

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001645.D
 Acq On : 11 May 2018 17:54
 Operator : JC/MD
 Sample : J2741-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-19-180501

Quant Time: May 12 03:36:05 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	248315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	332187	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148644	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	194115	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
35) Dibromofluoromethane	5.51	113	154957	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	8.72	98	541435	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.14	95	173462	41.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.80%	

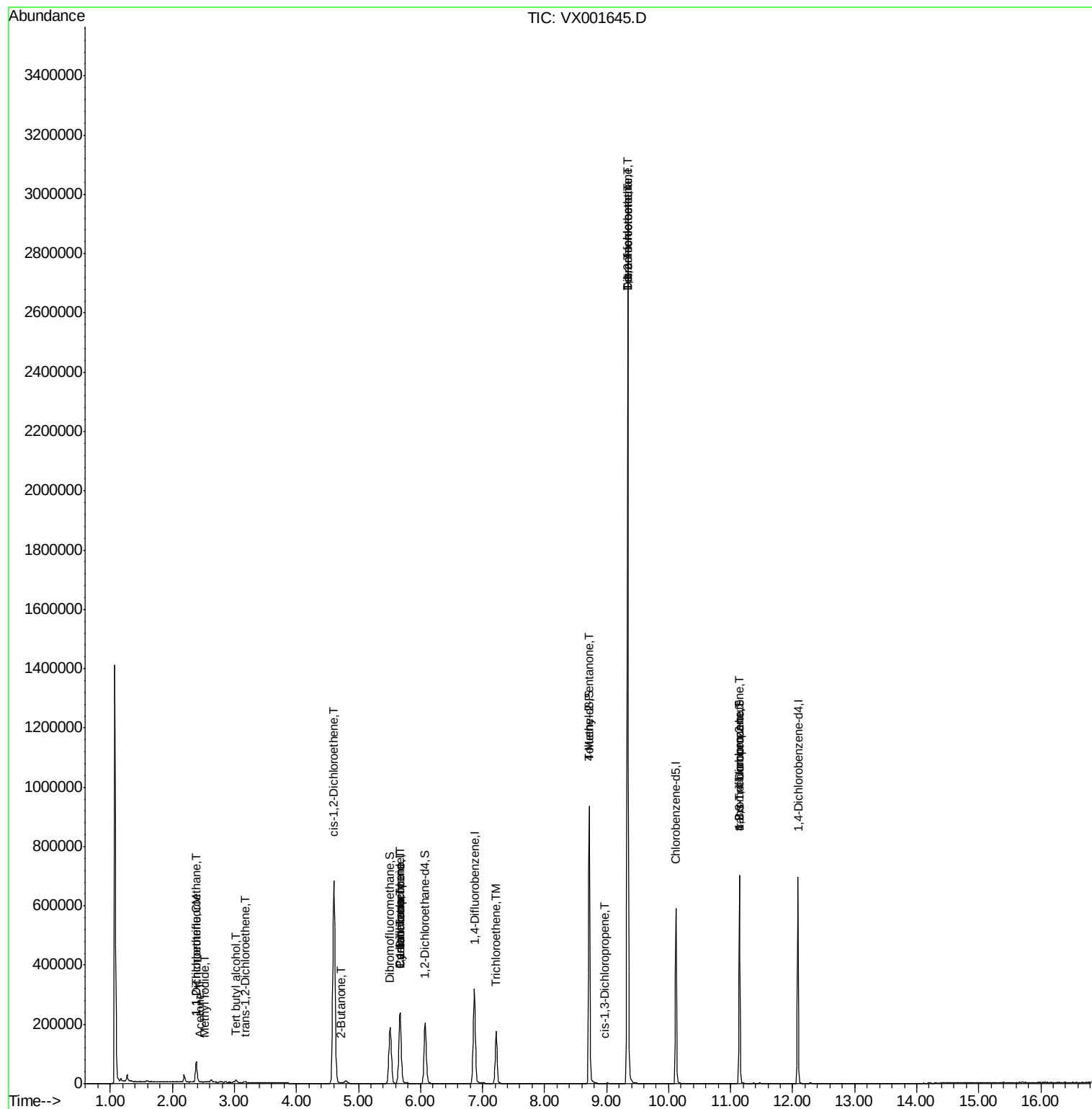
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1271	Below Cal		93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27024	9.01	ug/l	97
10) Methyl Iodide	2.52	142	1071	0.25	ug/l #	97
11) Tert butyl alcohol	3.03	59	4131	5.49	ug/l #	72
12) 1,1-Dichloroethene	2.38	96	862	0.31	ug/l	84
13) Acrolein	2.30	56	81	Below Cal	#	76
16) Acetone	2.45	43	998	0.62	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	1408	0.46	ug/l	93
25) 2-Butanone	4.73	43	1004	0.43	ug/l #	49
27) cis-1,2-Dichloroethene	4.60	96	435651	133.40	ug/l	86
31) Cyclohexane	5.67	56	4398	0.96	ug/l #	22
36) 1,1-Dichloropropene	5.67	75	15617	3.70	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21675	4.81	ug/l #	15
44) Trichloroethene	7.22	130	70472	18.68	ug/l	94
51) 4-Methyl-2-Pentanone	8.72	43	2626	0.56	ug/l #	1
54) cis-1,3-Dichloropropene	8.98	75	20	2.27	ug/l #	47
55) 1,1,2-Trichloroethane	9.34	97	4649	1.43	ug/l #	1
60) Dibromochloromethane	9.34	129	518992	155.88	ug/l #	11
64) Tetrachloroethene	9.34	164	625740	155.47	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	86773	28.78	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	86773	88.19	ug/l #	7

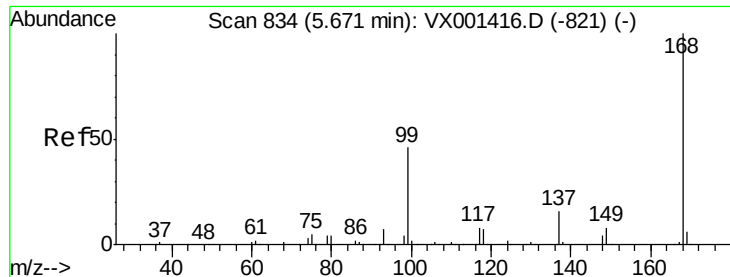
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 12 03:36:05 2018
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Quant Title : SW846 8260
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: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

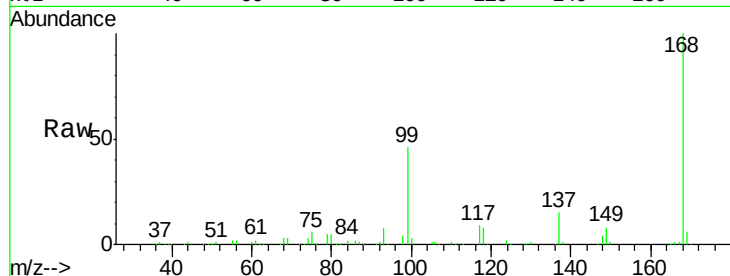
M-19-180501

Tgt Ion:168 Resp: 248315

Ion Ratio Lower Upper

168 100

99 46.0 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

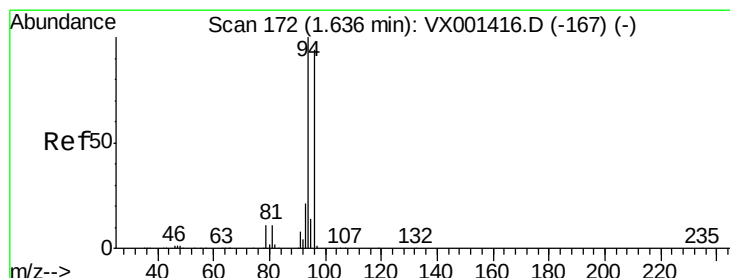
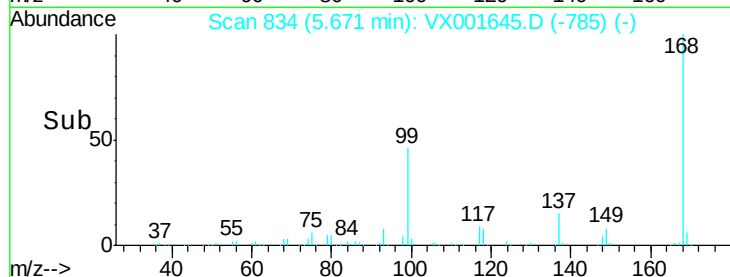
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001645.D

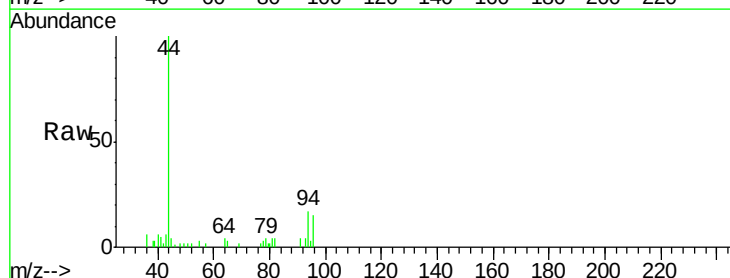
Acq: 11 May 2018 17:54

Tgt Ion: 94 Resp: 1271

Ion Ratio Lower Upper

94 100

96 87.4 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

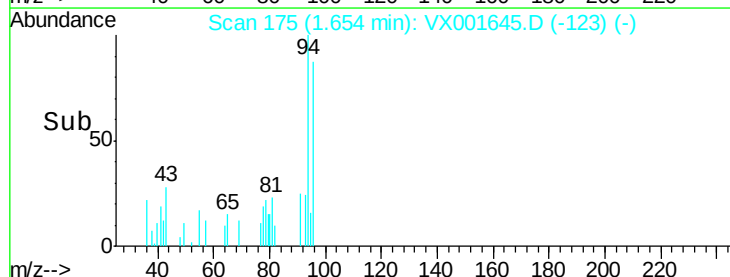
600

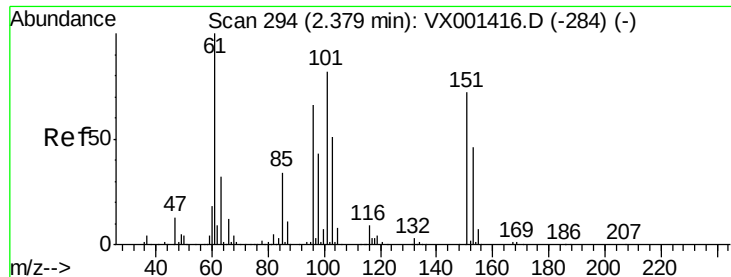
400

200

0

Time--> 1.60 1.65 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.01 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501

