

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051718\
 Data File : VX001799.D
 Acq On : 17 May 2018 19:07
 Operator : JC/MD
 Sample : J2853-07DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW311-180508DL

Quant Time: May 18 04:00:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	270865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155743	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	
35) Dibromofluoromethane	5.51	113	132452	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
50) Toluene-d8	8.72	98	451451	43.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.22%	
62) 4-Bromofluorobenzene	11.15	95	129305	34.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.38%	

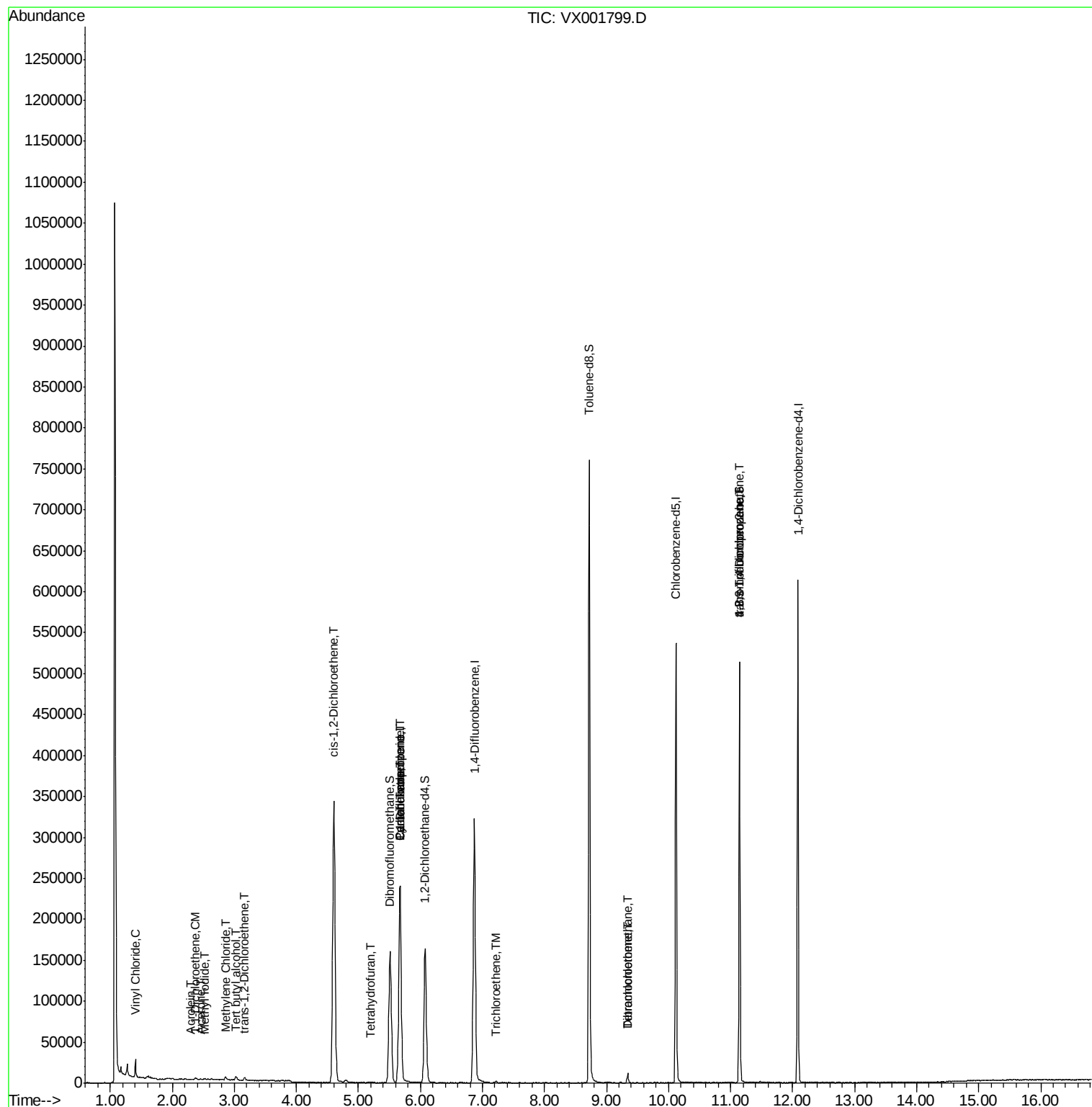
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	13629	4.45	ug/l	99
5) Bromomethane	1.64	94	1445	Below Cal	#	79
10) Methyl Iodide	2.51	142	1129	0.46	ug/l	98
11) Tert butyl alcohol	3.03	59	2445	3.93	ug/l	# 75
12) 1,1-Dichloroethene	2.38	96	644	0.25	ug/l	# 42
13) Acrolein	2.29	56	115	0.26	ug/l	# 15
16) Acetone	2.45	43	855	0.62	ug/l	# 85
20) Methylene Chloride	2.87	84	1431	0.49	ug/l	# 87
21) trans-1,2-Dichloroethene	3.17	96	1478	0.52	ug/l	89
27) cis-1,2-Dichloroethene	4.60	96	228762	70.60	ug/l	90
29) Tetrahydrofuran	5.20	42	762	0.55	ug/l	# 55
31) Cyclohexane	5.67	56	4004	0.91	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	15154	3.84	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	21792	5.28	ug/l	# 17
44) Trichloroethene	7.22	130	760	0.21	ug/l	78
60) Dibromochloromethane	9.34	129	2193	0.75	ug/l	# 11
64) Tetrachloroethene	9.34	164	2574	0.73	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	60698	23.90	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	60698	69.82	ug/l	# 10

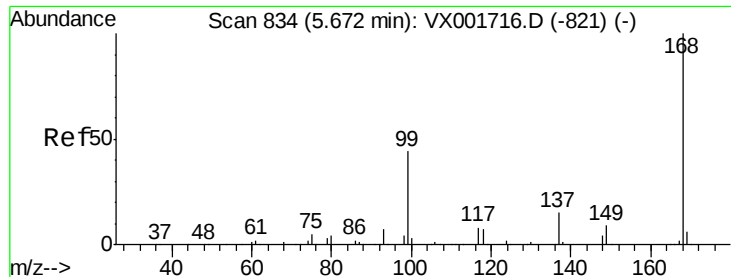
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 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: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

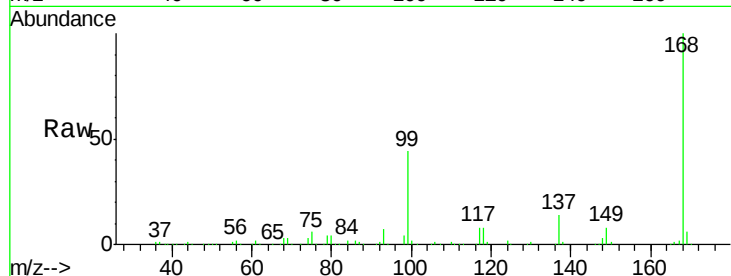
SS037MW311-180508DL

Tgt Ion: 168 Resp: 261510

Ion Ratio Lower Upper

168 100

99 43.9 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

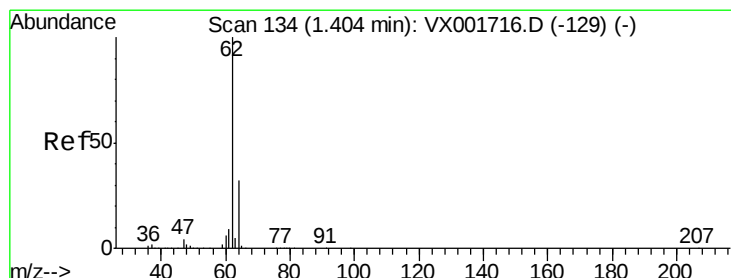
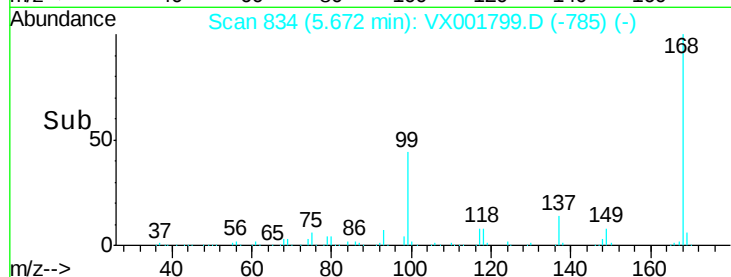
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 4.45 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001799.D

