

Data File : VX008806.D
Acq On : 10 Apr 2019 15:33
Operator : JC/SP
Sample : K2349-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-0506-190408

Quant Time: Apr 11 05:43:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	205544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336951	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124102	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	138035	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
35) Dibromofluoromethane	5.49	113	100847	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	8.71	98	421375	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	140699	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

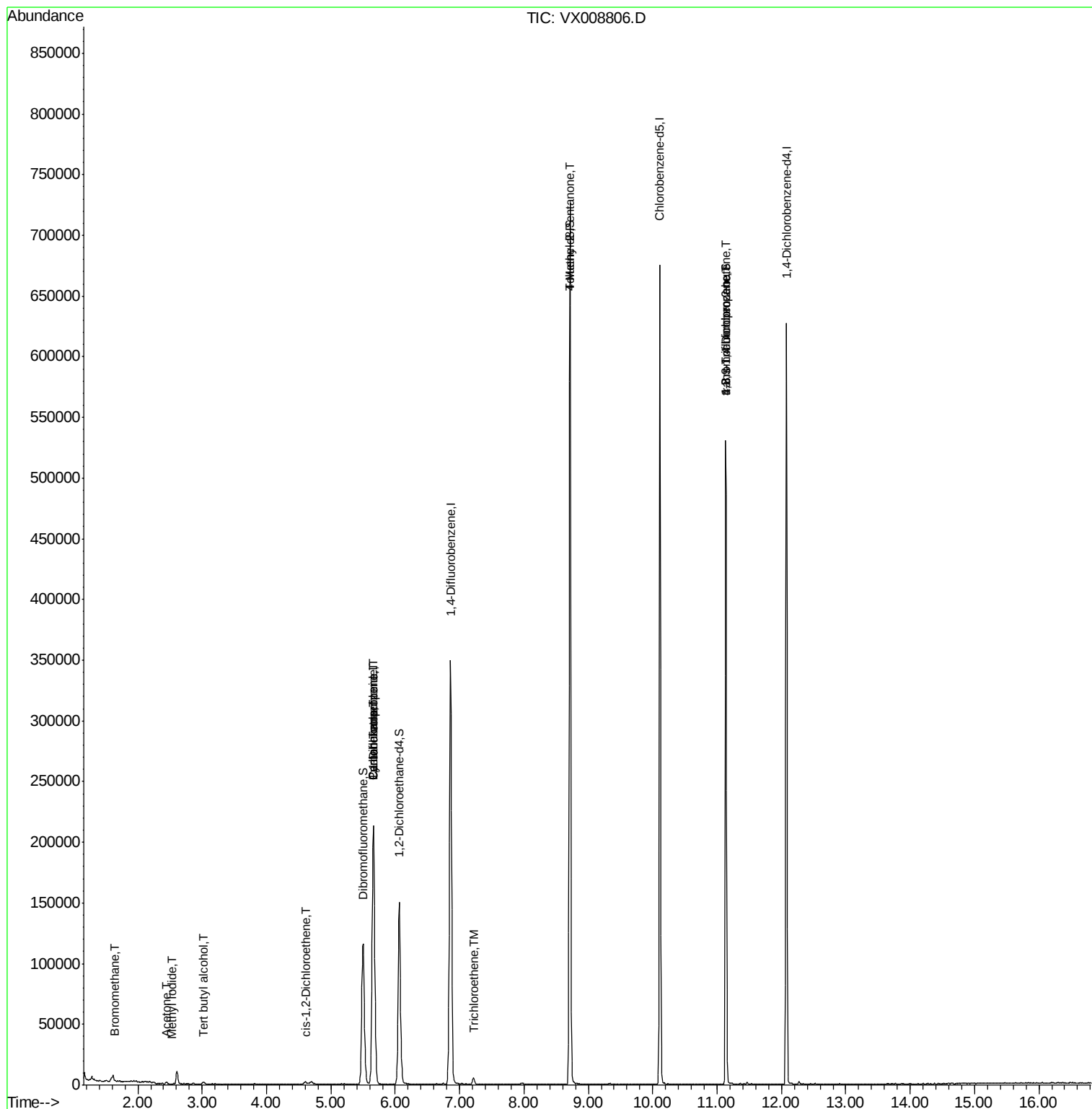
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	776	Below Cal		99
5) Bromomethane	1.64	94	294	2.065 ug/l		92
6) Chloroethane	1.69	64	54	Below Cal	#	43
10) Methyl Iodide	2.52	142	64	4.031 ug/l	#	42
11) Tert butyl alcohol	3.02	59	1230	1.752 ug/l	#	77
16) Acetone	2.44	43	1969	1.140 ug/l		96
17) Carbon Disulfide	2.57	76	619	Below Cal	#	75
27) cis-1,2-Dichloroethene	4.60	96	1227	0.415 ug/l		91
28) Bromochloromethane	5.01	49	23	Below Cal	#	22
31) Cyclohexane	5.67	56	4613	0.891 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	16638	4.517 ug/l	#	51
38) Carbon Tetrachloride	5.66	117	19407	6.366 ug/l	#	16
44) Trichloroethene	7.22	130	1944	0.761 ug/l		73
51) 4-Methyl-2-Pentanone	8.71	43	2338	0.472 ug/l	#	1
76) 1,2,3-Trichloropropane	11.13	75	71901	21.090 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71901	58.136 ug/l	#	9

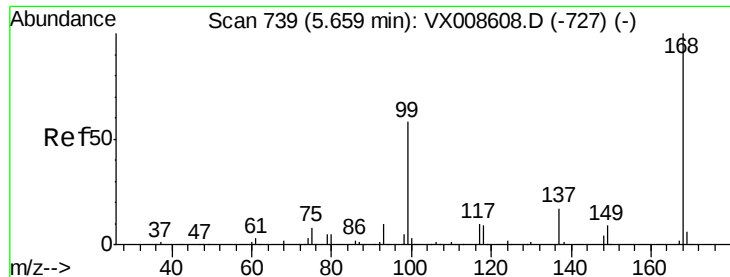
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008806.D

Acq: 10 Apr 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

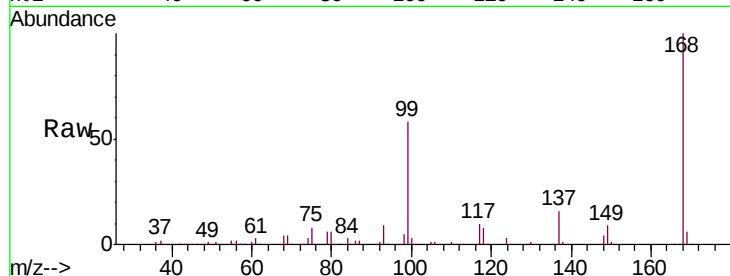
DUP-0506-190408

Tgt Ion:168 Resp: 205544

Ion Ratio Lower Upper

168 100

99 57.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

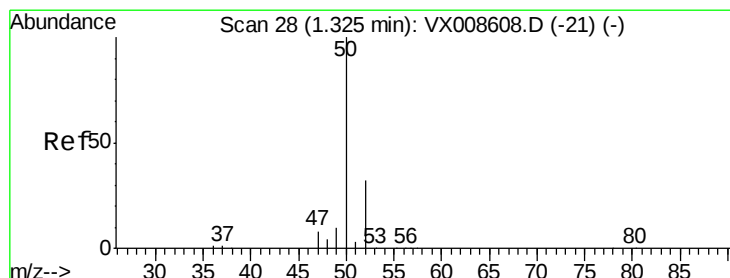
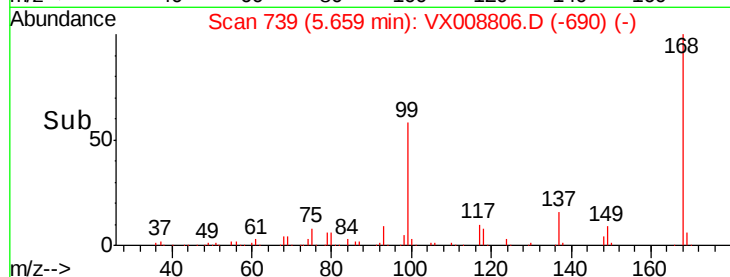
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008806.D

