

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001181.D
 Acq On : 27 Apr 2018 19:53
 Operator : JC/MD
 Sample : J2463-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0444-180416

Quant Time: Apr 28 03:11:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	188796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	259730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	226181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	121607	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	150841	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.51	113	117581	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	8.72	98	446760	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
62) 4-Bromofluorobenzene	11.14	95	148497	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

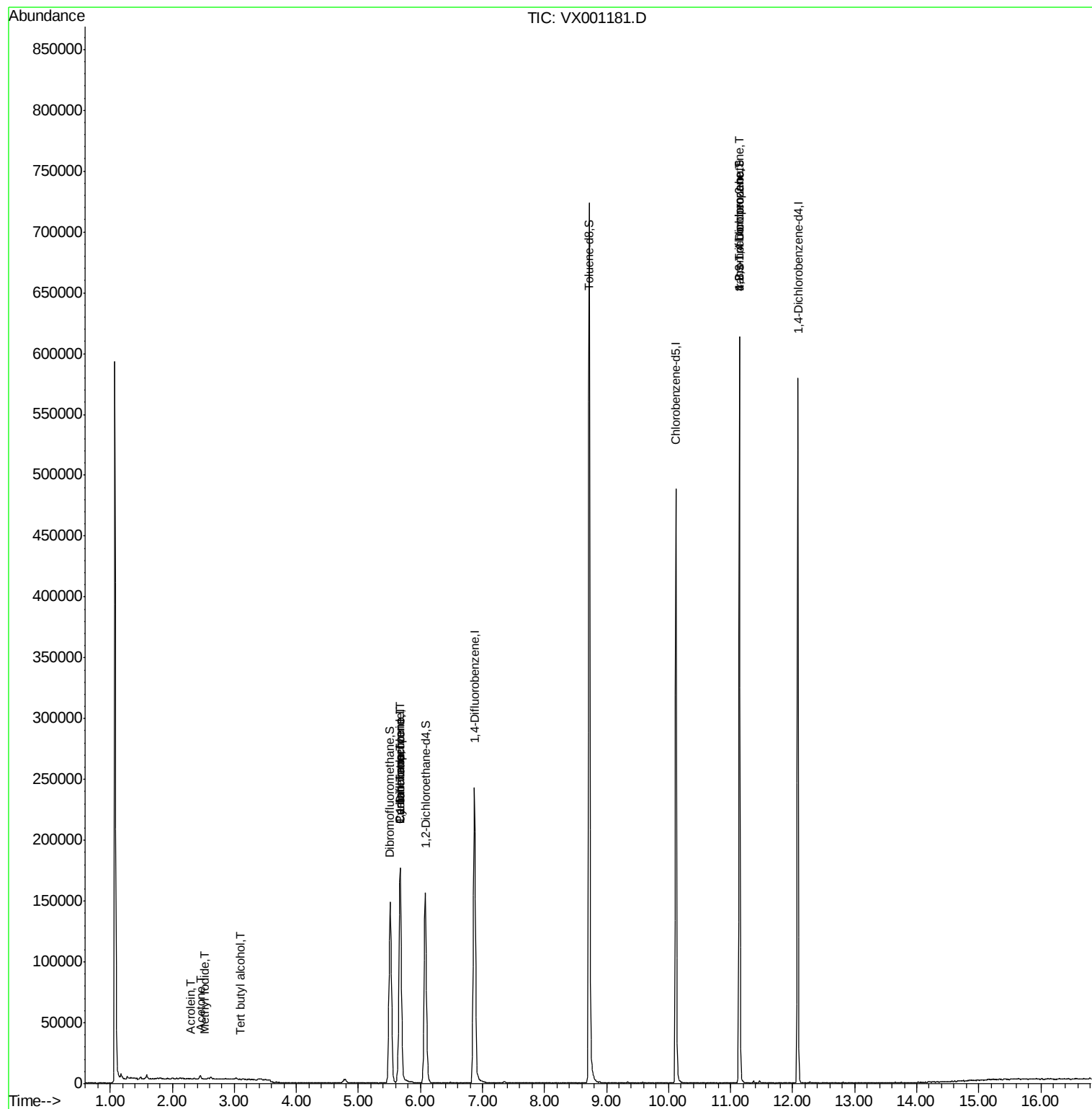
Target Compounds					Qvalue
5) Bromomethane	1.66	94	178	Below Cal	# 61
10) Methyl Iodide	2.52	142	43	7.257 ug/l	# 41
11) Tert butyl alcohol	3.09	59	292	0.506 ug/l	# 72
13) Acrolein	2.30	56	228	1.045 ug/l	96
16) Acetone	2.45	43	3545	2.946 ug/l	99
31) Cyclohexane	5.68	56	3467	1.114 ug/l	# 36
36) 1,1-Dichloropropene	5.67	75	11703	4.089 ug/l	# 50
38) Carbon Tetrachloride	5.67	117	16388	5.584 ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	77283	31.210 ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	77283	94.152 ug/l	# 6

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

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QLast Update : Fri Apr 27 01:51:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001181.D

