

Data File : VX008799.D
Acq On : 10 Apr 2019 12:50
Operator : JC/SP
Sample : K2342-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-12

Quant Time: Apr 11 05:39:51 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	5.67	168	205895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124535	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	139385	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	5.50	113	102165	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	8.71	98	421462	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.13	95	143181	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	

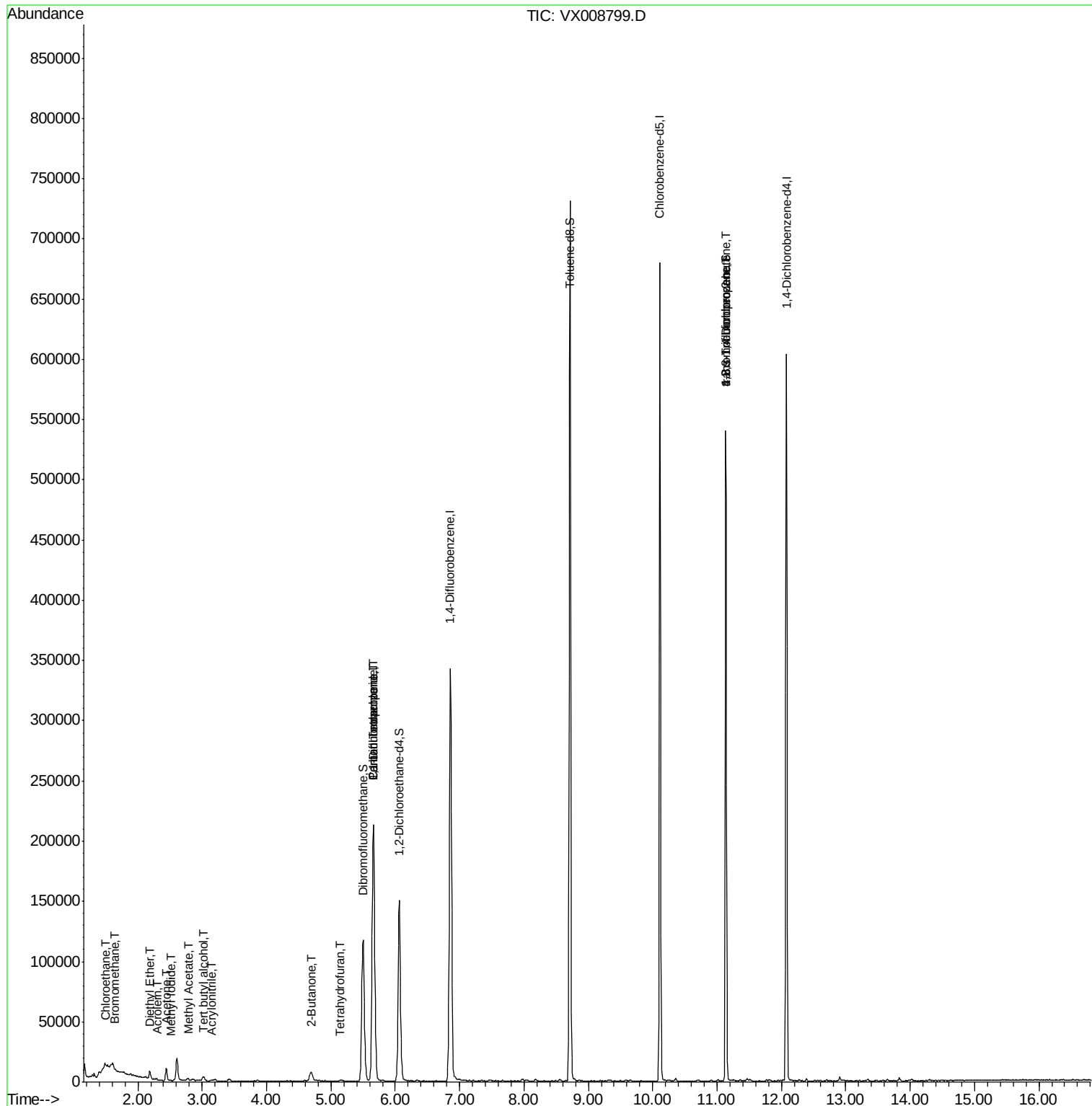
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2163	Below Cal		98
5) Bromomethane	1.64	94	487	2.182	ug/l #	69
6) Chloroethane	1.51	64	10220	2.995	ug/l #	53
8) Diethyl Ether	2.18	74	1811	1.078	ug/l	100
10) Methyl Iodide	2.51	142	389	4.175	ug/l #	82
11) Tert butyl alcohol	3.01	59	2613	3.717	ug/l #	77
13) Acrolein	2.30	56	283	0.812	ug/l #	78
15) Acrylonitrile	3.14	53	513	0.275	ug/l	90
16) Acetone	2.44	43	10666	6.166	ug/l	100
17) Carbon Disulfide	2.57	76	2818	Below Cal	#	87
18) Methyl Acetate	2.78	43	1590	0.379	ug/l #	86
25) 2-Butanone	4.68	43	3325	1.216	ug/l	92
28) Bromochloromethane	5.02	49	88	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	892	0.492	ug/l #	81
36) 1,1-Dichloropropene	5.65	75	16922	4.557	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19611	6.380	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	71691	20.956	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71691	57.765	ug/l #	9

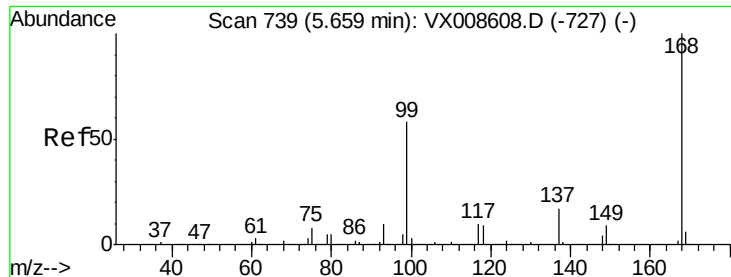
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

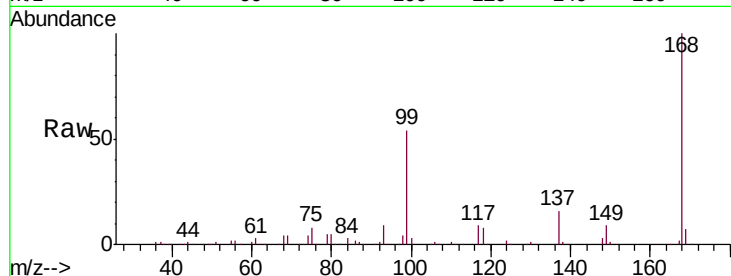
TP-12

Tgt Ion:168 Resp: 205895

Ion Ratio Lower Upper

168 100

99 54.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

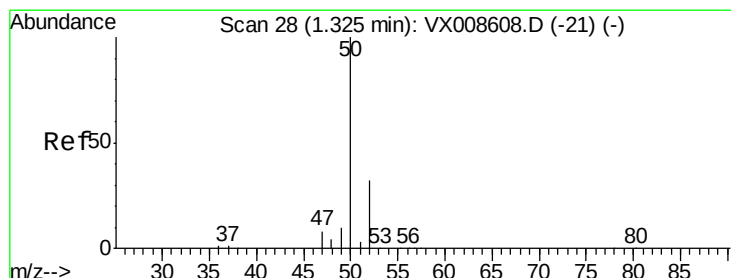
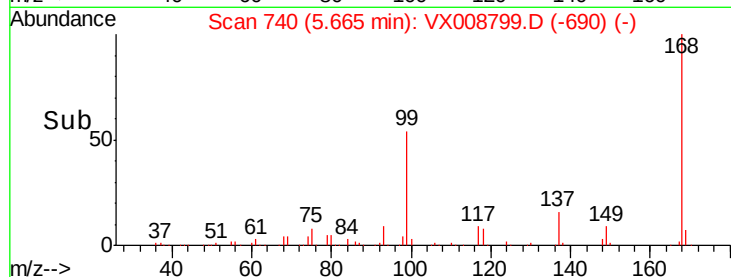
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008799.D