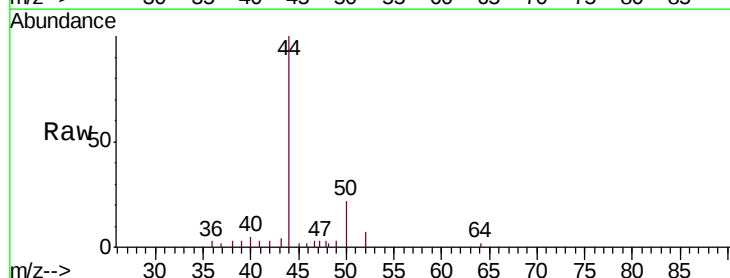
Acq: 10 Apr 2019 15:33

Tgt Ion: 50 Resp: 776

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

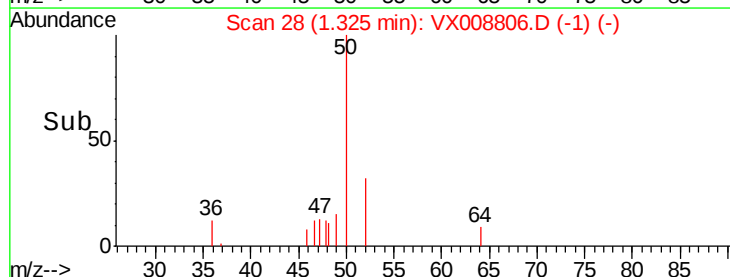
400

200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.065 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008806.D

Acq: 10 Apr 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

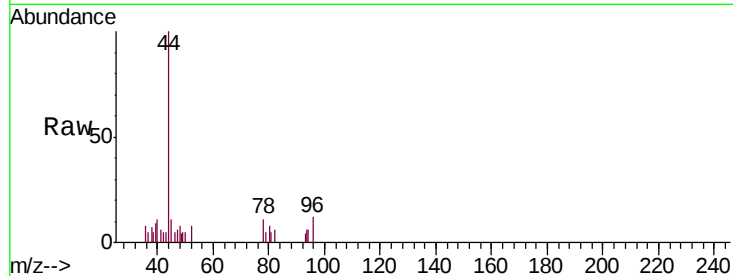
DUP-0506-190408

Tgt Ion: 94 Resp: 294

Ion Ratio Lower Upper

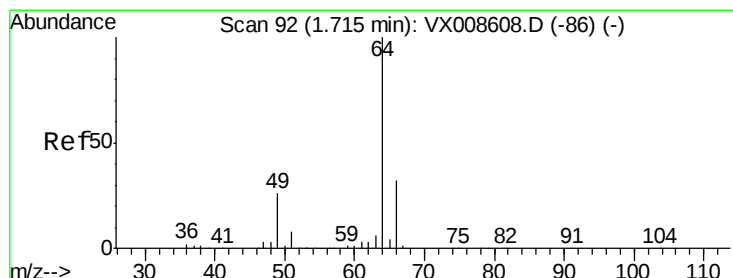
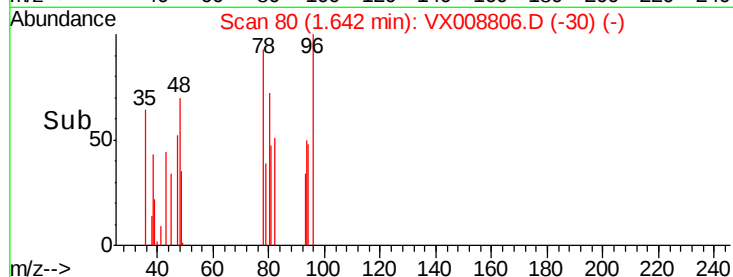
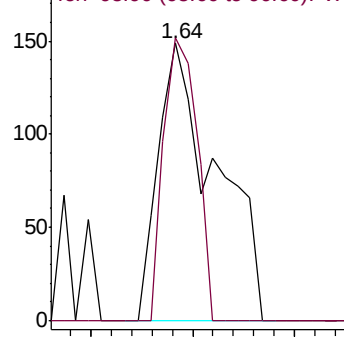
94 100

96 102.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX008806.D

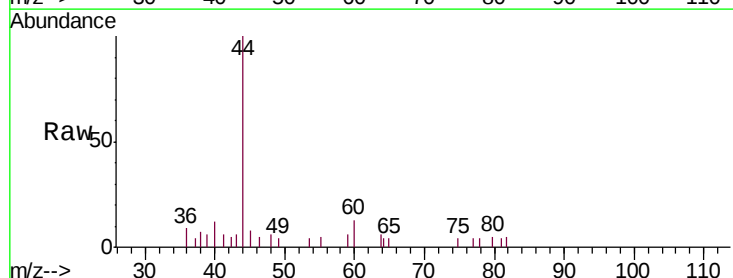
Acq: 10 Apr 2019 15:33

Tgt Ion: 64 Resp: 54

Ion Ratio Lower Upper

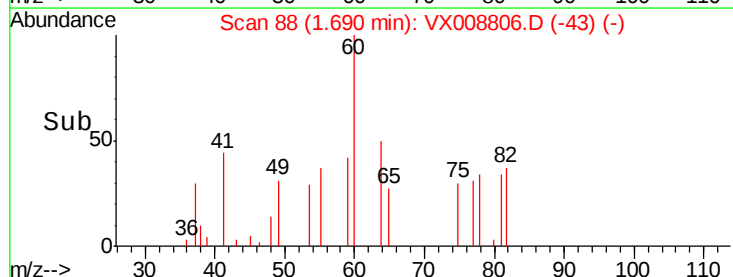
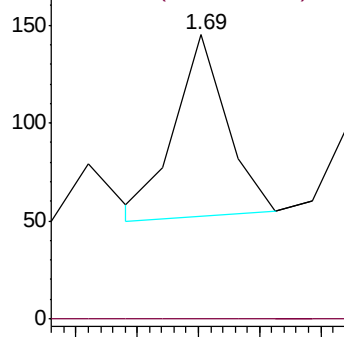
64 100

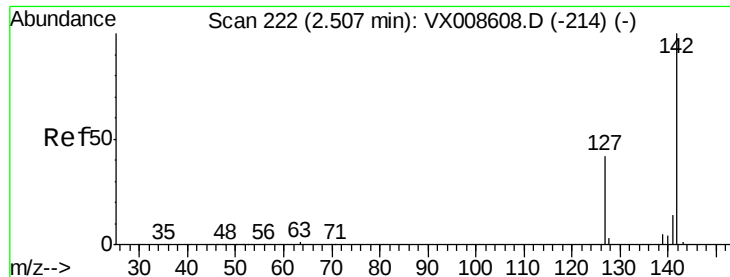
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

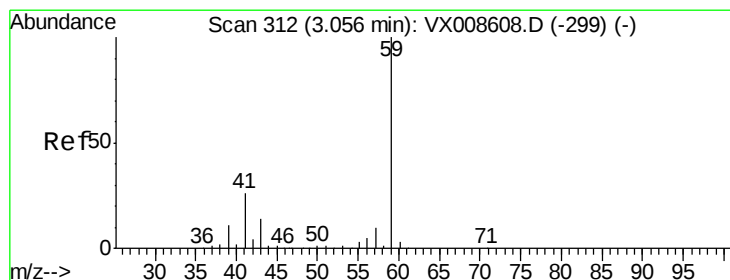
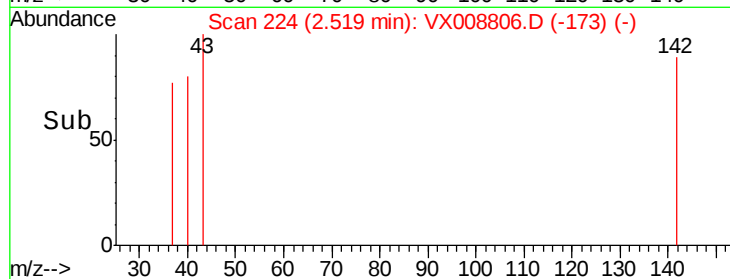
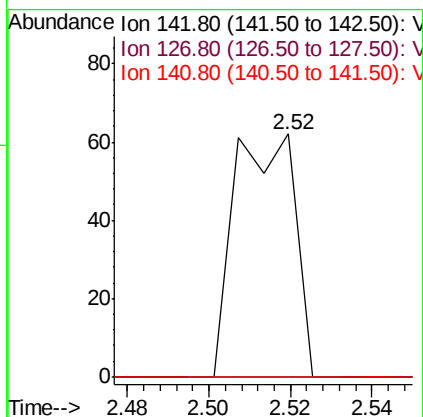
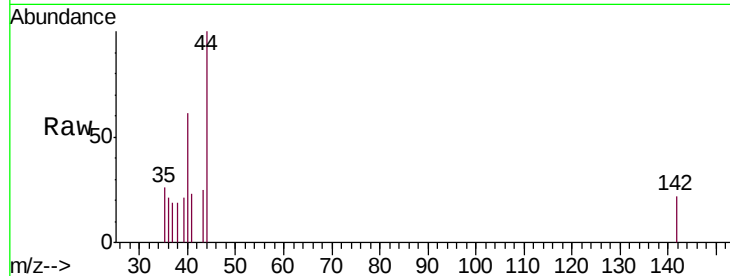