Acq: 27 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

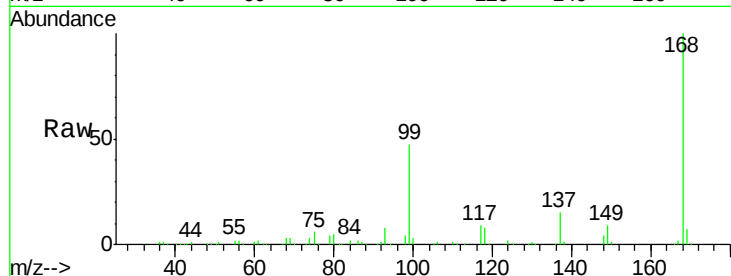
DUP-0444-180416

Tgt Ion:168 Resp: 188796

Ion Ratio Lower Upper

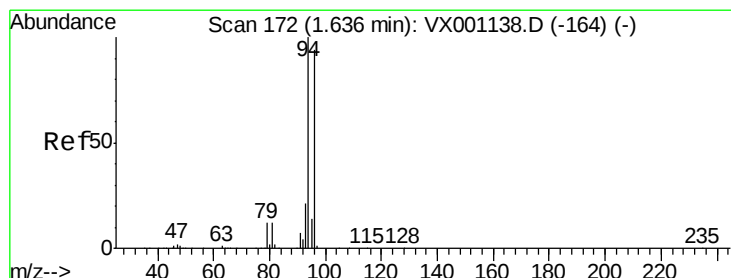
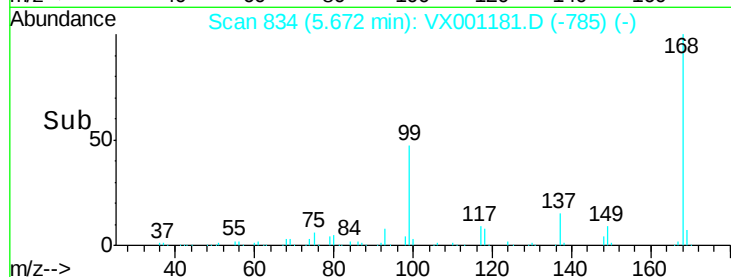
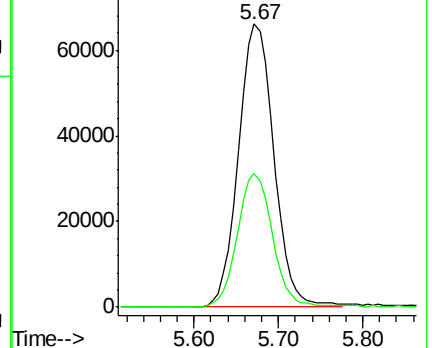
168 100

99 47.4 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001181.D

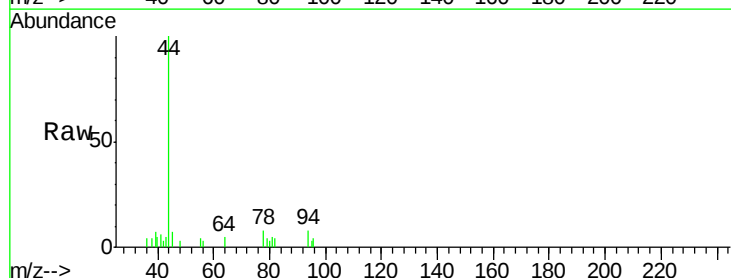
Acq: 27 Apr 2018 19:53

Tgt Ion: 94 Resp: 178

Ion Ratio Lower Upper

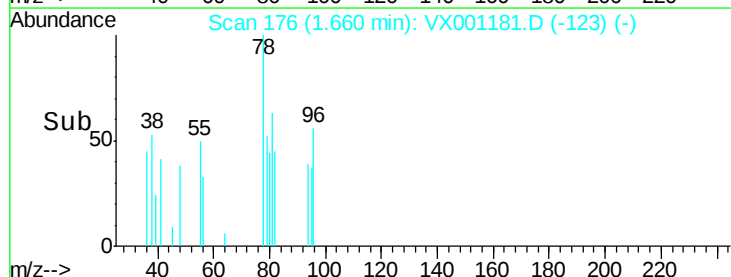
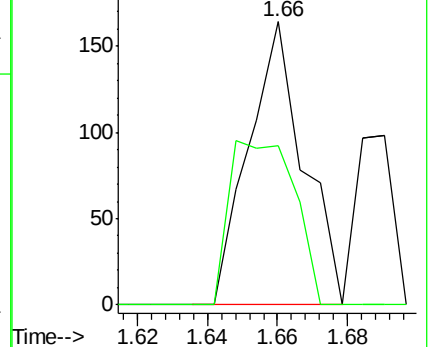
94 100

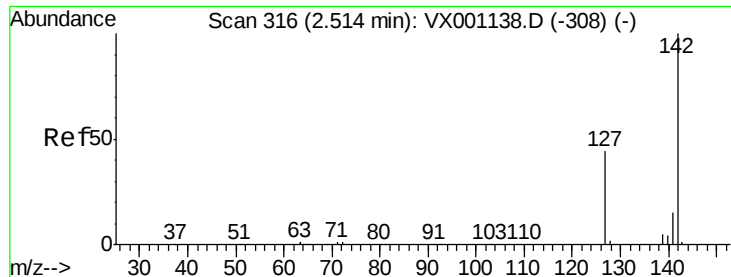
96 56.1 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

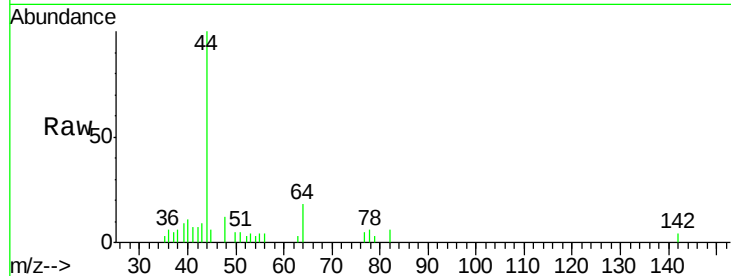




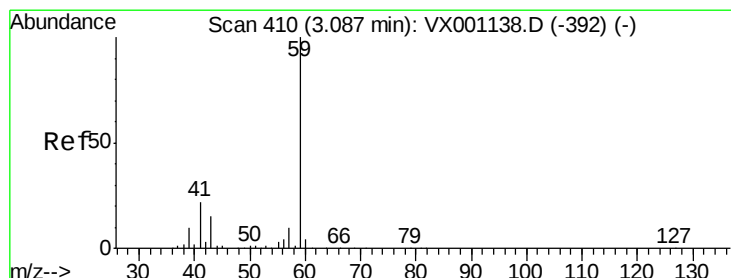
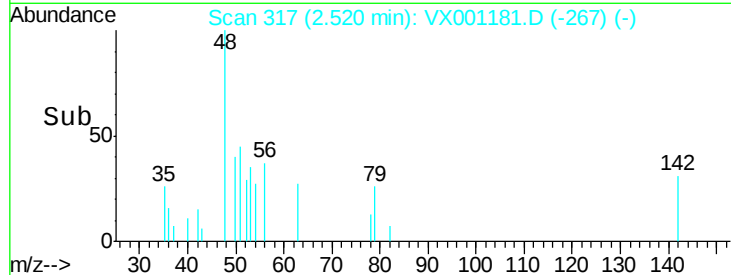
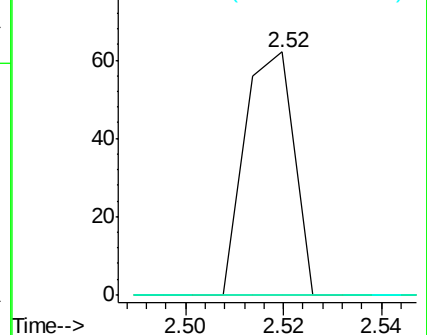
#10
Methyl Iodide
Concen: 7.257 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001181.D
Acq: 27 Apr 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
DUP-0444-180416

