

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003597.D
 Acq On : 23 Jul 2018 12:03
 Operator : JC/SP
 Sample : J4028-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0488-180716

Quant Time: Jul 24 01:40:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	377281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191010	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	161432	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
35) Dibromofluoromethane	5.51	113	144541	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	8.72	98	538657	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	179975	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

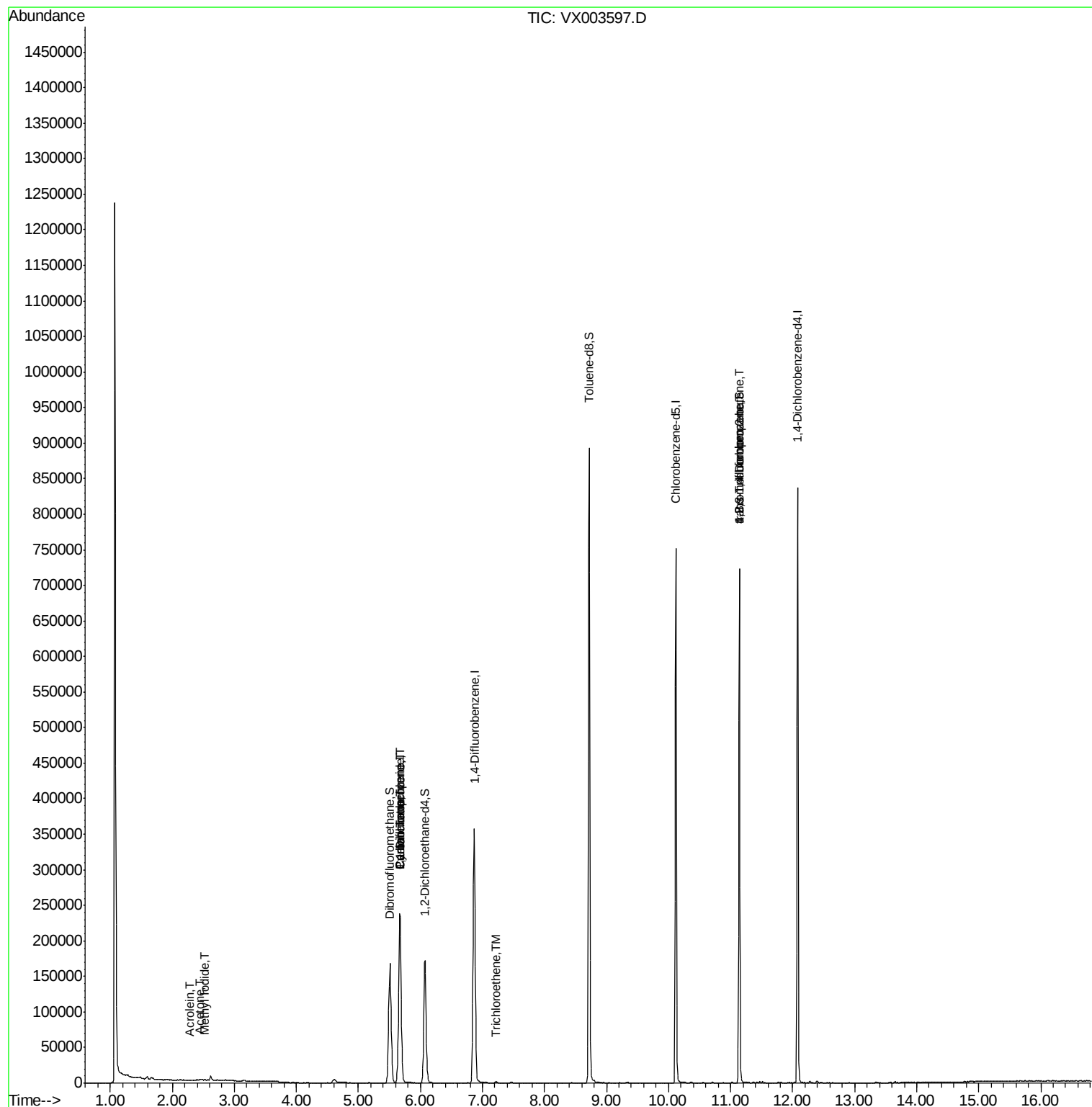
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	126	Below Cal		90
3) Chloromethane	1.32	50	675	Below Cal	#	76
5) Bromomethane	1.67	94	1428	Below Cal		92
10) Methyl Iodide	2.52	142	1587	0.474	ug/l	94
13) Acrolein	2.28	56	93	0.349	ug/l #	1
16) Acetone	2.45	43	1826	1.624	ug/l #	80
20) Methylene Chloride	2.86	84	184	Below Cal	#	83
31) Cyclohexane	5.67	56	4309	0.961	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16197	3.976	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21977	5.500	ug/l #	16
44) Trichloroethene	7.21	130	831	0.227	ug/l	59
76) 1,2,3-Trichloropropane	11.14	75	83784	24.416	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	83784	68.430	ug/l #	7

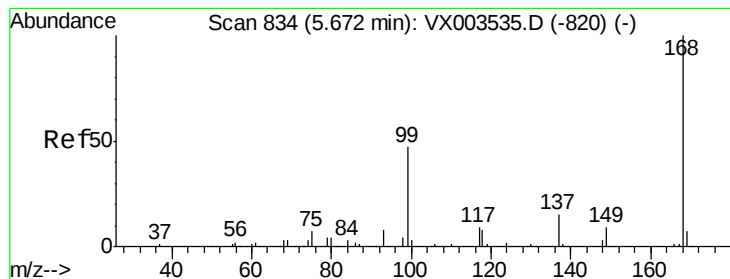
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

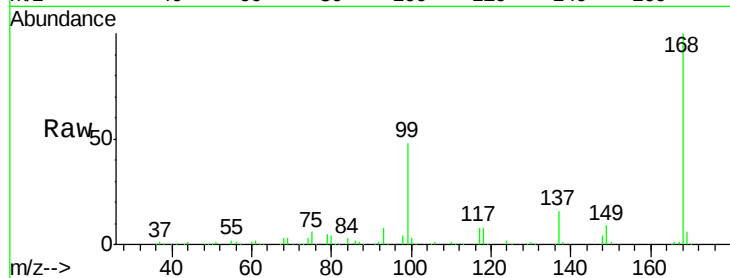
DUP-0488-180716

Tgt Ion:168 Resp: 251461

Ion Ratio Lower Upper

168 100

99 48.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

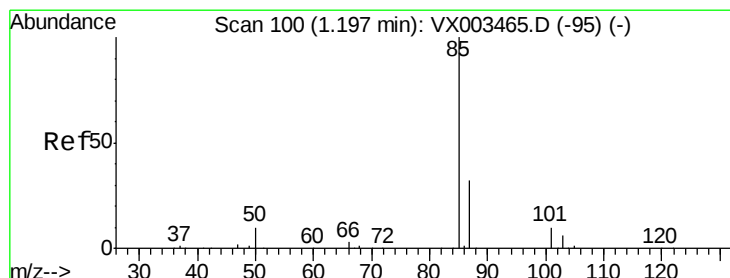
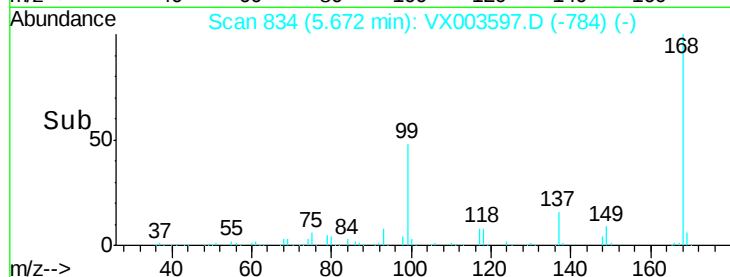
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003597.D