#10
Methyl Iodide
Concen: 4.031 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008806.D
Acq: 10 Apr 2019 15:33

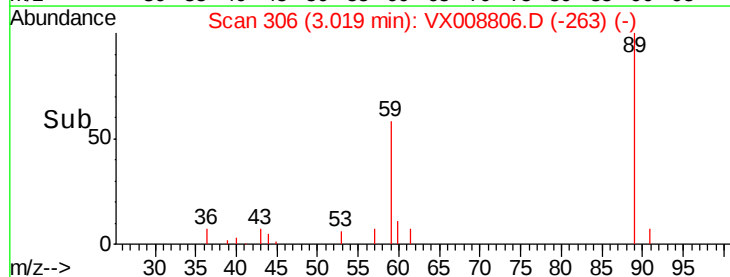
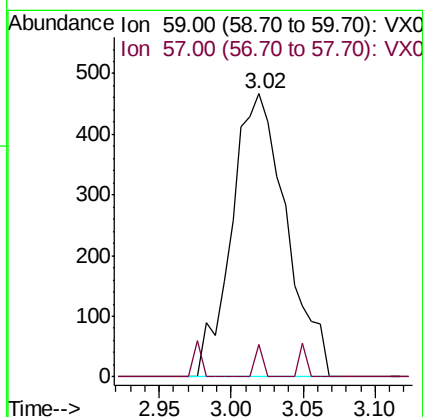
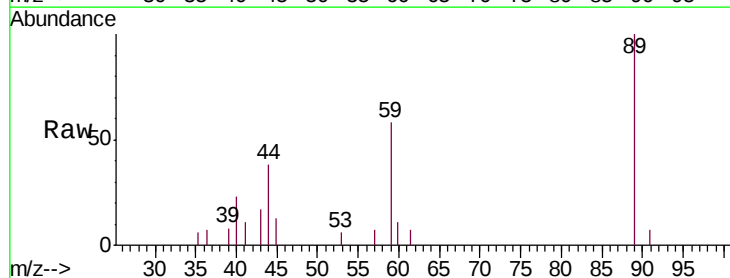
Instrument :
MSVOA_X
ClientSampleId :
DUP-0506-190408

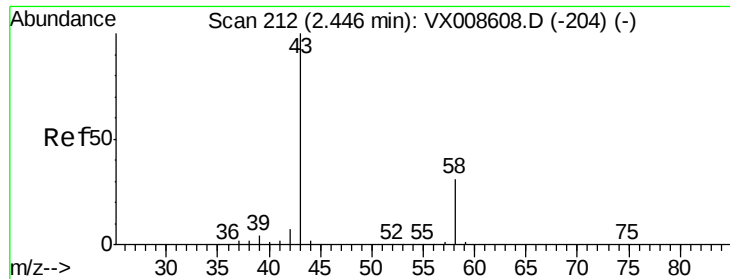
Tgt Ion: 142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.752 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008806.D
Acq: 10 Apr 2019 15:33

Tgt Ion: 59 Resp: 1230
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#





#16

Acetone

Concen: 1.140 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008806.D

Acq: 10 Apr 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

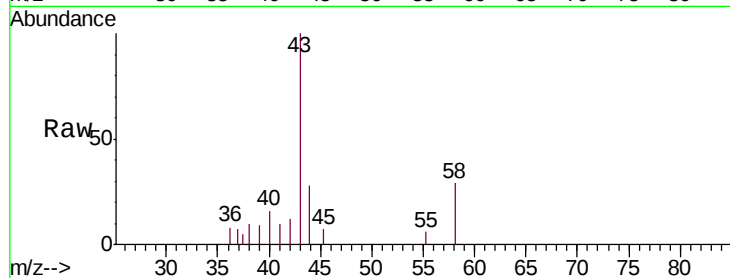
DUP-0506-190408

Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

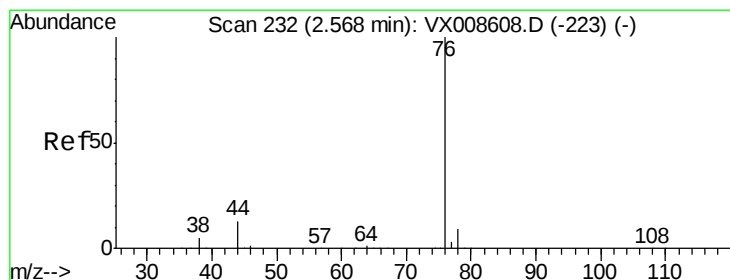
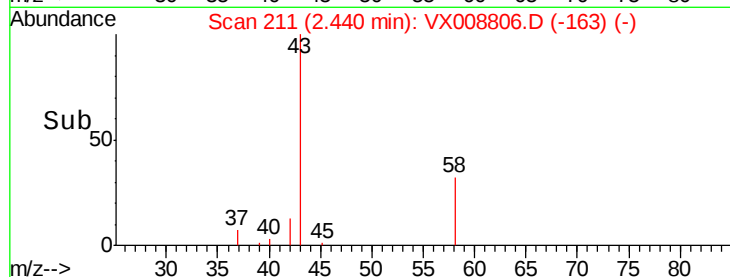
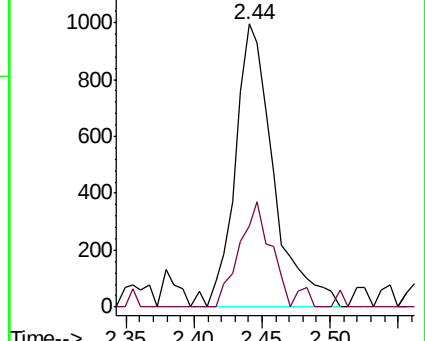
43 100

58 28.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008806.D

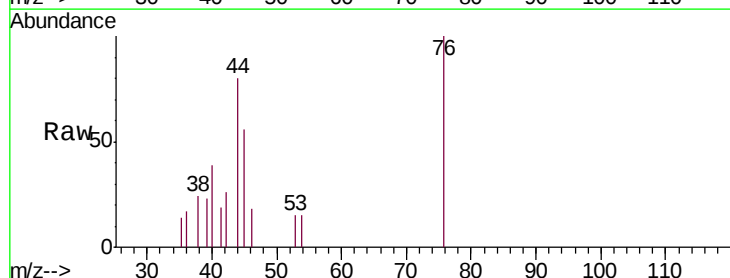
Acq: 10 Apr 2019 15:33

Tgt Ion: 76 Resp: 619

Ion Ratio Lower Upper

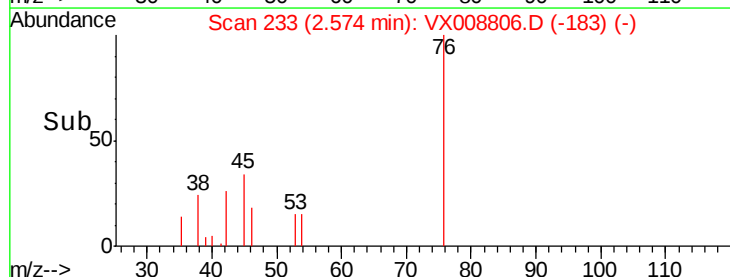
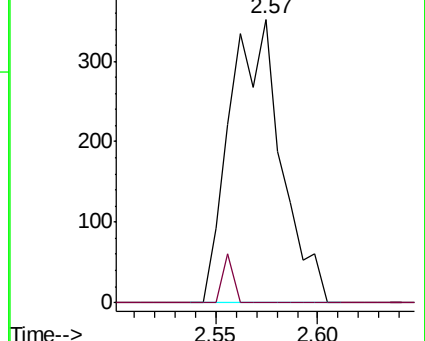
76 100