Tgt Ion: 142 Resp: 43
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#

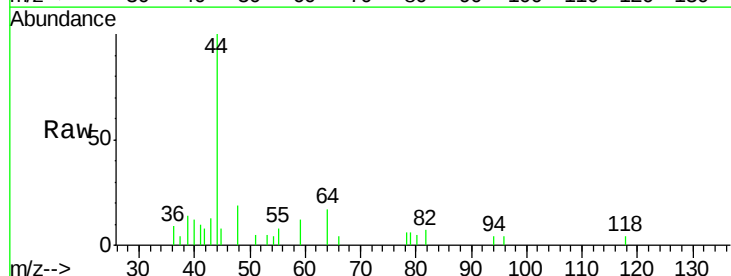


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

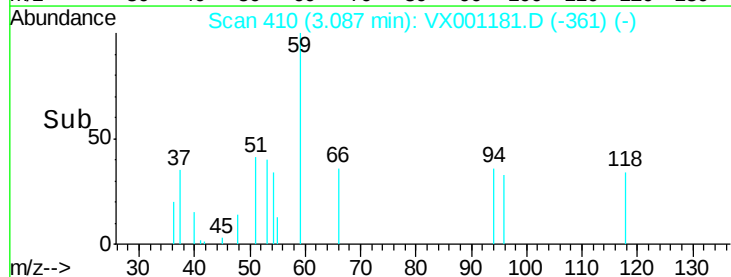
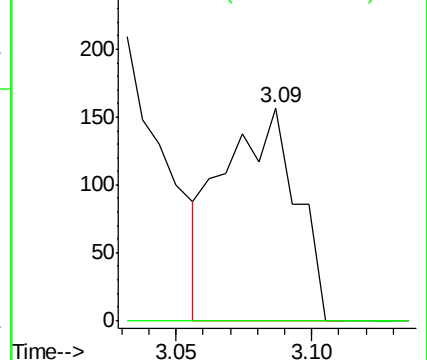


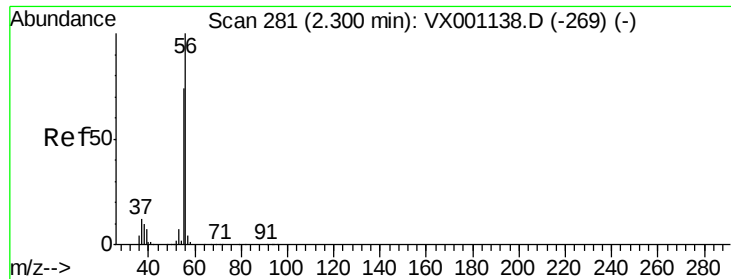
#11
Tert butyl alcohol
Concen: 0.506 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001181.D
Acq: 27 Apr 2018 19:53

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.045 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001181.D

Acq: 27 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

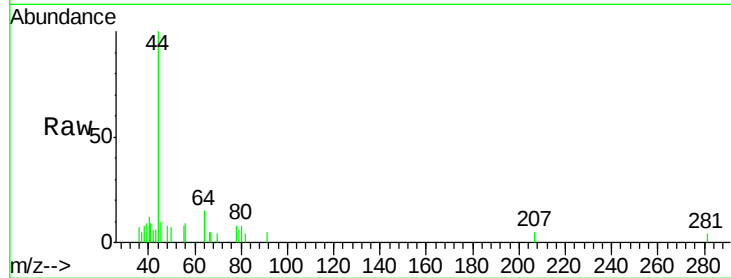
DUP-0444-180416

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

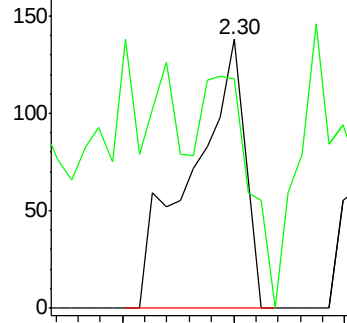
56 100

55 75.0 57.2 85.8

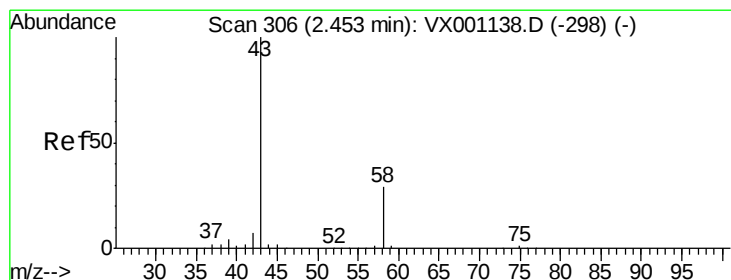
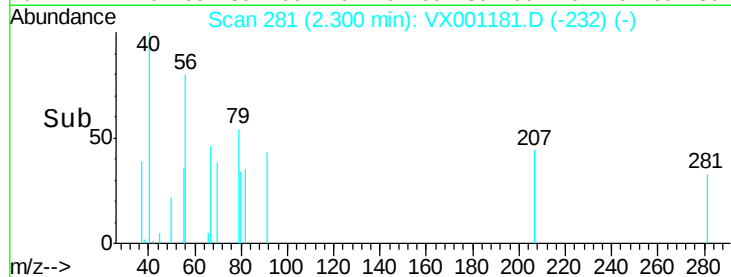


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 2.946 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001181.D