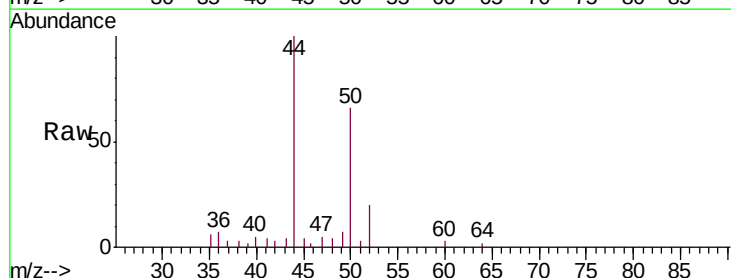
Acq: 10 Apr 2019 12:50

Tgt Ion: 50 Resp: 2163

Ion Ratio Lower Upper

50 100

52 31.1 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

2000

1500

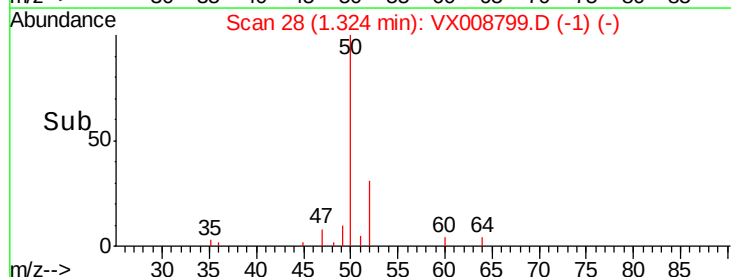
1000

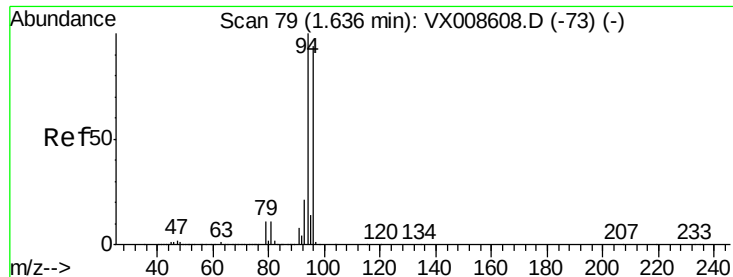
500

0

1.25 1.30 1.35

Time-->





#5

Bromomethane

Concen: 2.182 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

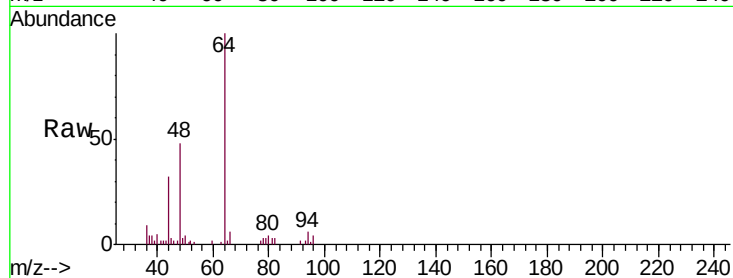
TP-12

Tgt Ion: 94 Resp: 487

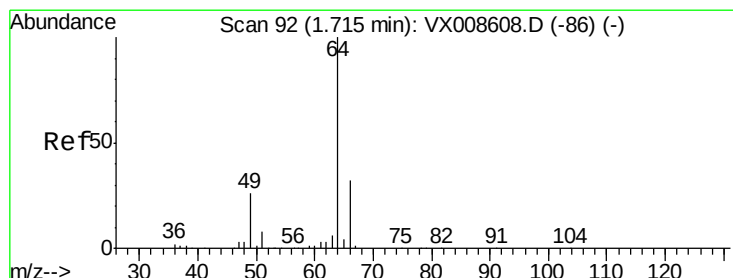
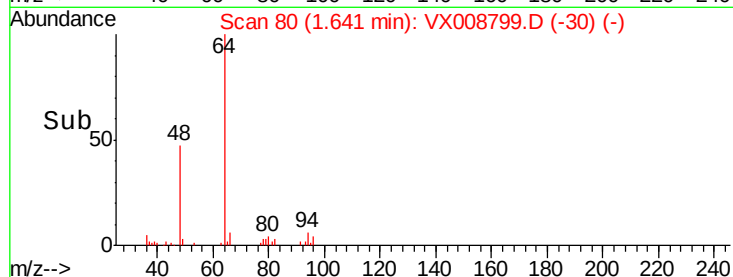
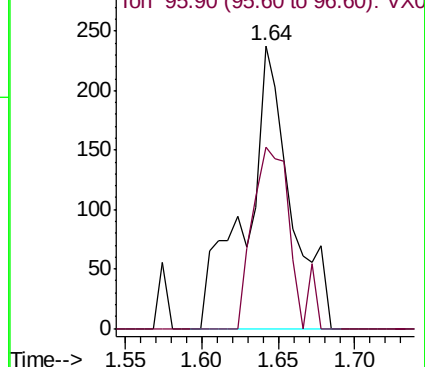
Ion Ratio Lower Upper

94 100

96 63.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 2.995 ug/l

RT: 1.51 min Scan# 58

Delta R.T. -0.21 min

Lab File: VX008799.D

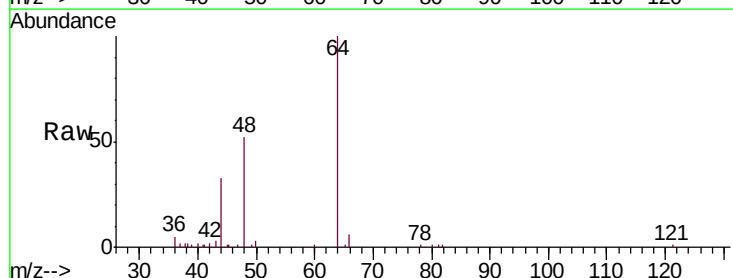
Acq: 10 Apr 2019 12:50

Tgt Ion: 64 Resp: 10220

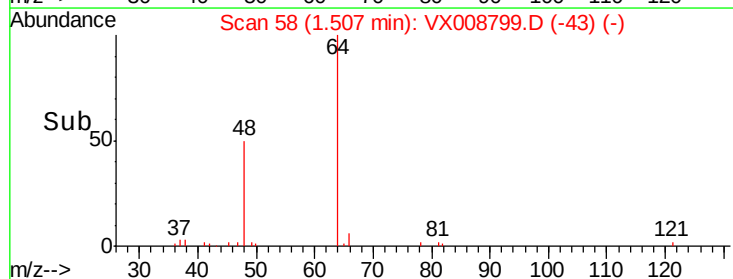
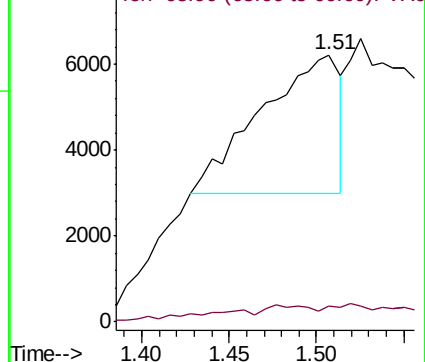
Ion Ratio Lower Upper