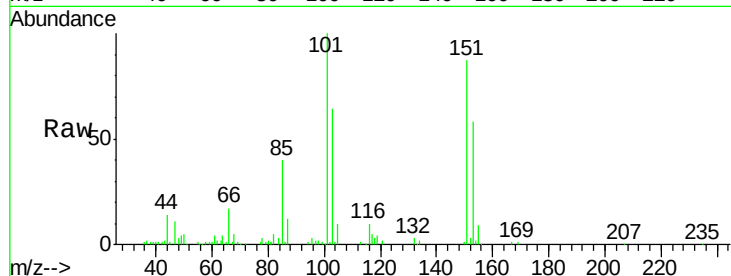
Tgt Ion:101 Resp: 27024

Ion Ratio Lower Upper

101 100

85 41.3 33.7 50.5

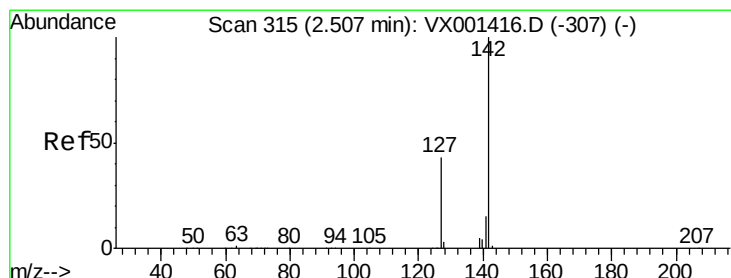
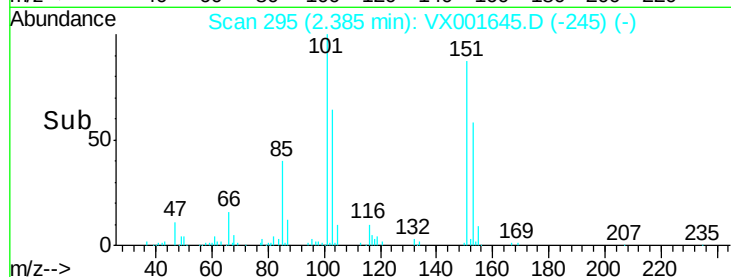
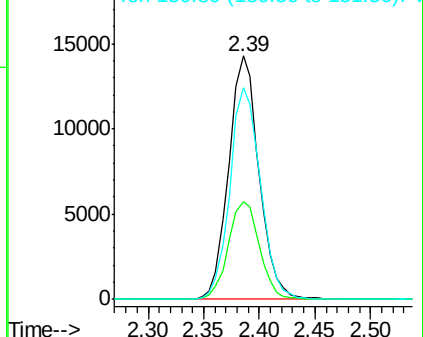
151 87.5 72.3 108.5



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: 0.25 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

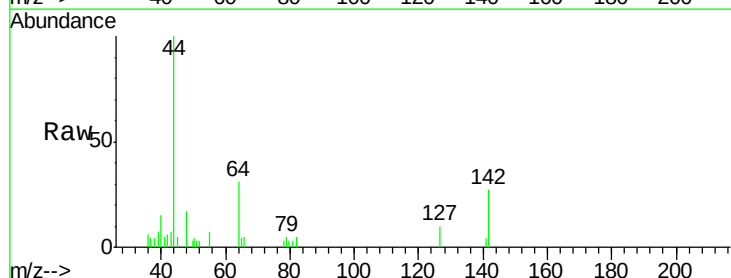
Tgt Ion:142 Resp: 1071

Ion Ratio Lower Upper

142 100

127 41.4 33.6 50.4

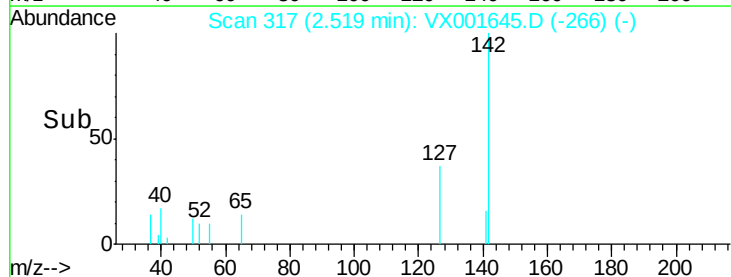
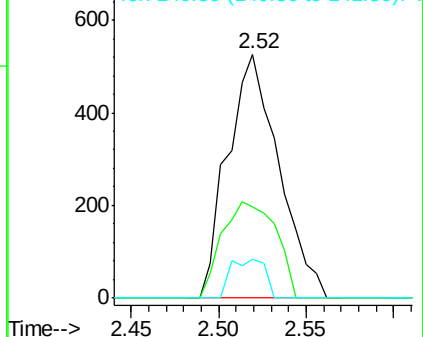
141 10.6 11.4 17.2#

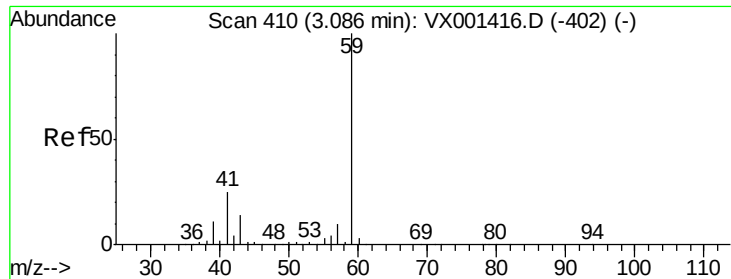


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

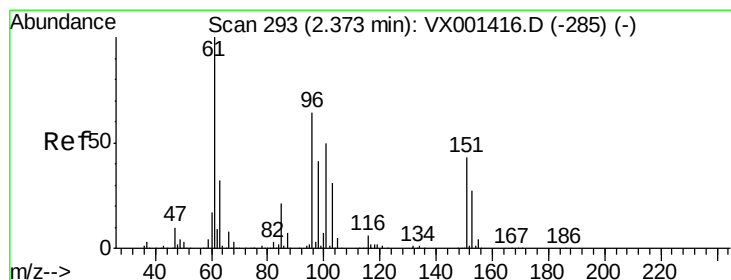
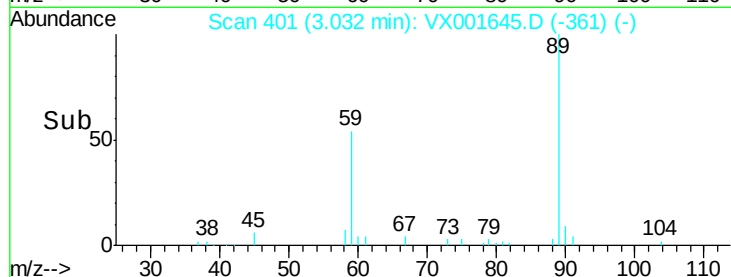
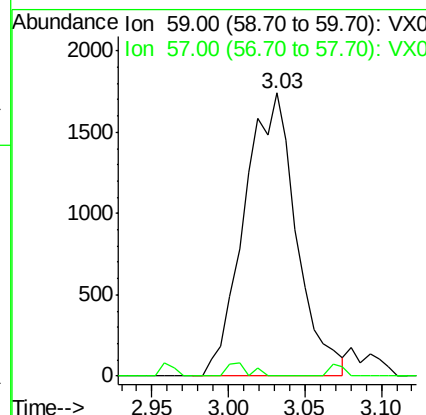
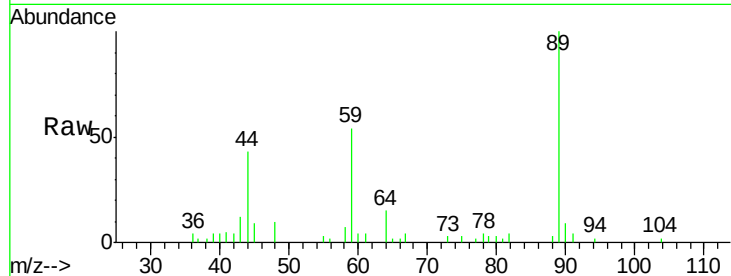




#11
Tert butyl alcohol
Concen: 5.49 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001645.D
Acq: 11 May 2018 17:54

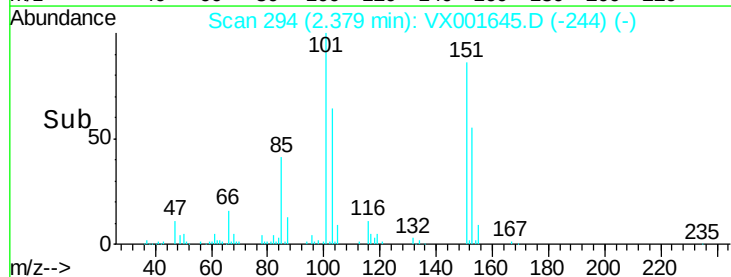
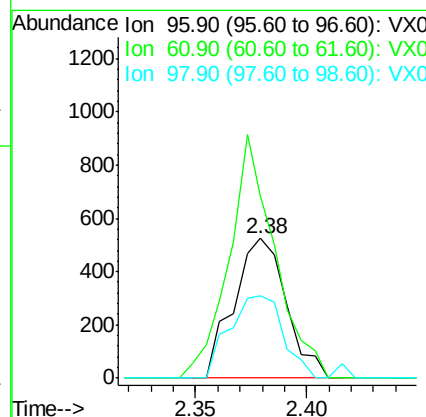
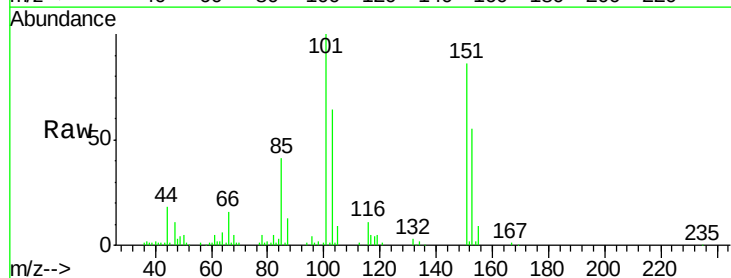
Instrument :
MSVOA_X
ClientSampleId :
M-19-180501