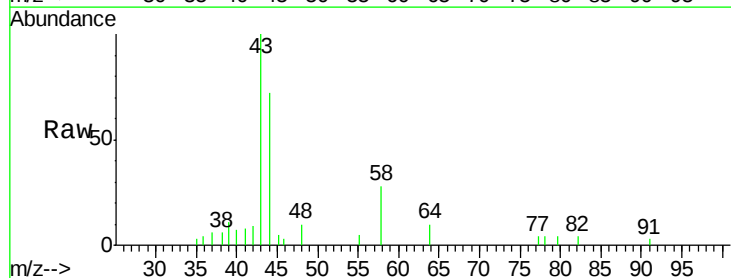
Acq: 27 Apr 2018 19:53

Tgt Ion: 43 Resp: 3545

Ion Ratio Lower Upper

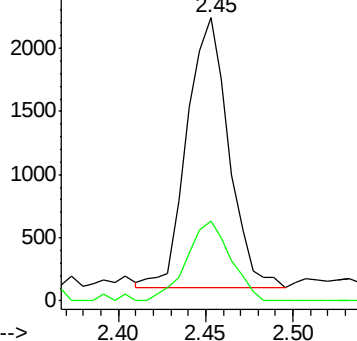
43 100

58 29.4 23.0 34.6

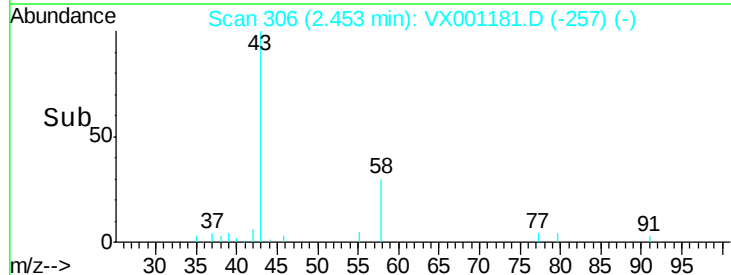


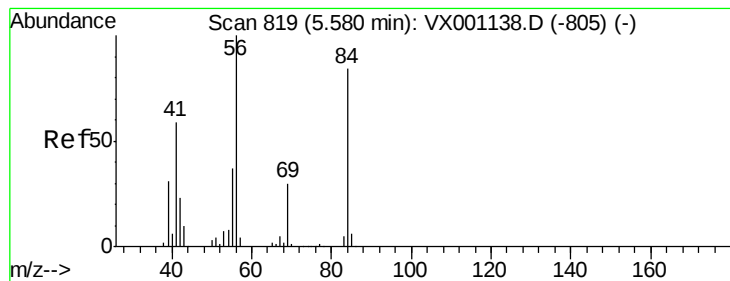
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#31

Cyclohexane

Concen: 1.114 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001181.D

Acq: 27 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

DUP-0444-180416

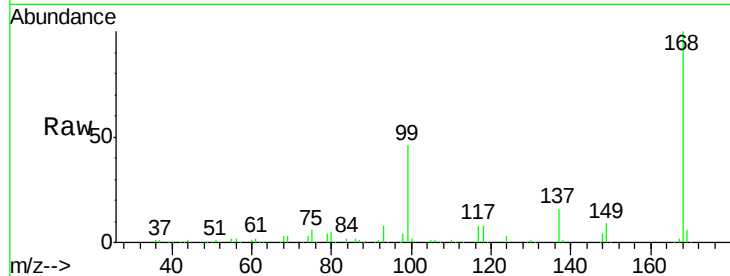
Tgt Ion: 56 Resp: 3467

Ion Ratio Lower Upper

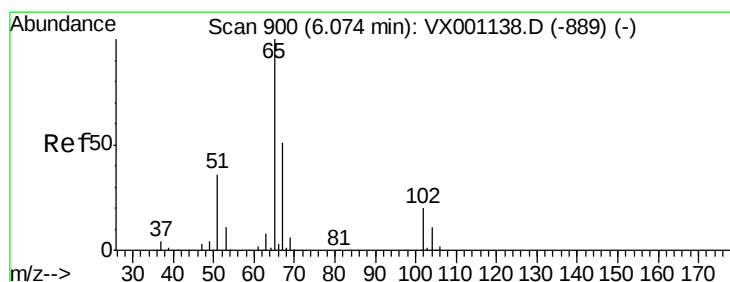
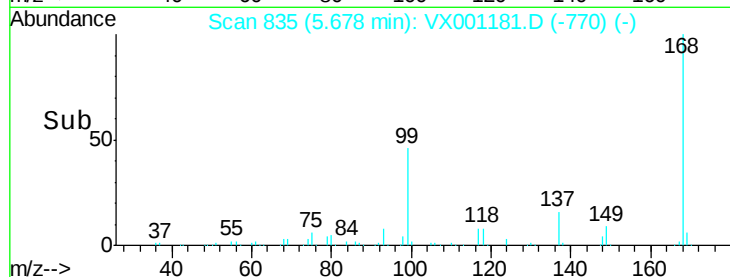
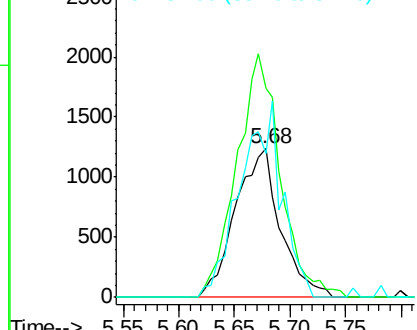
56 100

69 141.2 24.2 36.2#

84 97.2 67.5 101.3



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: 51.542 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001181.D

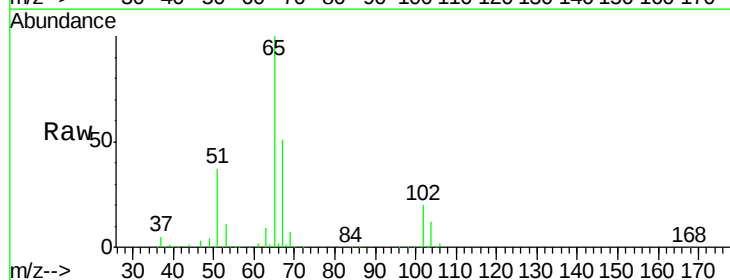
Acq: 27 Apr 2018 19:53

Tgt Ion: 65 Resp: 150841

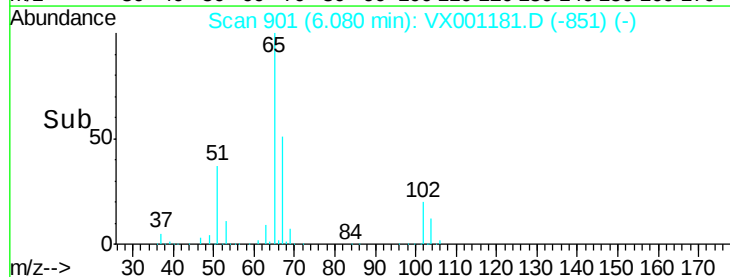
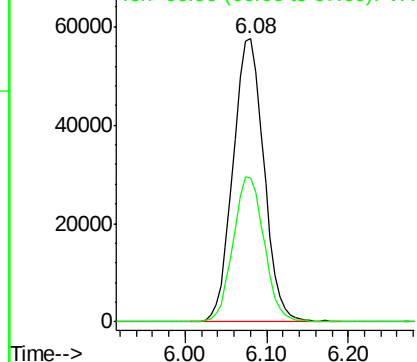
Ion Ratio Lower Upper