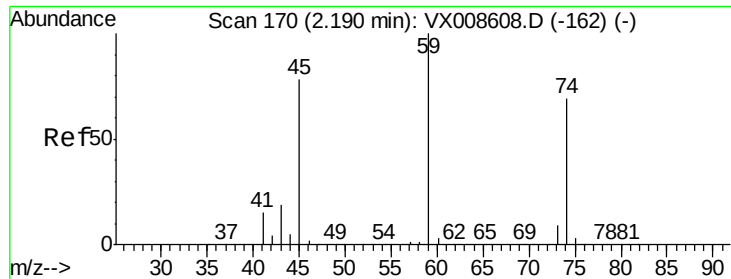
64 100

66 5.8 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#8

Diethyl Ether

Concen: 1.078 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

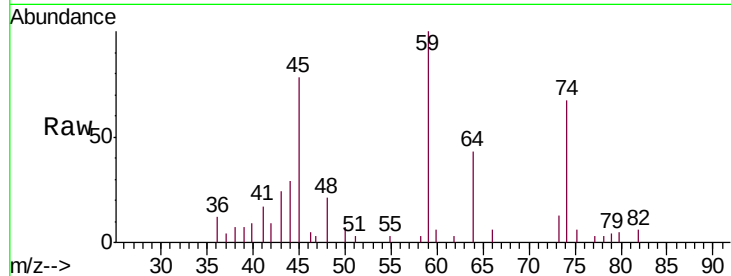
TP-12

Tgt Ion: 74 Resp: 1811

Ion Ratio Lower Upper

74 100

45 113.3 56.5 169.5



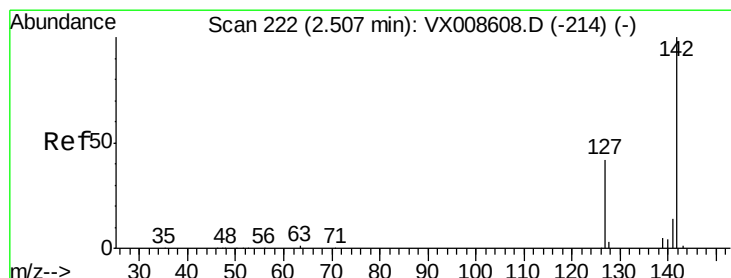
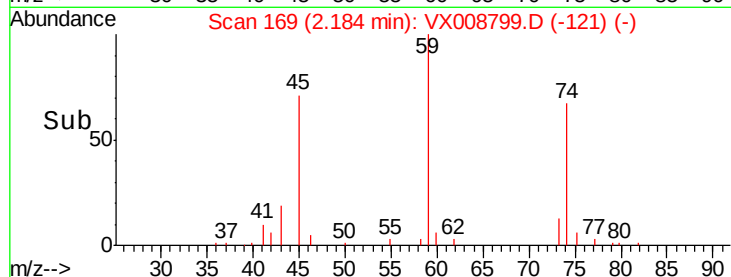
Abundance Ion 74.00 (73.70 to 74.70): VX008608.D

Ion 45.00 (44.70 to 45.70): VX008608.D

Time-->

2.15 2.20 2.25

2.18



#10

Methyl Iodide

Concen: 4.175 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

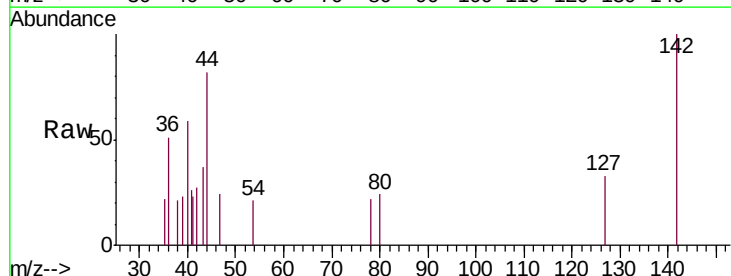
Tgt Ion: 142 Resp: 389

Ion Ratio Lower Upper

142 100

127 48.6 33.0 49.6

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): VX008608.D

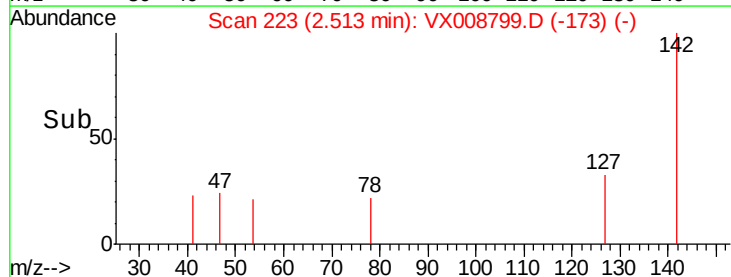
Ion 126.80 (126.50 to 127.50): VX008608.D

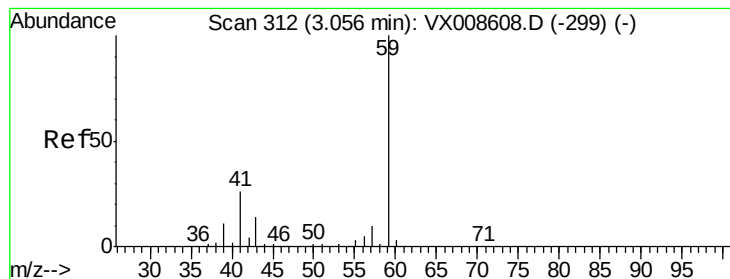
Ion 140.80 (140.50 to 141.50): VX008608.D