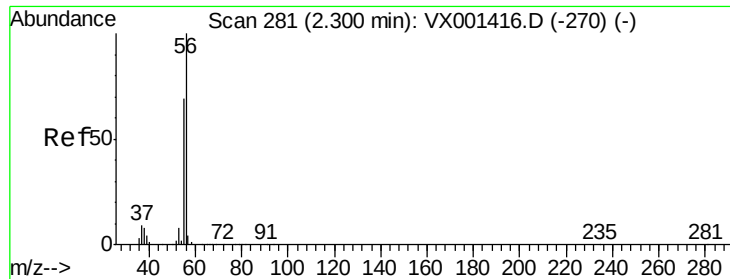
Tgt Ion: 59 Resp: 4131
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.31 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX001645.D
Acq: 11 May 2018 17:54

Tgt Ion: 96 Resp: 862
Ion Ratio Lower Upper
96 100
61 130.9 125.7 188.5
98 58.8 52.0 78.0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

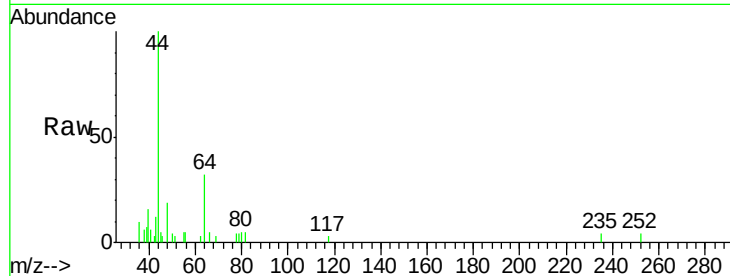
M-19-180501

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

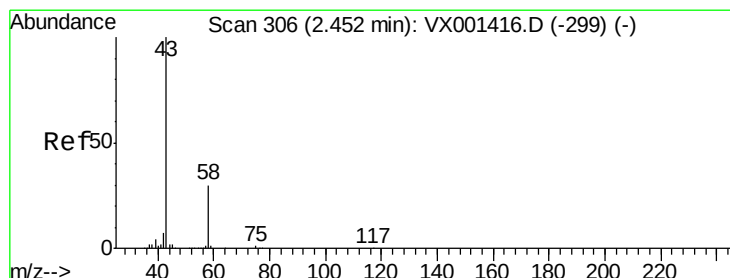
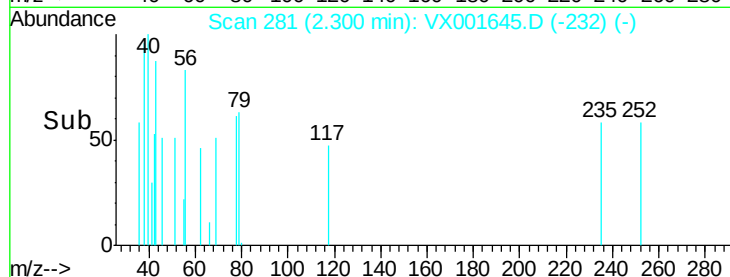
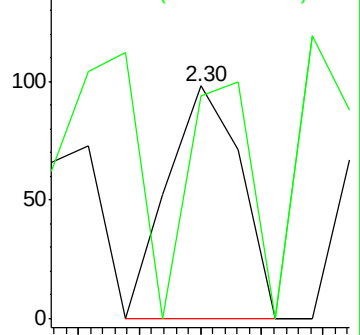
56 100

55 87.7 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.62 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001645.D

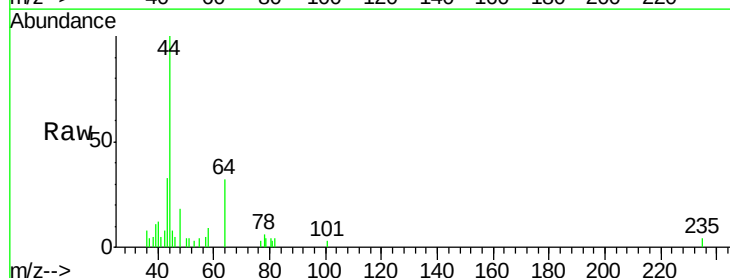
Acq: 11 May 2018 17:54

Tgt Ion: 43 Resp: 998

Ion Ratio Lower Upper

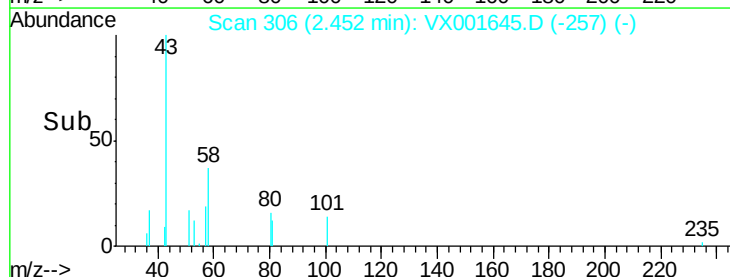
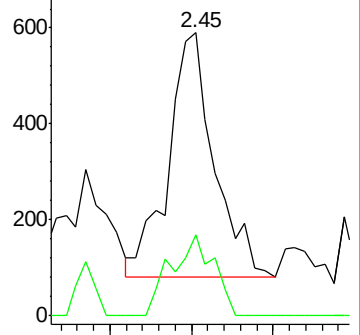
43 100

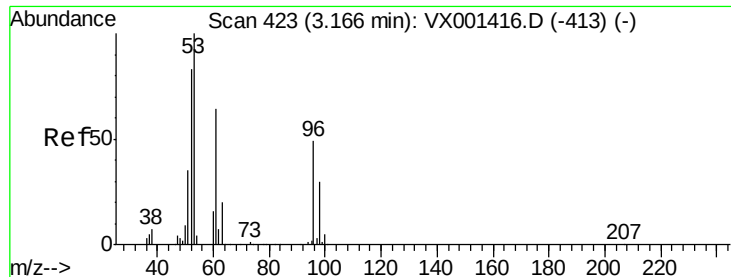
58 33.2 23.8 35.8



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: 0.46 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501

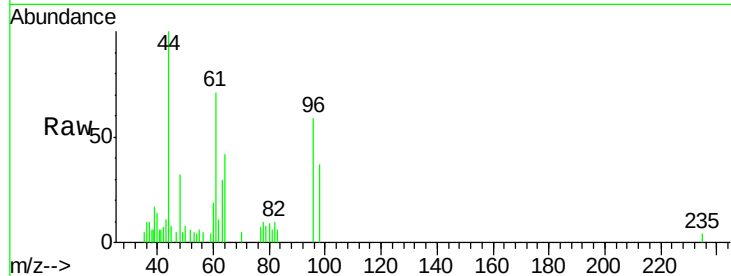
Tgt Ion: 96 Resp: 1408

Ion Ratio Lower Upper

96 100

61 119.9 105.0 157.4

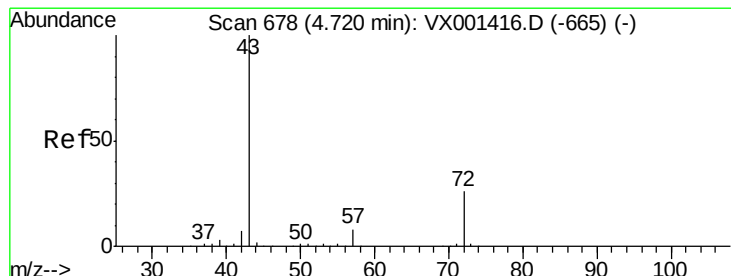
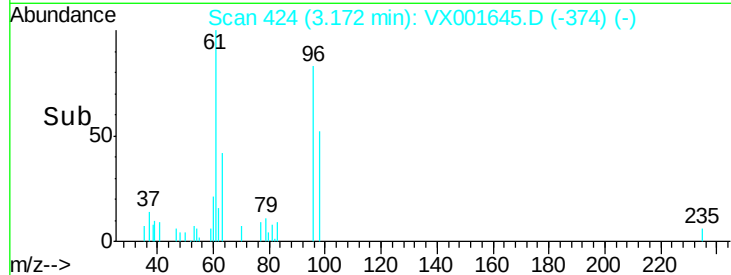
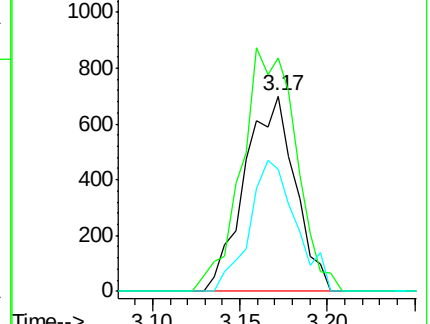
98 62.7 49.9 74.9