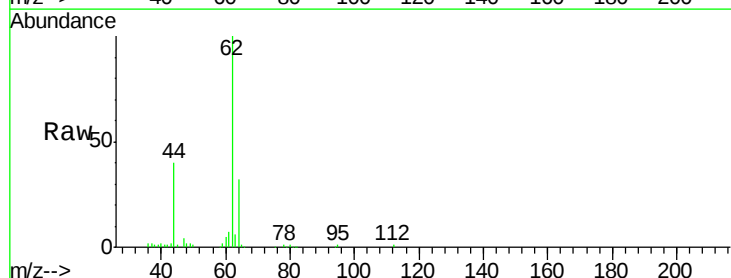
Acq: 17 May 2018 19:07

Tgt Ion: 62 Resp: 13629

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

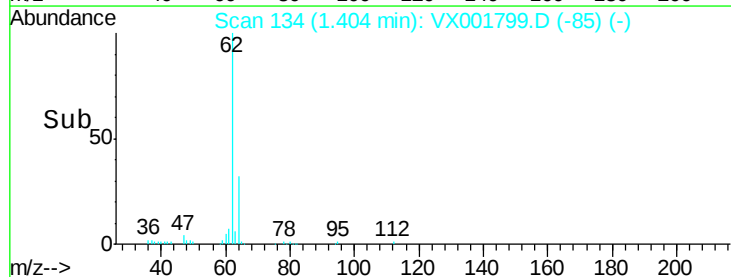
15000

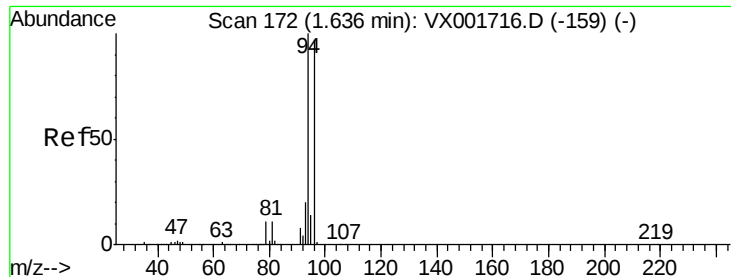
10000

5000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

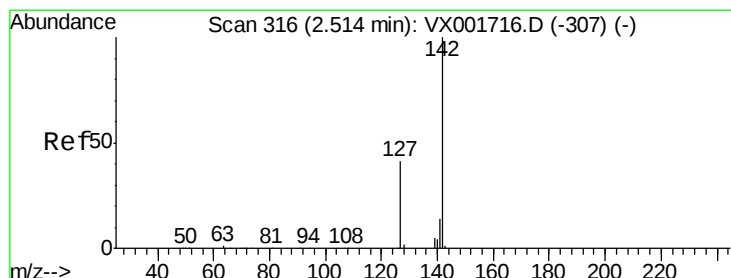
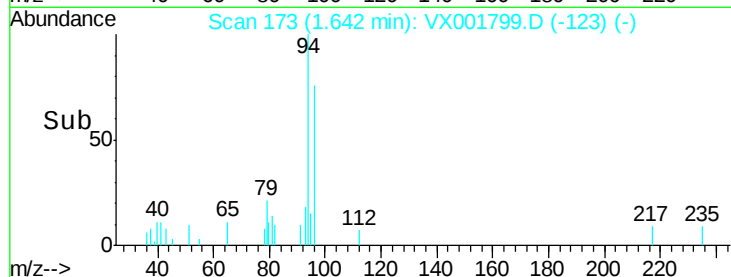
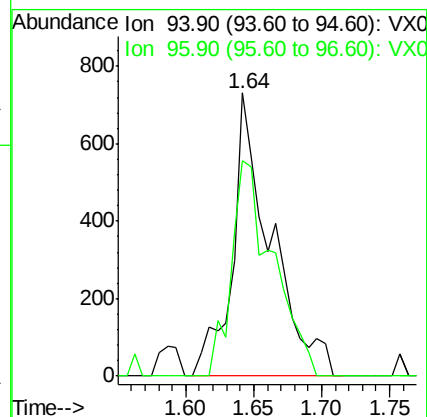
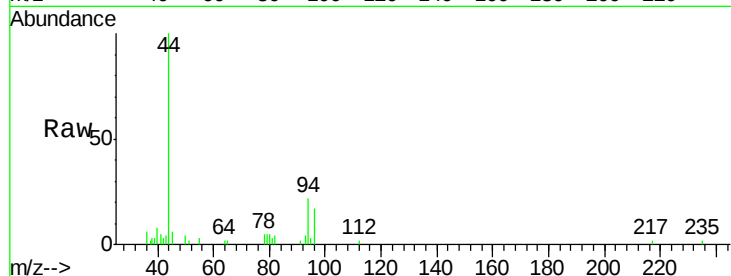
SS037MW311-180508DL

Tgt Ion: 94 Resp: 1445

Ion Ratio Lower Upper

94 100

96 75.9 77.4 116.0#



#10

Methyl Iodide

Concen: 0.46 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

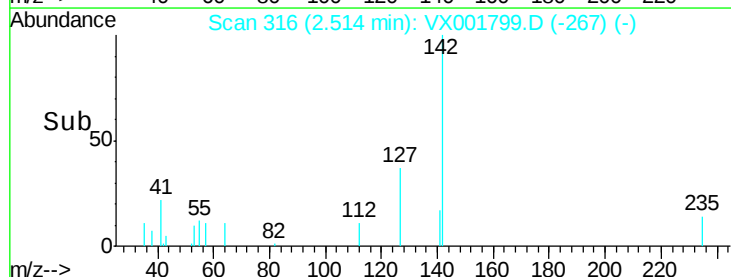
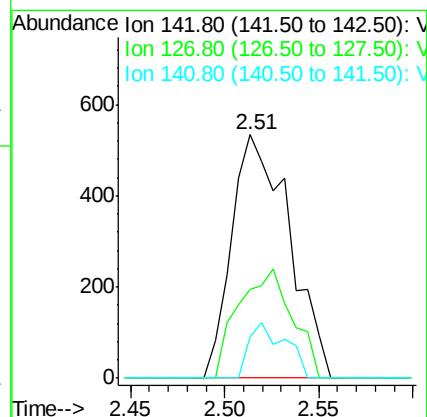
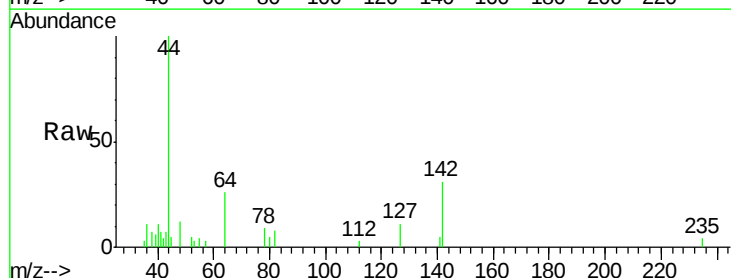
Tgt Ion: 142 Resp: 1129

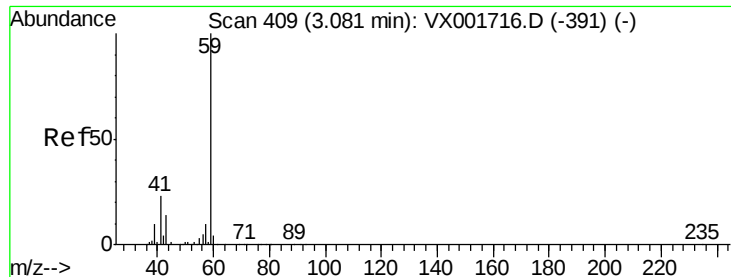
Ion Ratio Lower Upper

142 100

127 42.1 32.5 48.7

141 14.3 11.4 17.0

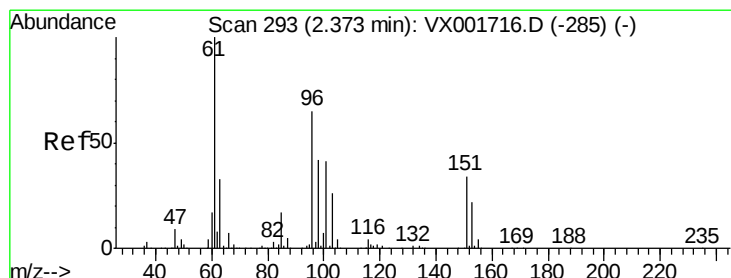
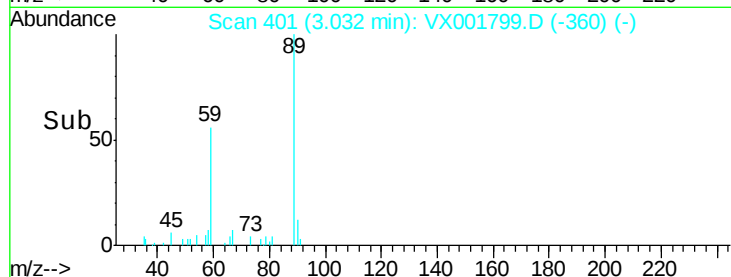
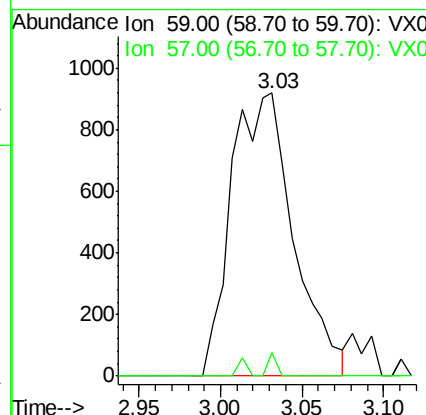
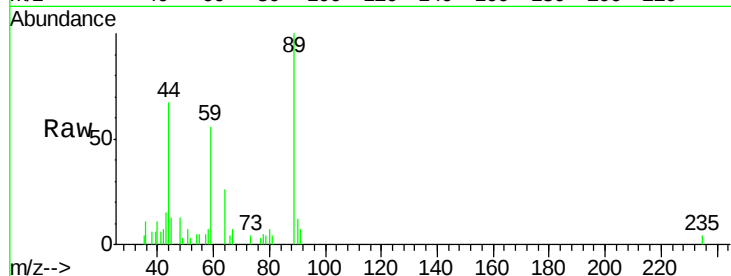




#11
Tert butyl alcohol
Concen: 3.93 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001799.D
Acq: 17 May 2018 19:07