Time-->

2.50 2.55

2.51



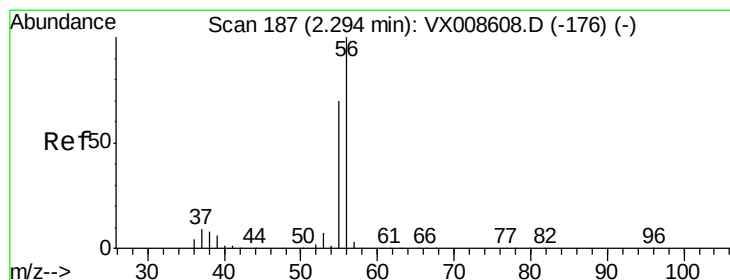
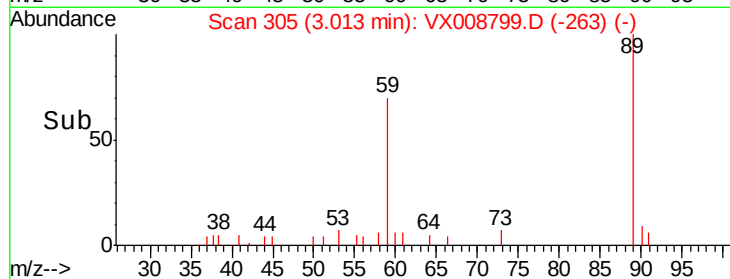
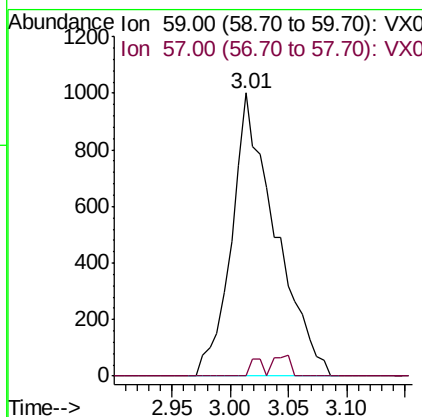
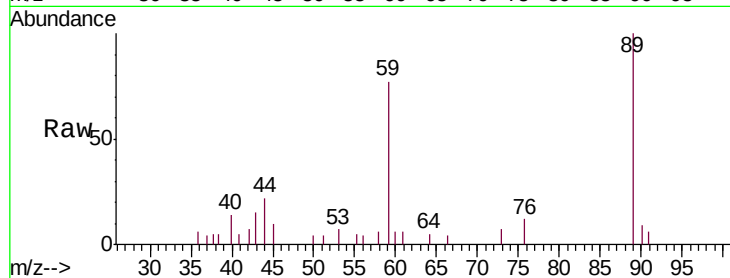


#11

Tert butyl alcohol
 Concen: 3.717 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX008799.D
 Acq: 10 Apr 2019 12:50

Instrument :
 MSVOA_X
 ClientSampled :
 TP-12

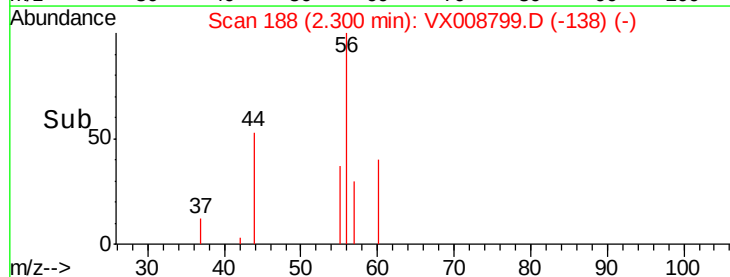
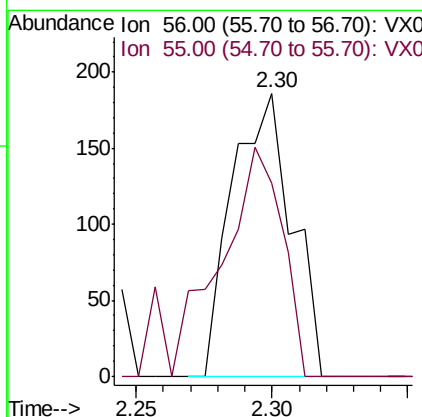
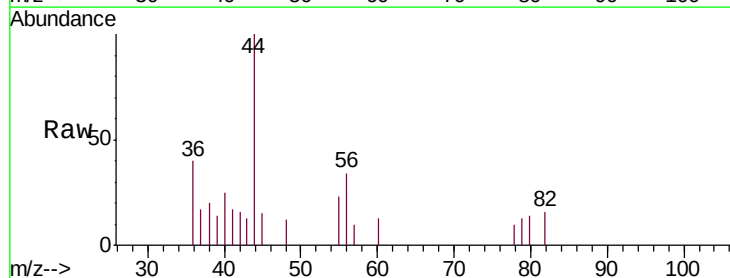
Tgt Ion: 59 Resp: 2613
 Ion Ratio Lower Upper
 59 100
 57 1.7 8.3 12.5#

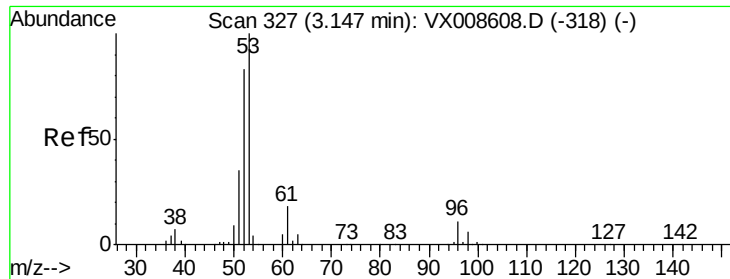


#13

Acrolein
 Concen: 0.812 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX008799.D
 Acq: 10 Apr 2019 12:50

Tgt Ion: 56 Resp: 283
 Ion Ratio Lower Upper
 56 100
 55 90.8 58.0 87.0#





#15

Acrylonitrile

Concen: 0.275 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

TP-12

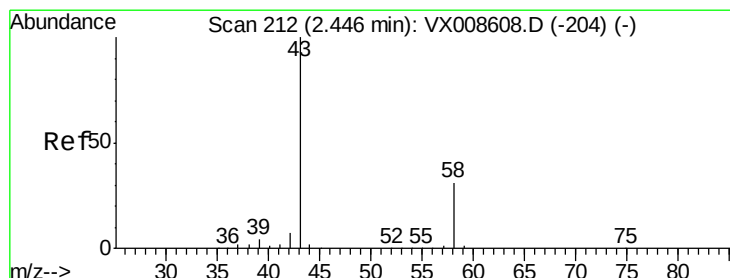
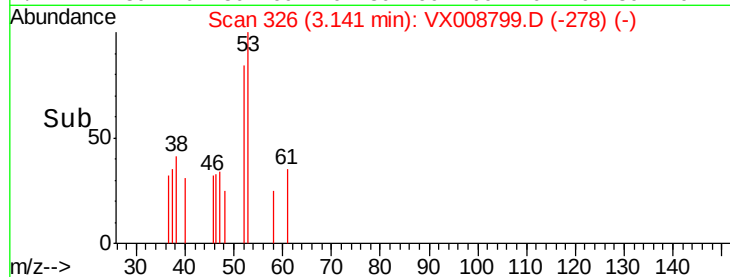
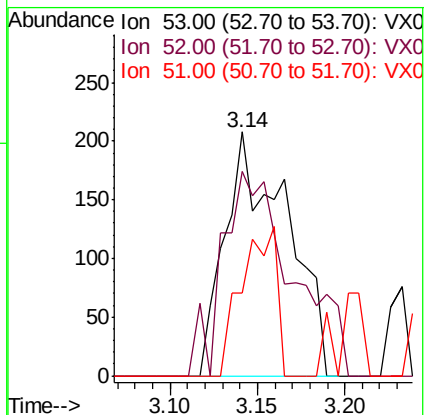
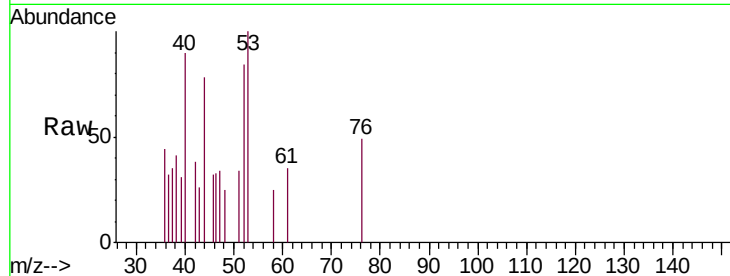
Tgt Ion: 53 Resp: 513