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



#25

2-Butanone

Concen: 0.43 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001645.D

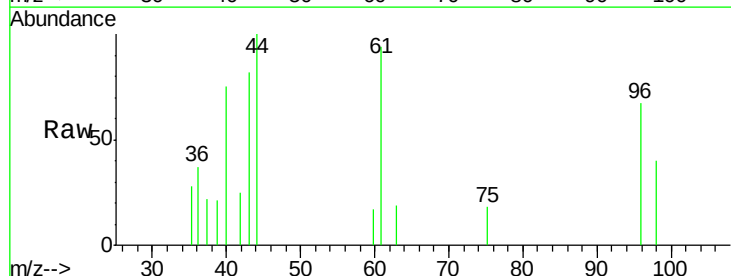
Acq: 11 May 2018 17:54

Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

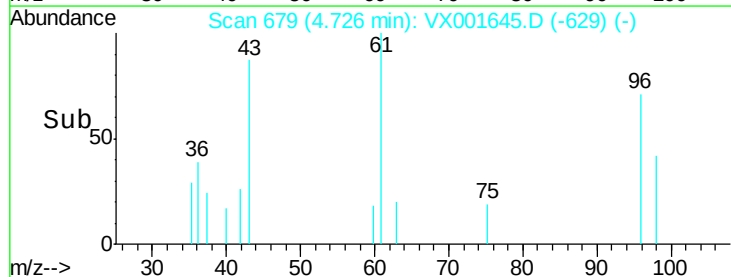
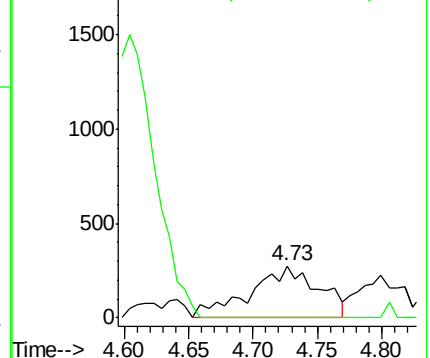
43 100

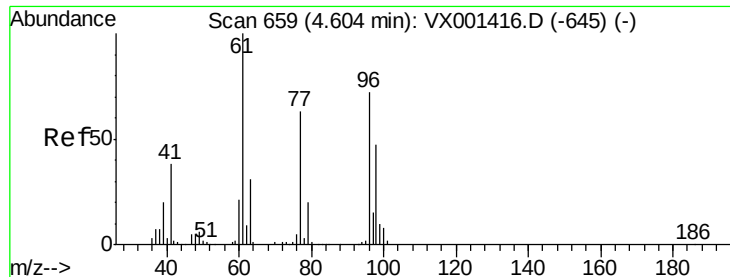
72 0.0 20.7 31.1#



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: 133.40 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

M-19-180501

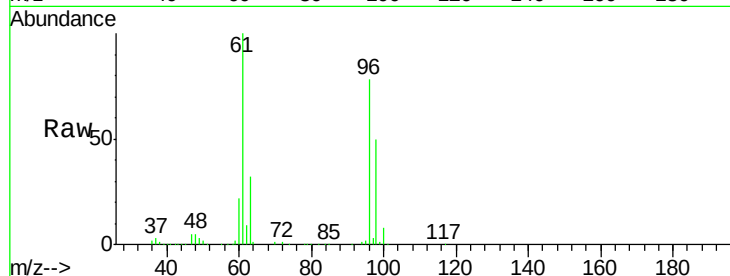
Tgt Ion: 96 Resp: 435651

Ion Ratio Lower Upper

96 100

61 126.4 0.0 301.6

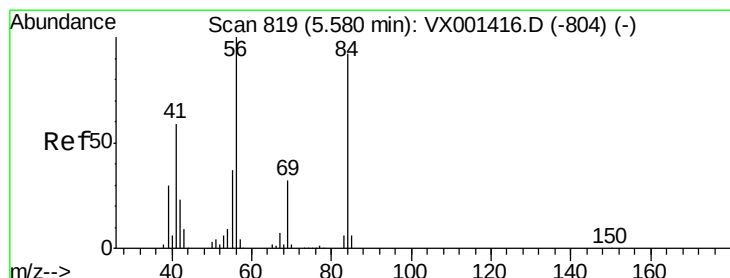
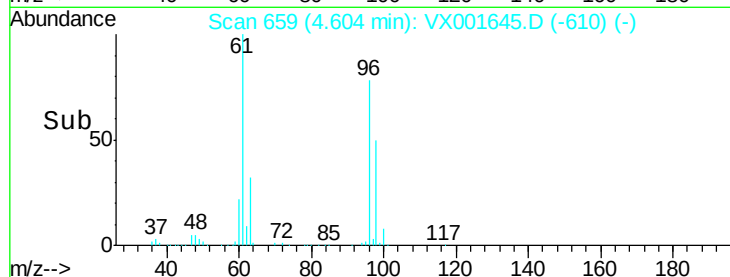
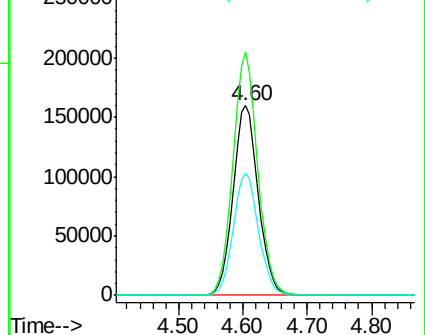
98 64.7 0.0 131.6



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



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

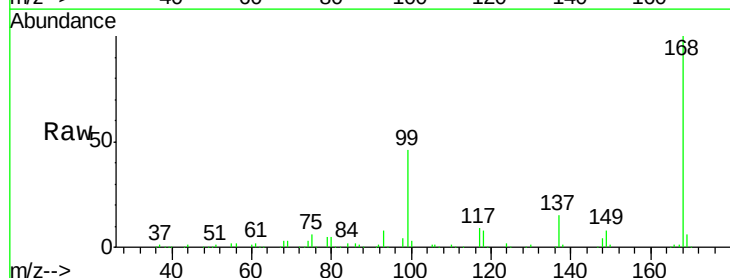
Tgt Ion: 56 Resp: 4398

Ion Ratio Lower Upper

56 100

69 157.3 25.4 38.0#

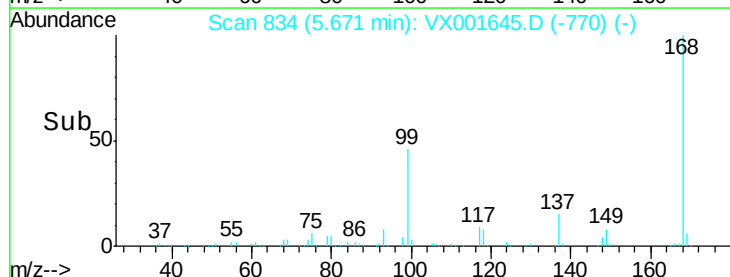
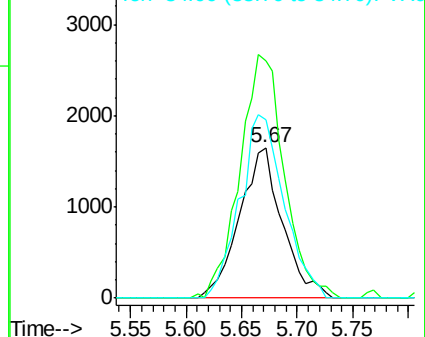
84 118.3 73.8 110.8#

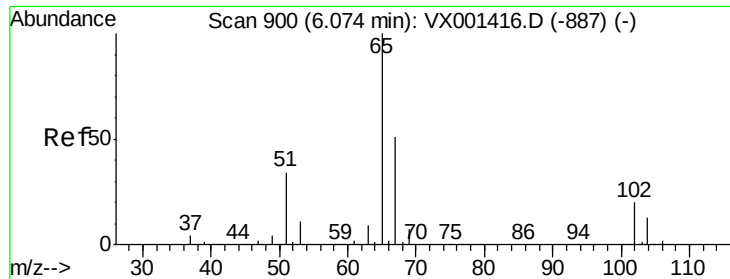


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

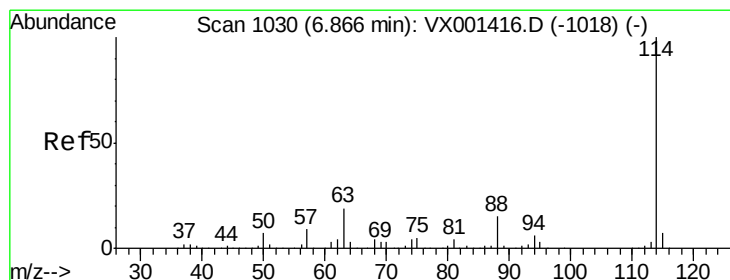
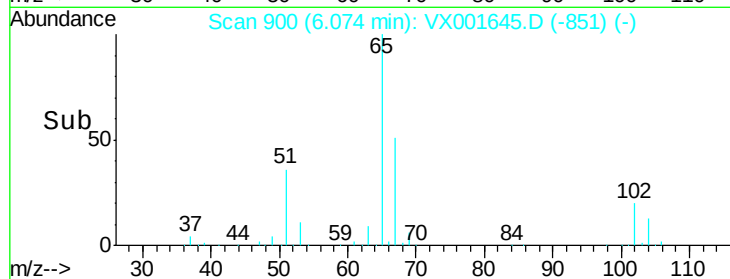
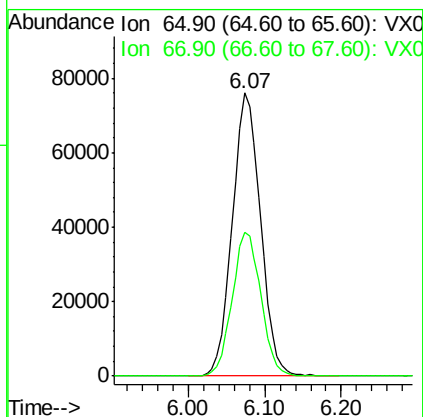
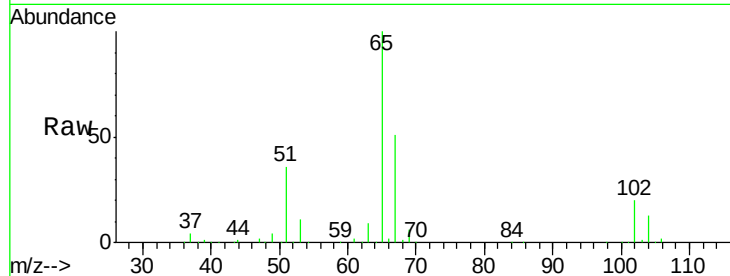




#33
 1,2-Dichloroethane-d4
 Concen: 54.39 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001645.D
 Acq: 11 May 2018 17:54