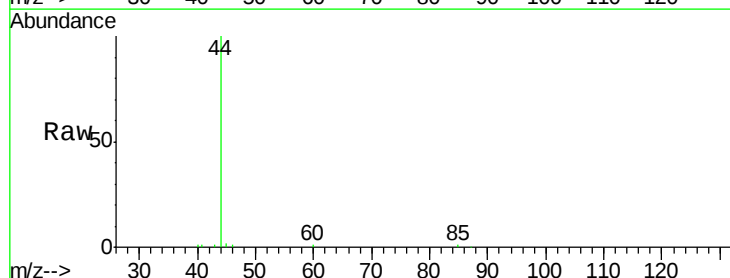
Acq: 23 Jul 2018 12:03

Tgt Ion: 85 Resp: 126

Ion Ratio Lower Upper

85 100

87 37.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

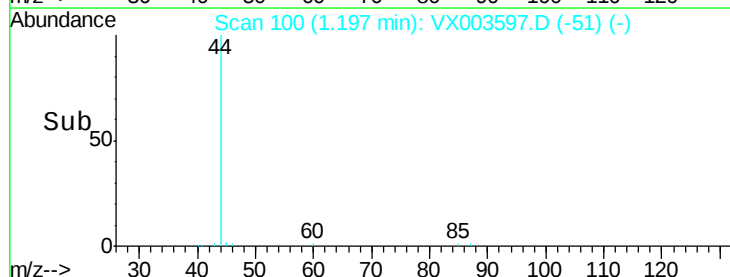
150

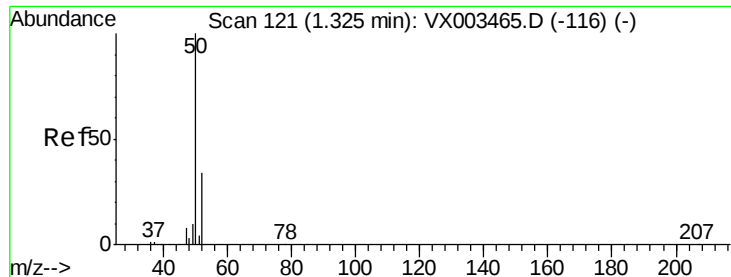
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

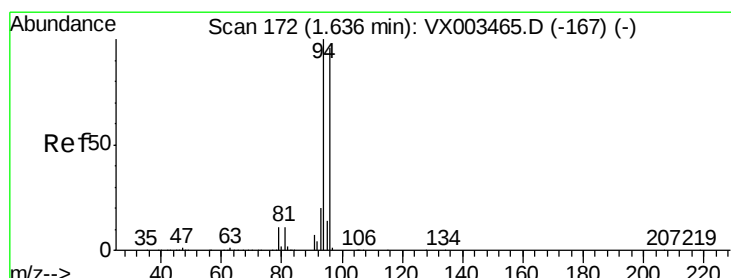
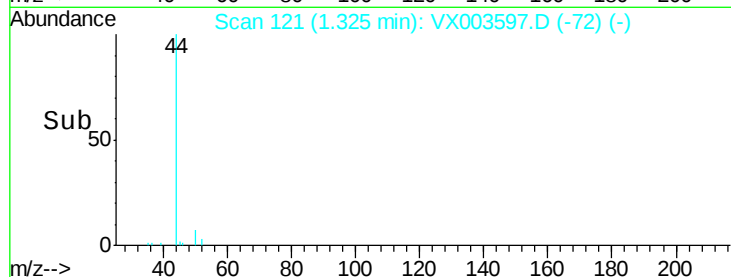
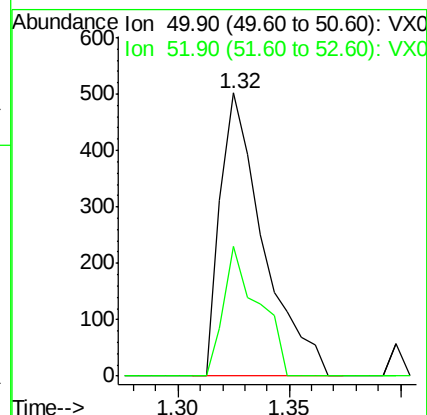
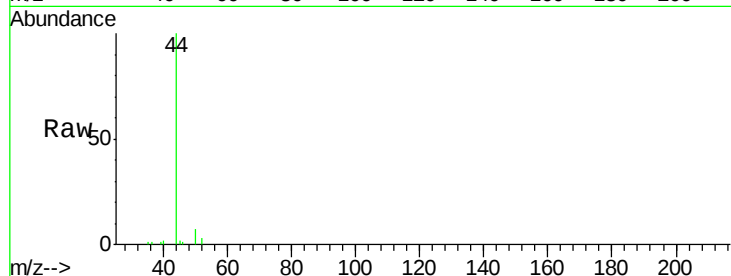
DUP-0488-180716

Tgt Ion: 50 Resp: 675

Ion Ratio Lower Upper

50 100

52 45.6 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003597.D

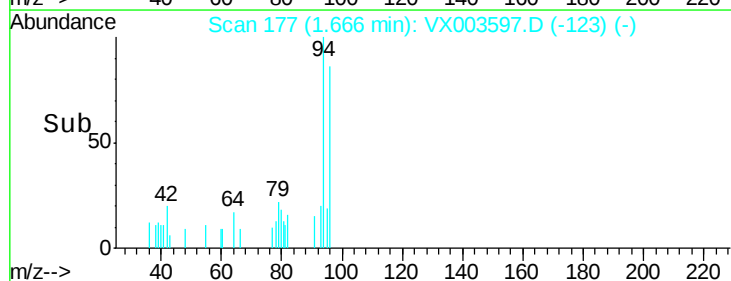
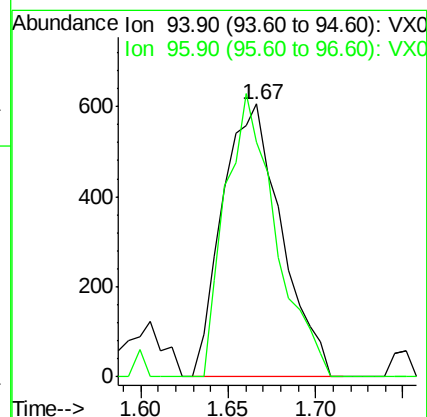
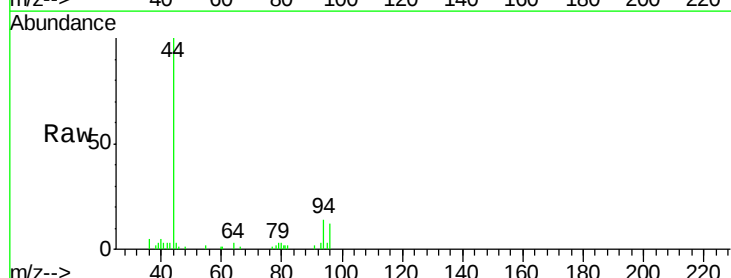
Acq: 23 Jul 2018 12:03

