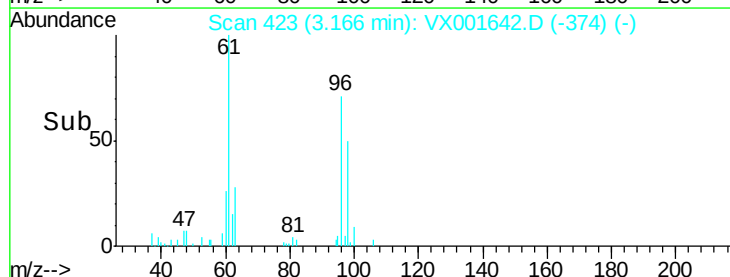
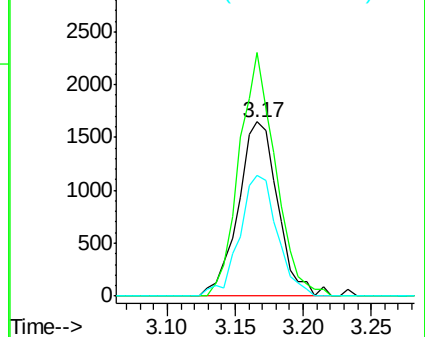
98 69.5 49.9 74.9

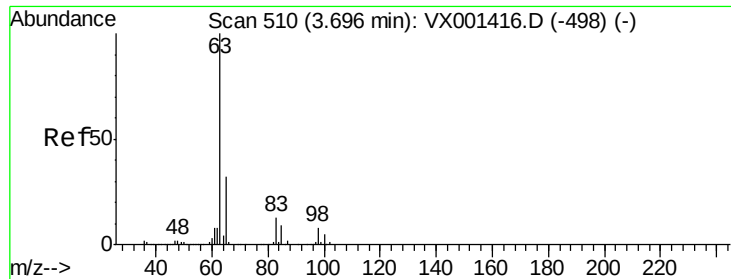


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 0.20 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-180501

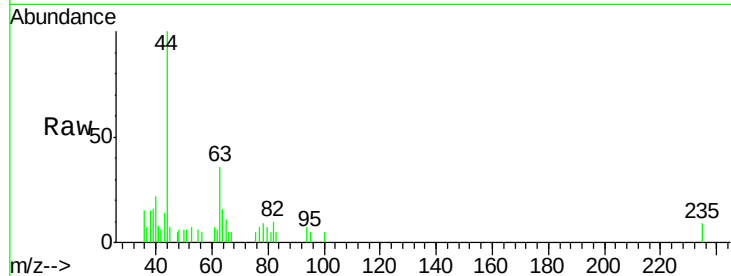
Tgt Ion: 63 Resp: 1090

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.4#

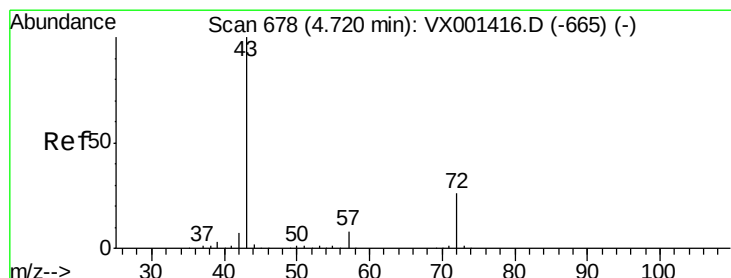
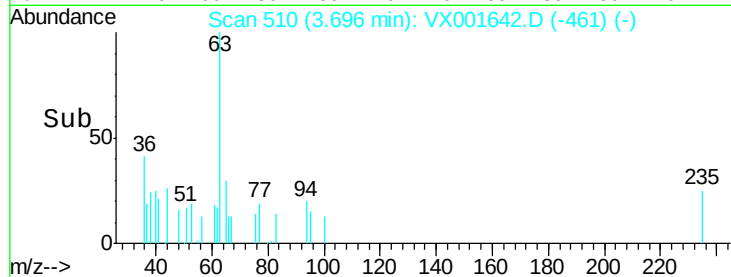
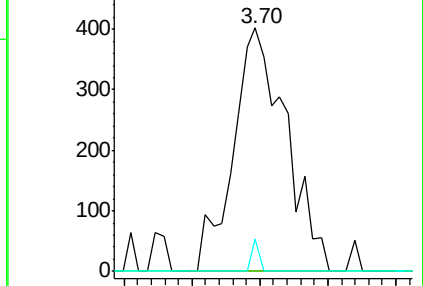
100 13.4 2.4 7.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001642.D

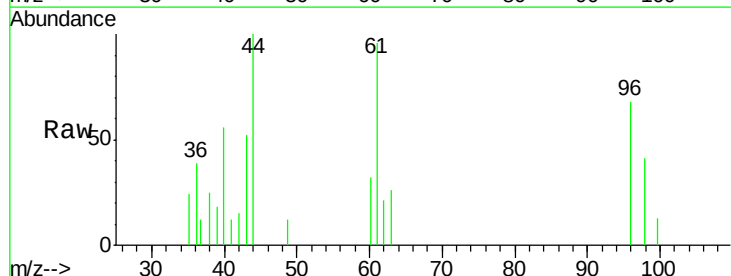
Acq: 11 May 2018 16:34

Tgt Ion: 43 Resp: 783

Ion Ratio Lower Upper

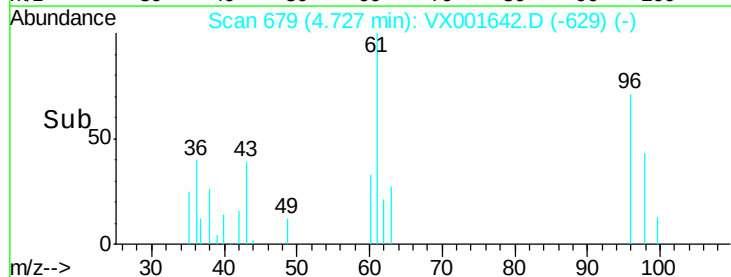
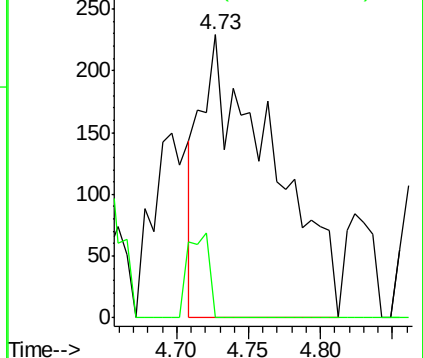
43 100