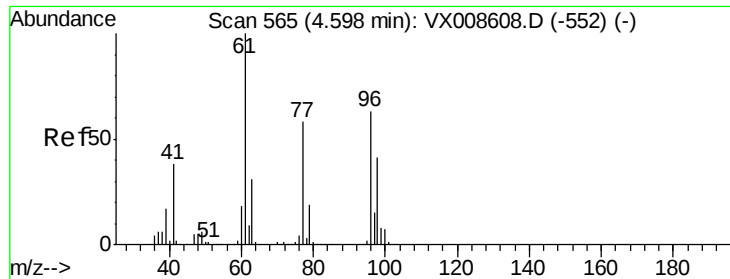
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



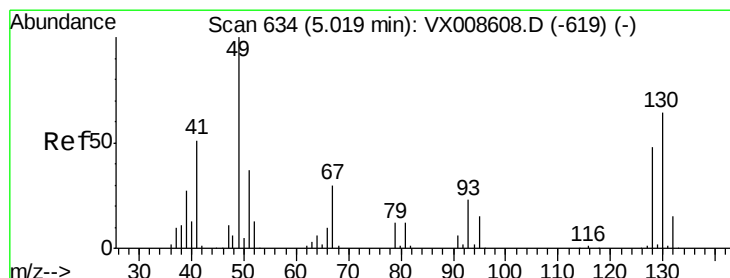
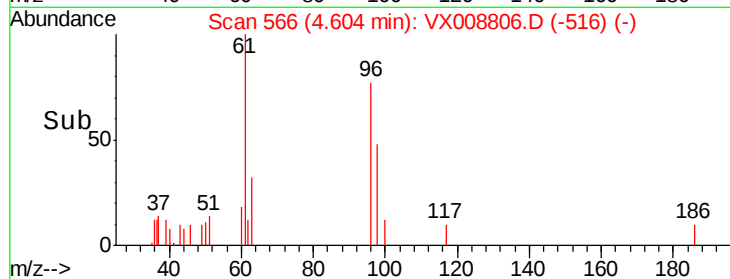
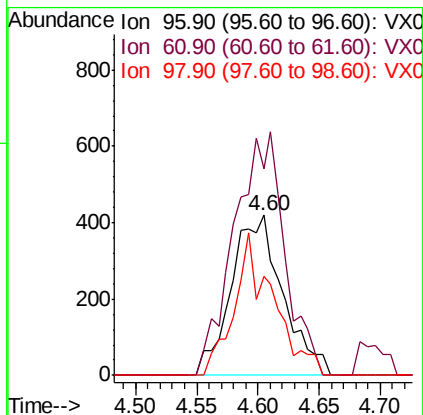
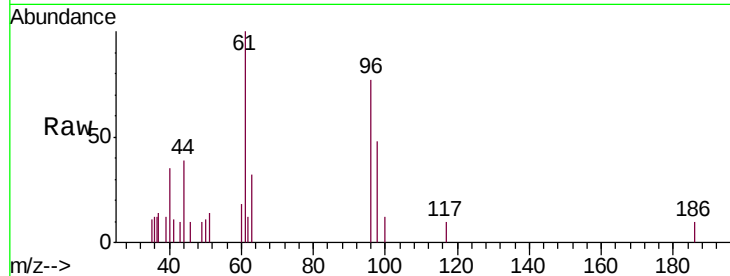


#27

cis-1,2-Dichloroethene
 Concen: 0.415 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0506-190408

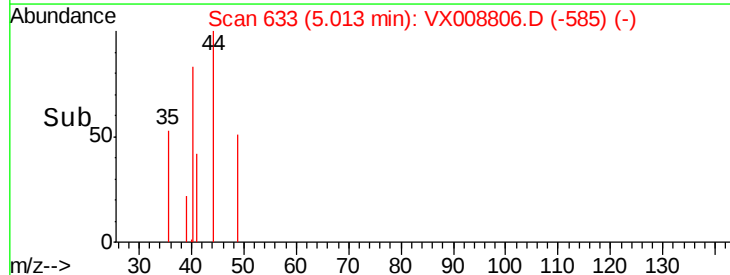
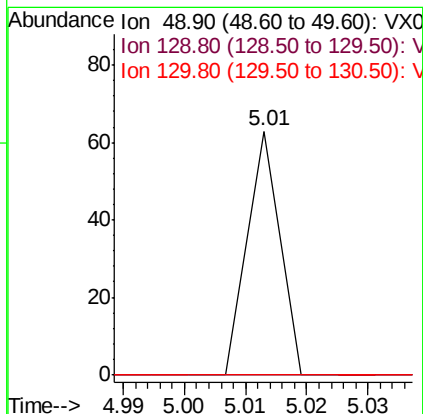
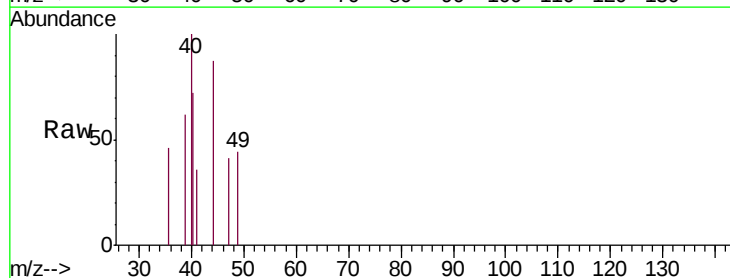
Tgt Ion: 96 Resp: 1227
 Ion Ratio Lower Upper
 96 100
 61 149.1 0.0 327.6
 98 67.4 0.0 128.6

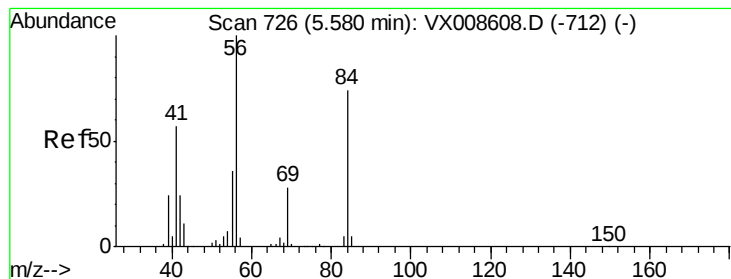


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Tgt Ion: 49 Resp: 23
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 49.3 73.9#





#31

Cyclohexane

Concen: 0.891 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008806.D

Acq: 10 Apr 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

DUP-0506-190408

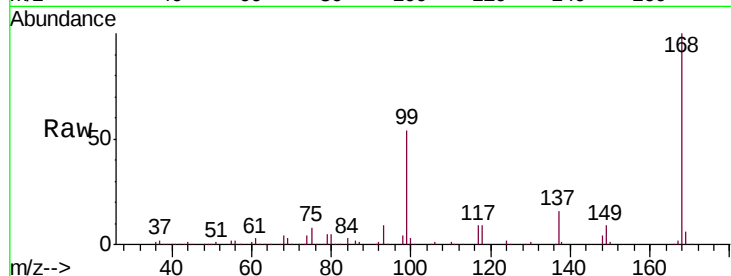
Tgt Ion: 56 Resp: 4613

Ion Ratio Lower Upper

56 100

69 156.7 22.6 33.8#

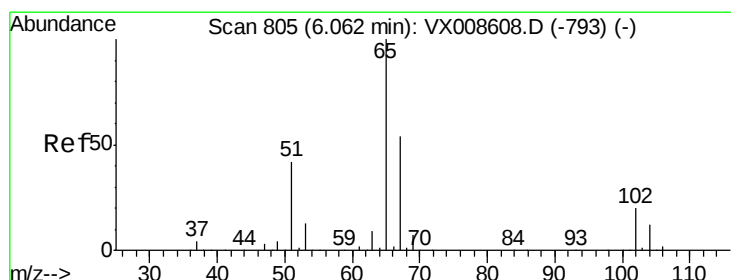
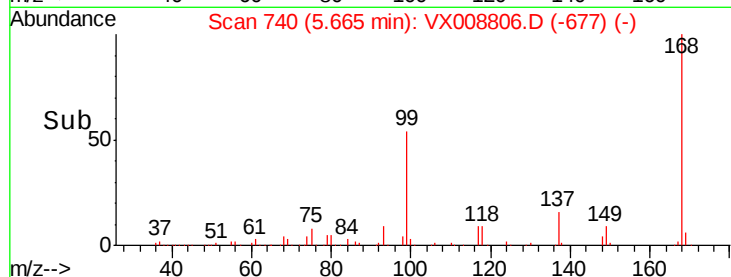
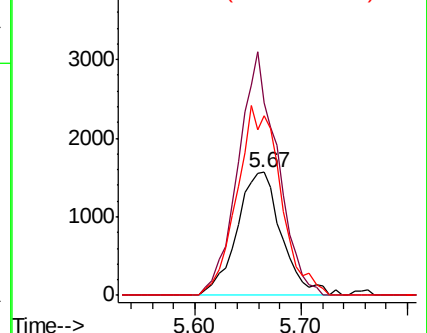
84 146.7 59.3 88.9#