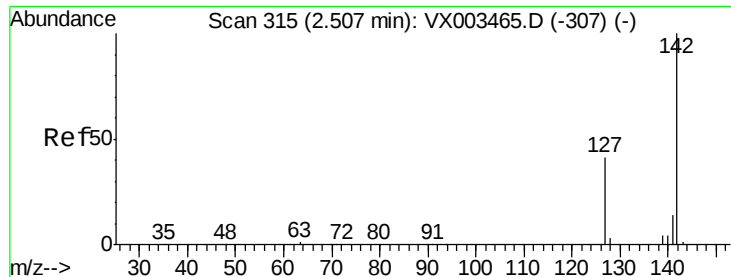
Tgt Ion: 94 Resp: 1428

Ion Ratio Lower Upper

94 100

96 86.0 74.9 112.3

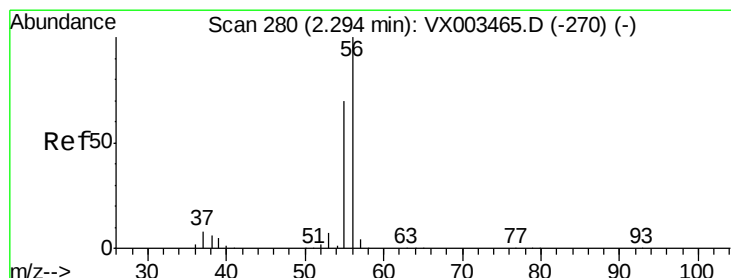
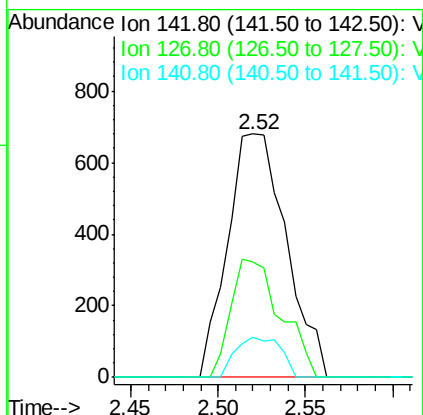
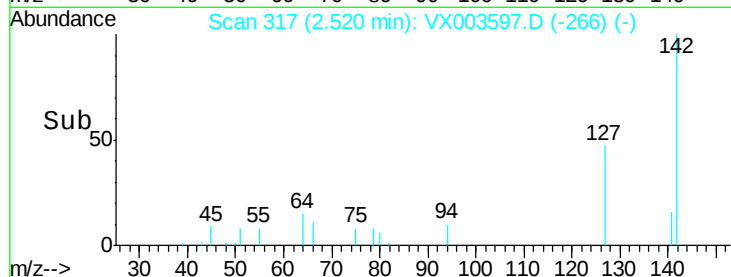
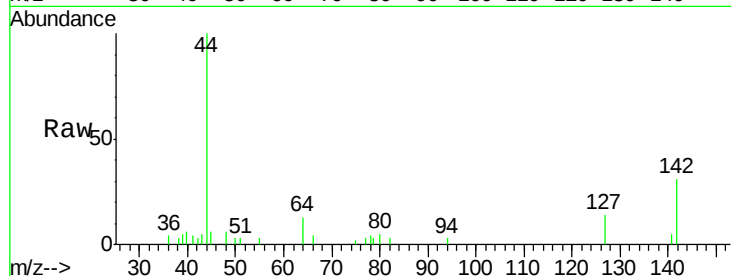




#10
Methyl Iodide
Concen: 0.474 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003597.D
Acq: 23 Jul 2018 12:03

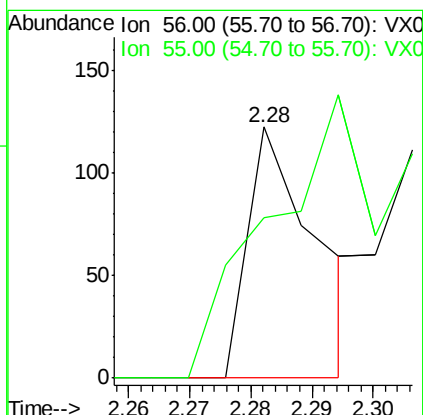
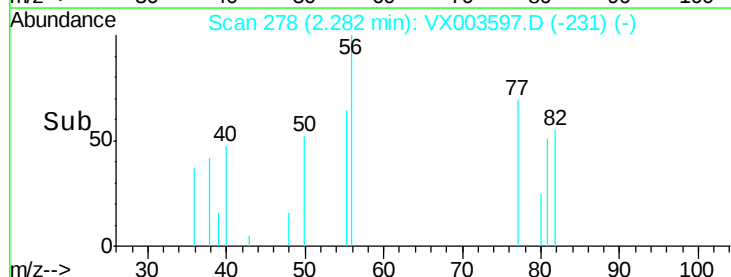
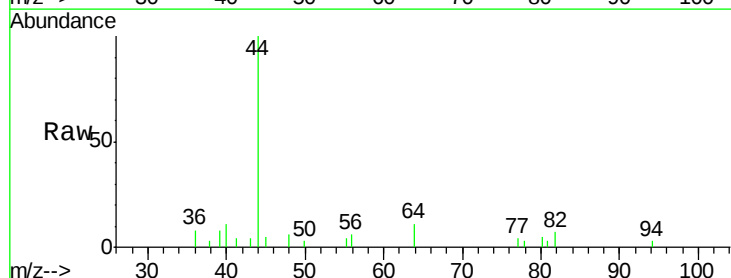
Instrument :
MSVOA_X
ClientSampleId :
DUP-0488-180716

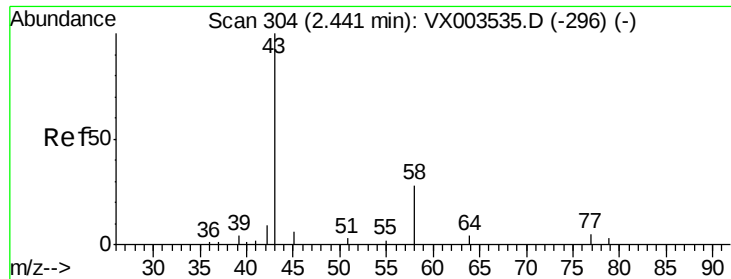
Tgt Ion: 142 Resp: 1587
Ion Ratio Lower Upper
142 100
127 41.3 36.6 55.0
141 12.7 11.3 16.9



#13
Acrolein
Concen: 0.349 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX003597.D
Acq: 23 Jul 2018 12:03