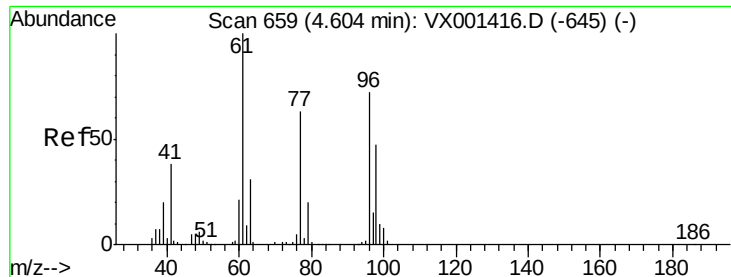
72 0.0 20.7 31.1#



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: 196.05 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-180501

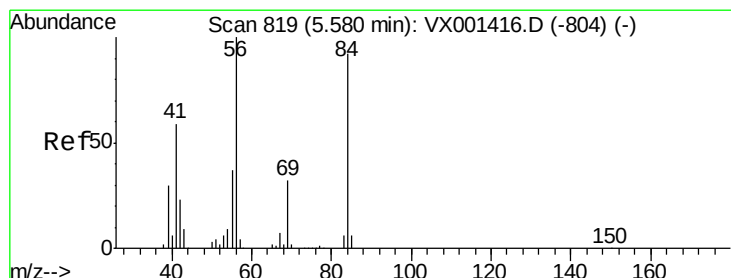
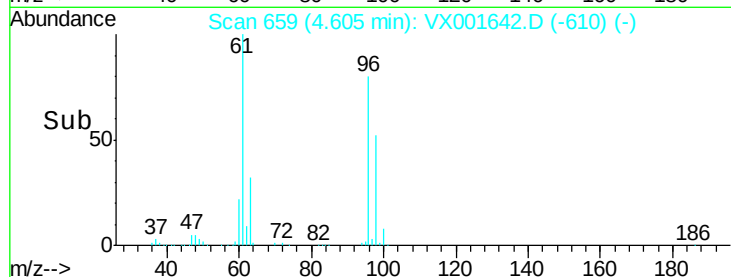
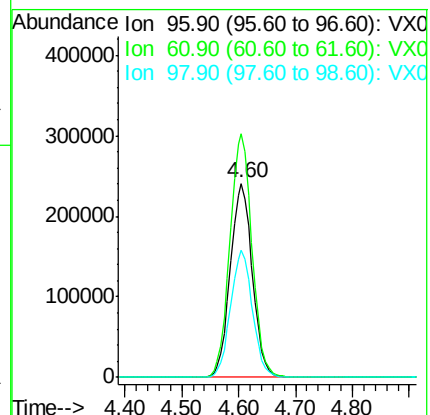
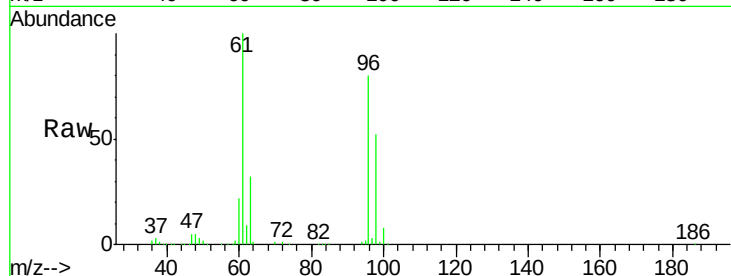
Tgt Ion: 96 Resp: 649982

Ion Ratio Lower Upper

96 100

61 125.7 0.0 301.6

98 64.9 0.0 131.6



#31

Cyclohexane

Concen: 0.94 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

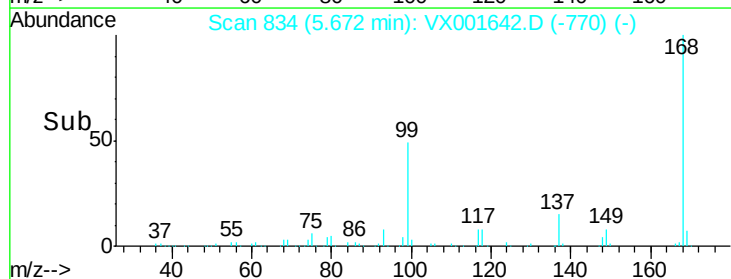
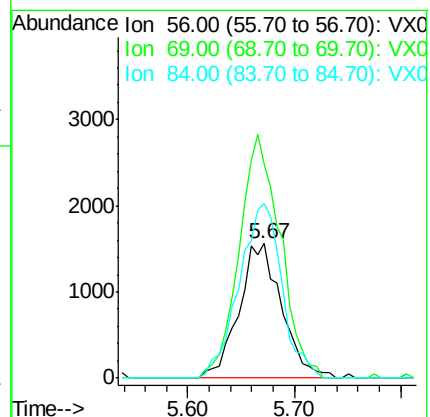
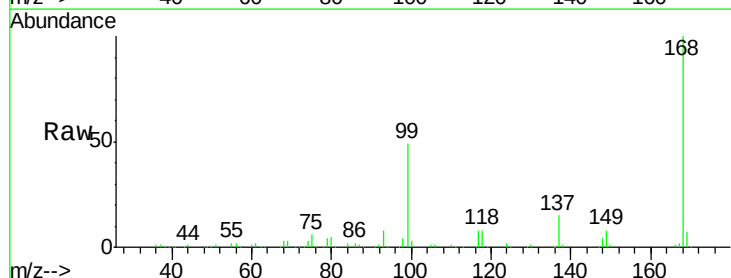
Tgt Ion: 56 Resp: 4384