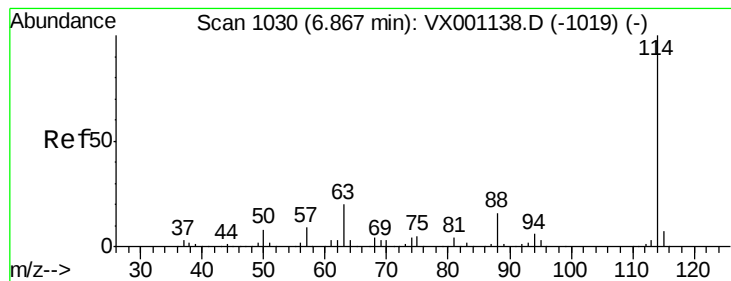
65 100

67 51.4 0.0 102.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001181.D

Acq: 27 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

DUP-0444-180416

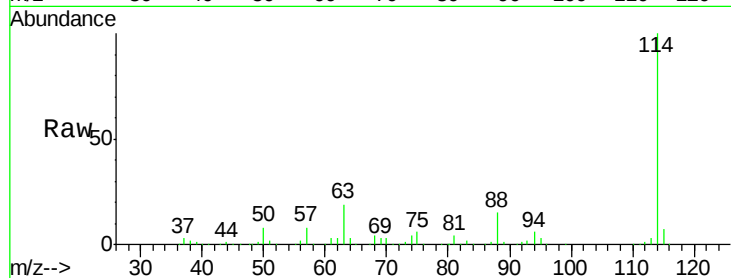
Tgt Ion:114 Resp: 259730

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.4

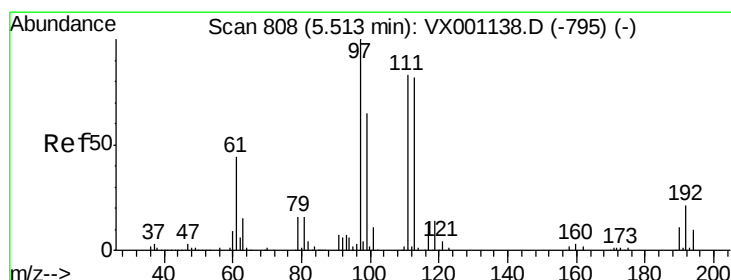
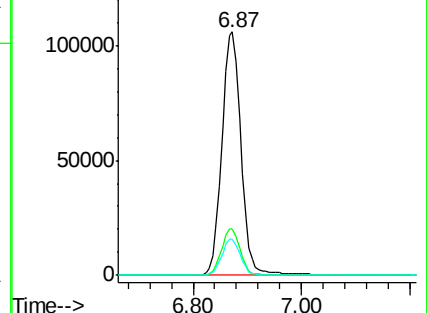
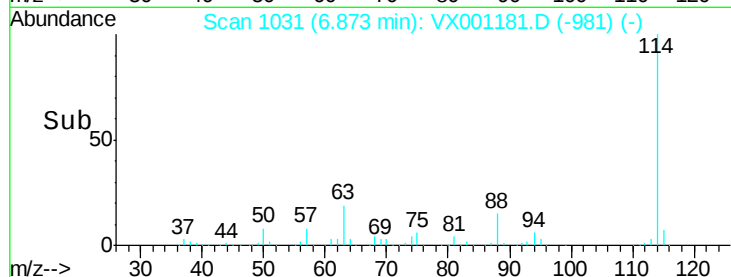
88 14.9 0.0 31.8



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: 54.694 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001181.D

Acq: 27 Apr 2018 19:53

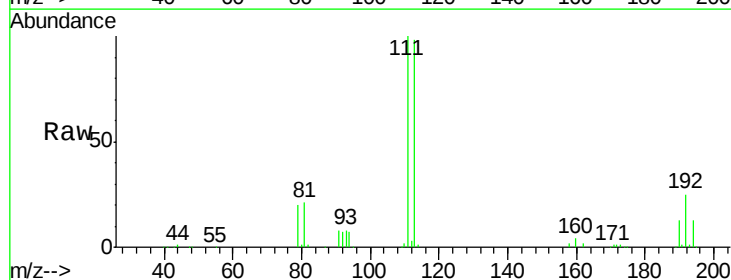
Tgt Ion:113 Resp: 117581

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

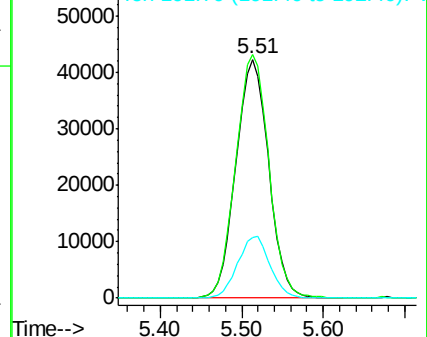
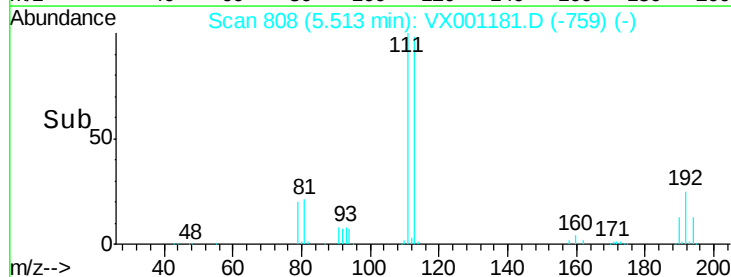
192 25.7 20.6 30.8