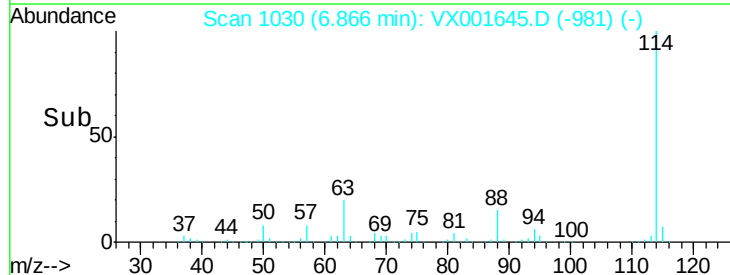
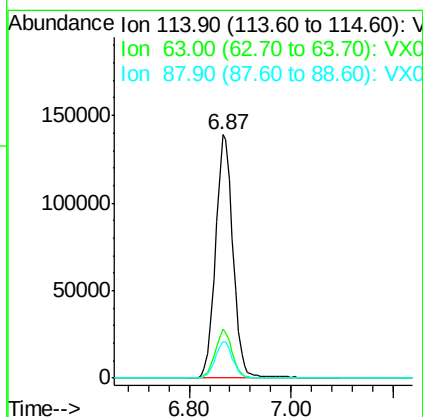
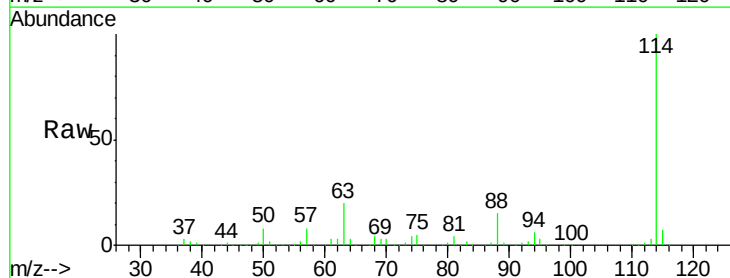
Instrument :
 MSVOA_X
 ClientSampleId :
 M-19-180501

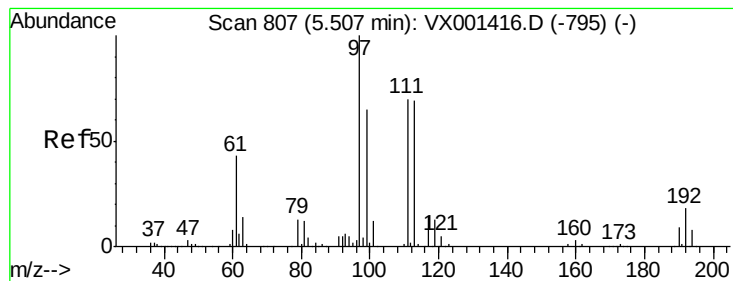
Tgt Ion: 65 Resp: 194115
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001645.D
 Acq: 11 May 2018 17:54

Tgt Ion: 114 Resp: 332187
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501

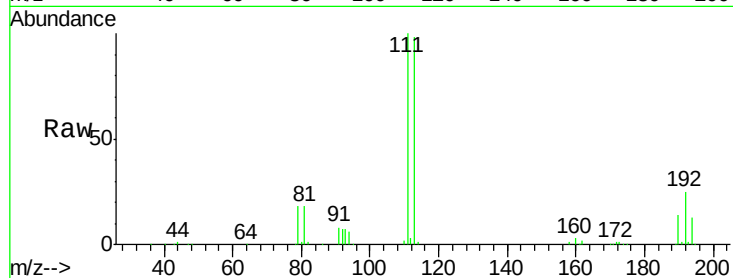
Tgt Ion:113 Resp: 154957

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

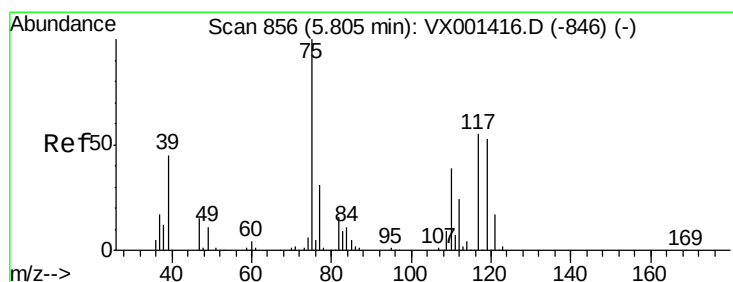
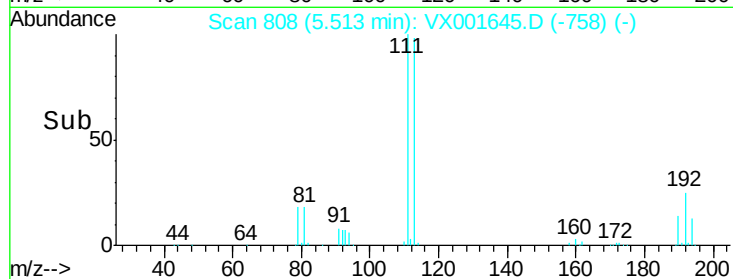
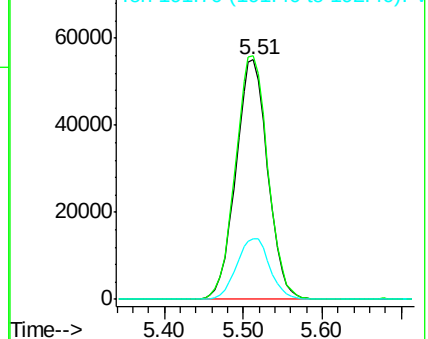
192 26.4 21.4 32.0



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: 3.70 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

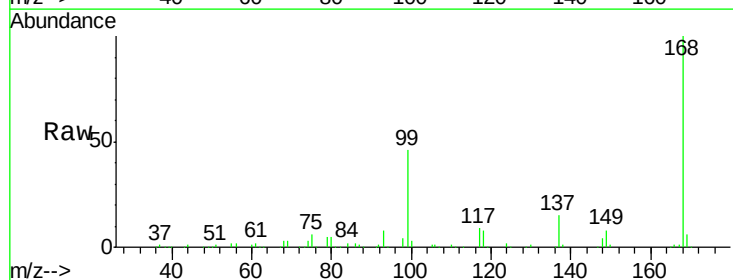
Tgt Ion: 75 Resp: 15617

Ion Ratio Lower Upper

75 100

110 10.0 18.9 56.7#

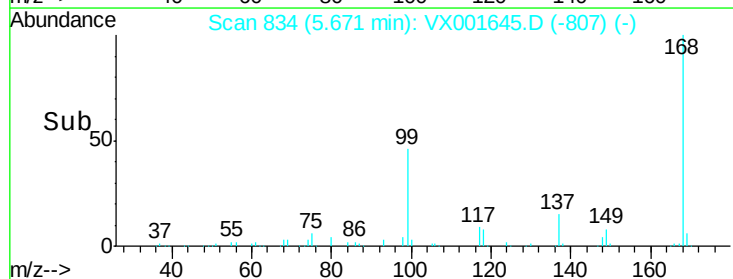
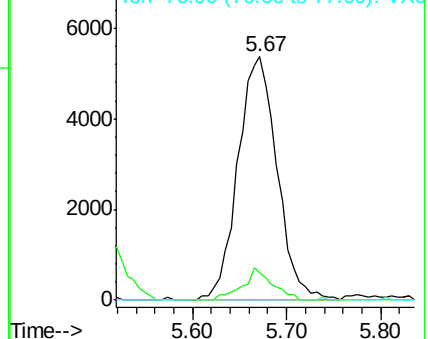
77 0.0 24.9 37.3#

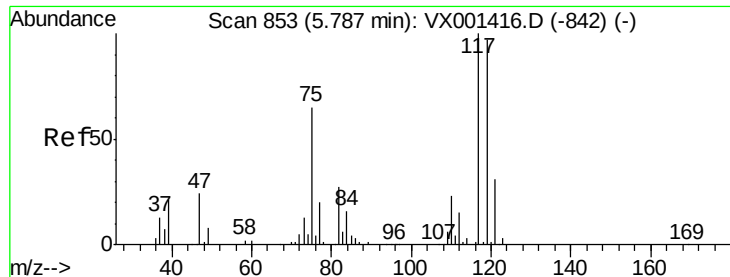


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.81 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

M-19-180501

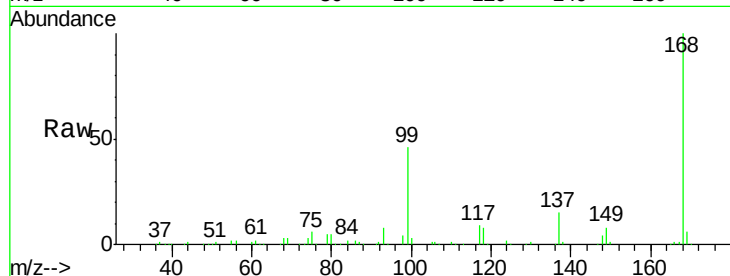
Tgt Ion:117 Resp: 21675

Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.6#

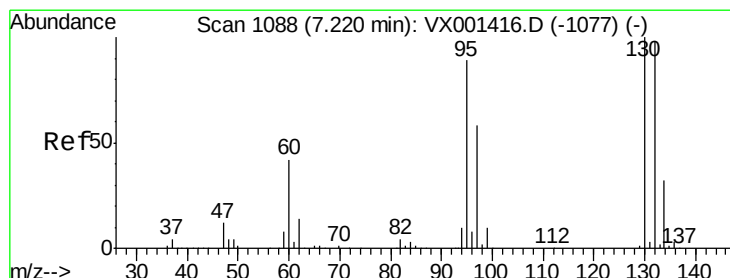
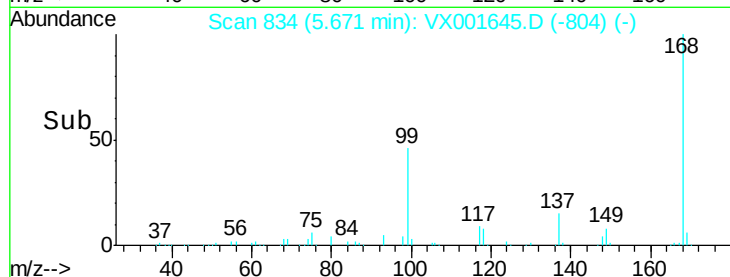
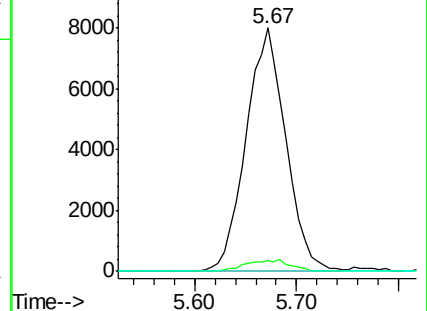
121 0.0 25.1 37.7#