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: 46.043 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008806.D

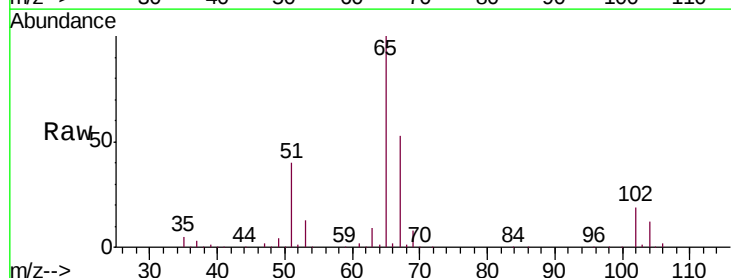
Acq: 10 Apr 2019 15:33

Tgt Ion: 65 Resp: 138035

Ion Ratio Lower Upper

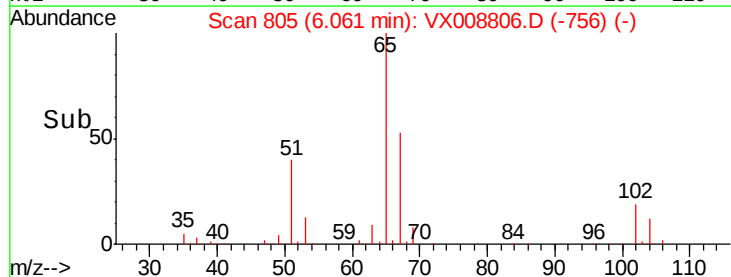
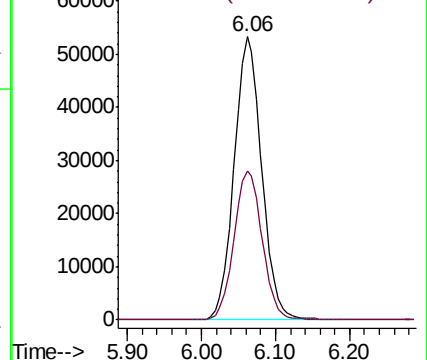
65 100

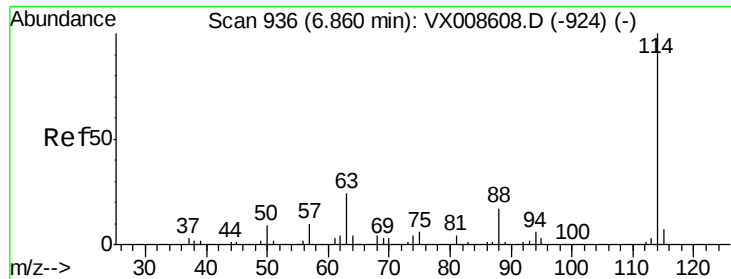
67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

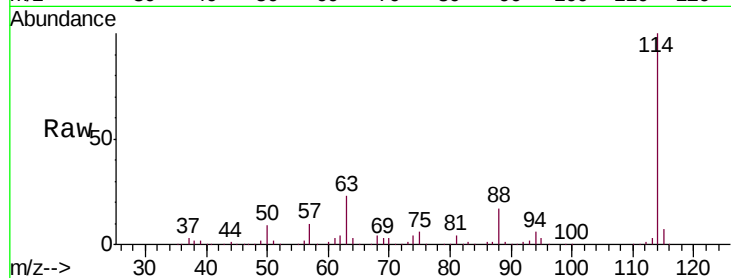




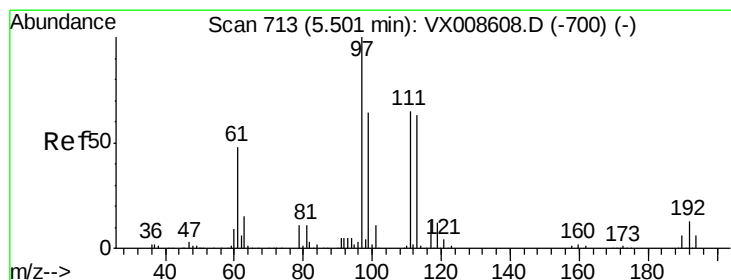
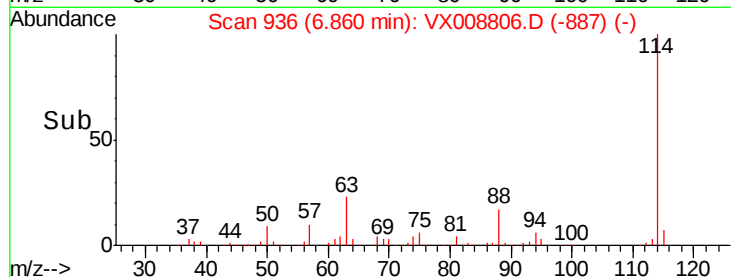
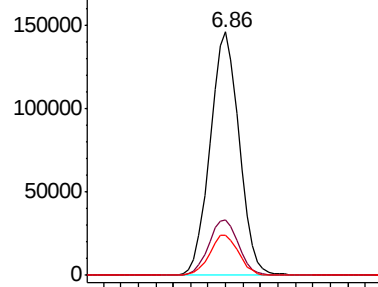
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0506-190408

Tgt Ion:114 Resp: 336951
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 16.7 0.0 34.0

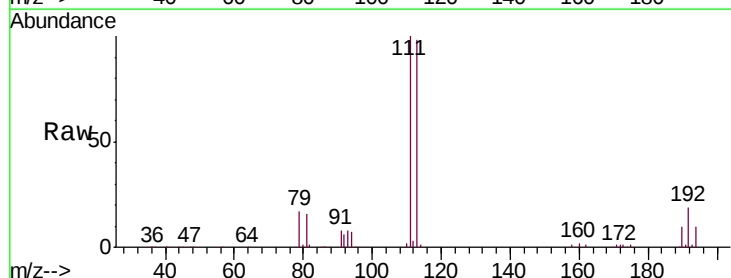


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

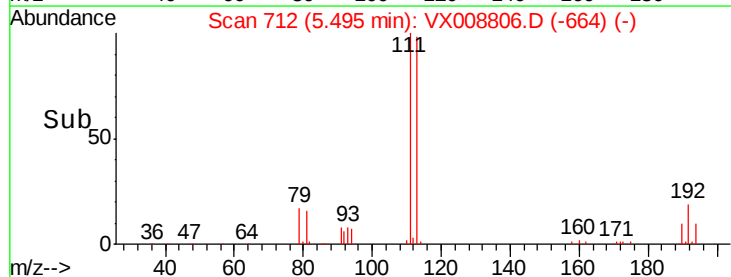
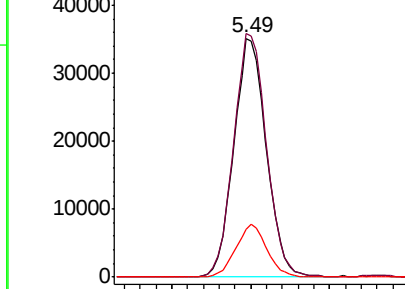