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 209.7 57.0 85.4#





#16

Acetone

Concen: 1.624 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

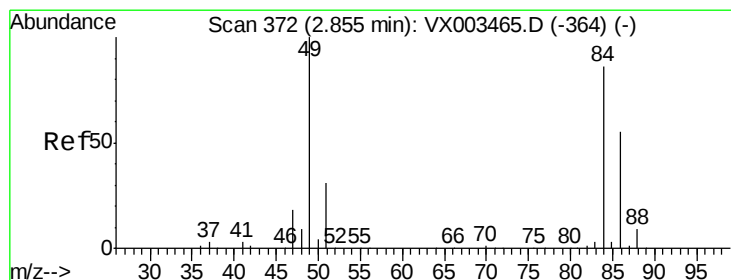
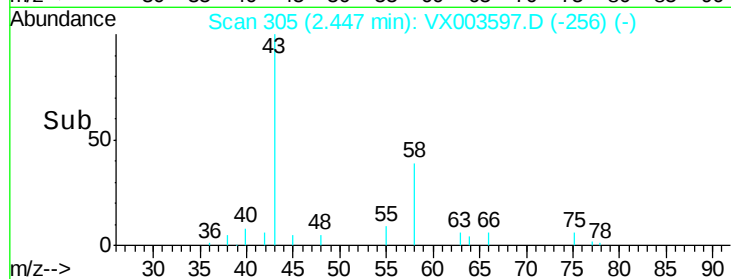
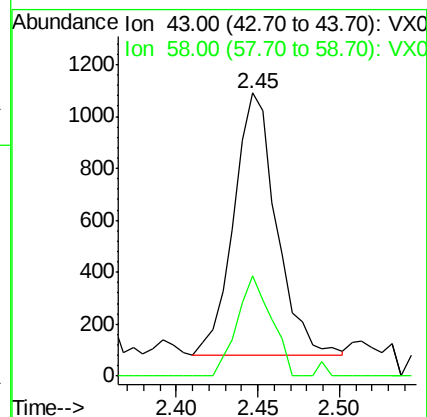
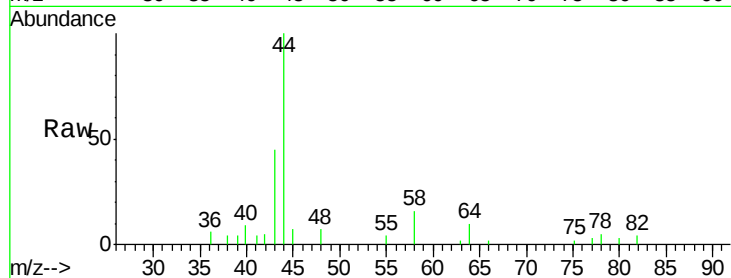
DUP-0488-180716

Tgt Ion: 43 Resp: 1826

Ion Ratio Lower Upper

43 100

58 38.2 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Tgt Ion: 84 Resp: 184

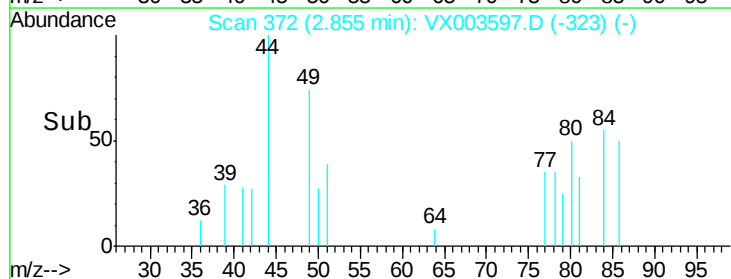
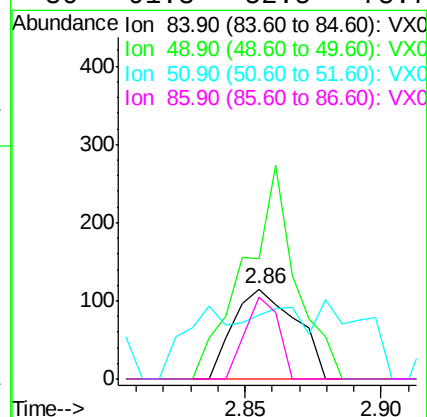
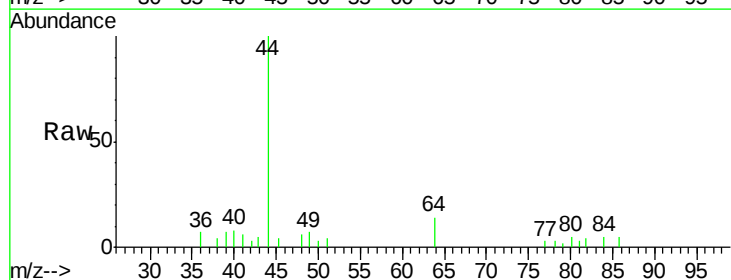
Ion Ratio Lower Upper

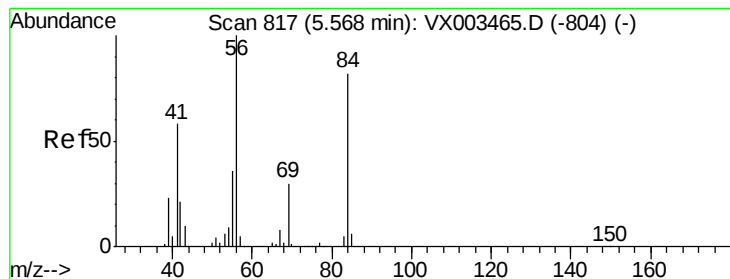
84 100

49 133.9 107.8 161.6

51 13.9 32.8 49.2#

86 91.3 52.5 78.7#





#31

Cyclohexane

Concen: 0.961 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

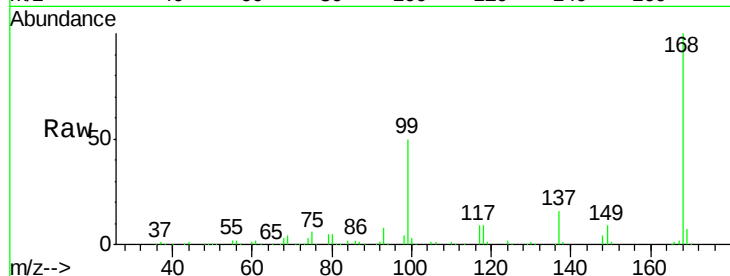
Tgt Ion: 56 Resp: 4309

Ion Ratio Lower Upper

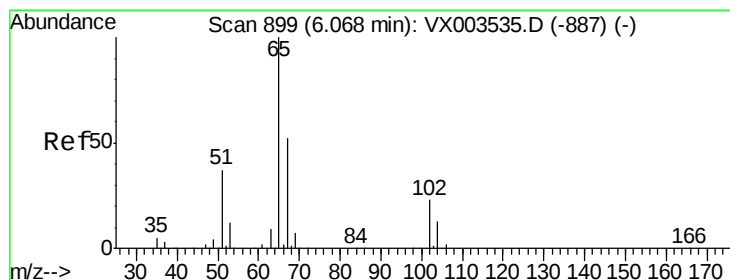
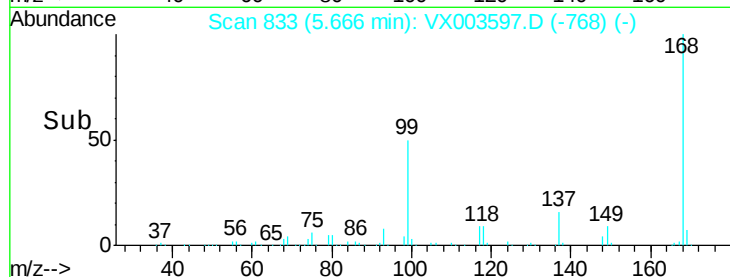
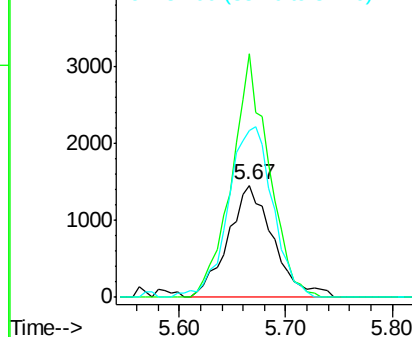
56 100

69 217.9 23.7 35.5#

84 149.5 64.1 96.1#



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: 54.234 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003597.D