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: 18.68 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001645.D

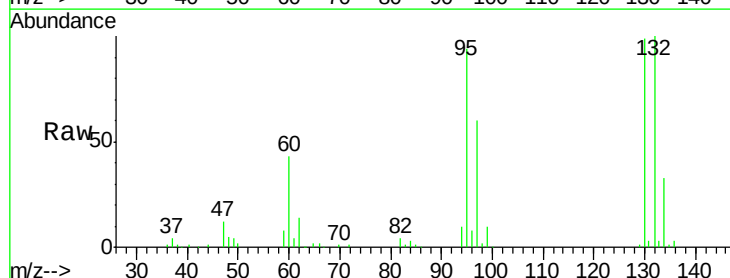
Acq: 11 May 2018 17:54

Tgt Ion:130 Resp: 70472

Ion Ratio Lower Upper

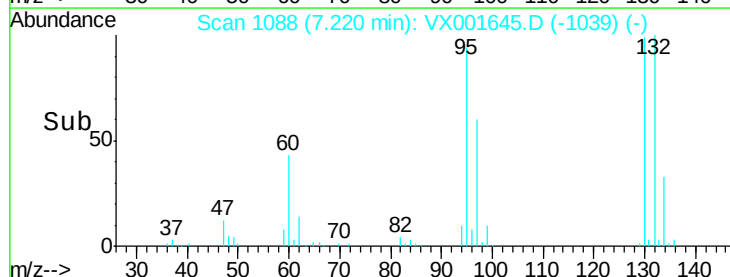
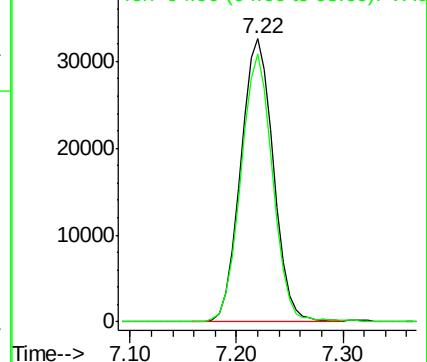
130 100

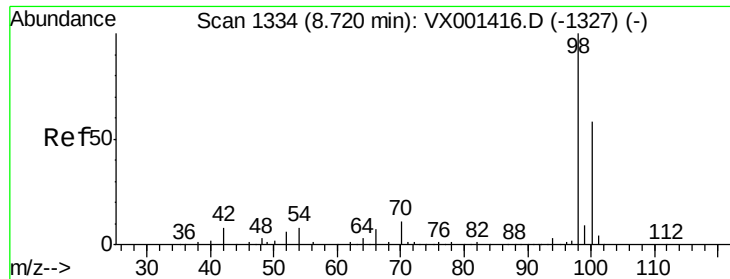
95 94.8 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

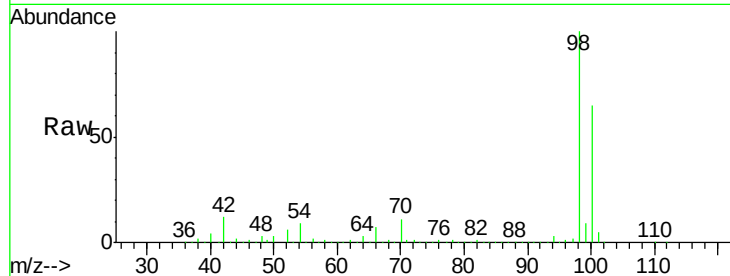
M-19-180501

Tgt Ion: 98 Resp: 541435

Ion Ratio Lower Upper

98 100

100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

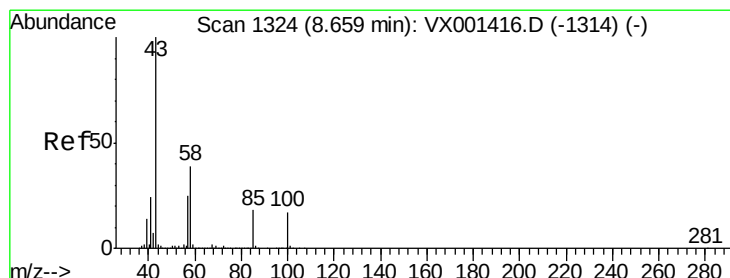
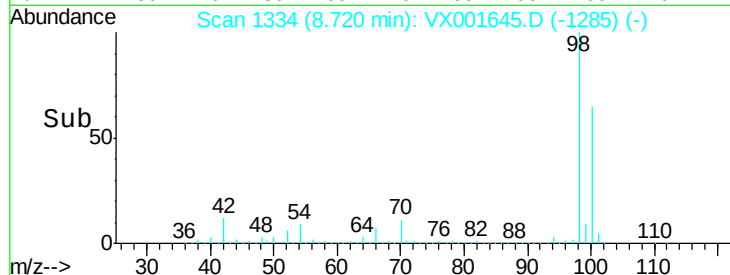
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001645.D

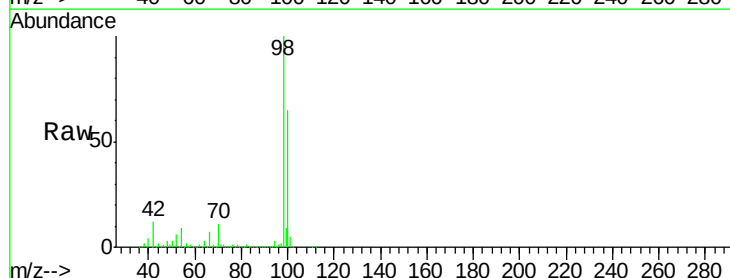
Acq: 11 May 2018 17:54

Tgt Ion: 43 Resp: 2626

Ion Ratio Lower Upper

43 100

58 167.1 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

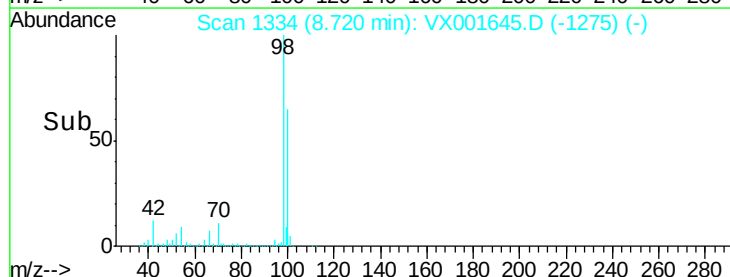
3000

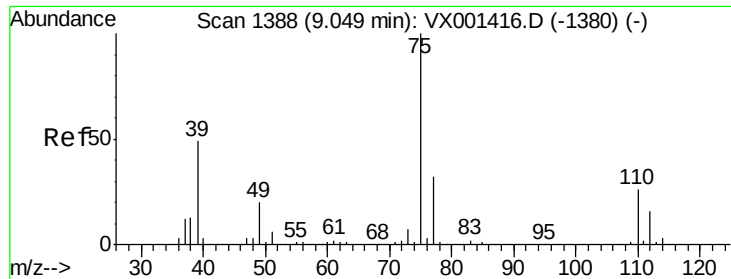
2000

1000

0

Time--> 8.60 8.65 8.70 8.75 8.80

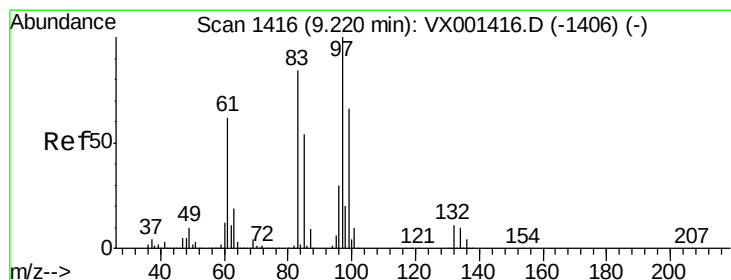
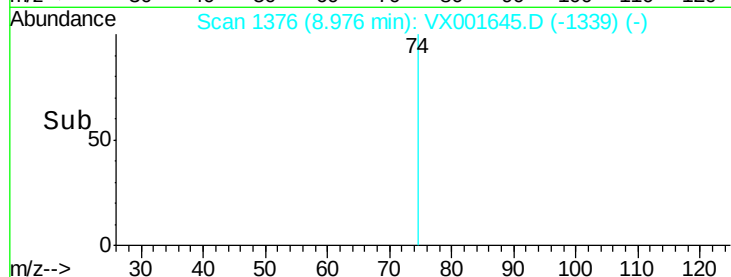
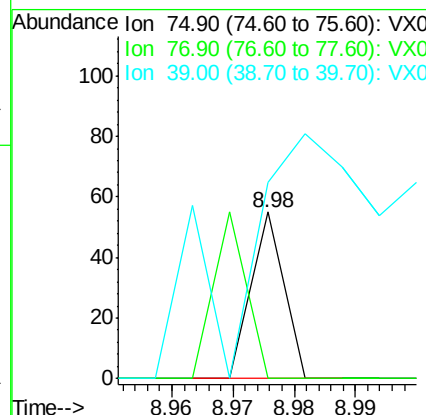
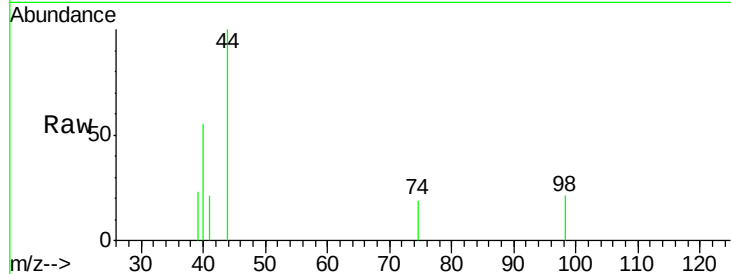