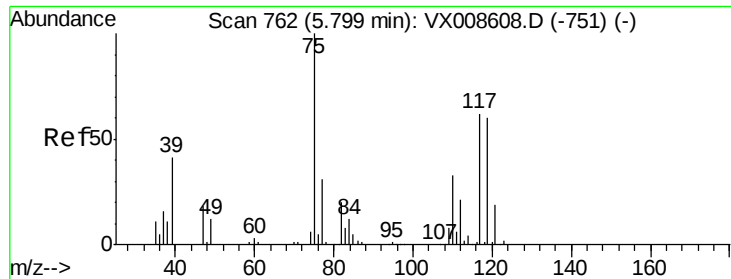
#35
 Dibromofluoromethane
 Concen: 46.811 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Tgt Ion:113 Resp: 100847
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.2
 192 20.9 16.1 24.1



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: 4.517 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008806.D

Acq: 10 Apr 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

DUP-0506-190408

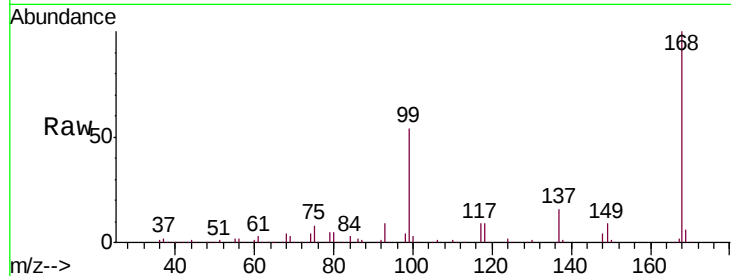
Tgt Ion: 75 Resp: 16638

Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.2#

77 0.0 24.7 37.1#

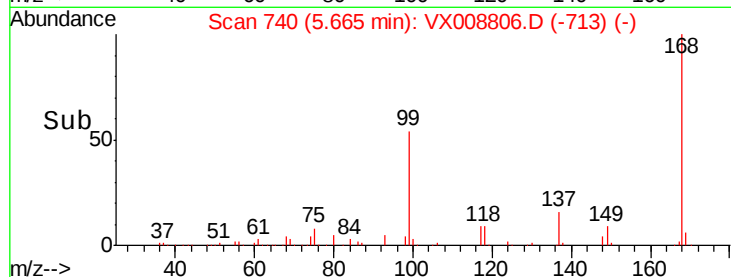


Abundance Ion 74.90 (74.60 to 75.60): VX008806.D (-713) (-)

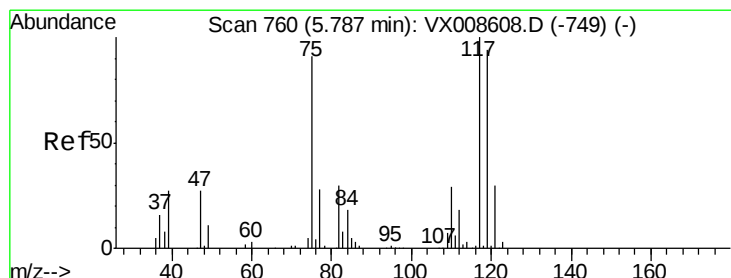
Ion 109.90 (109.60 to 110.60): VX008806.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX008806.D (-713) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.366 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008806.D

Acq: 10 Apr 2019 15:33

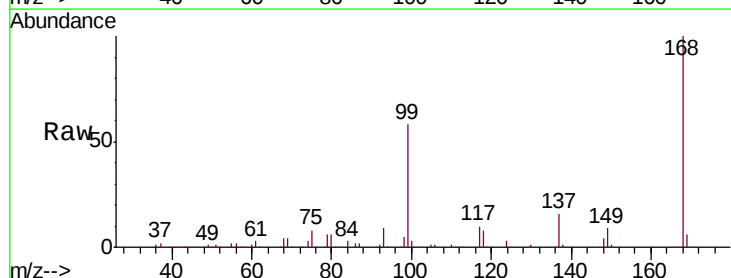
Tgt Ion: 117 Resp: 19407

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

121 0.0 24.3 36.5#

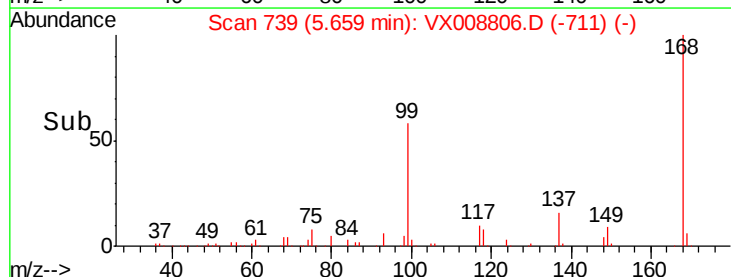


Abundance Ion 116.80 (116.50 to 117.50): VX008806.D (-711) (-)

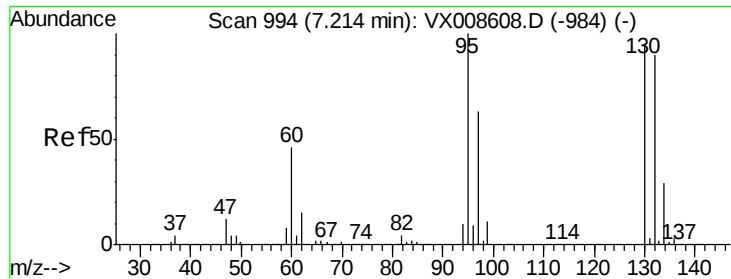
Ion 118.80 (118.50 to 119.50): VX008806.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX008806.D (-711) (-)

Time-->



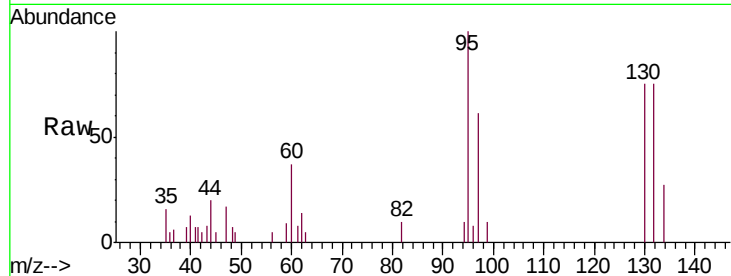
Time-->



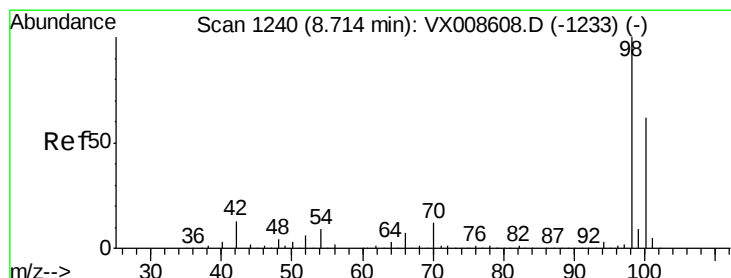
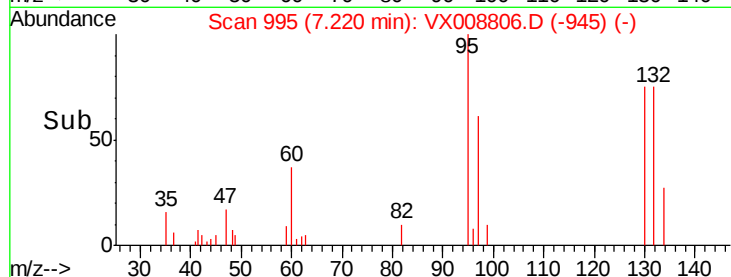
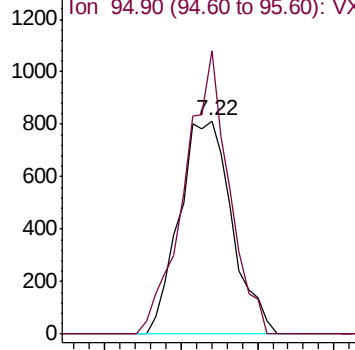
#44
 Trichloroethene
 Concen: 0.761 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0506-190408