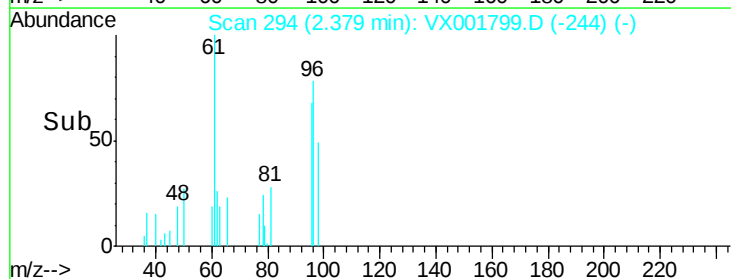
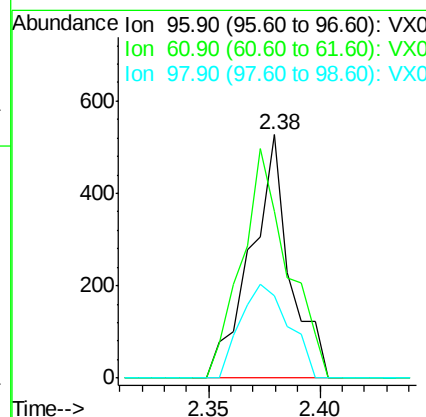
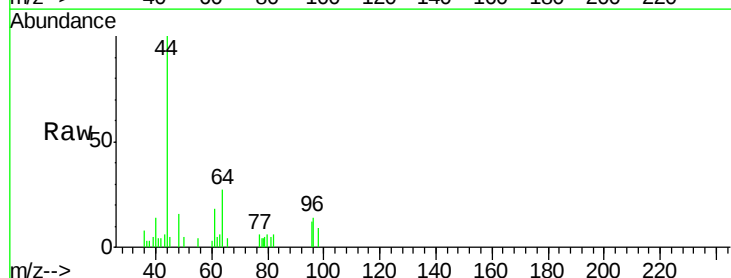
Instrument :
MSVOA_X
ClientSampleId :
SS037MW311-180508DL

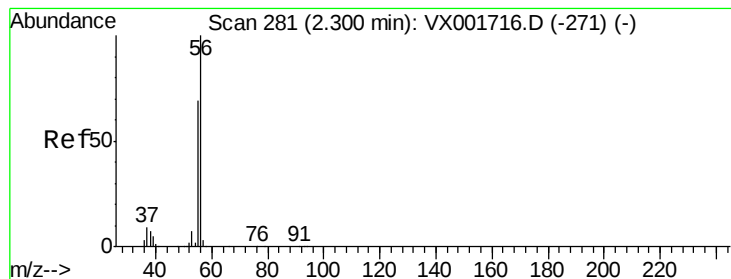
Tgt Ion: 59 Resp: 2445
Ion Ratio Lower Upper
59 100
57 1.1 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.25 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX001799.D
Acq: 17 May 2018 19:07

Tgt Ion: 96 Resp: 644
Ion Ratio Lower Upper
96 100
61 68.5 122.2 183.2#
98 33.8 51.4 77.0#





#13

Acrolein

Concen: 0.26 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

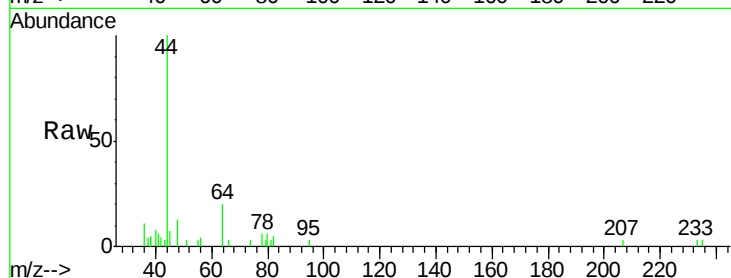
SS037MW311-180508DL

Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

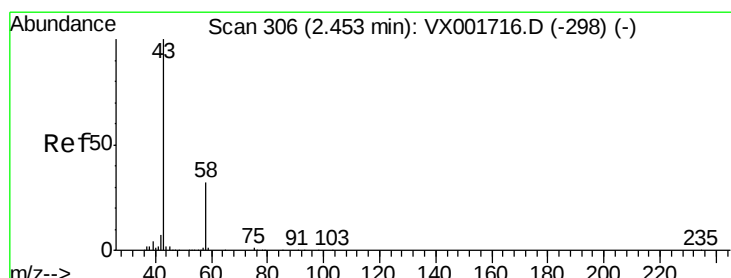
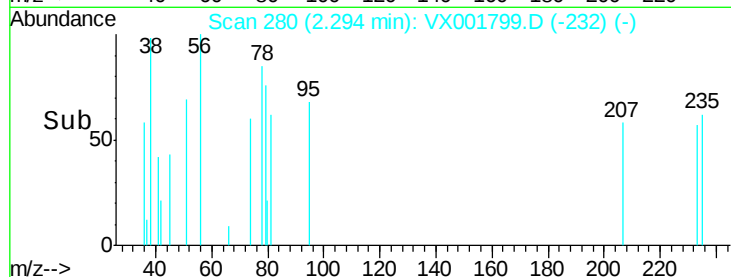
100

50

0

2.26 2.28 2.30 2.32

Time-->



#16

Acetone

Concen: 0.62 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001799.D

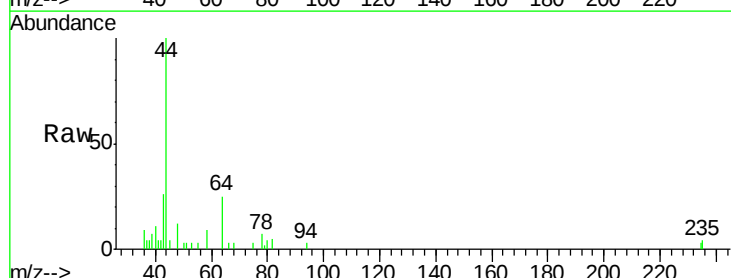
Acq: 17 May 2018 19:07

Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

58 40.1 25.3 37.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600

500

400

300

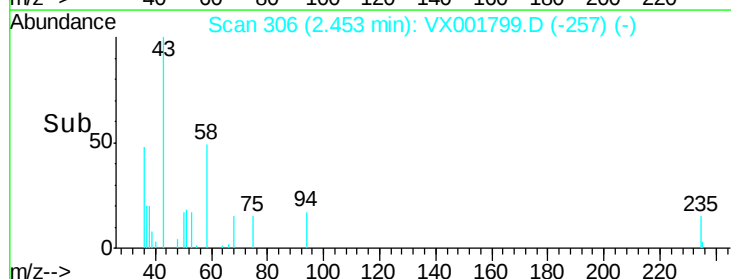
200

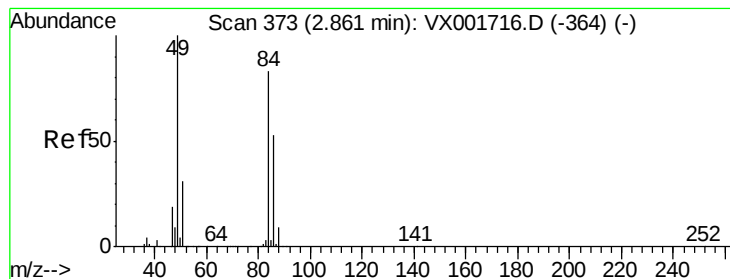
100

0

2.40 2.45 2.50

Time-->





#20

Methylene Chloride

Concen: 0.49 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

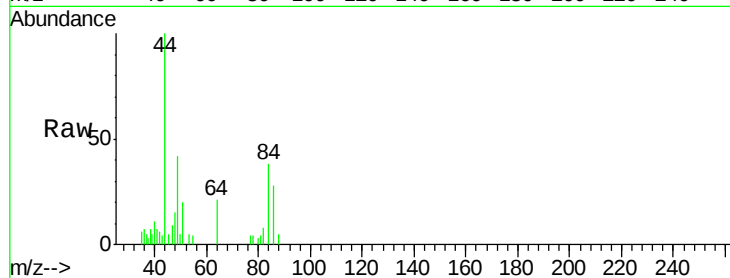
Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-180508DL

Tgt Ion:	84	Resp:	1431
Ion	Ratio	Lower	Upper
84	100		
49	110.4	96.3	144.5
51	52.3	29.8	44.6#
86	73.2	51.0	76.6

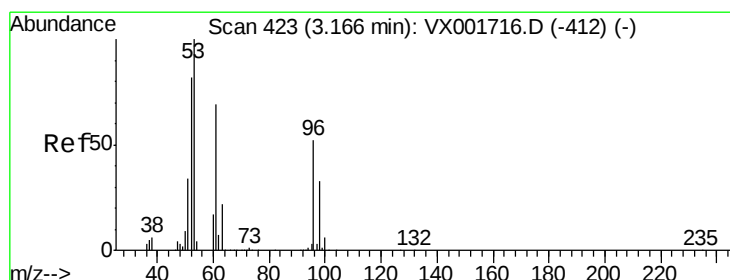
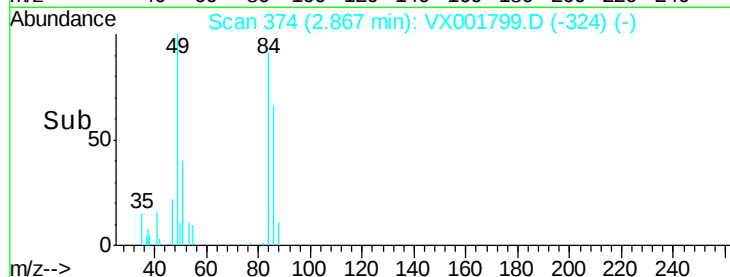
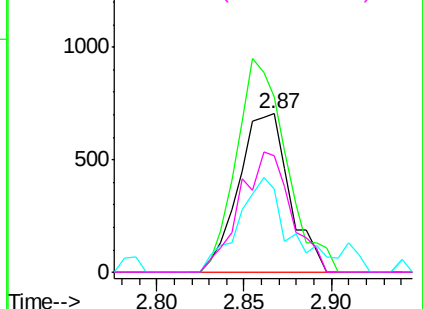