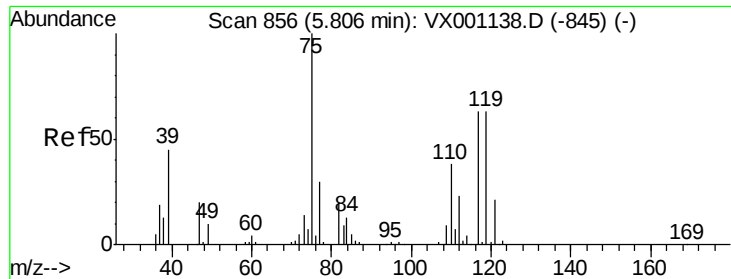


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

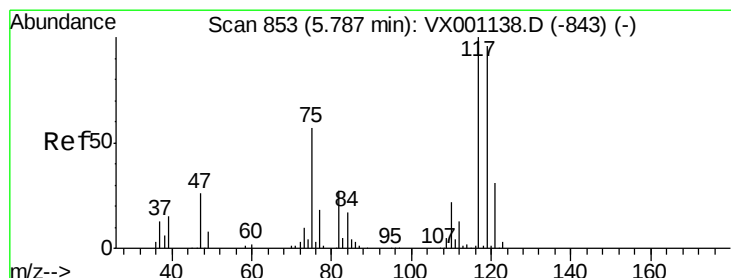
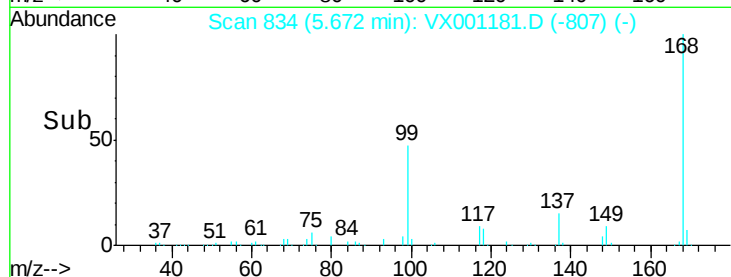
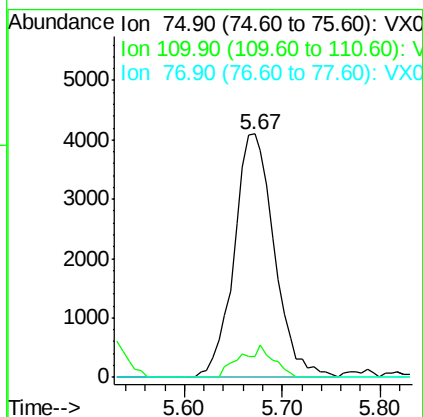
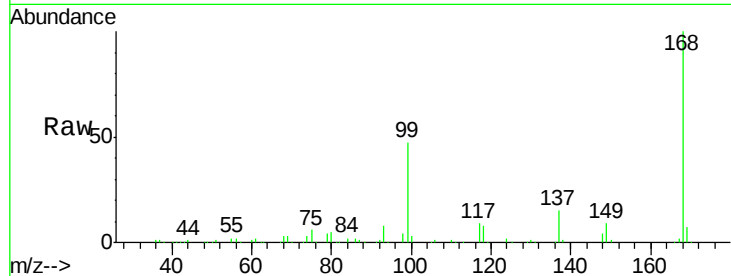




#36
 1,1-Dichloropropene
 Concen: 4.089 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001181.D
 Acq: 27 Apr 2018 19:53

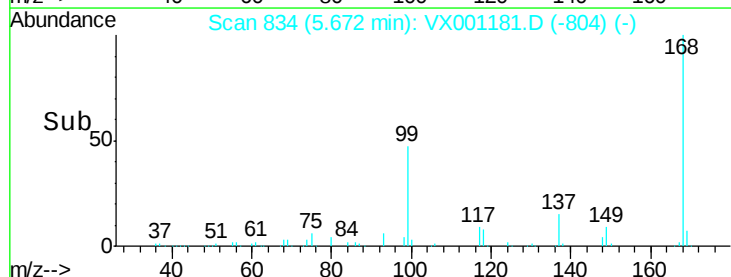
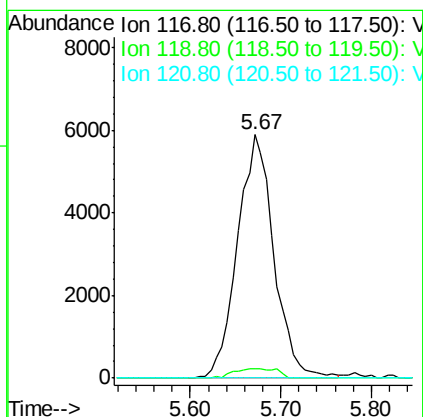
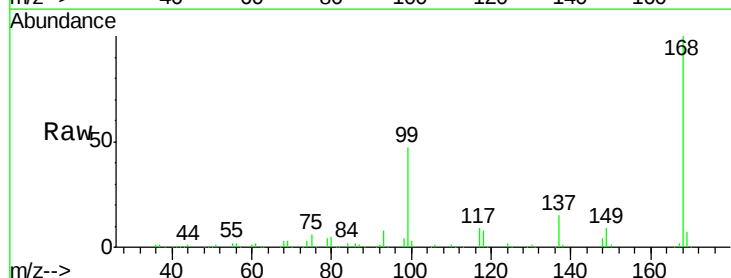
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 DUP-0444-180416

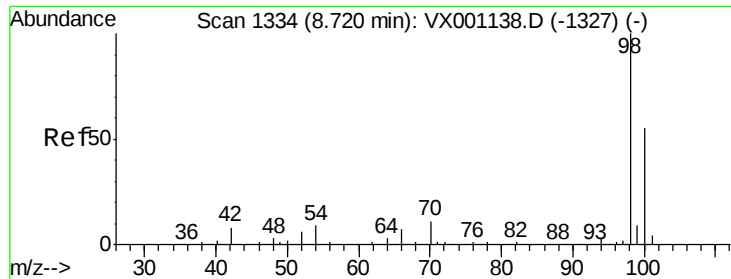
Tgt Ion: 75 Resp: 11703
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.0 57.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.584 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001181.D
 Acq: 27 Apr 2018 19:53

Tgt Ion: 117 Resp: 16388
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.5 114.7#
 121 0.0 24.6 37.0#

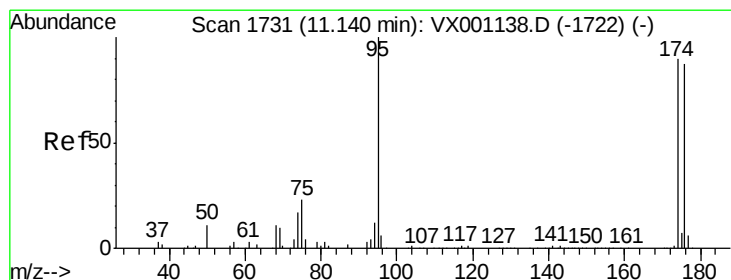
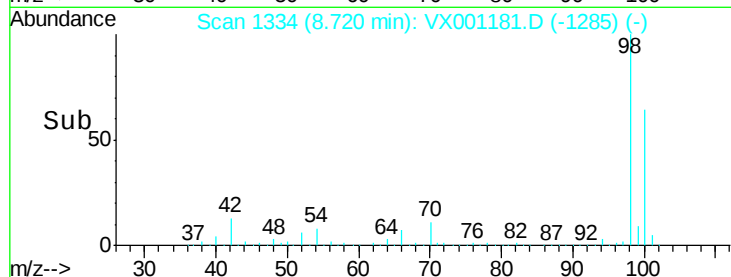
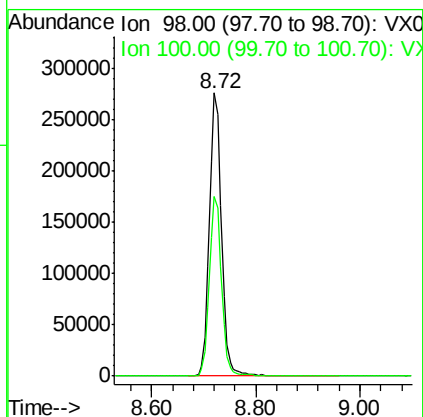
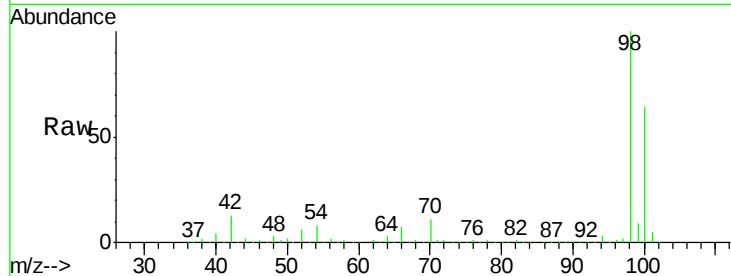