Tgt Ion:130 Resp: 1944
 Ion Ratio Lower Upper
 130 100
 95 132.6 0.0 209.8

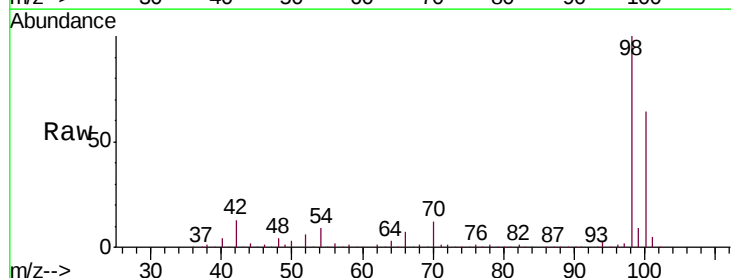


Abundance Ion 129.80 (129.50 to 130.50): VX0
 Ion 94.90 (94.60 to 95.60): VX0

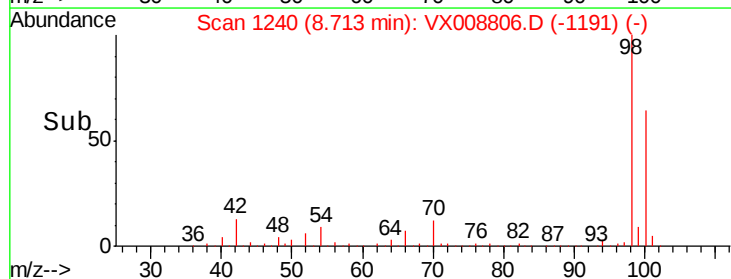
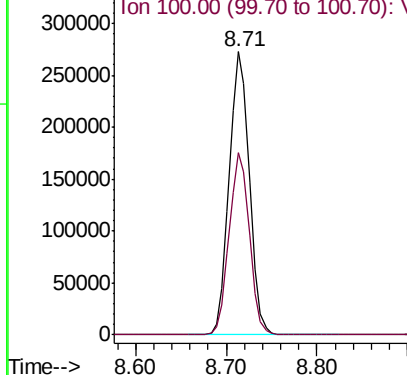


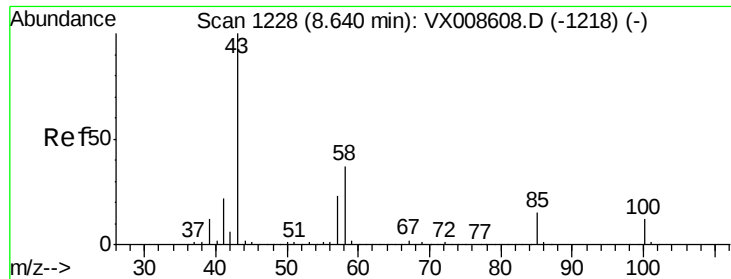
#50
 Toluene-d8
 Concen: 49.123 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Tgt Ion: 98 Resp: 421375
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0

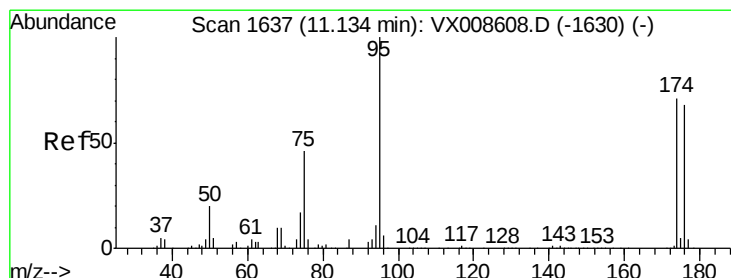
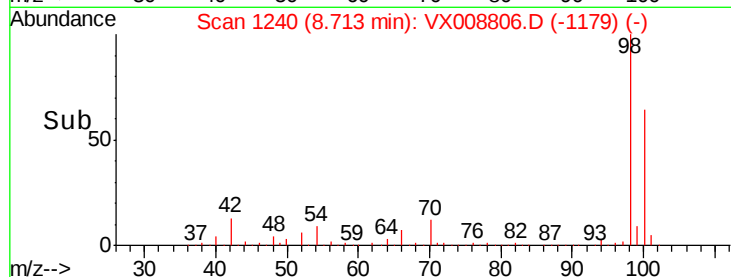
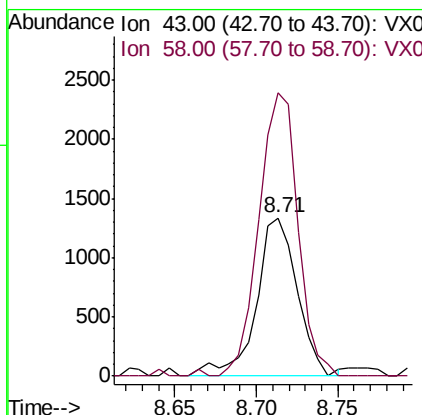
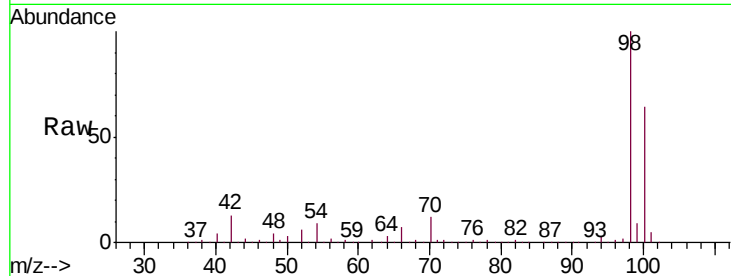




#51
 4-Methyl-2-Pentanone
 Concen: 0.472 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.07 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

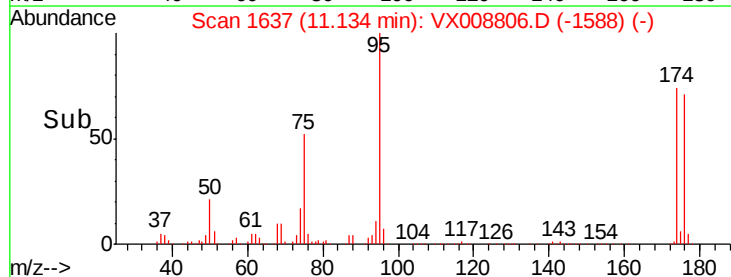
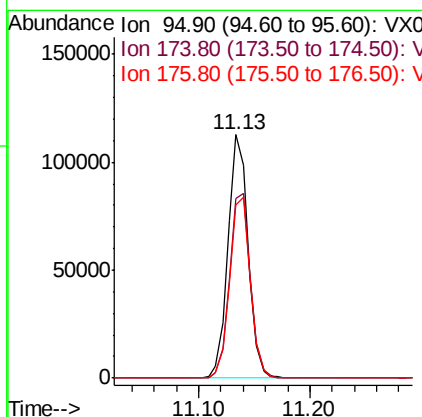
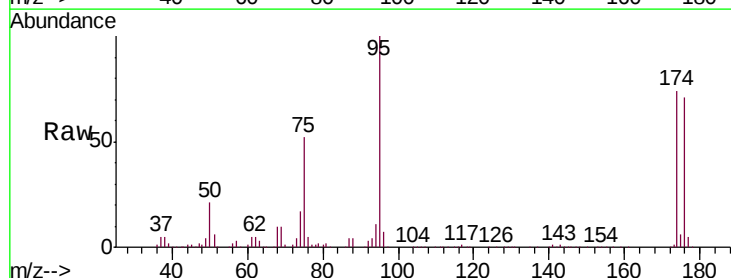
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0506-190408

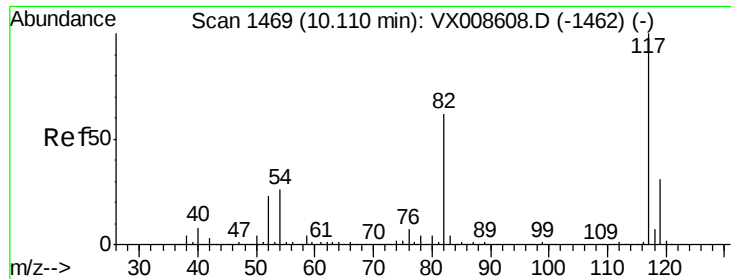
Tgt Ion: 43 Resp: 2338
 Ion Ratio Lower Upper
 43 100
 58 169.1 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 46.254 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Tgt Ion: 95 Resp: 140699
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 151.8
 176 76.4 0.0 145.8