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.52 ug/l

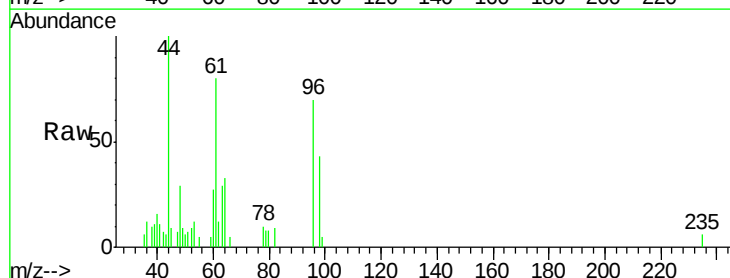
RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

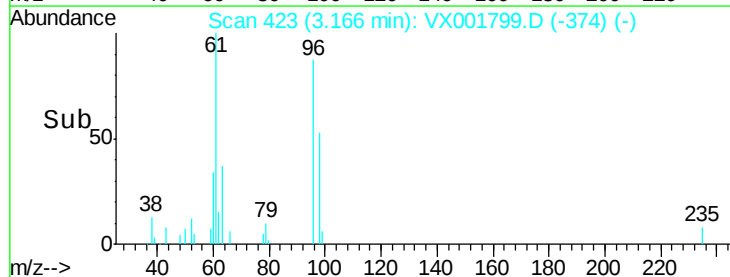
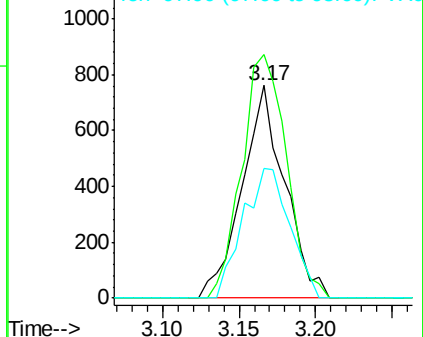
Tgt Ion:	96	Resp:	1478
Ion	Ratio	Lower	Upper
96	100		
61	114.4	105.8	158.8
98	60.9	50.2	75.4

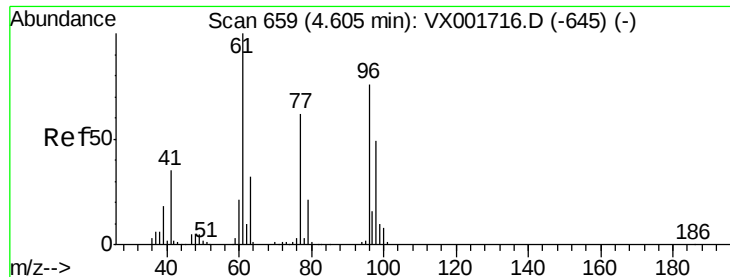


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

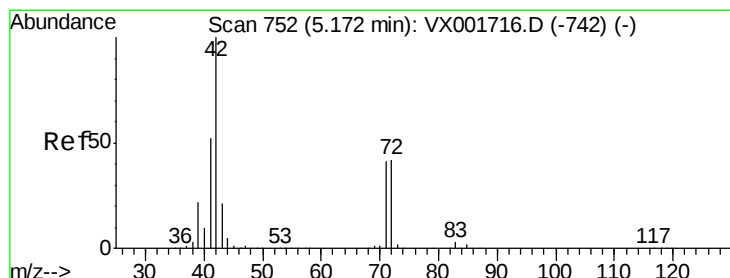
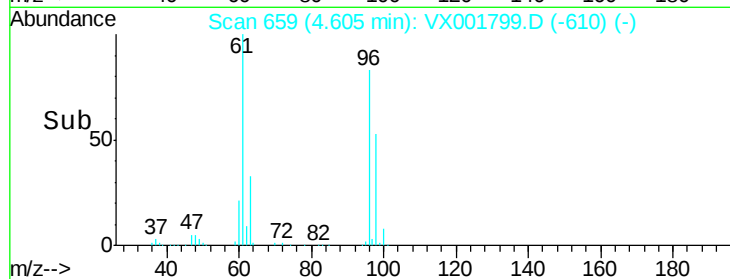
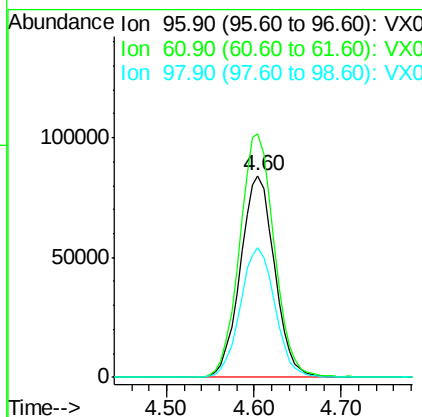
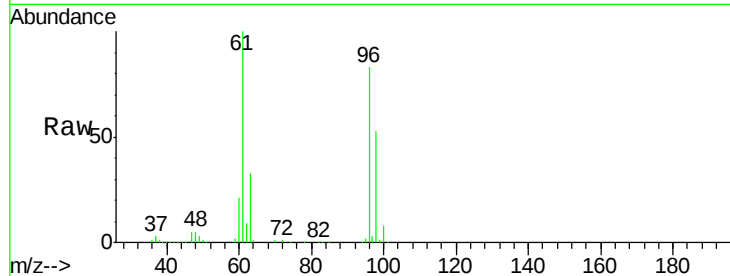




#27
 cis-1,2-Dichloroethene
 Concen: 70.60 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001799.D
 Acq: 17 May 2018 19:07

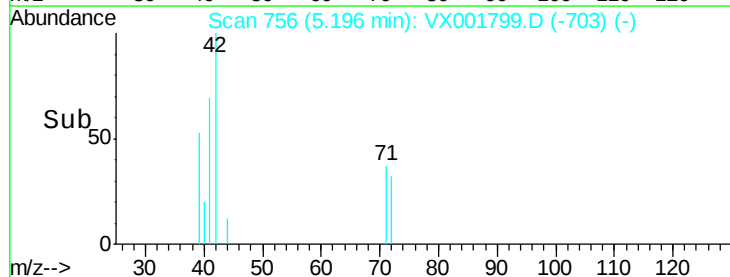
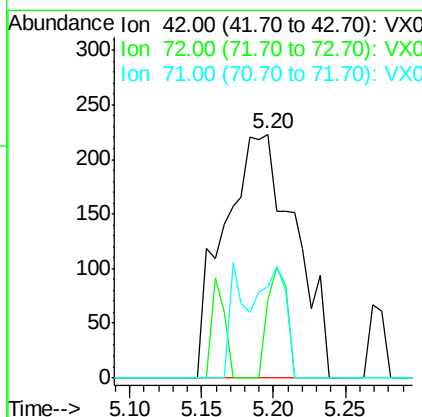
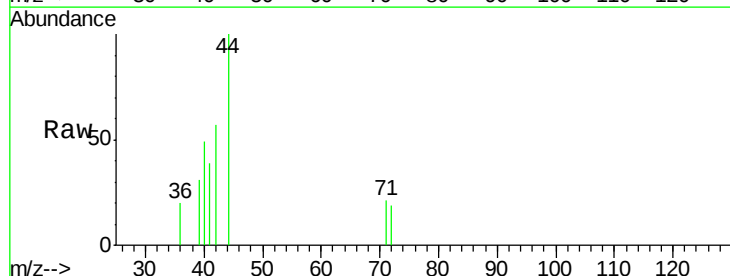
Instrument :
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 SS037MW311-180508DL

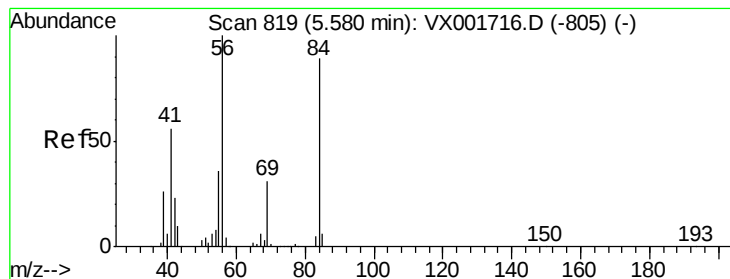
Tgt Ion: 96 Resp: 228762
 Ion Ratio Lower Upper
 96 100
 61 122.8 0.0 280.4
 98 65.2 0.0 128.4



#29
 Tetrahydrofuran
 Concen: 0.55 ug/l
 RT: 5.20 min Scan# 756
 Delta R.T. 0.02 min
 Lab File: VX001799.D
 Acq: 17 May 2018 19:07