#50
Toluene-d8
Concen: 55.068 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001181.D
Acq: 27 Apr 2018 19:53

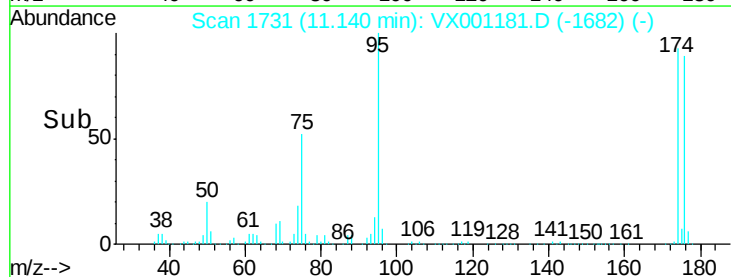
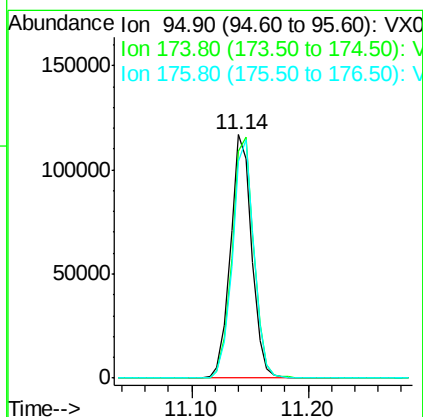
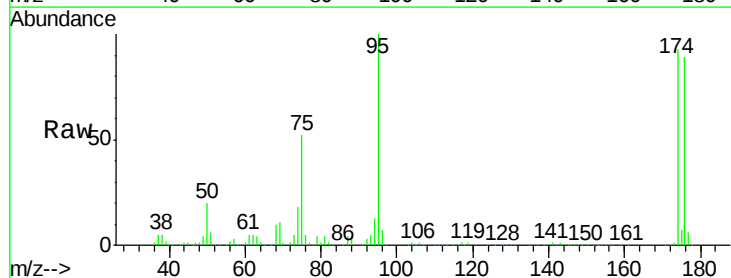
Instrument :
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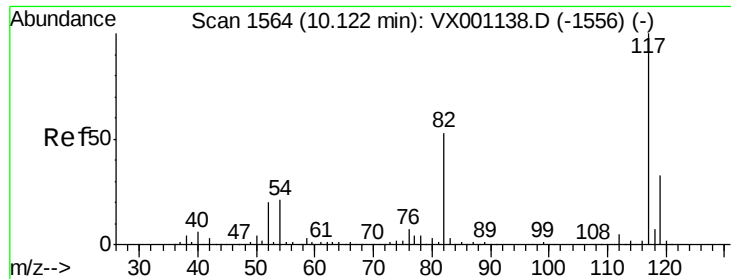
Tgt Ion: 98 Resp: 446760
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 46.855 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001181.D
Acq: 27 Apr 2018 19:53

Tgt Ion: 95 Resp: 148497
Ion Ratio Lower Upper
95 100
174 101.3 0.0 194.4
176 98.1 0.0 190.2

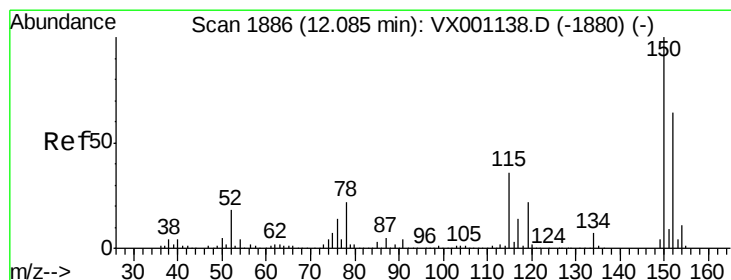
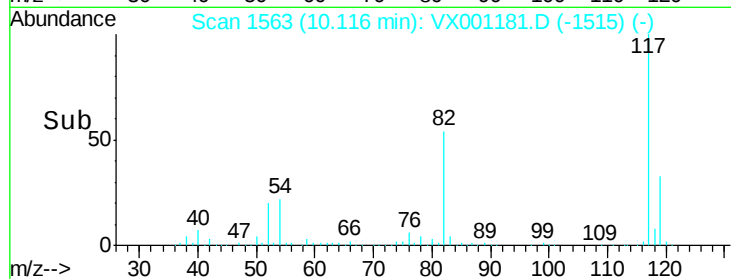
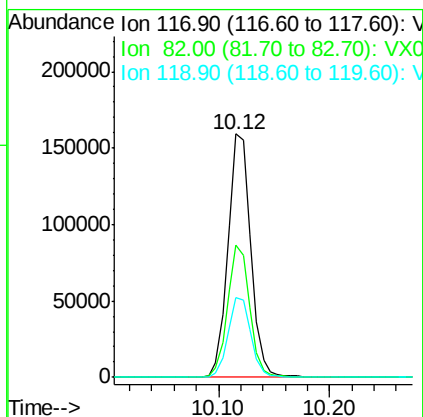
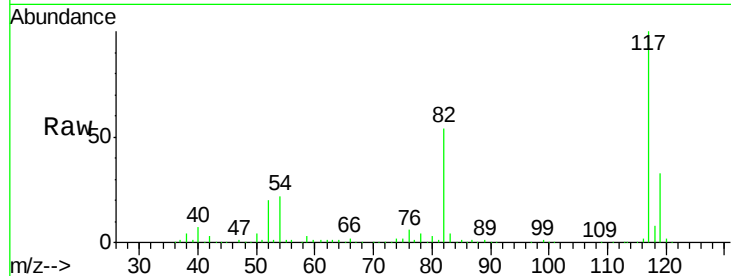