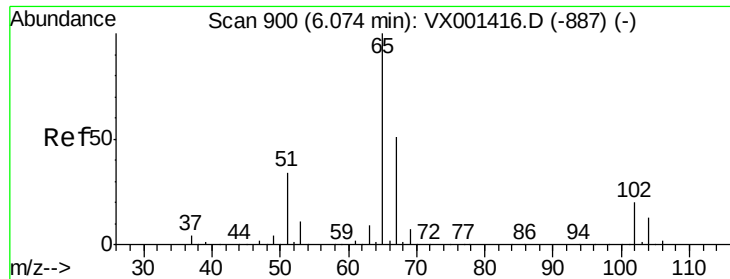
Ion Ratio Lower Upper

56 100

69 158.9 25.4 38.0#

84 129.3 73.8 110.8#

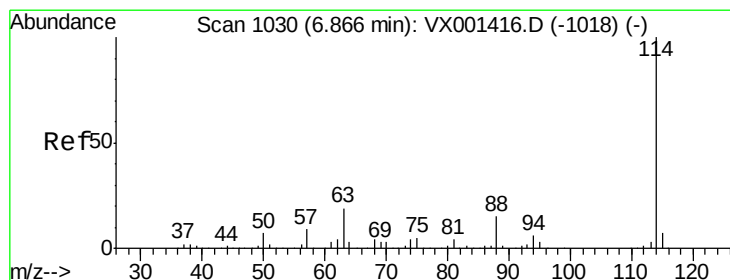
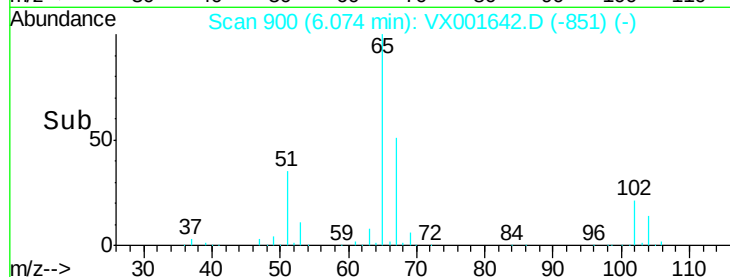
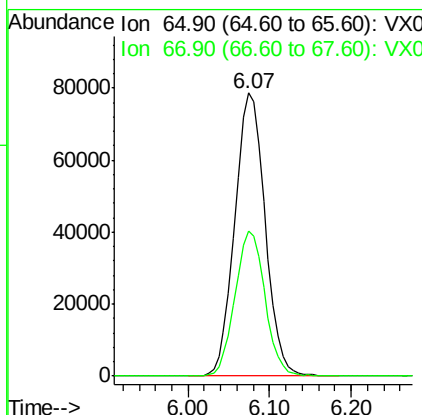
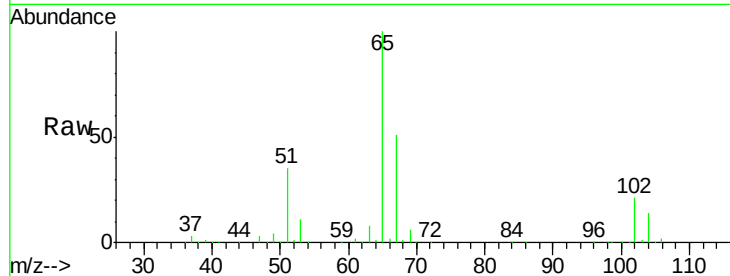




#33
 1,2-Dichloroethane-d4
 Concen: 55.90 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

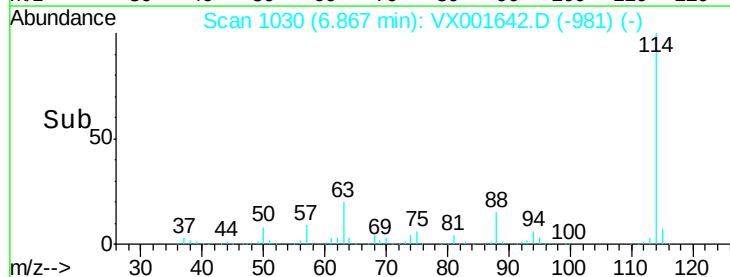
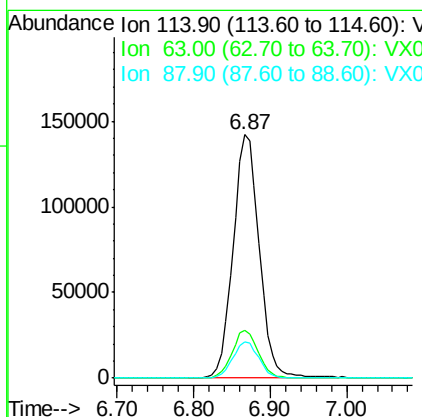
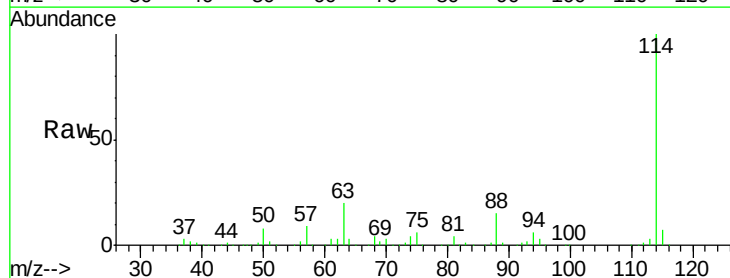
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW146-180501

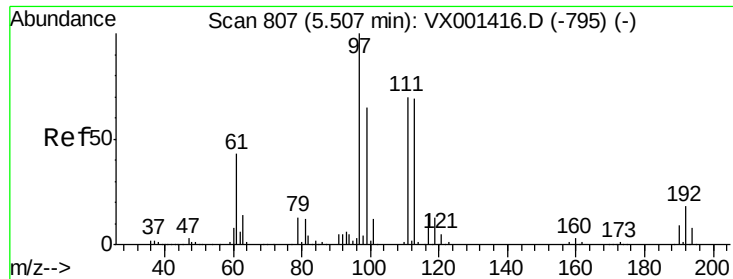
Tgt Ion: 65 Resp: 202545
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

Tgt Ion: 114 Resp: 336999
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.0 0.0 30.8

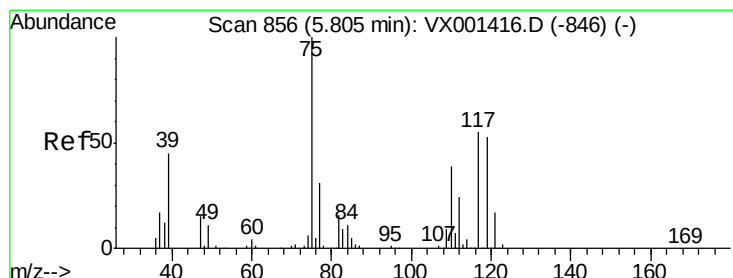
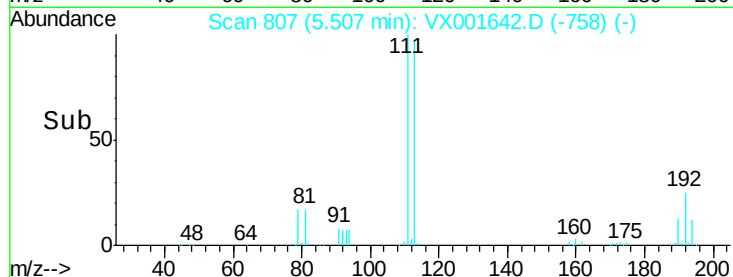
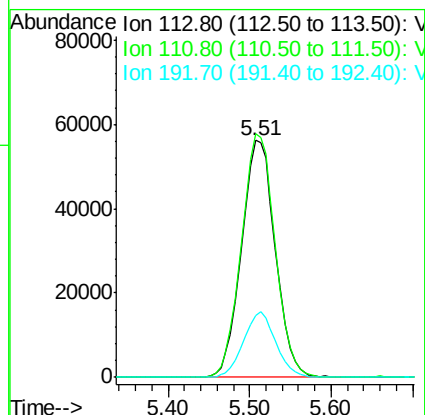
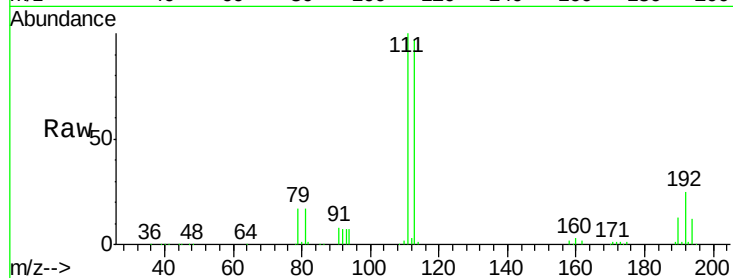