Tgt Ion: 42 Resp: 762
 Ion Ratio Lower Upper
 42 100
 72 12.3 35.4 53.2#
 71 16.5 33.2 49.8#





#31

Cyclohexane

Concen: 0.91 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-180508DL

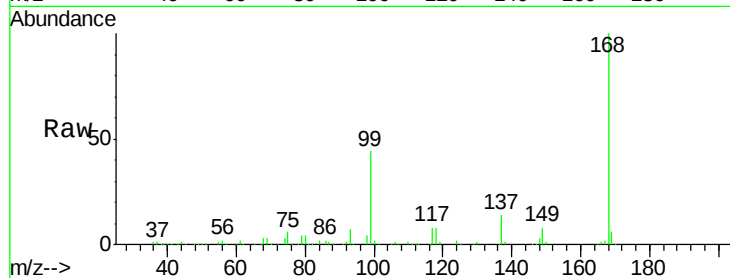
Tgt Ion: 56 Resp: 4004

Ion Ratio Lower Upper

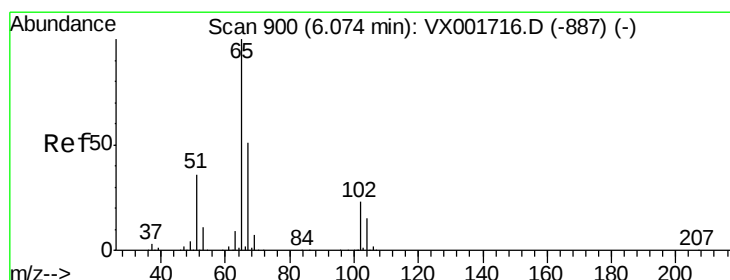
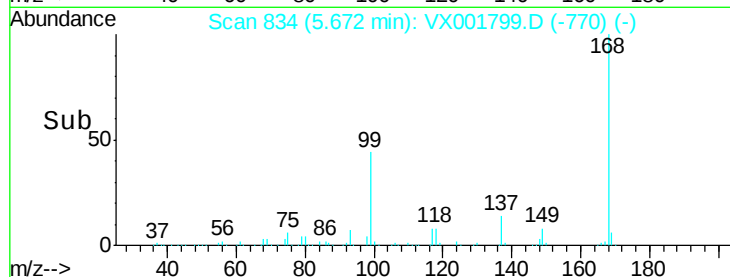
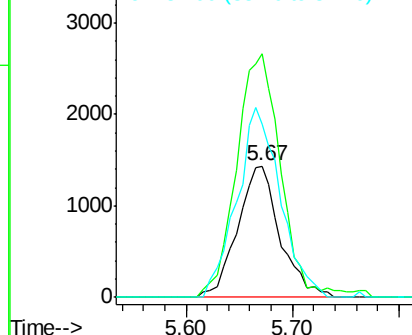
56 100

69 185.9 25.0 37.6#

84 132.7 71.0 106.4#



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: 44.43 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001799.D

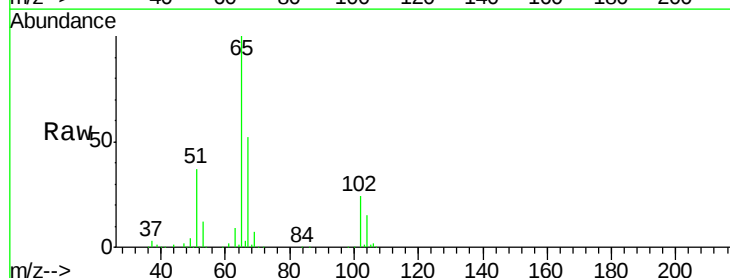
Acq: 17 May 2018 19:07

Tgt Ion: 65 Resp: 155743

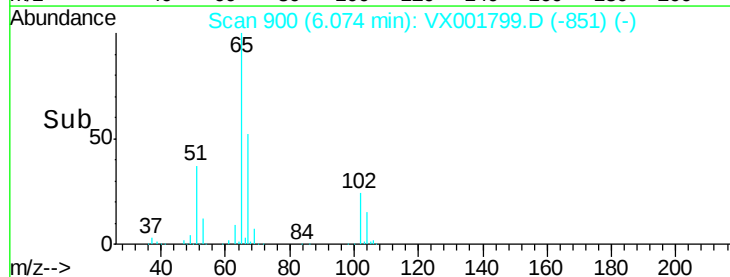
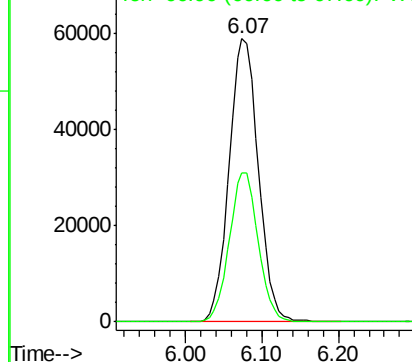
Ion Ratio Lower Upper

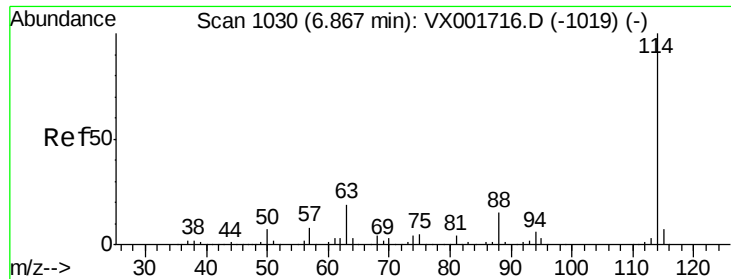
65 100

67 52.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

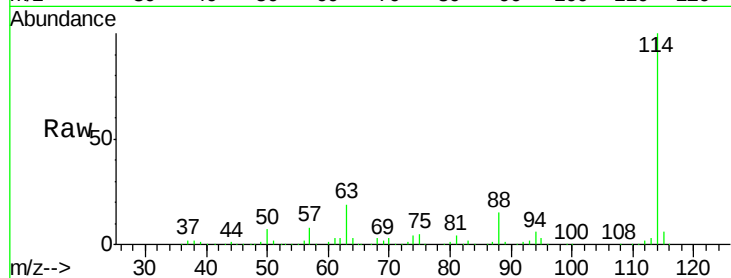




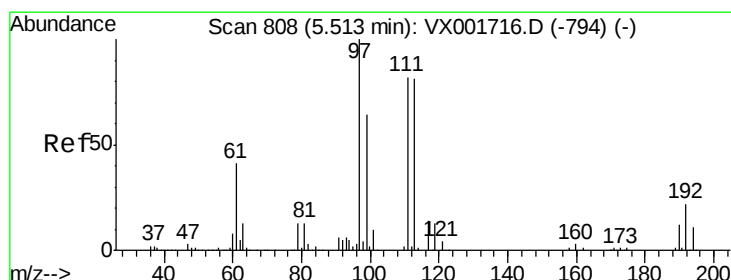
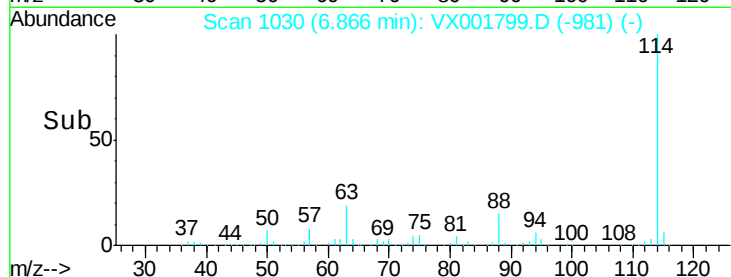
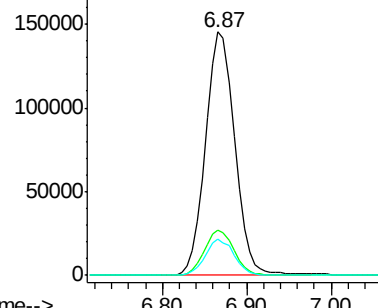
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001799.D
 Acq: 17 May 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW311-180508DL

Tgt Ion:114 Resp: 342510
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 14.7 0.0 29.8

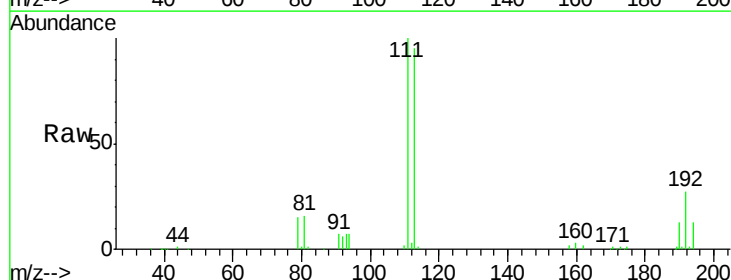


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

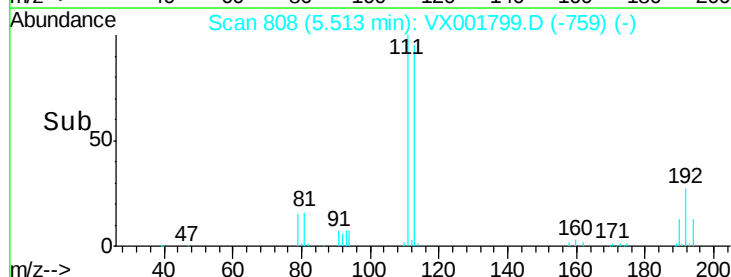
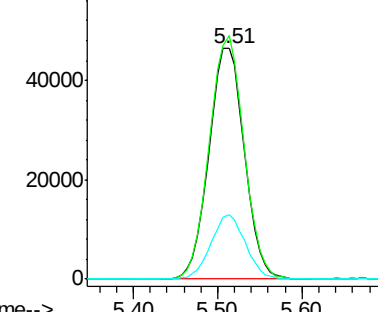