Ion Ratio Lower Upper

53 100

52 95.7 66.5 99.7

51 34.7 28.6 42.8



#16

Acetone

Concen: 6.166 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008799.D

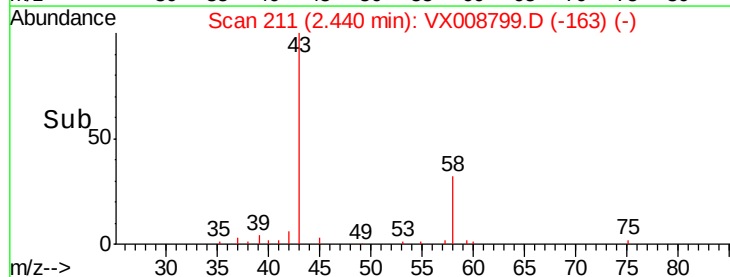
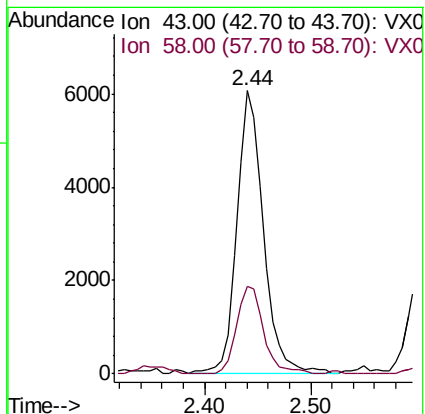
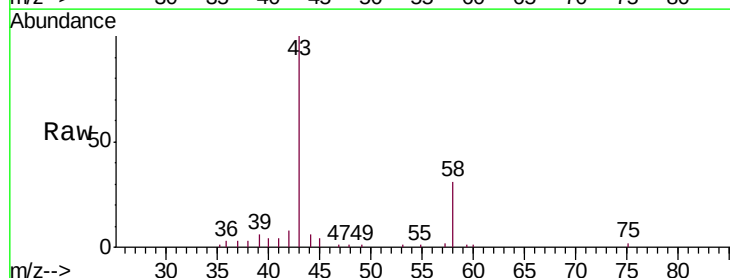
Acq: 10 Apr 2019 12:50

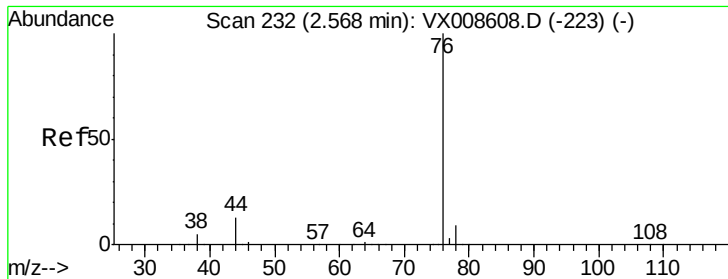
Tgt Ion: 43 Resp: 10666

Ion Ratio Lower Upper

43 100

58 31.1 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

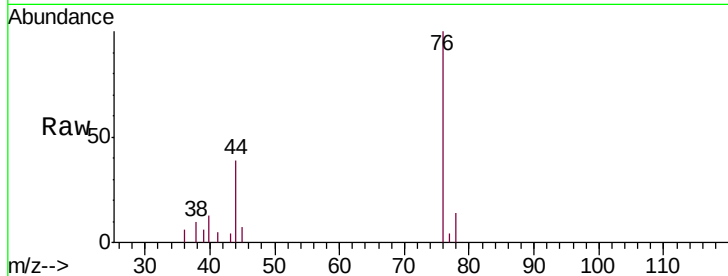
TP-12

Tgt Ion: 76 Resp: 2818

Ion Ratio Lower Upper

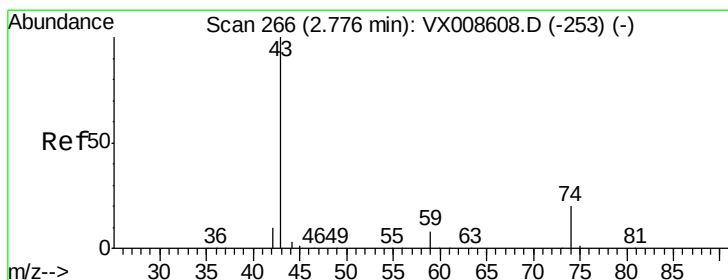
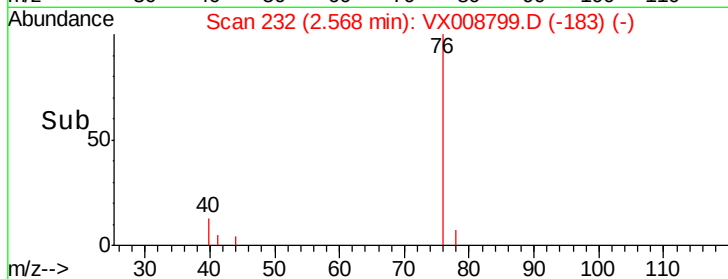
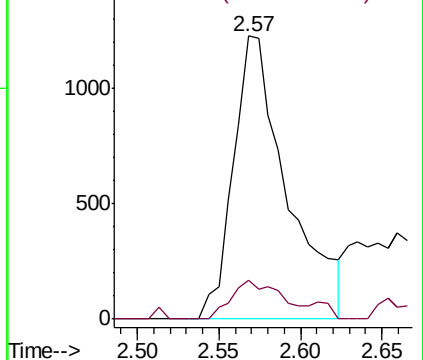
76 100

78 13.7 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.379 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX008799.D

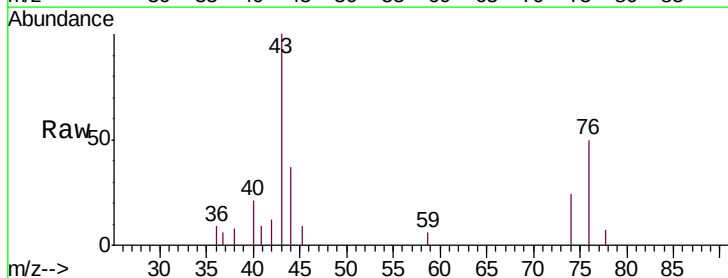
Acq: 10 Apr 2019 12:50

Tgt Ion: 43 Resp: 1590

Ion Ratio Lower Upper

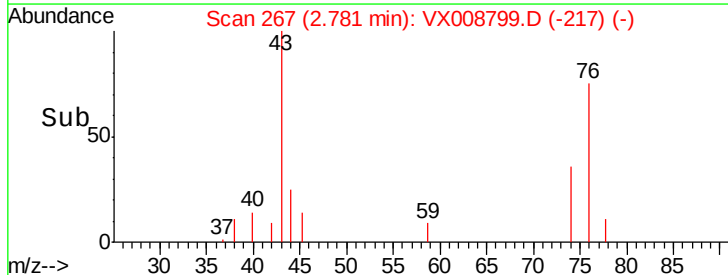
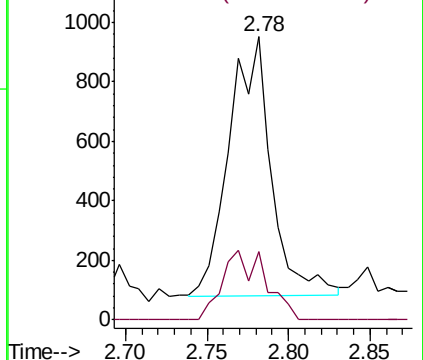
43 100