#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 8.98 min Scan# 1376
 Delta R.T. -0.07 min
 Lab File: VX001645.D
 Acq: 11 May 2018 17:54

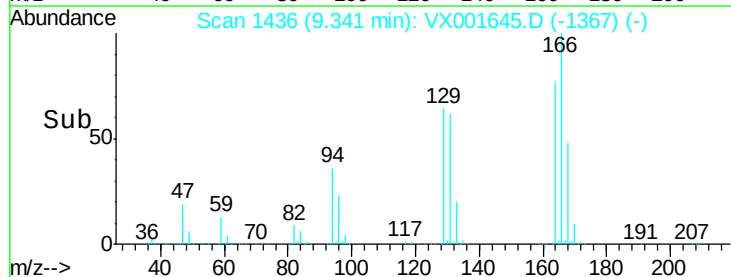
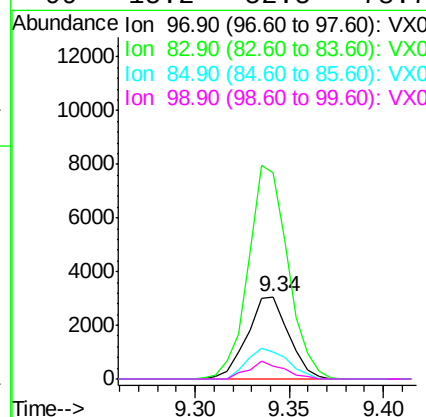
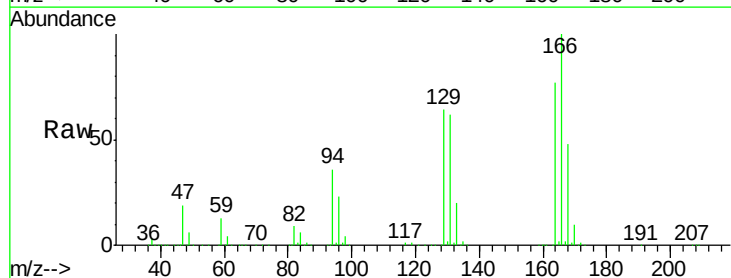
Instrument :
 MSVOA_X
 ClientSampled :
 M-19-180501

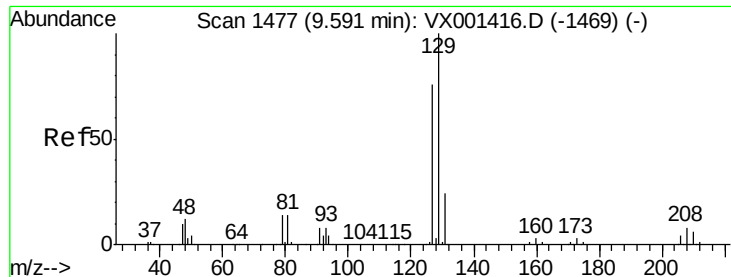
Tgt Ion: 75 Resp: 20
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 14.5 38.9 58.3#



#55
 1,1,2-Trichloroethane
 Concen: 1.43 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: VX001645.D
 Acq: 11 May 2018 17:54

Tgt Ion: 97 Resp: 4649
 Ion Ratio Lower Upper
 97 100
 83 249.6 67.4 101.0#
 85 32.8 43.3 64.9#
 99 15.2 52.5 78.7#





#60

Dibromochloromethane

Concen: 155.88 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

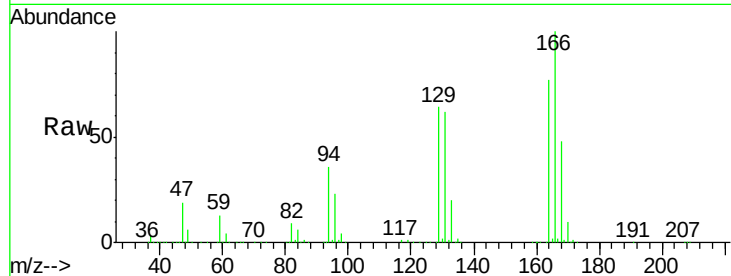
M-19-180501

Tgt Ion:129 Resp: 518992

Ion Ratio Lower Upper

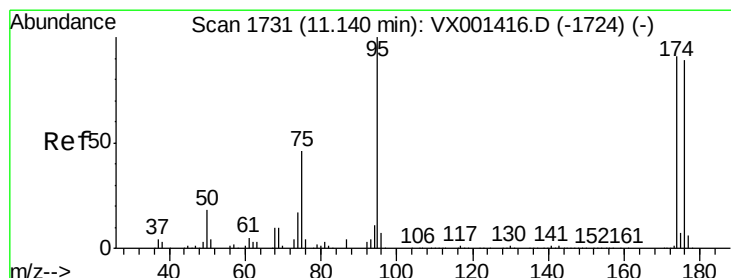
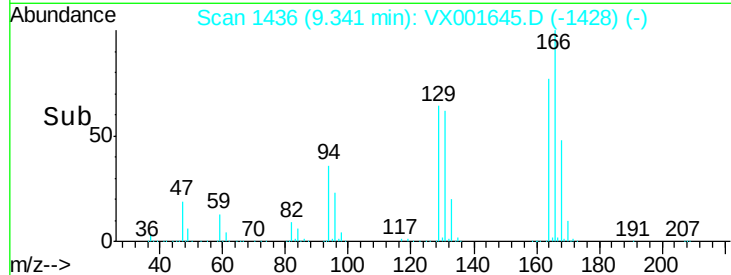
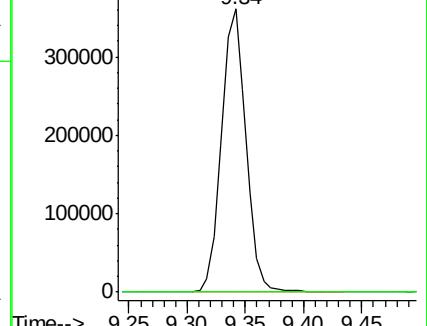
129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 41.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

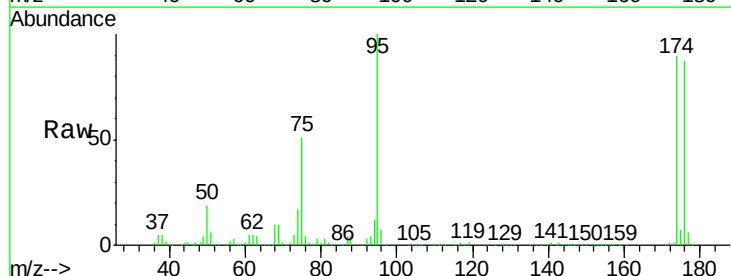
Tgt Ion: 95 Resp: 173462

Ion Ratio Lower Upper

95 100

174 100.6 0.0 202.0

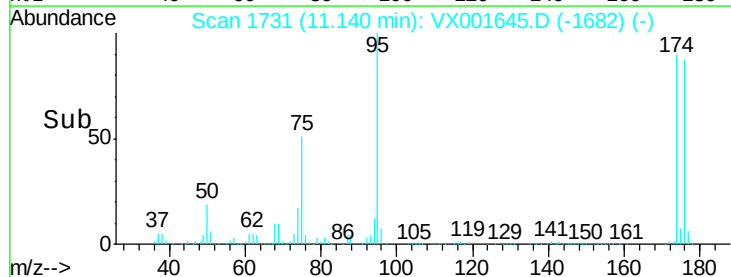
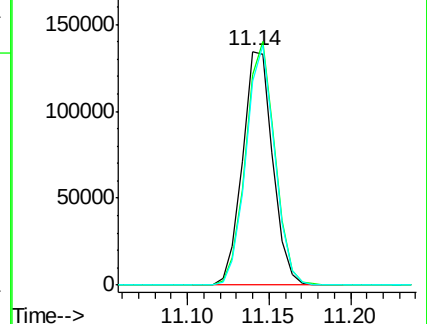
176 98.0 0.0 197.4

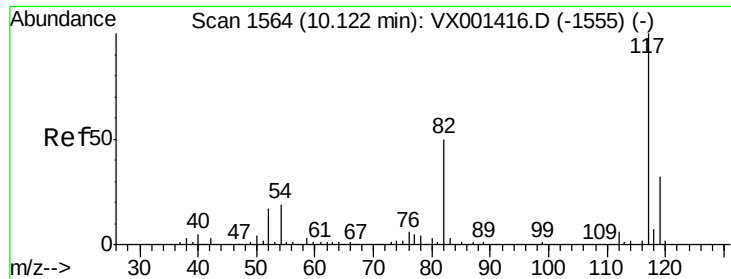


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

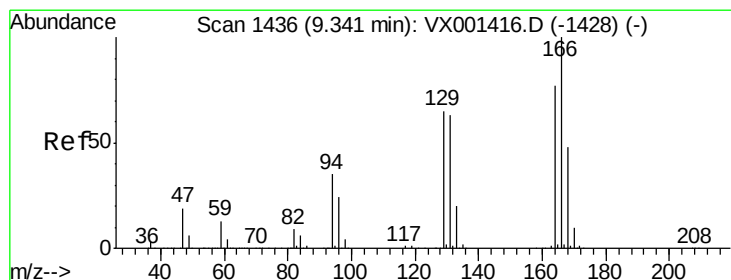
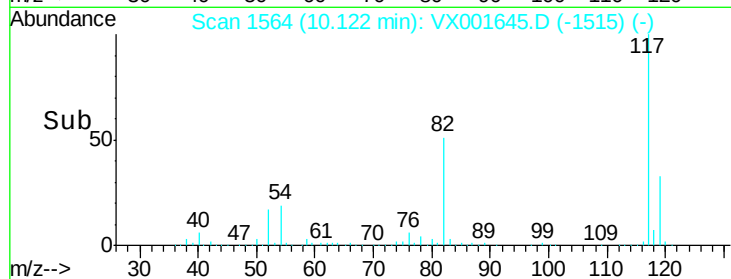
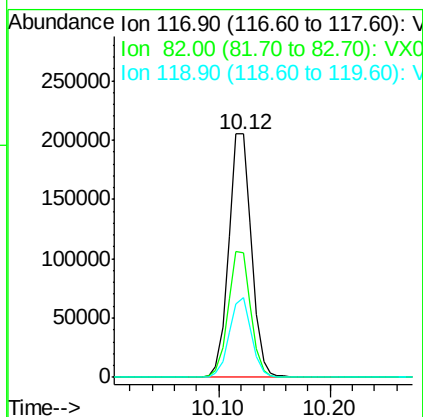
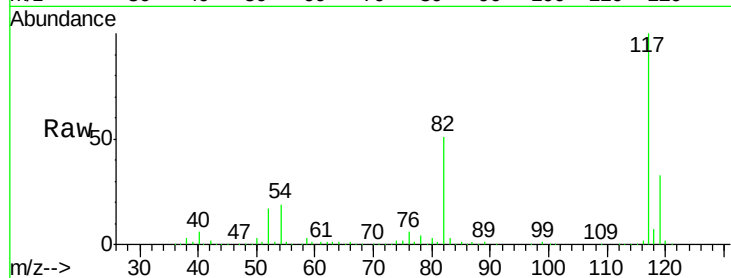