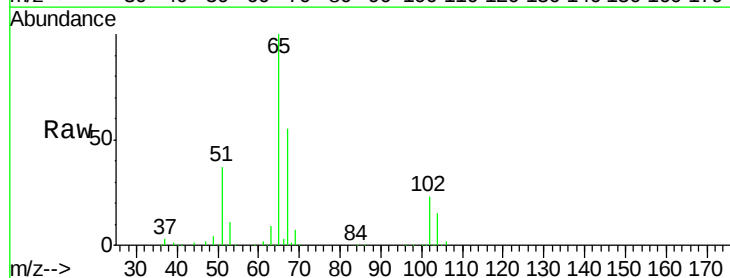
Acq: 23 Jul 2018 12:03

Tgt Ion: 65 Resp: 161432

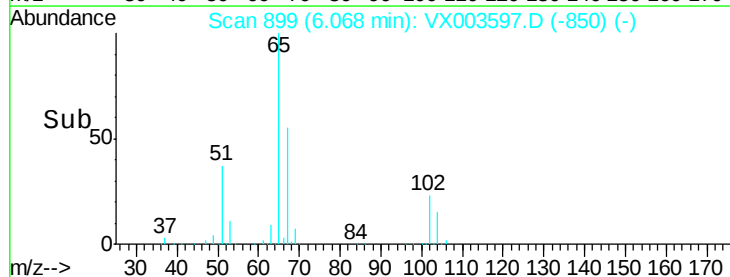
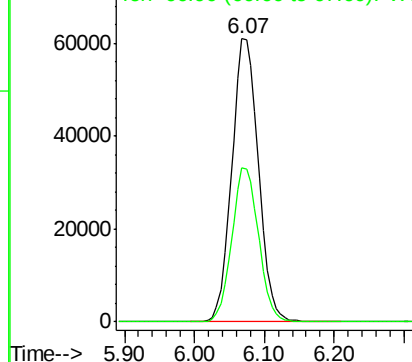
Ion Ratio Lower Upper

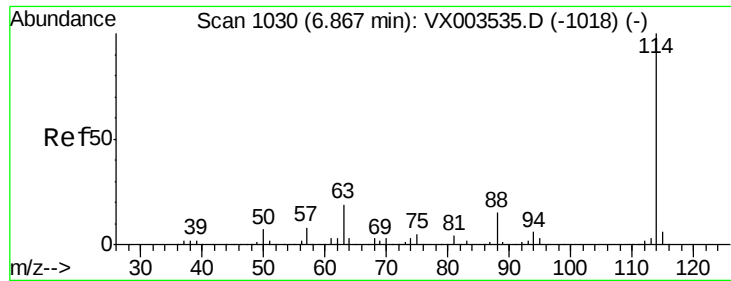
65 100

67 54.6 0.0 102.6



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

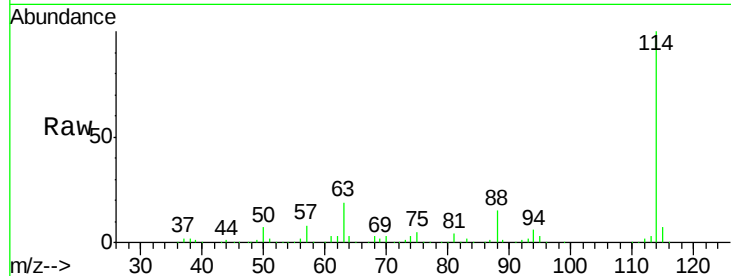




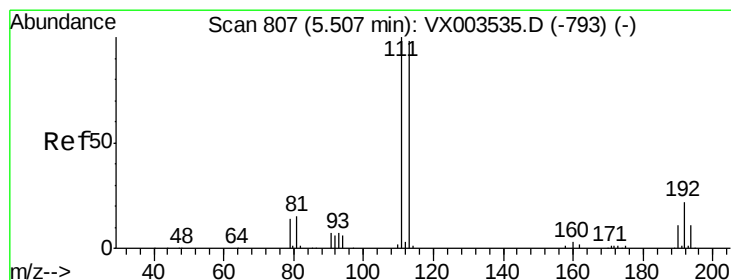
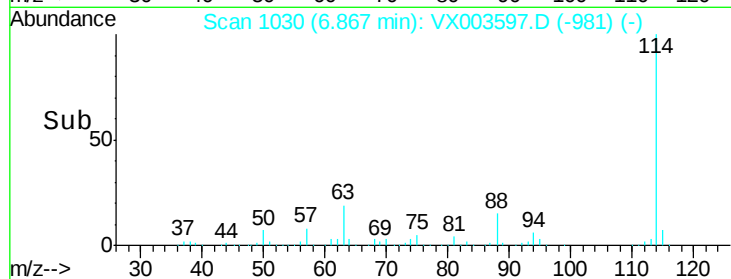
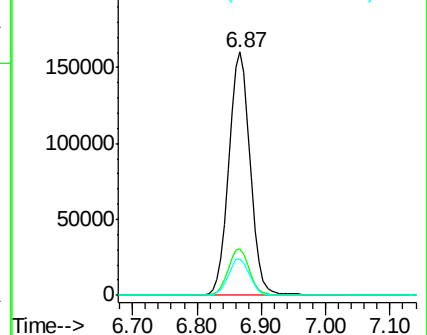
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003597.D
 Acq: 23 Jul 2018 12:03

Instrument :
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Tgt Ion:114 Resp: 377281
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.4
 88 14.9 0.0 30.0

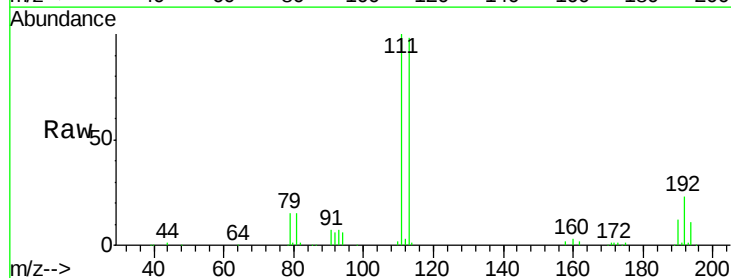


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

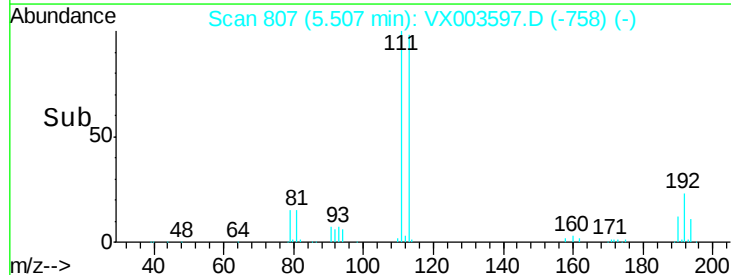
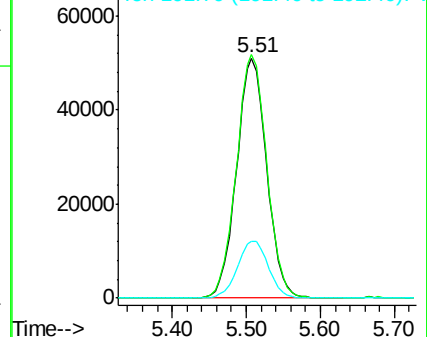