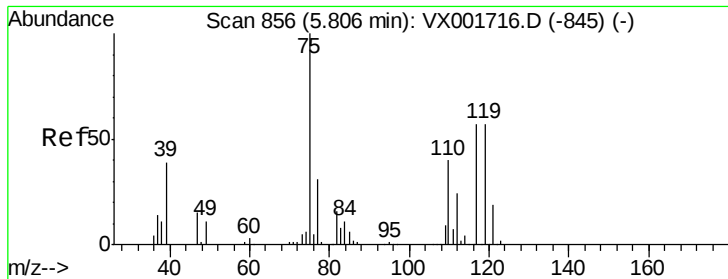
#35
 Dibromofluoromethane
 Concen: 45.82 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001799.D
 Acq: 17 May 2018 19:07

Tgt Ion:113 Resp: 132452
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 27.1 21.6 32.4



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: 3.84 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-180508DL

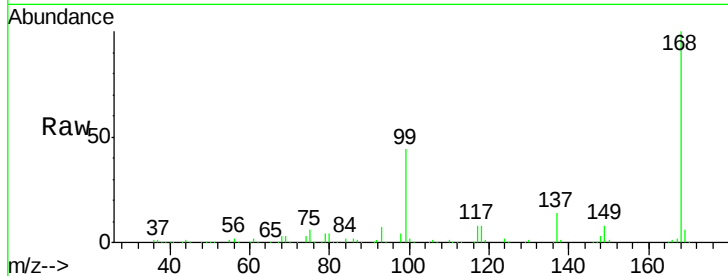
Tgt Ion: 75 Resp: 15154

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

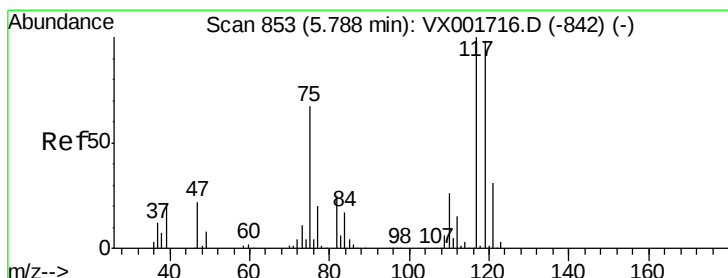
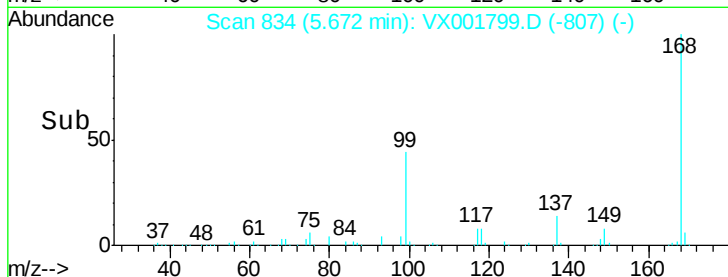
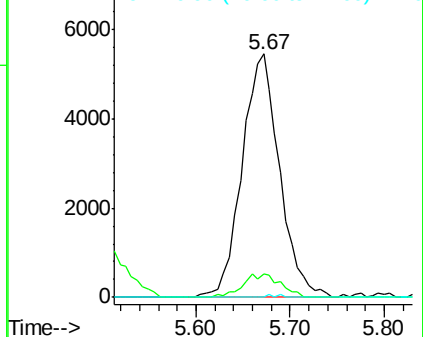
77 0.3 24.6 37.0#



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: 5.28 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

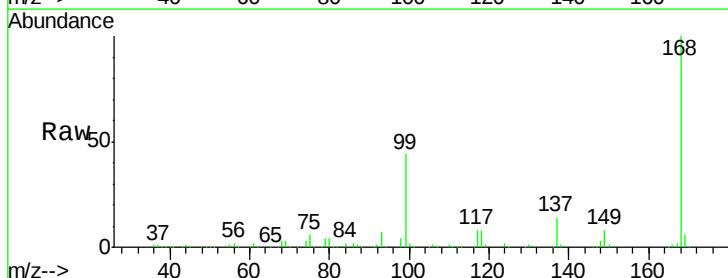
Tgt Ion: 117 Resp: 21792

Ion Ratio Lower Upper

117 100

119 6.6 77.6 116.4#

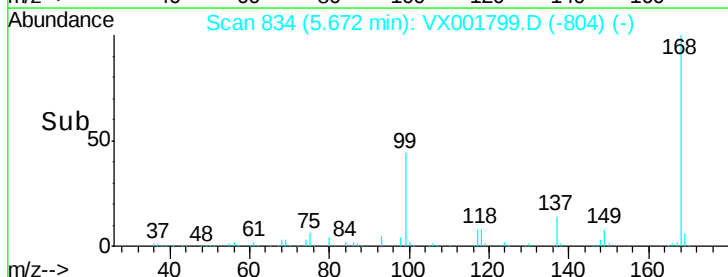
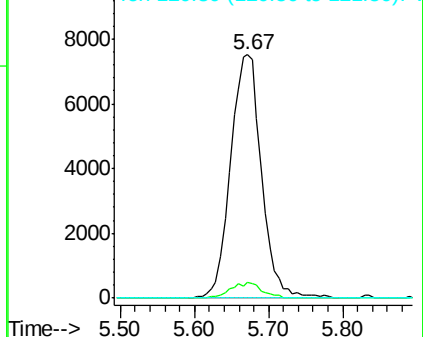
121 0.0 24.6 36.8#

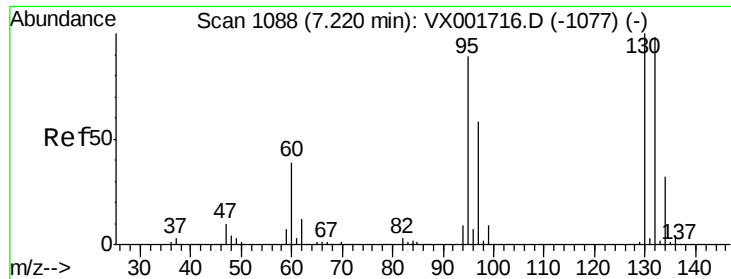


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.21 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

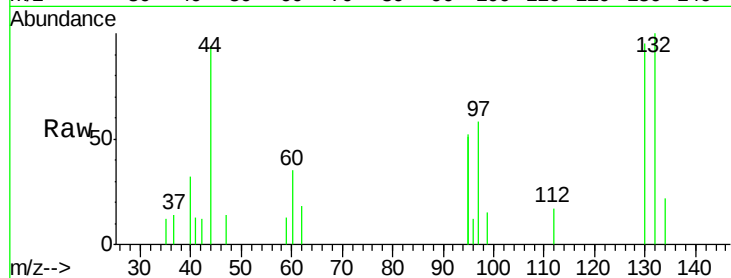
SS037MW311-180508DL

Tgt Ion:130 Resp: 760

Ion Ratio Lower Upper

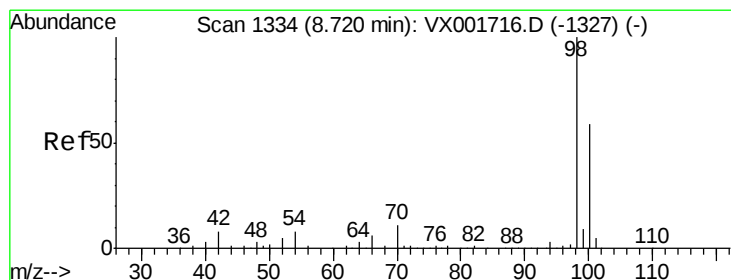
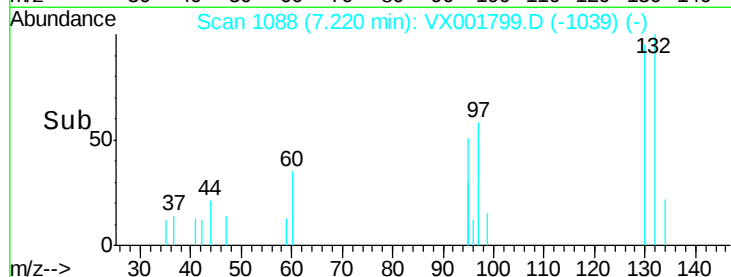
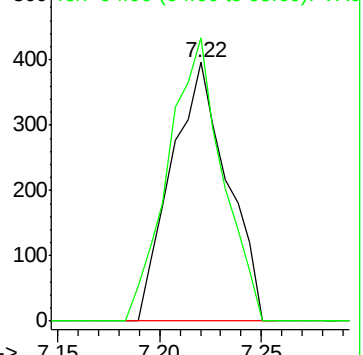
130 100

95 109.3 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 43.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001799.D