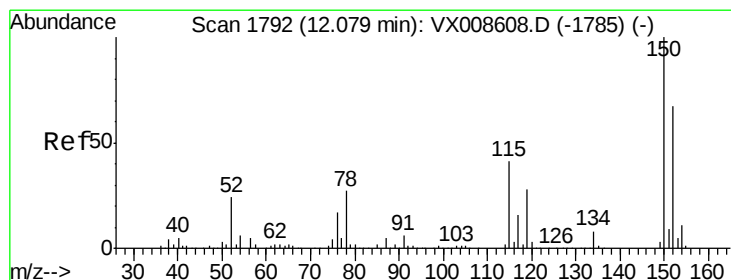
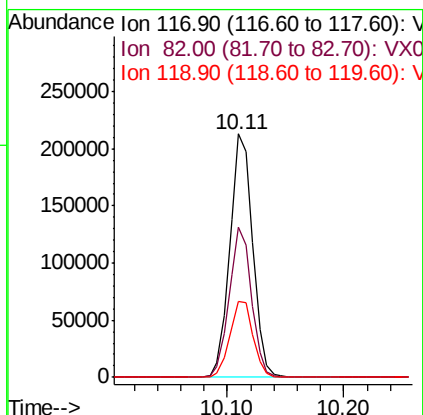
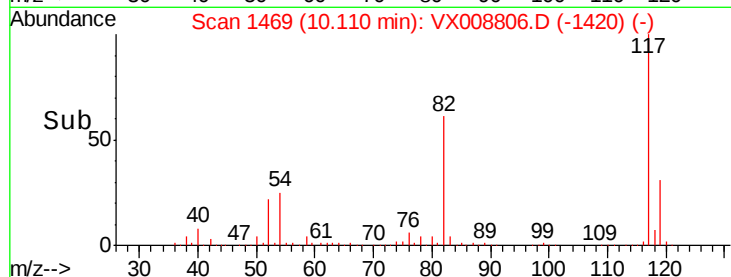
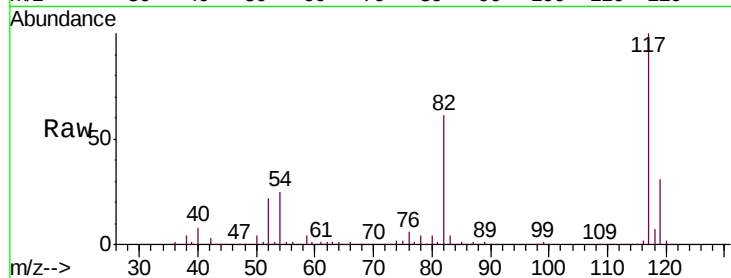




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008806.D
Acq: 10 Apr 2019 15:33

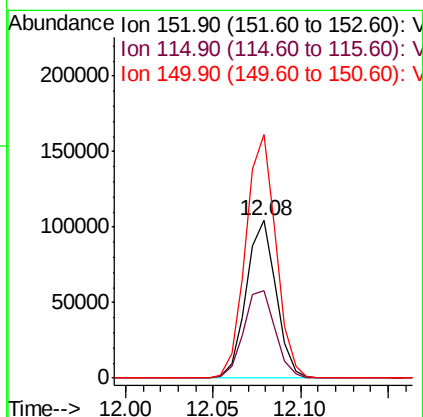
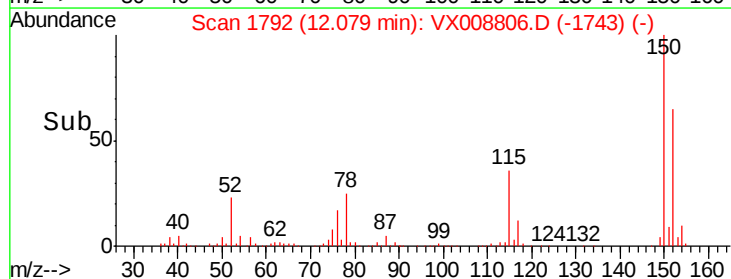
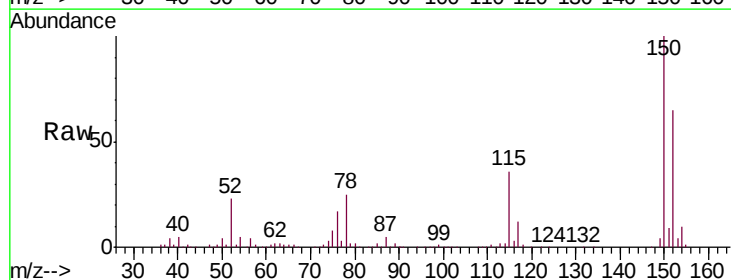
Instrument :
MSVOA_X
ClientSampleId :
DUP-0506-190408

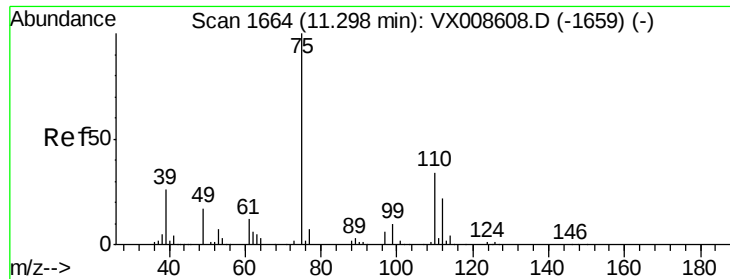
Tgt Ion:117 Resp: 290805
Ion Ratio Lower Upper
117 100
82 61.5 49.6 74.4
119 31.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008806.D
Acq: 10 Apr 2019 15:33

Tgt Ion:152 Resp: 124102
Ion Ratio Lower Upper
152 100
115 59.0 43.5 130.5
150 156.5 0.0 348.8

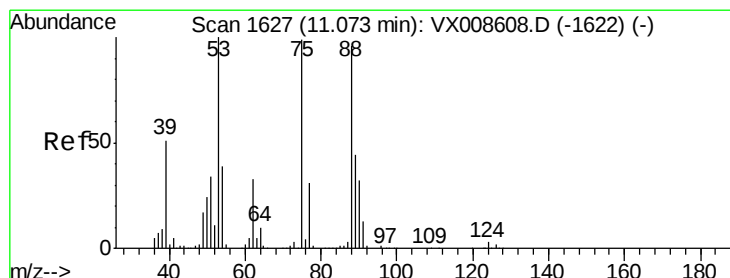
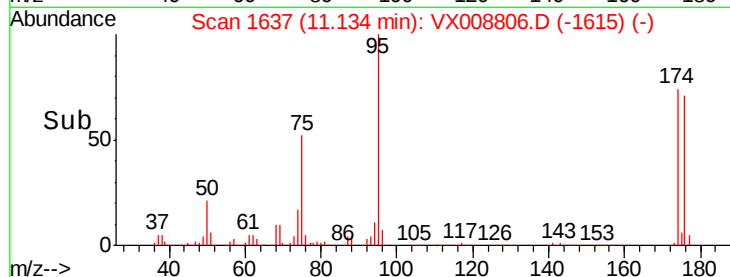
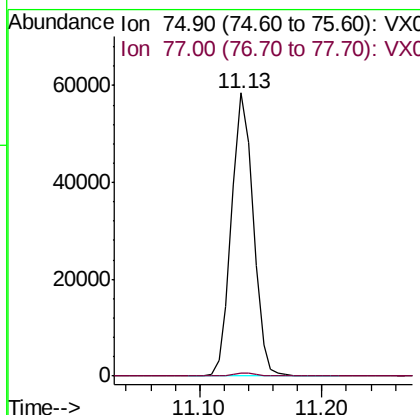
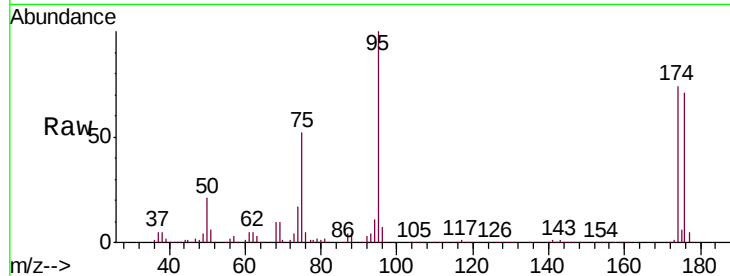




#76
 1,2,3-Trichloropropane
 Concen: 21.090 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0506-190408

Tgt Ion: 75 Resp: 71901
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.136 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008806.D
 Acq: 10 Apr 2019 15:33

Tgt Ion: 75 Resp: 71901
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