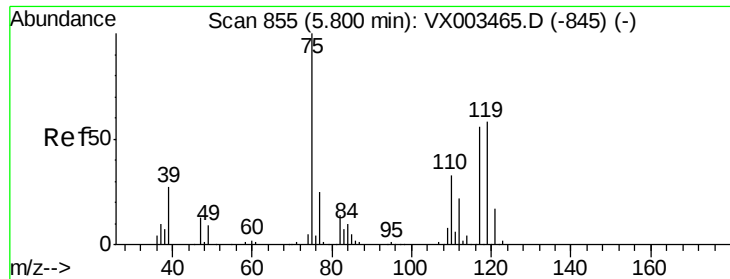
#35
 Dibromofluoromethane
 Concen: 50.299 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003597.D
 Acq: 23 Jul 2018 12:03

Tgt Ion:113 Resp: 144541
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 24.2 19.1 28.7



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

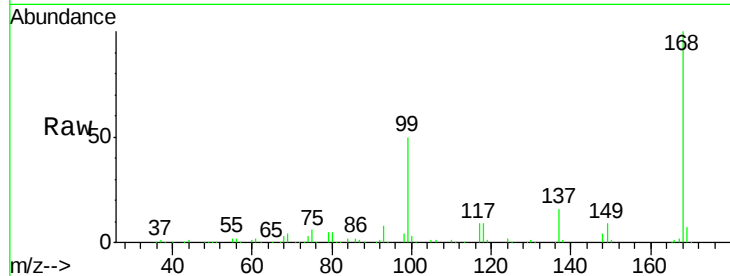




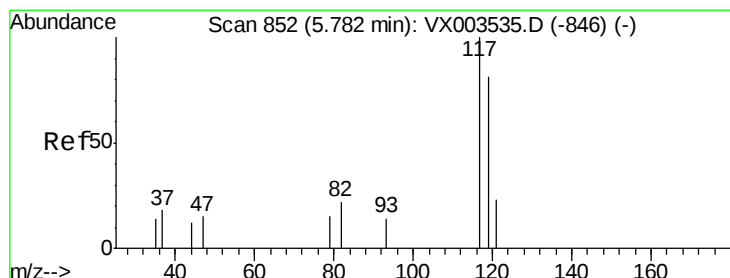
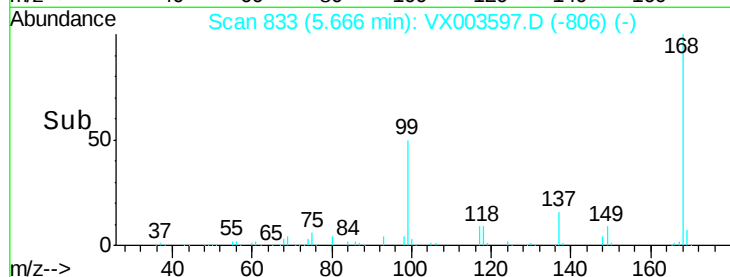
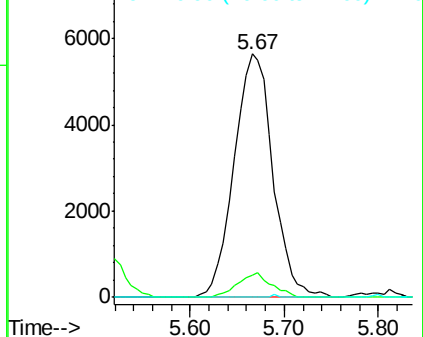
#36
 1,1-Dichloropropene
 Concen: 3.976 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003597.D
 Acq: 23 Jul 2018 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
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Tgt Ion: 75 Resp: 16197
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 24.3 36.5#

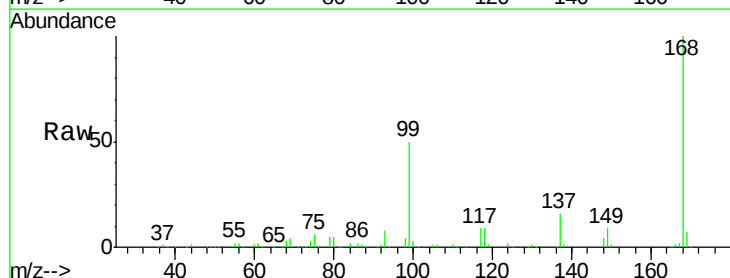


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

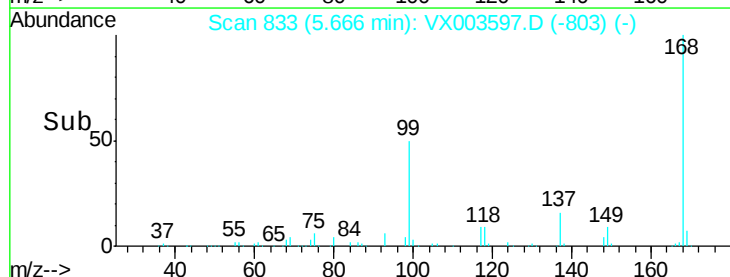
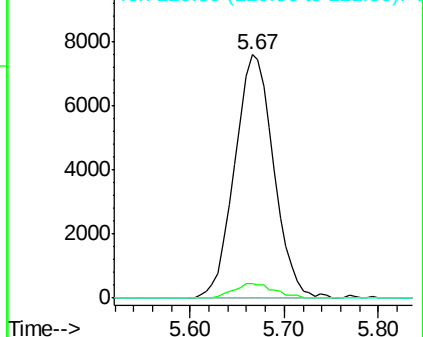


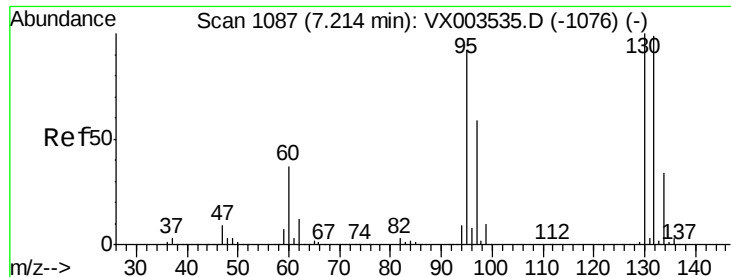
#38
 Carbon Tetrachloride
 Concen: 5.500 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003597.D
 Acq: 23 Jul 2018 12:03

Tgt Ion: 117 Resp: 21977
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.4 116.0#
 121 0.0 24.4 36.6#



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: 0.227 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