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001645.D
Acq: 11 May 2018 17:54

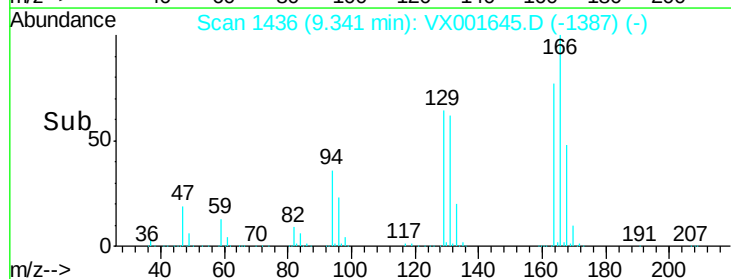
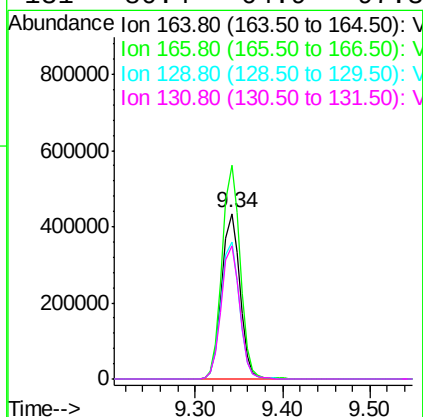
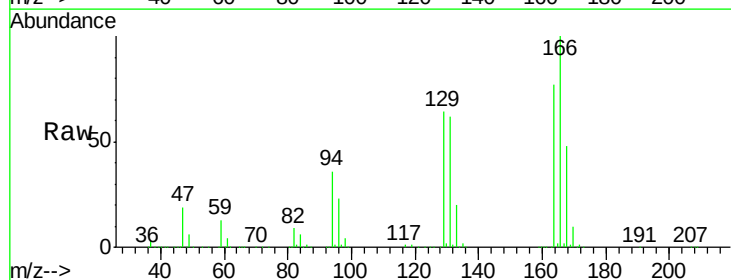
Instrument :
MSVOA_X
ClientSampled :
M-19-180501

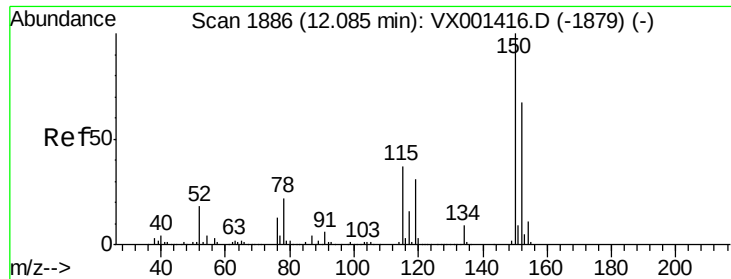
Tgt Ion:117 Resp: 288756
Ion Ratio Lower Upper
117 100
82 51.2 40.0 60.0
119 32.7 25.8 38.8



#64
Tetrachloroethene
Concen: 155.47 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001645.D
Acq: 11 May 2018 17:54

Tgt Ion:164 Resp: 625740
Ion Ratio Lower Upper
164 100
166 129.3 103.5 155.3
129 83.2 66.7 100.1
131 80.4 64.9 97.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

M-19-180501

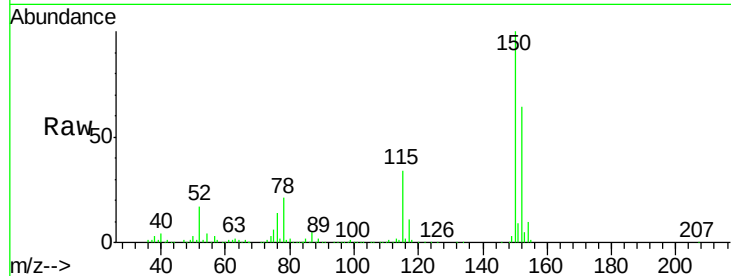
Tgt Ion:152 Resp: 148644

Ion Ratio Lower Upper

152 100

115 52.6 37.7 113.1

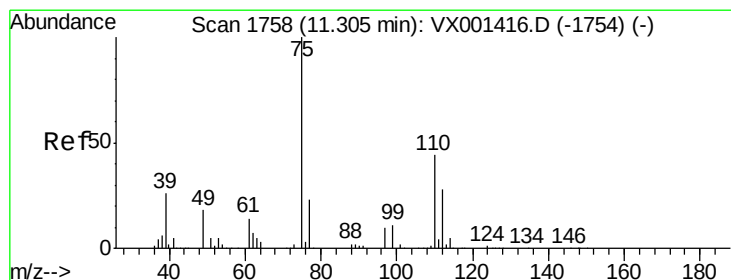
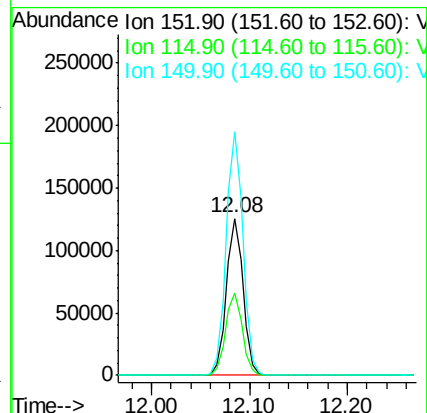
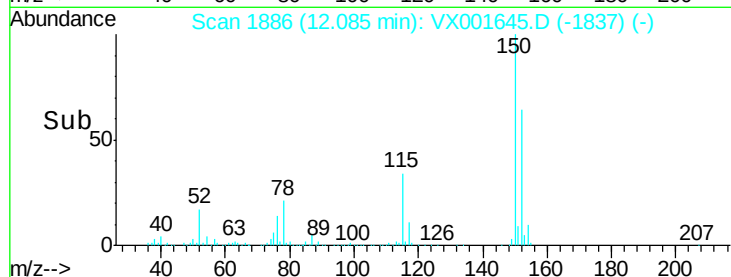
150 156.0 0.0 349.4



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: 28.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001645.D

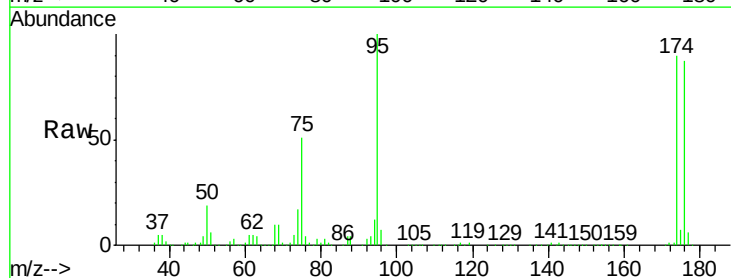
Acq: 11 May 2018 17:54

Tgt Ion: 75 Resp: 86773

Ion Ratio Lower Upper

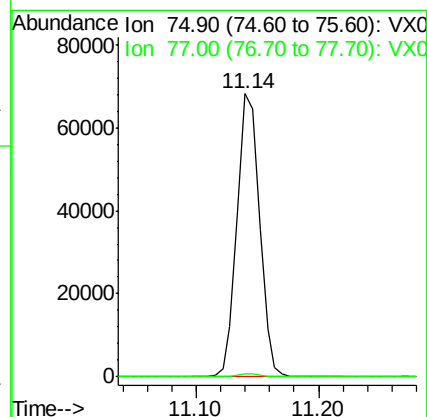
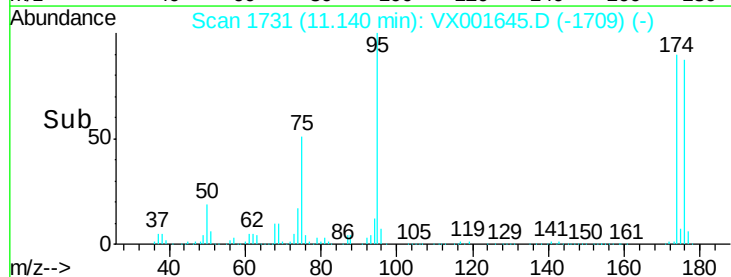
75 100

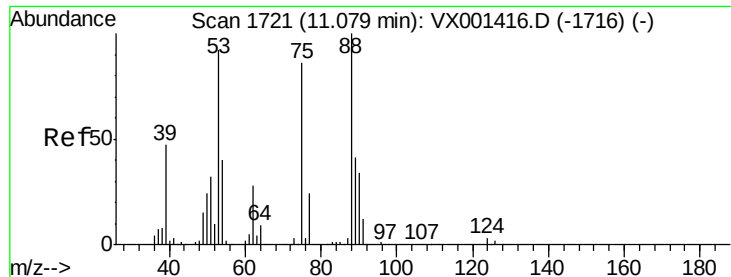
77 1.2 19.6 58.7#



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: 88.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001645.D

Acq: 11 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501

Tgt Ion: 75 Resp: 86773

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#