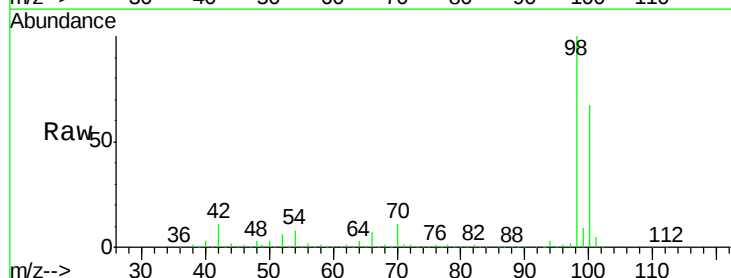
Acq: 17 May 2018 19:07

Tgt Ion: 98 Resp: 451451

Ion Ratio Lower Upper

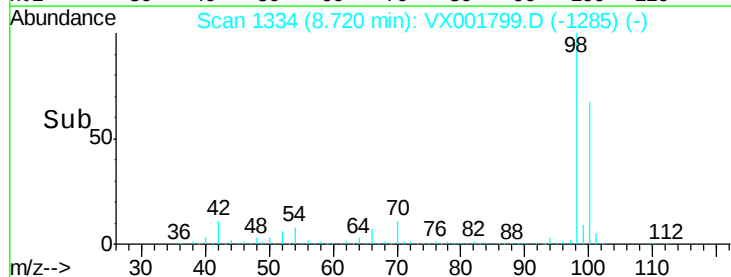
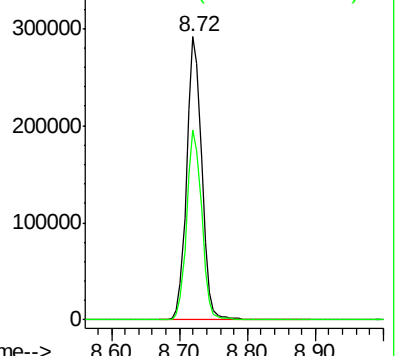
98 100

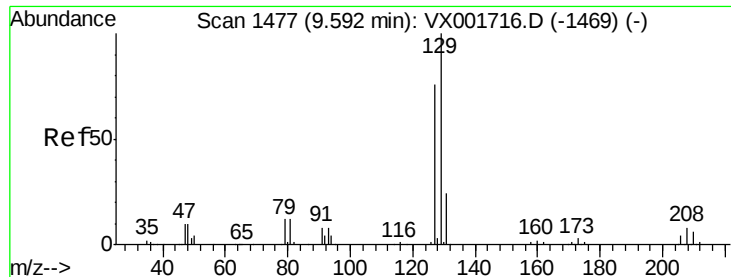
100 66.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.75 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.26 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

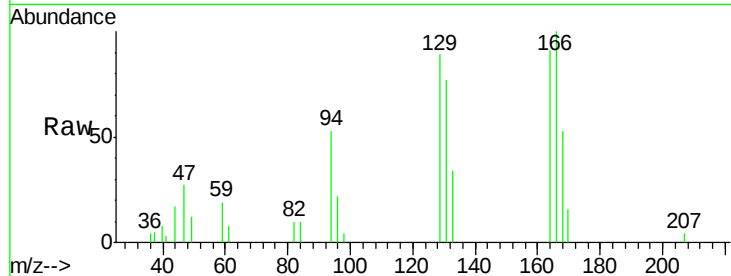
SS037MW311-180508DL

Tgt Ion:129 Resp: 2193

Ion Ratio Lower Upper

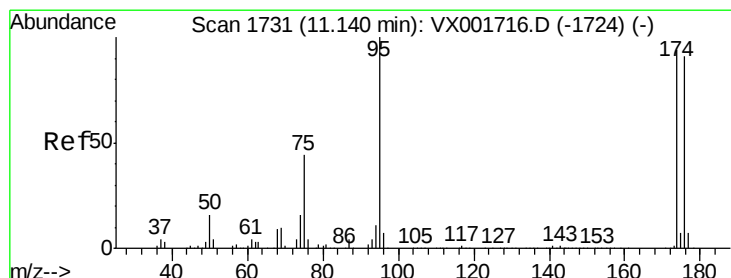
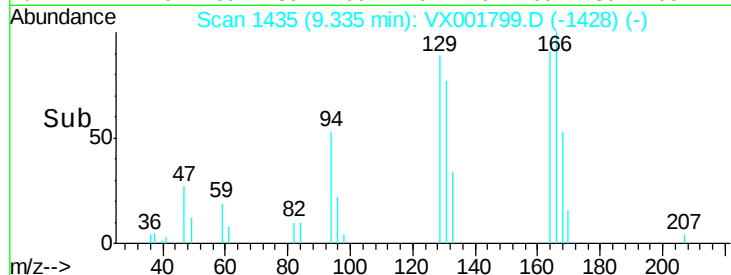
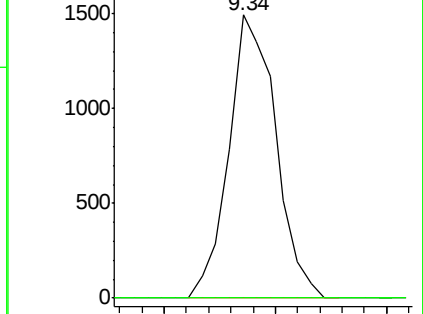
129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 34.69 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

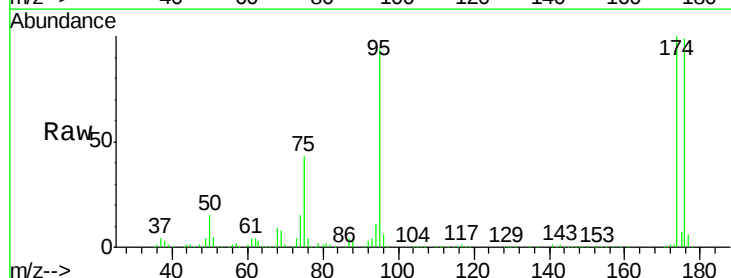
Tgt Ion: 95 Resp: 129305

Ion Ratio Lower Upper

95 100

174 103.1 0.0 201.8

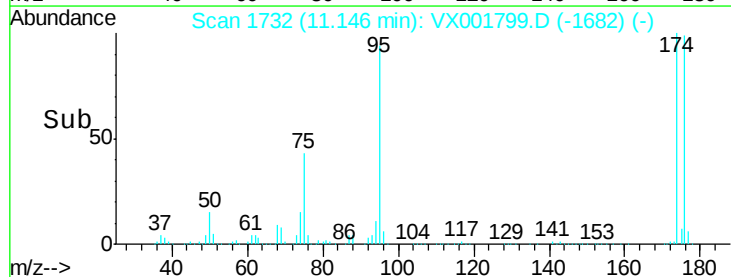
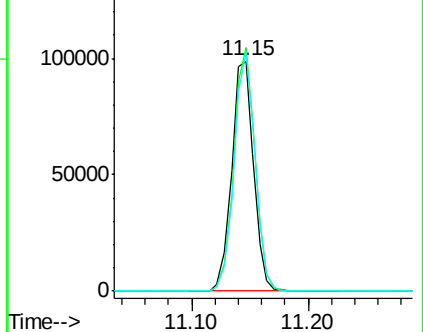
176 100.0 0.0 196.8

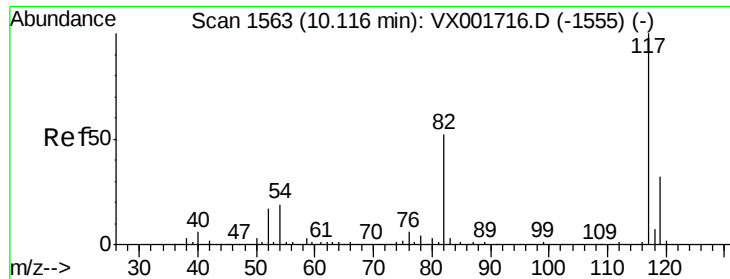


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

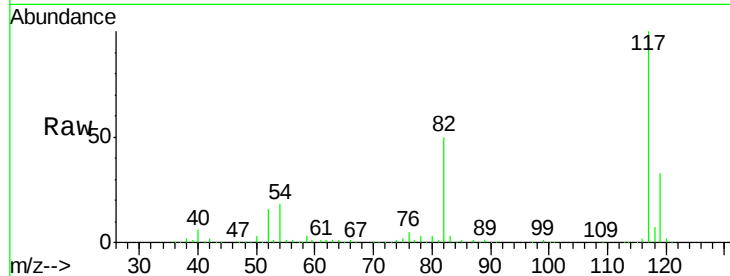




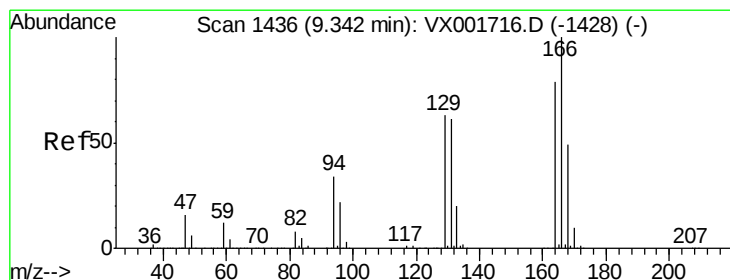
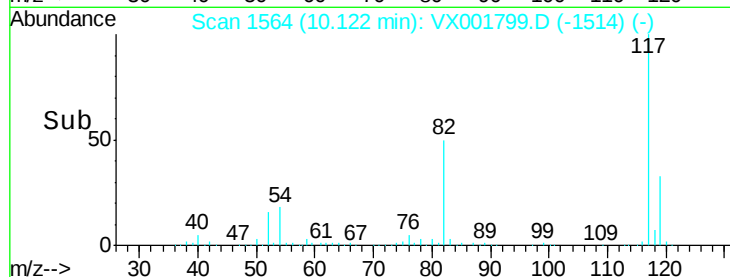
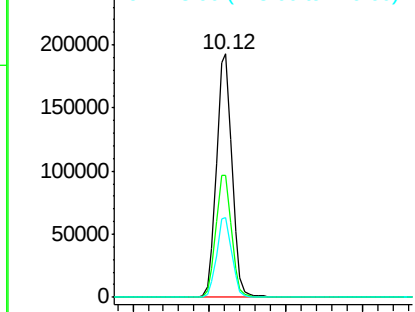
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001799.D
Acq: 17 May 2018 19:07