#35
 Dibromofluoromethane
 Concen: 53.87 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

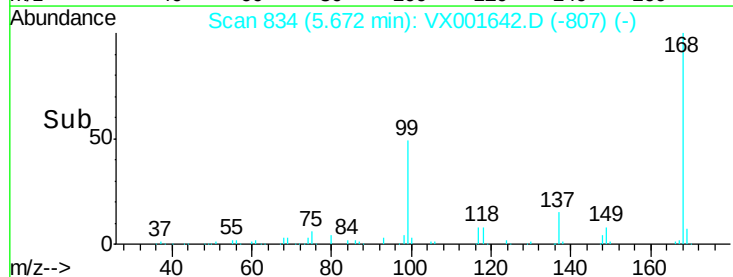
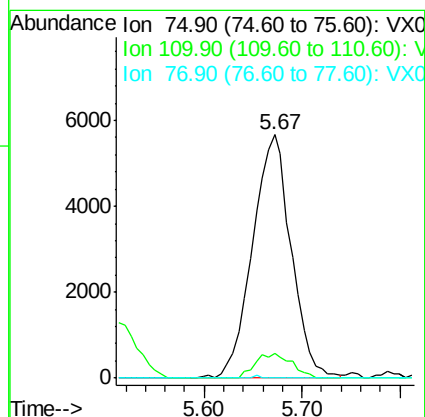
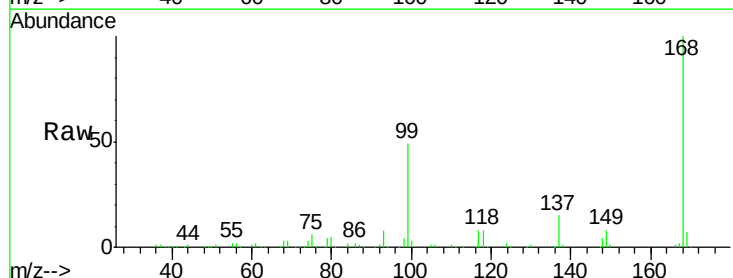
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW146-180501

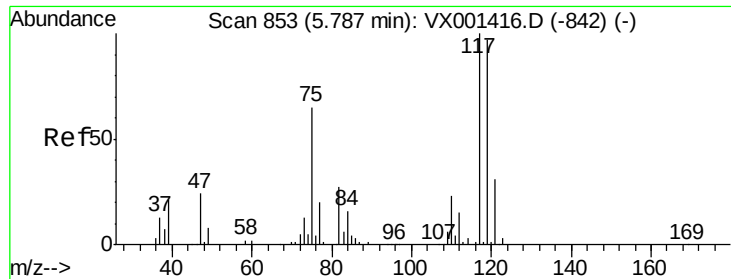
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	26.3	21.4	32.0



#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.9	56.7#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-180501

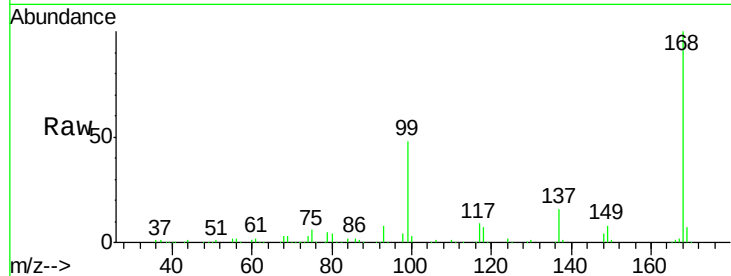
Tgt Ion:117 Resp: 21590

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.6#

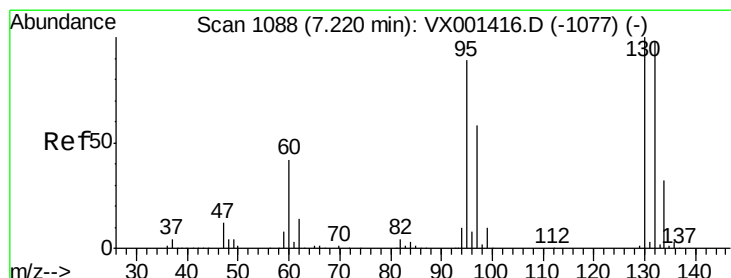
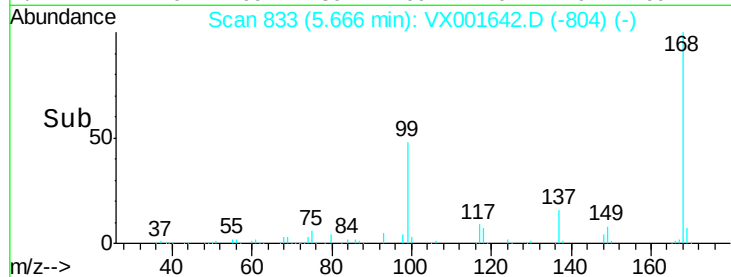
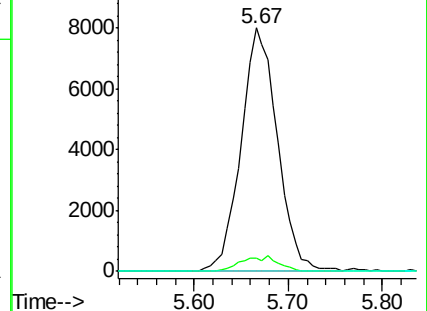
121 0.0 25.1 37.7#