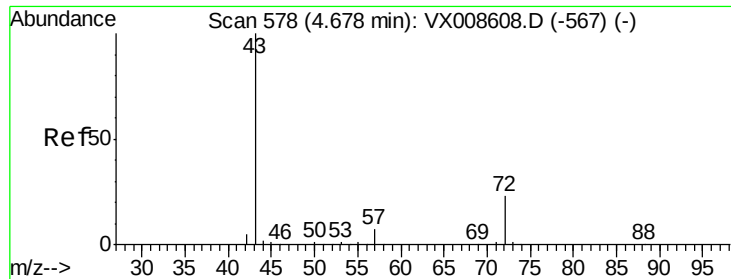
74 26.9 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 1.216 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

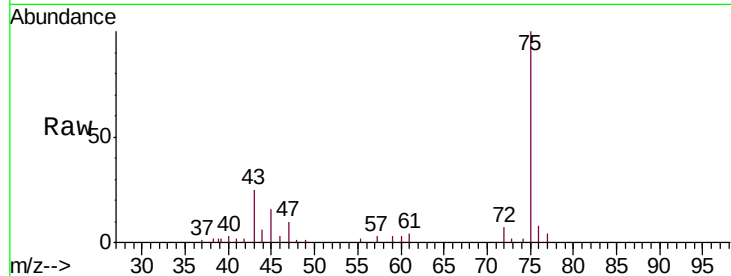
TP-12

Tgt Ion: 43 Resp: 3325

Ion Ratio Lower Upper

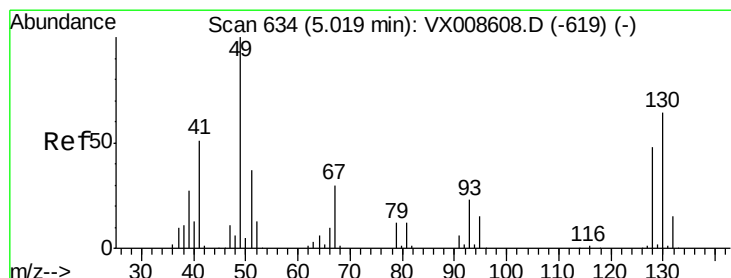
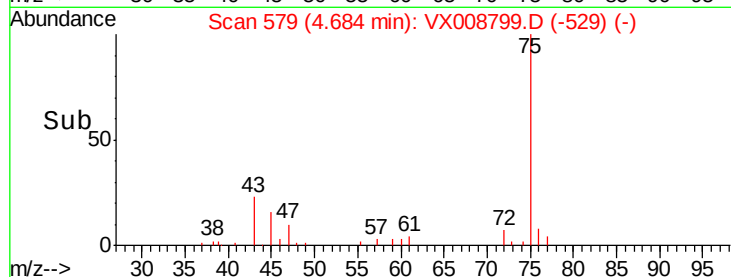
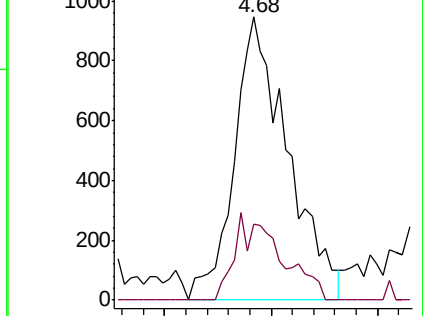
43 100

72 26.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

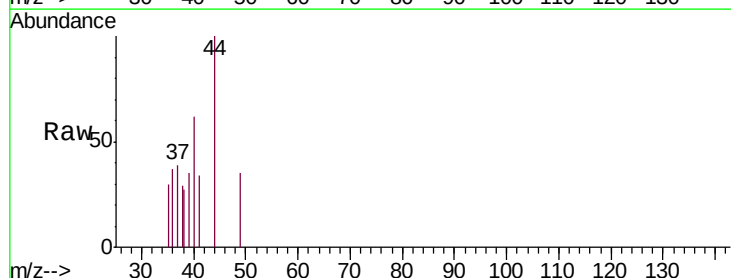
Tgt Ion: 49 Resp: 88

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

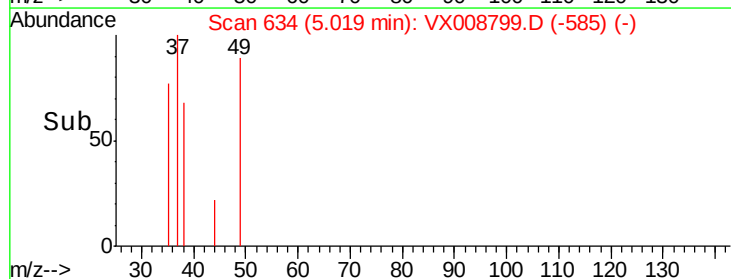
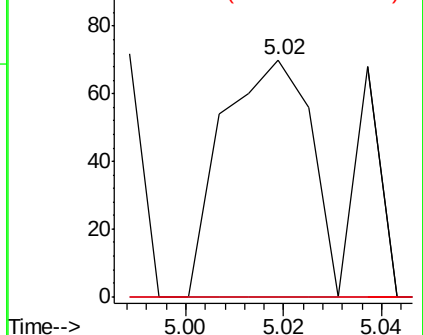
130 0.0 49.3 73.9#

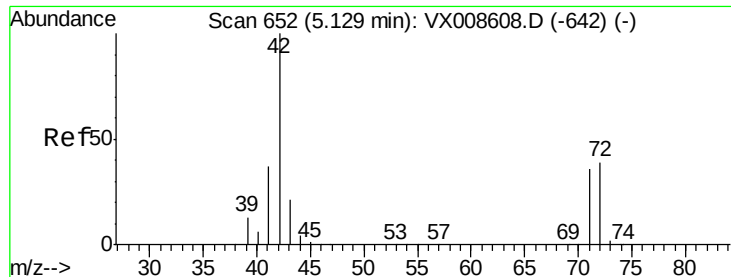


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.492 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampleId :

TP-12

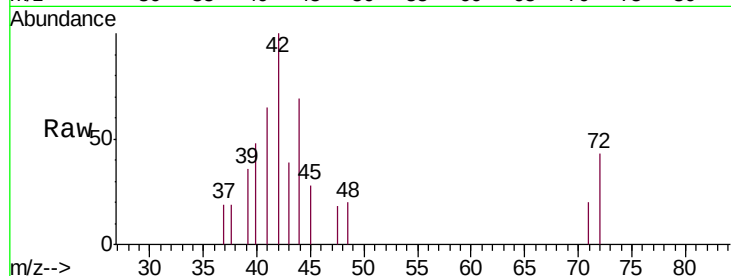
Tgt Ion: 42 Resp: 892

Ion Ratio Lower Upper

42 100

72 38.0 30.5 45.7

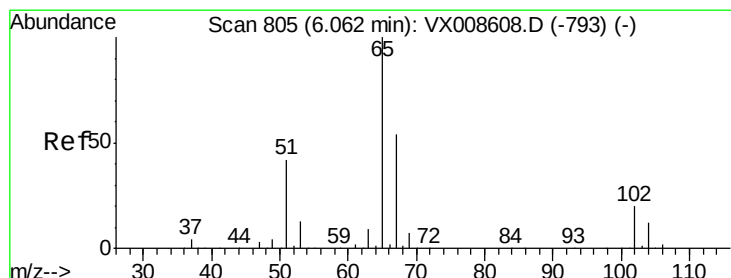
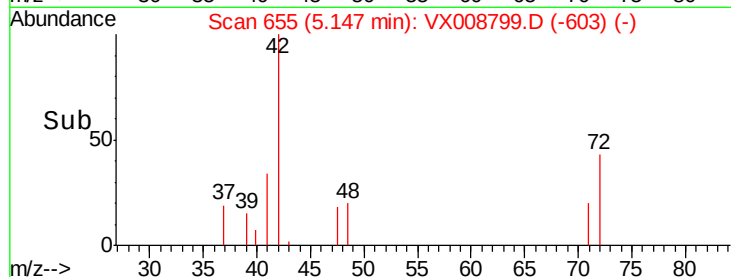
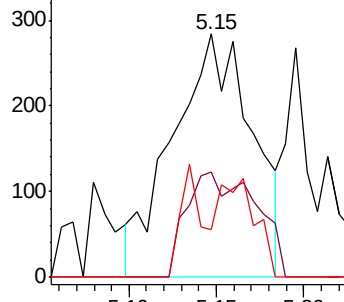
71 12.9 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.414 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008799.D

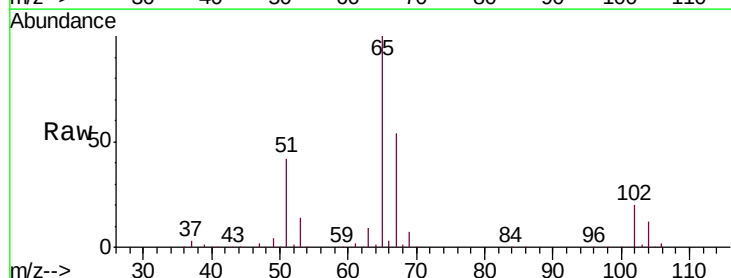
Acq: 10 Apr 2019 12:50

Tgt Ion: 65 Resp: 139385

Ion Ratio Lower Upper

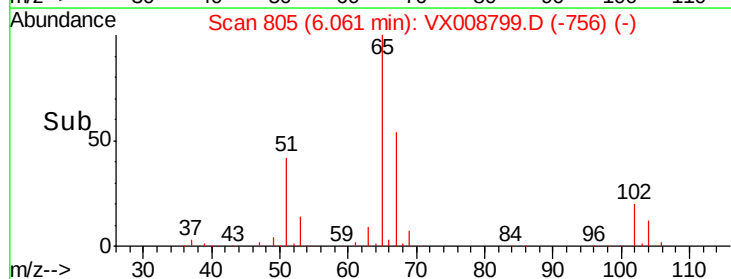
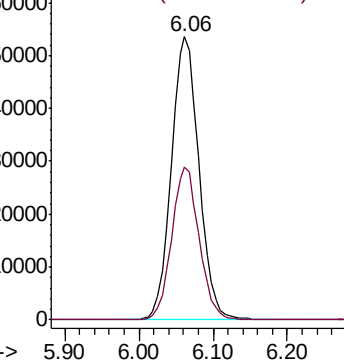
65 100

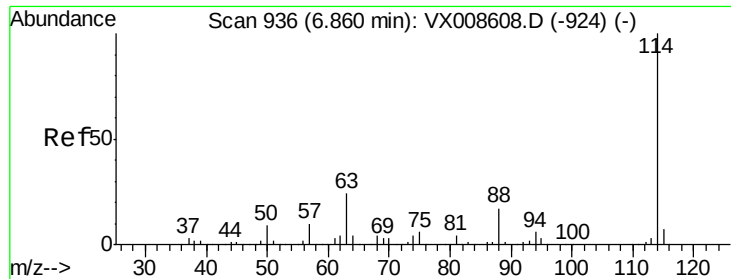
67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

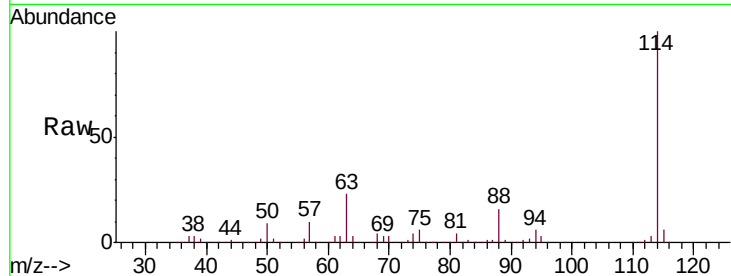




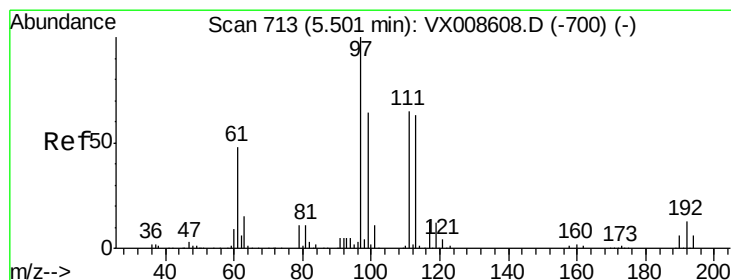
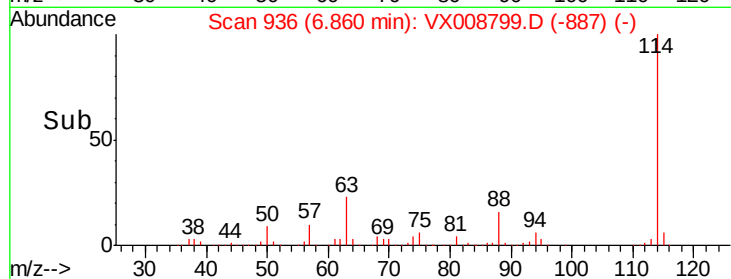
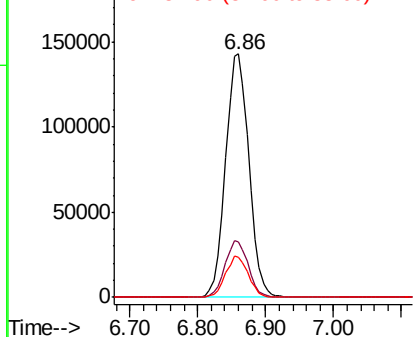
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008799.D
 Acq: 10 Apr 2019 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12

Tgt Ion:114 Resp: 339730
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.5 0.0 34.0