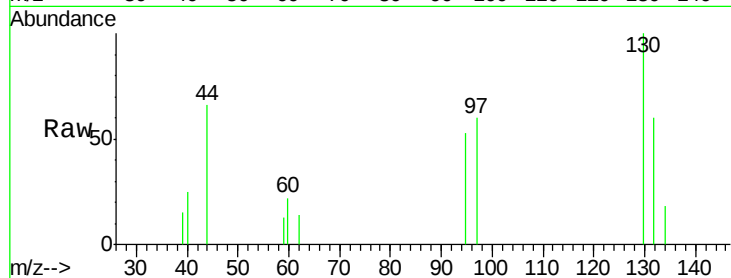
DUP-0488-180716

Tgt Ion:130 Resp: 831

Ion Ratio Lower Upper

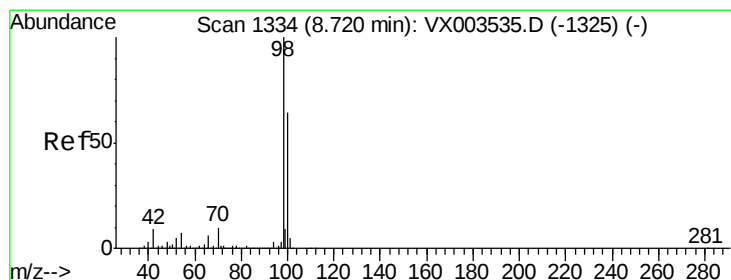
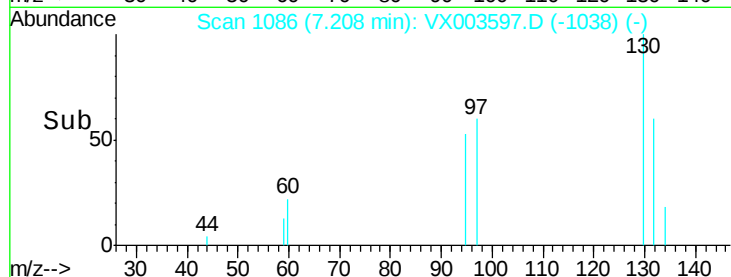
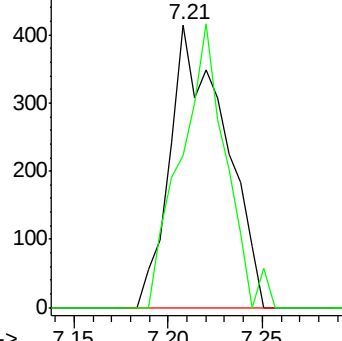
130 100

95 53.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.871 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003597.D

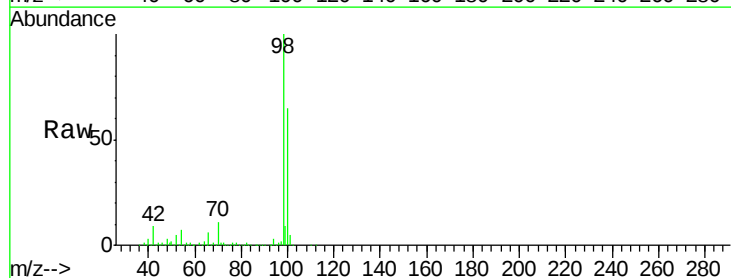
Acq: 23 Jul 2018 12:03

Tgt Ion: 98 Resp: 538657

Ion Ratio Lower Upper

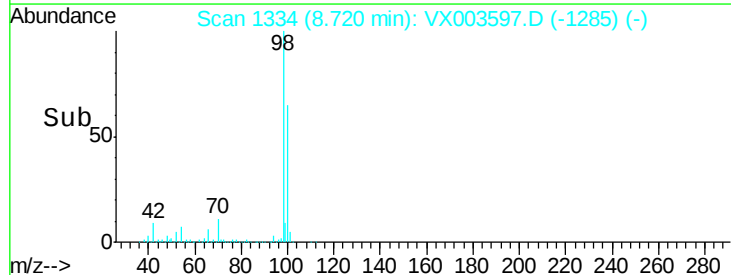
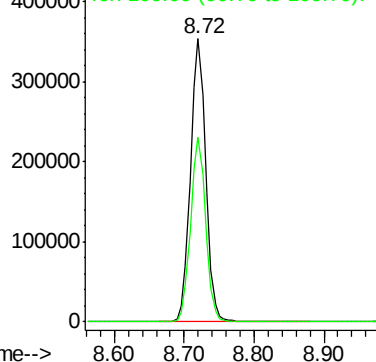
98 100

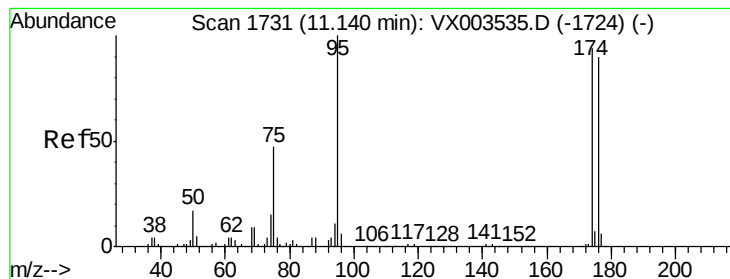
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.659 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

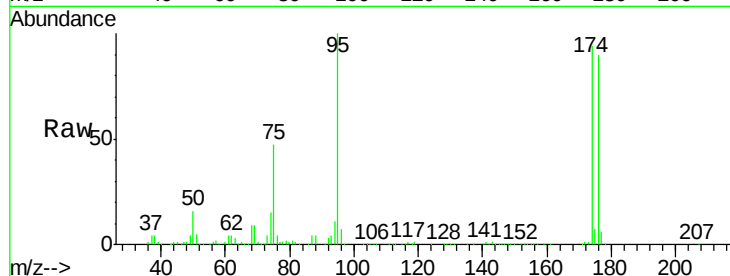
Tgt Ion: 95 Resp: 179975

Ion Ratio Lower Upper

95 100

174 97.4 0.0 187.4

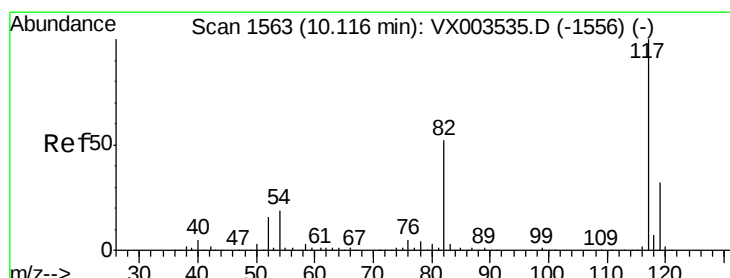
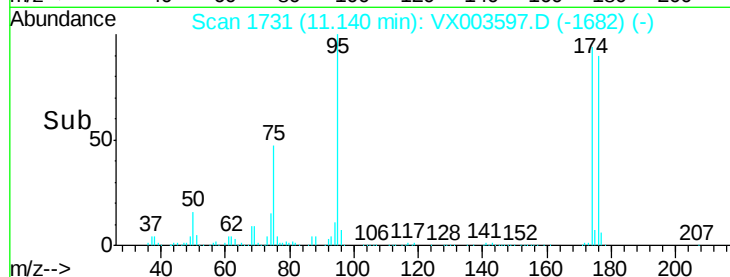
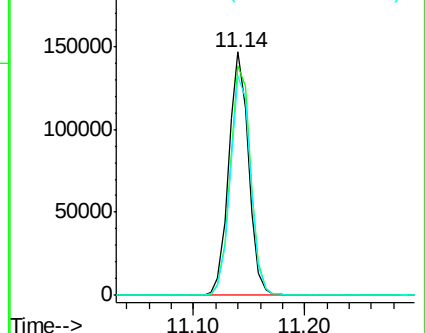
176 93.1 0.0 181.0



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: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