Instrument :
MSVOA_X
ClientSampleID :
SS037MW311-180508DL

Tgt Ion:117 Resp: 270865
Ion Ratio Lower Upper
117 100
82 50.0 41.4 62.2
119 32.7 25.6 38.4

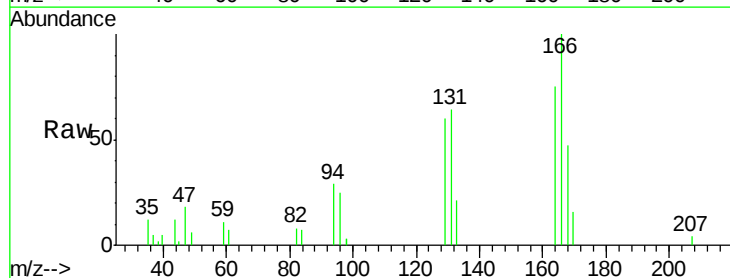


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

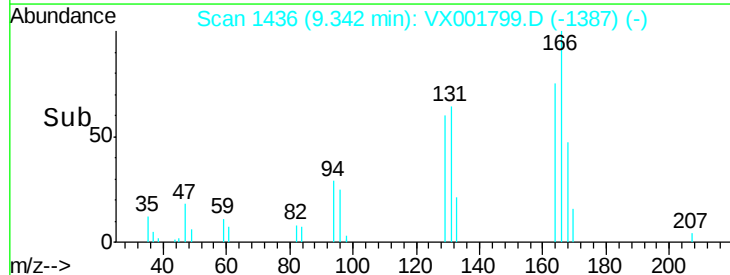
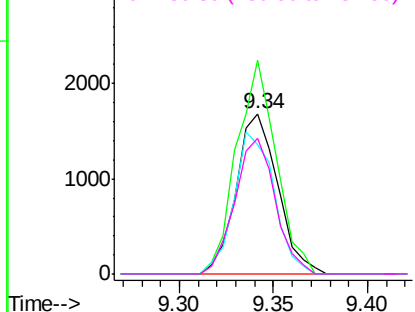


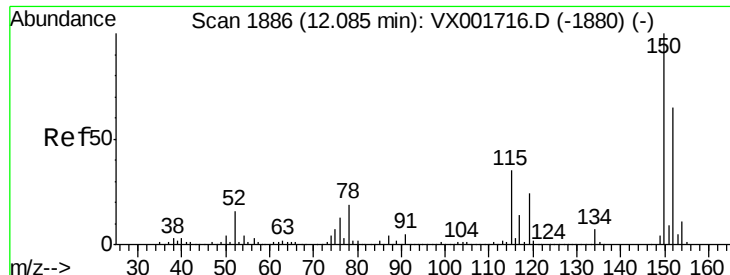
#64
Tetrachloroethene
Concen: 0.73 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001799.D
Acq: 17 May 2018 19:07

Tgt Ion:164 Resp: 2574
Ion Ratio Lower Upper
164 100
166 133.0 101.8 152.8
129 80.2 63.8 95.6
131 84.5 62.2 93.2



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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-180508DL

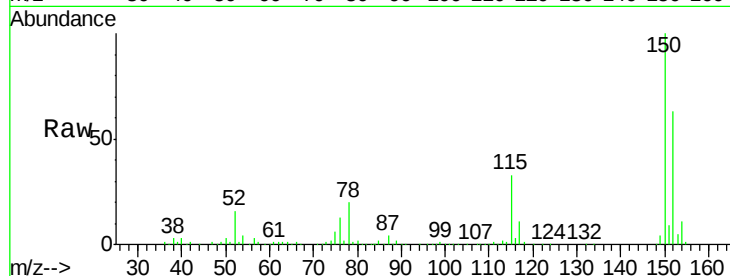
Tgt Ion:152 Resp: 133560

Ion Ratio Lower Upper

152 100

115 51.4 37.4 112.2

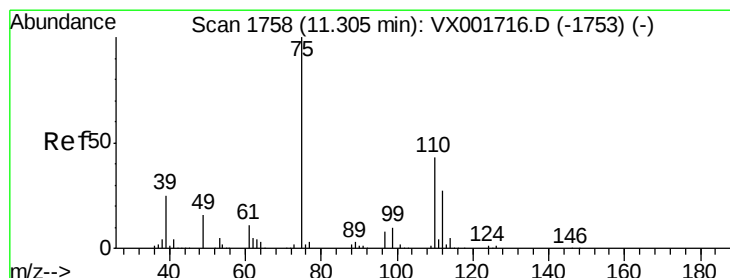
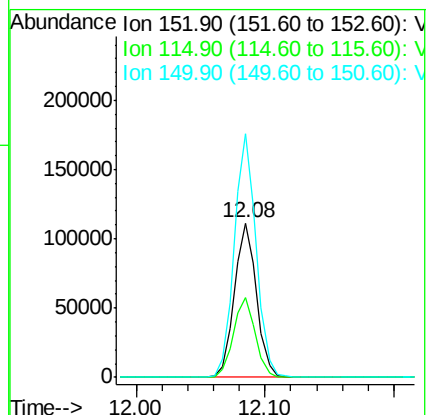
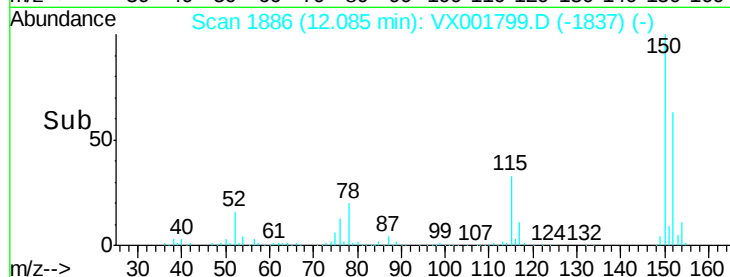
150 156.3 0.0 344.8



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: 23.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001799.D

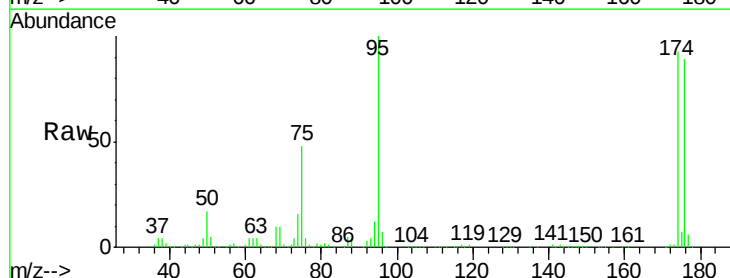
Acq: 17 May 2018 19:07

Tgt Ion: 75 Resp: 60698

Ion Ratio Lower Upper

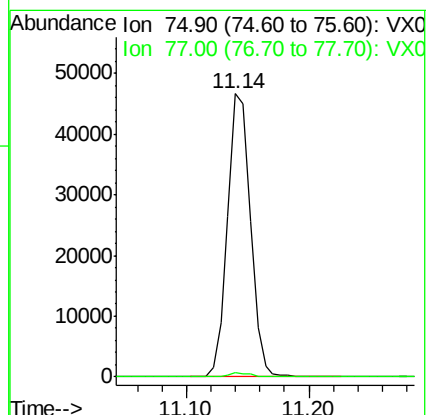
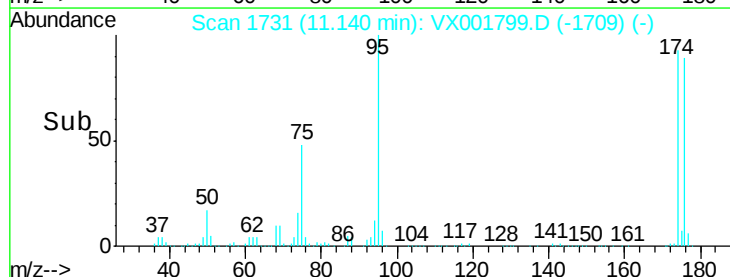
75 100

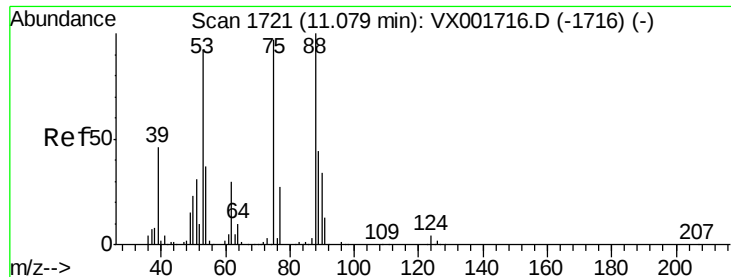
77 1.3 18.9 56.7#



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: 69.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001799.D

Acq: 17 May 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-180508DL

Tgt Ion: 75 Resp: 60698

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