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: 33.74 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001642.D

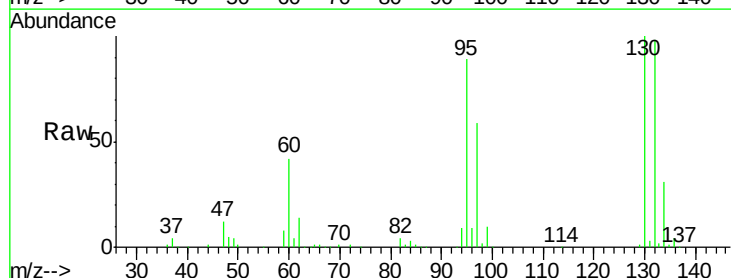
Acq: 11 May 2018 16:34

Tgt Ion:130 Resp: 129127

Ion Ratio Lower Upper

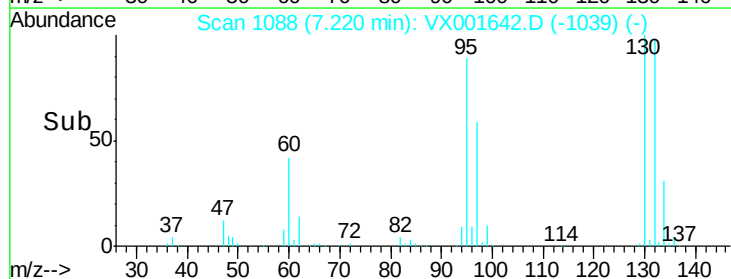
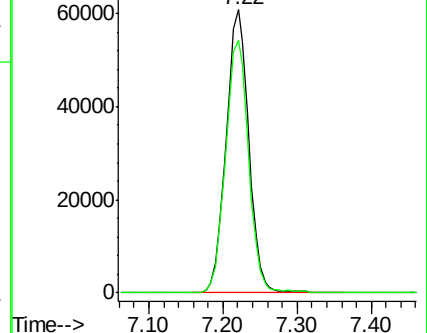
130 100

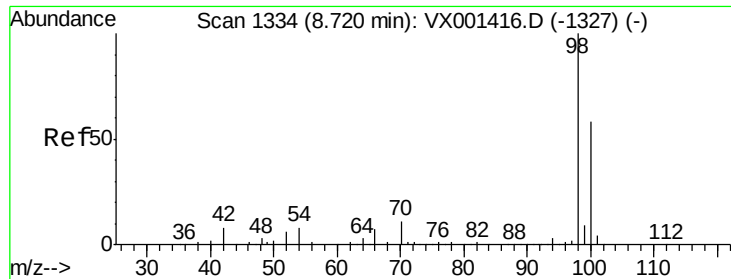
95 89.4 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 52.14 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

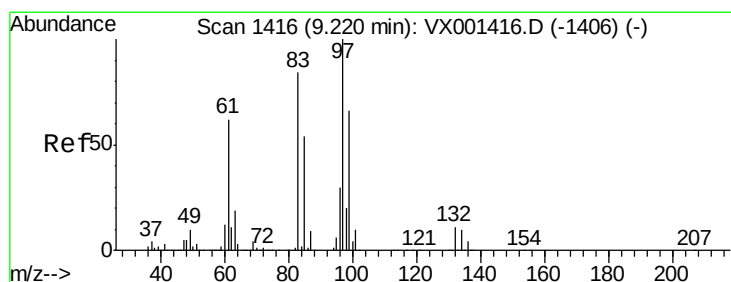
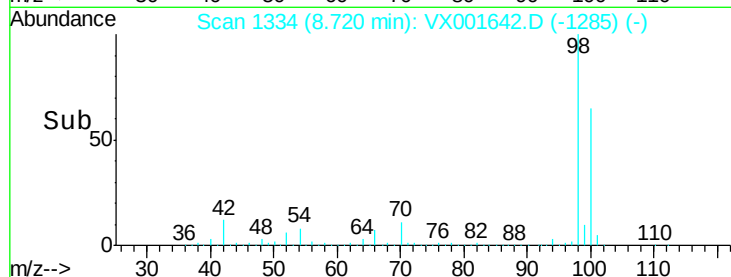
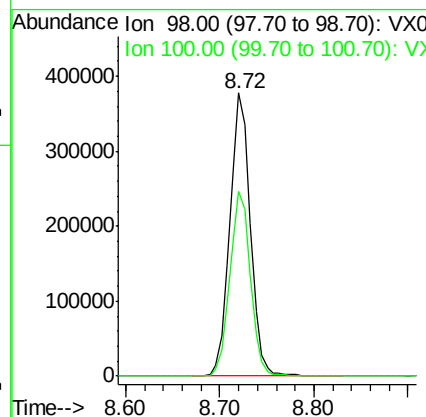
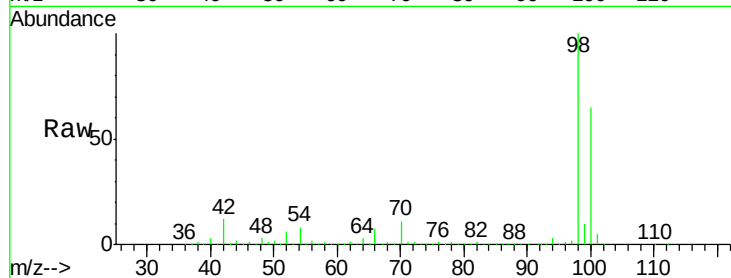
ST008MW146-180501

Tgt Ion: 98 Resp: 570467

Ion Ratio Lower Upper

98 100

100 65.6 54.0 81.0



#55

1,1,2-Trichloroethane

Concen: 0.59 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.12 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Tgt Ion: 97 Resp: 1958