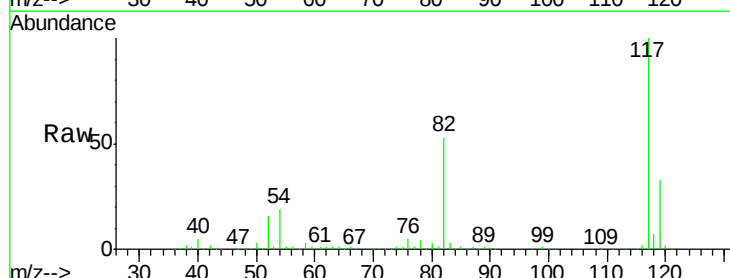
Tgt Ion: 117 Resp: 354618

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

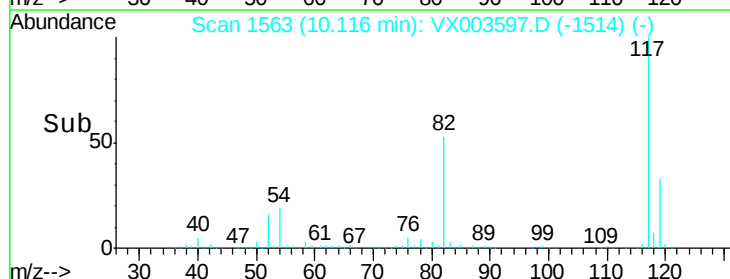
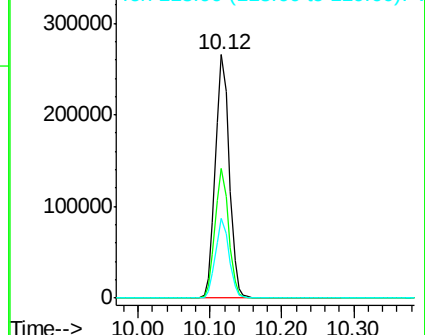
119 32.6 25.8 38.6

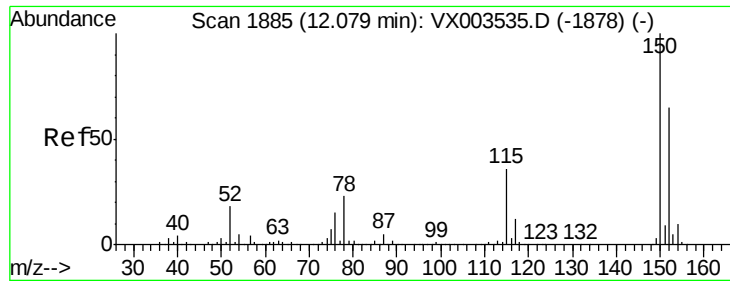


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

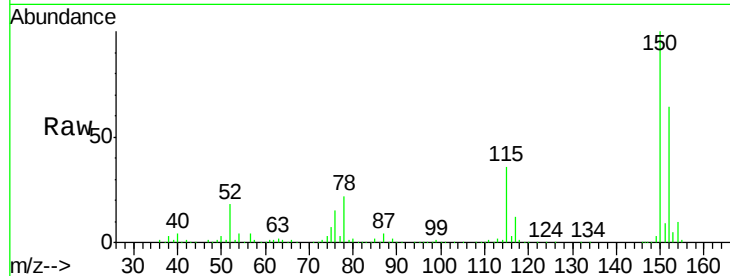
Tgt Ion: 152 Resp: 191010

Ion Ratio Lower Upper

152 100

115 53.9 40.1 120.2

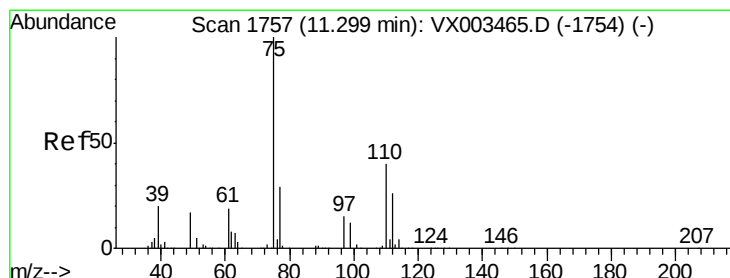
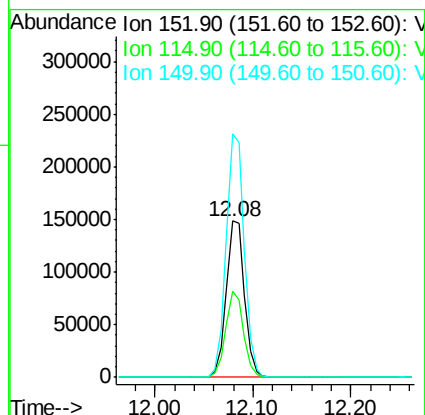
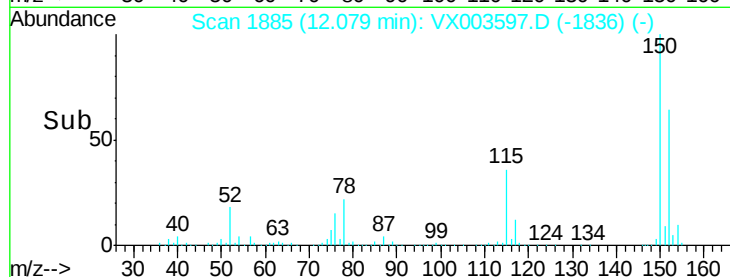
150 155.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.416 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003597.D

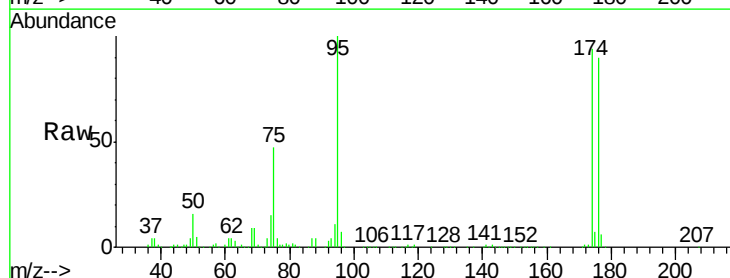
Acq: 23 Jul 2018 12:03

Tgt Ion: 75 Resp: 83784

Ion Ratio Lower Upper

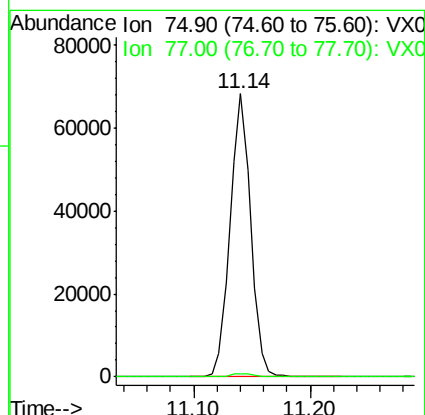
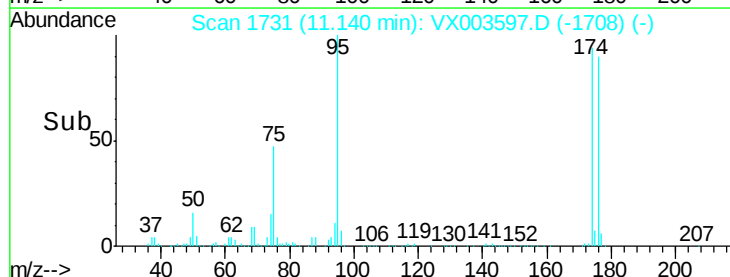
75 100

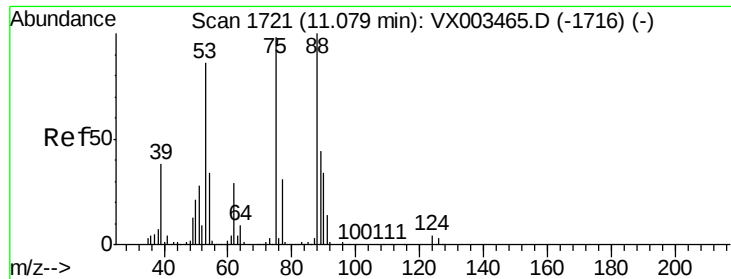
77 1.3 22.8 68.3#



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: 68.430 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003597.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

Tgt Ion: 75 Resp: 83784

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