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001181.D
Acq: 27 Apr 2018 19:53

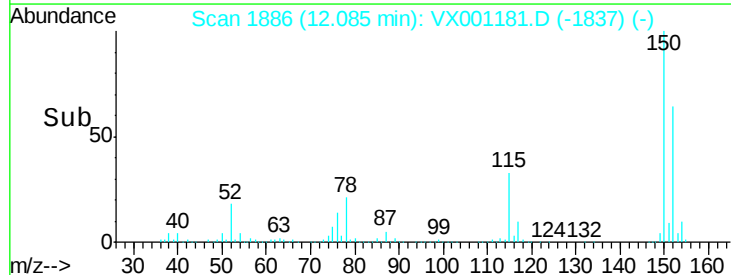
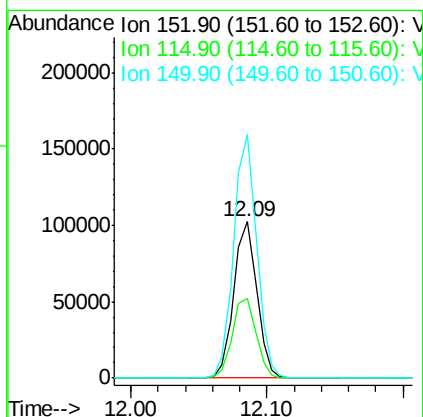
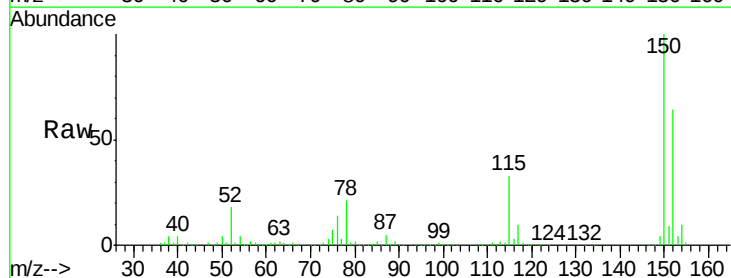
Instrument :
MSVOA_X
ClientSampleId :
DUP-0444-180416

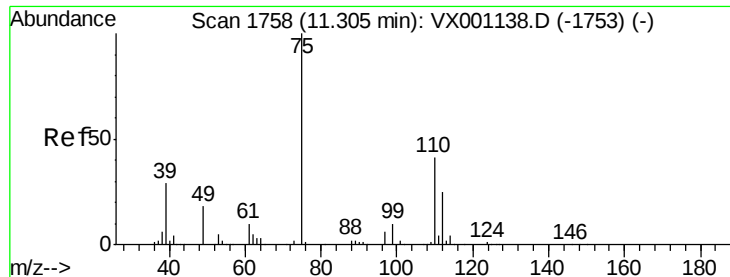
Tgt Ion:117 Resp: 226181
Ion Ratio Lower Upper
117 100
82 54.3 42.1 63.1
119 32.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001181.D
Acq: 27 Apr 2018 19:53

Tgt Ion:152 Resp: 121607
Ion Ratio Lower Upper
152 100
115 53.1 38.0 114.0
150 155.2 0.0 349.6

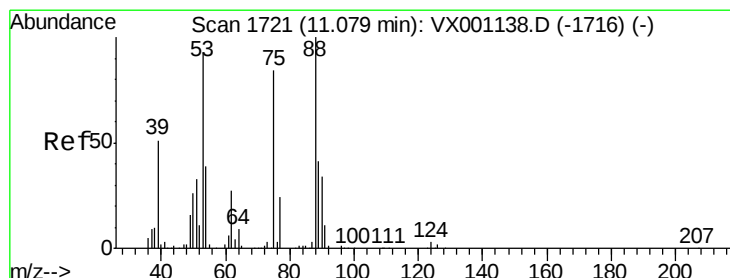
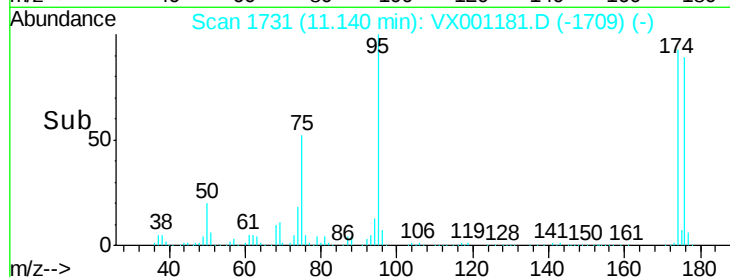
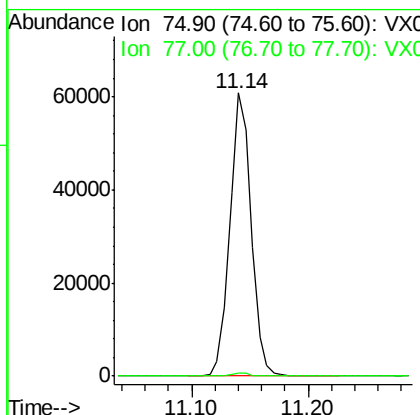
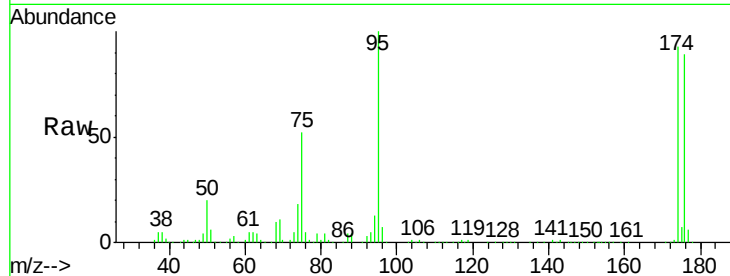




#76
 1,2,3-Trichloropropane
 Concen: 31.210 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001181.D
 Acq: 27 Apr 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0444-180416

Tgt Ion: 75 Resp: 77283
 Ion Ratio Lower Upper
 75 100
 77 1.0 18.9 56.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.152 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001181.D
 Acq: 27 Apr 2018 19:53

Tgt Ion: 75 Resp: 77283
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.9 131.9#
 89 0.0 37.7 56.5#