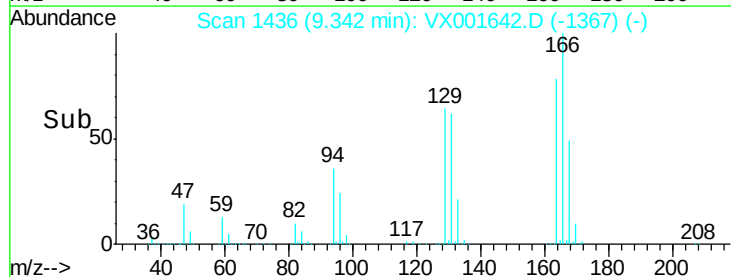
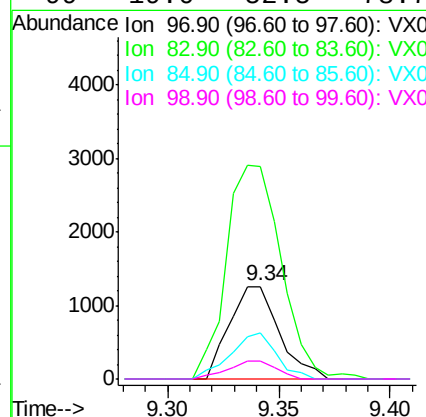
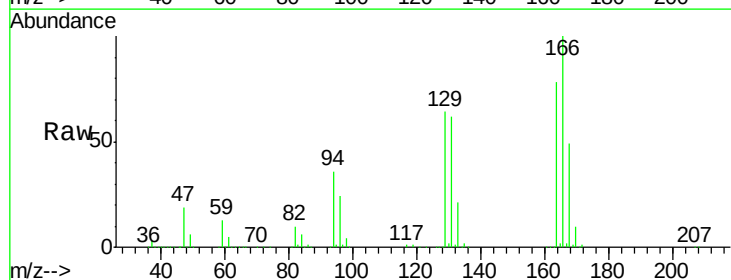
Ion Ratio Lower Upper

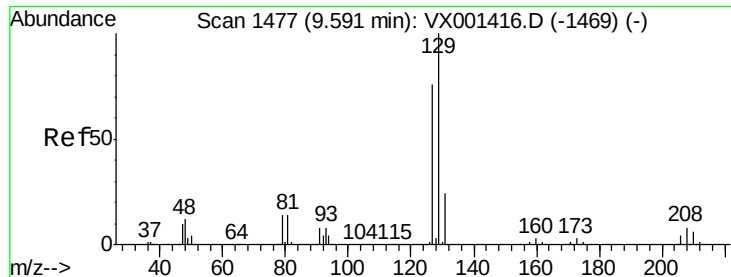
97 100

83 230.6 67.4 101.0#

85 49.5 43.3 64.9

99 19.0 52.5 78.7#

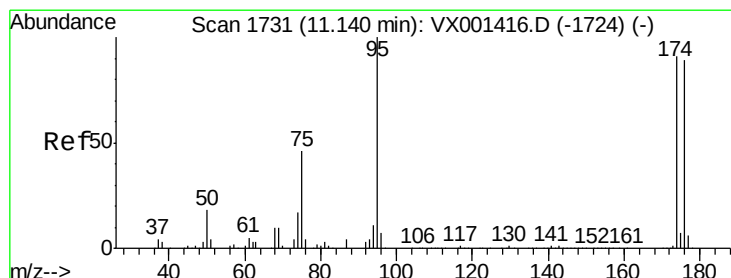
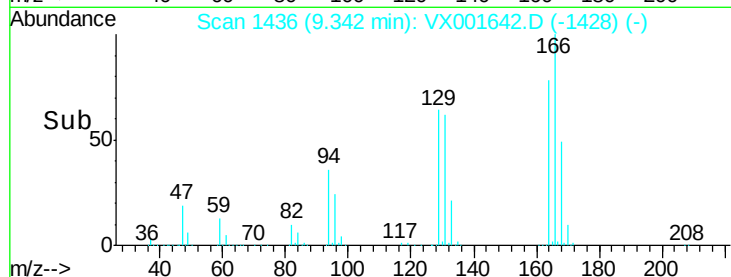
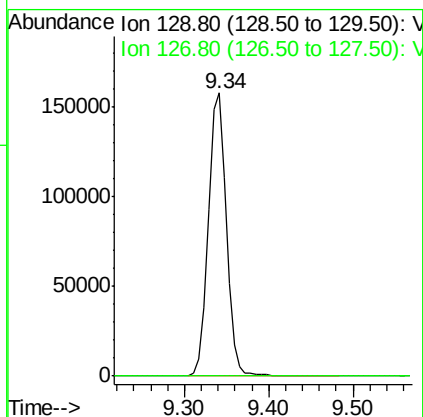
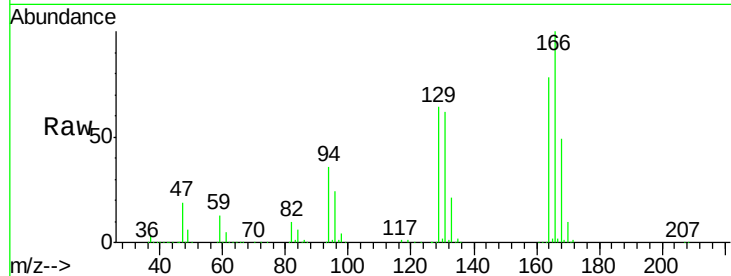




#60
 Dibromochloromethane
 Concen: 69.41 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

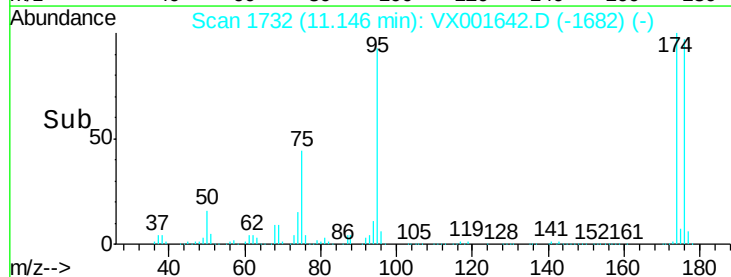
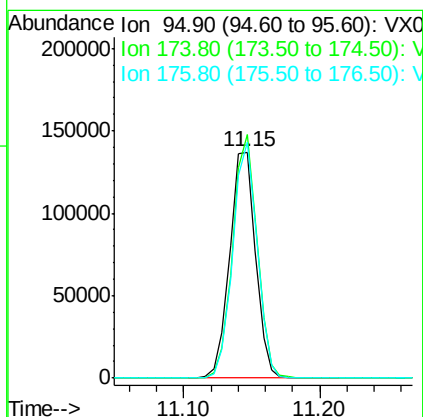
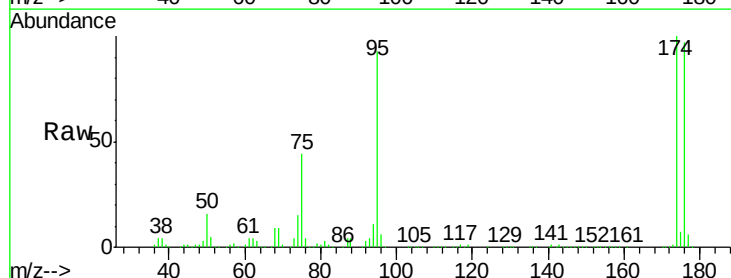
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW146-180501

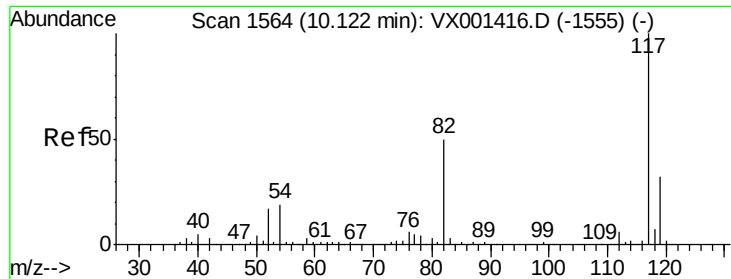
Tgt Ion: 129 Resp: 234455
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.1 114.5#



#62
 4-Bromofluorobenzene
 Concen: 43.25 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.01 min
 Lab File: VX001642.D
 Acq: 11 May 2018 16:34

Tgt Ion: 95 Resp: 181659
 Ion Ratio Lower Upper
 95 100
 174 101.8 0.0 202.0
 176 98.4 0.0 197.4

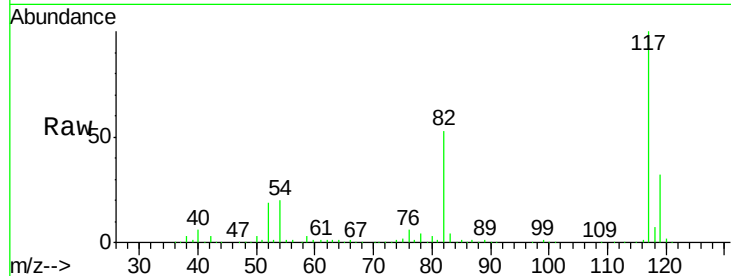




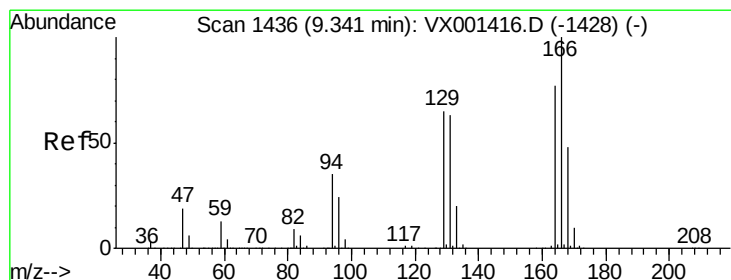
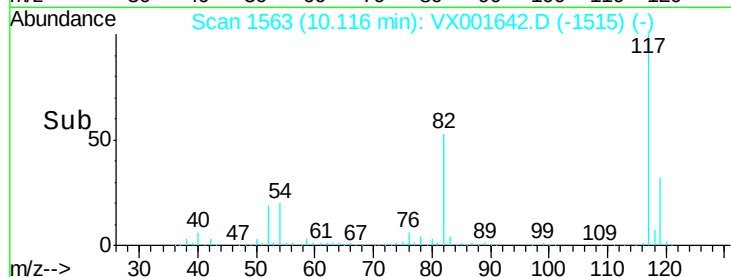
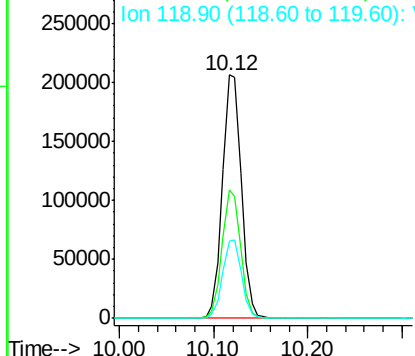
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001642.D
Acq: 11 May 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
ST008MW146-180501

Tgt Ion:117 Resp: 287539
Ion Ratio Lower Upper
117 100
82 52.7 40.0 60.0
119 31.9 25.8 38.8

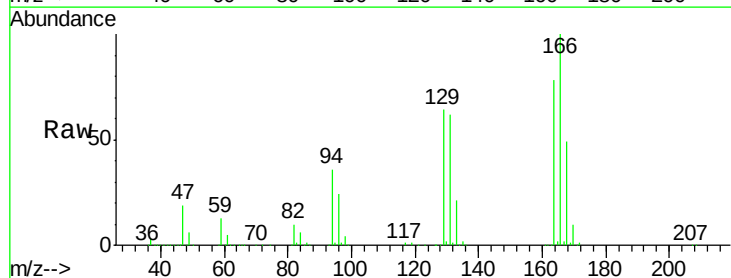


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

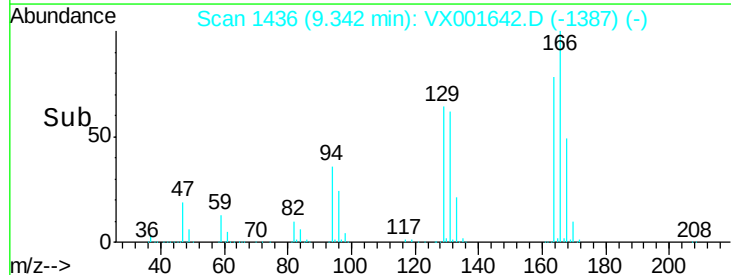
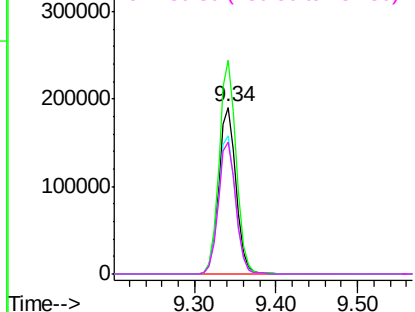


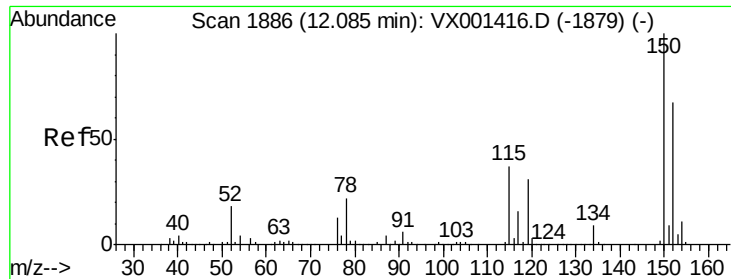
#64
Tetrachloroethene
Concen: 70.19 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001642.D
Acq: 11 May 2018 16:34

Tgt Ion:164 Resp: 281317
Ion Ratio Lower Upper
164 100
166 128.3 103.5 155.3
129 82.7 66.7 100.1
131 79.3 64.9 97.3



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-180501

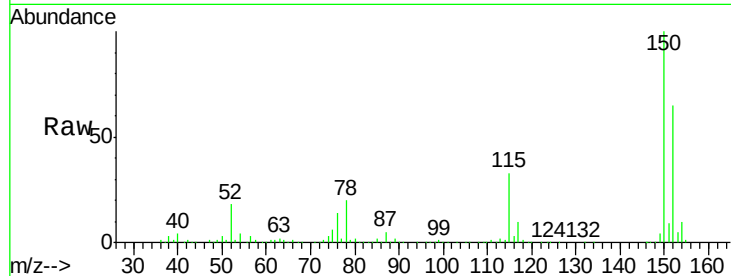
Tgt Ion:152 Resp: 147921

Ion Ratio Lower Upper

152 100

115 52.3 37.7 113.1

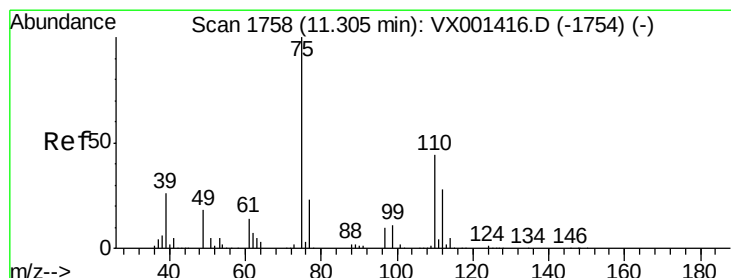
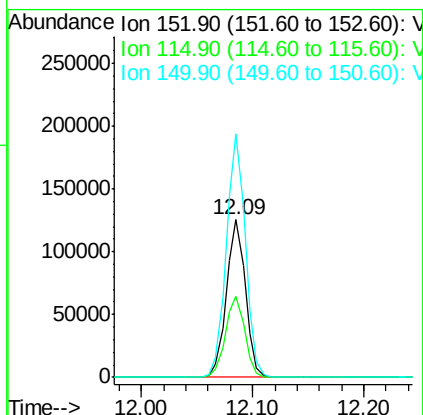
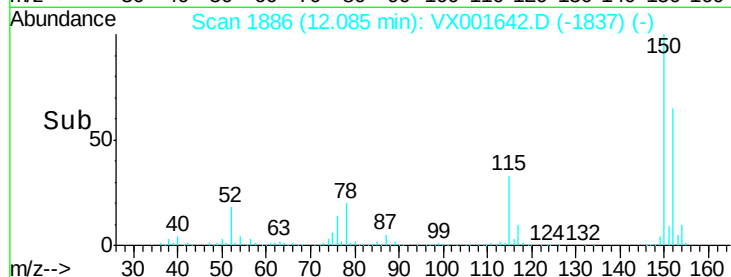
150 154.6 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 30.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001642.D

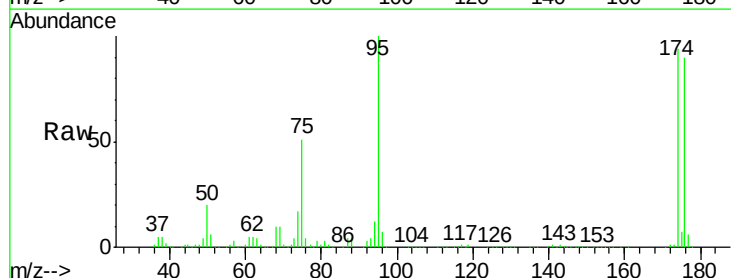
Acq: 11 May 2018 16:34

Tgt Ion: 75 Resp: 90468

Ion Ratio Lower Upper

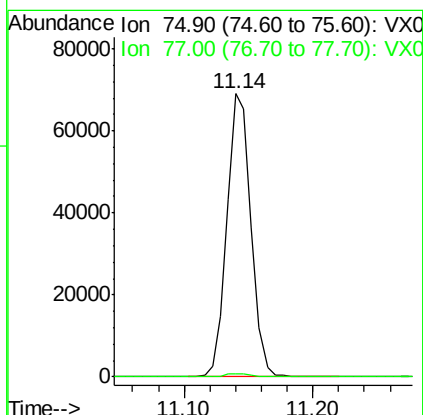
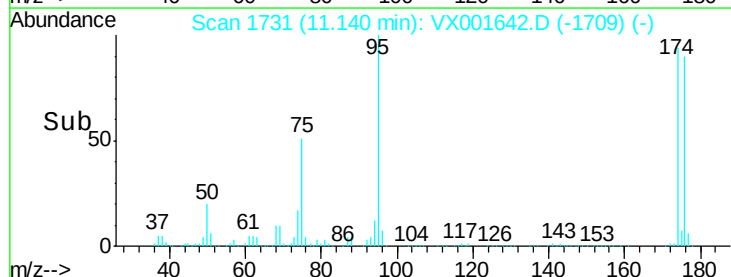
75 100

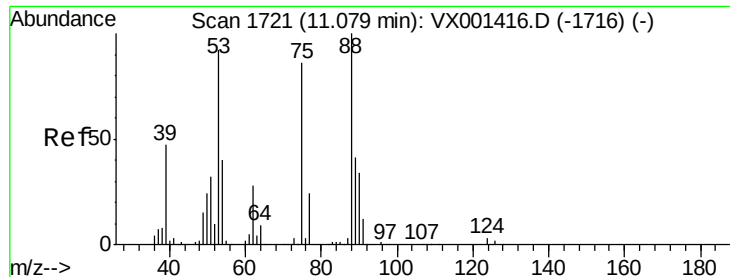
77 1.1 19.6 58.7#



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: 92.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001642.D

Acq: 11 May 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

ST008MW146-180501

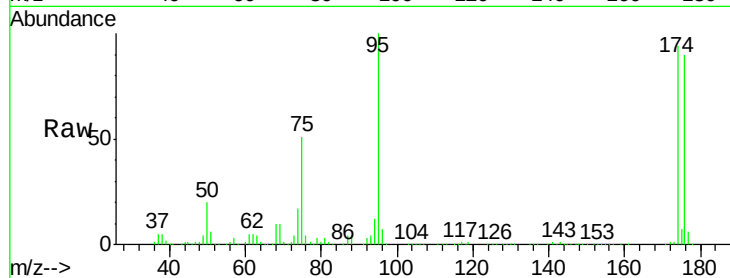
Tgt Ion: 75 Resp: 90468

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



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