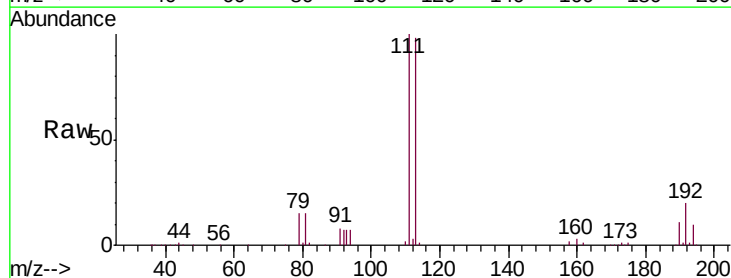


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

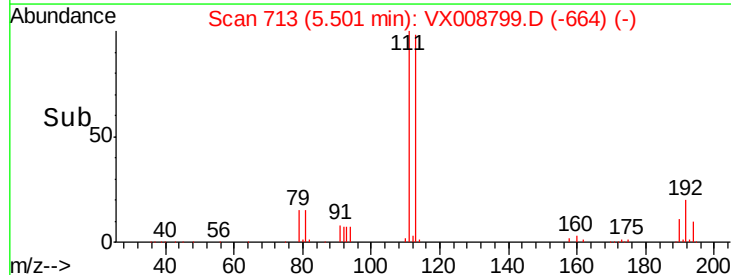
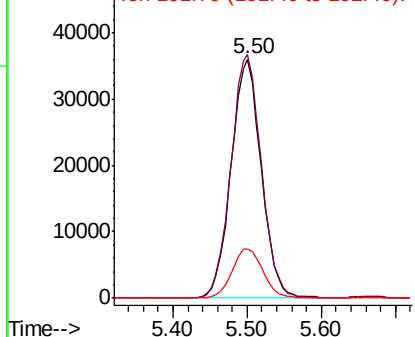


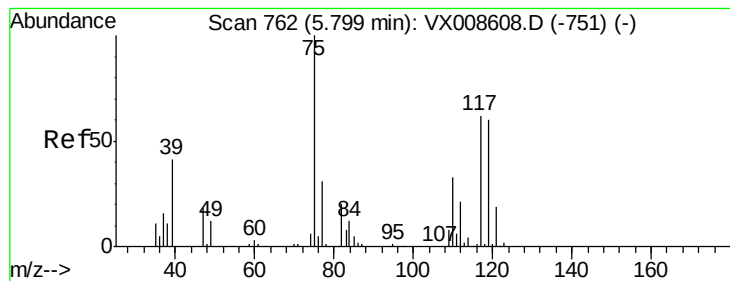
#35
 Dibromofluoromethane
 Concen: 47.035 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008799.D
 Acq: 10 Apr 2019 12:50

Tgt Ion:113 Resp: 102165
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.2
 192 21.0 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: 4.557 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampleId :

TP-12

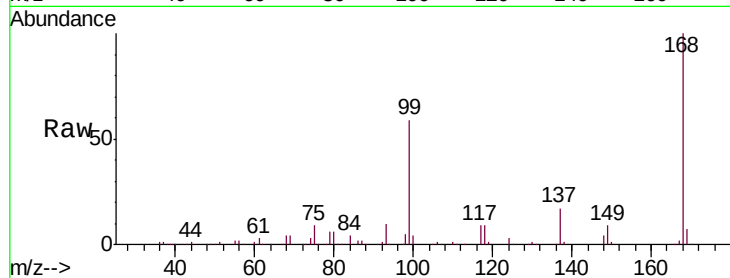
Tgt Ion: 75 Resp: 16922

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.2#

77 0.0 24.7 37.1#

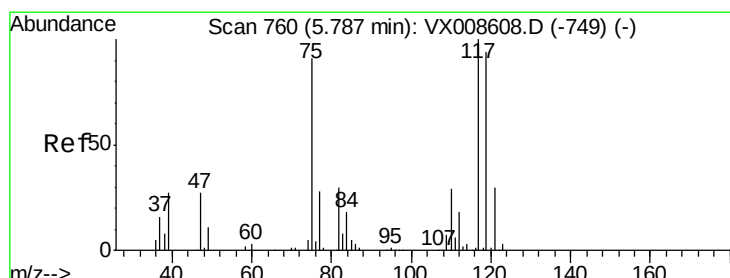
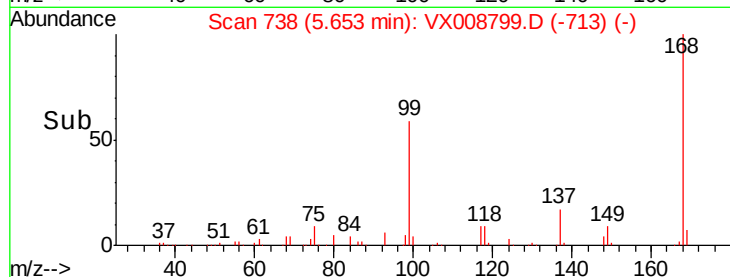


Abundance Ion 74.90 (74.60 to 75.60): VX008608.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX008608.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX008608.D (-751) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.380 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

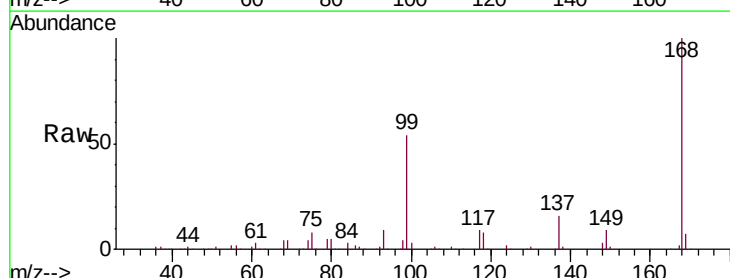
Tgt Ion: 117 Resp: 19611

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

121 0.0 24.3 36.5#

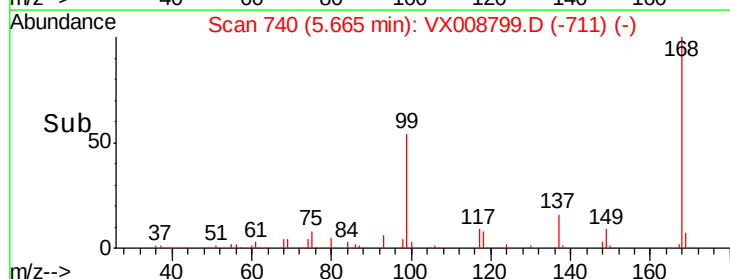


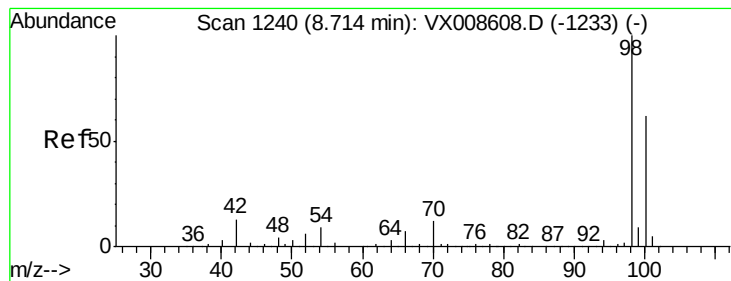
Abundance Ion 116.80 (116.50 to 117.50): VX008608.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX008608.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008608.D (-749) (-)

Time-->





#50

Toluene-d8

Concen: 48.731 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

Instrument :

MSVOA_X

ClientSampled :

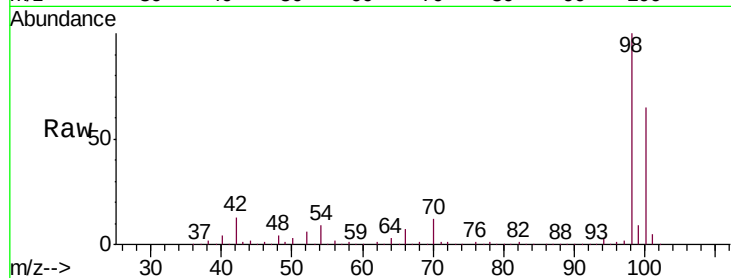
TP-12

Tgt Ion: 98 Resp: 421462

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

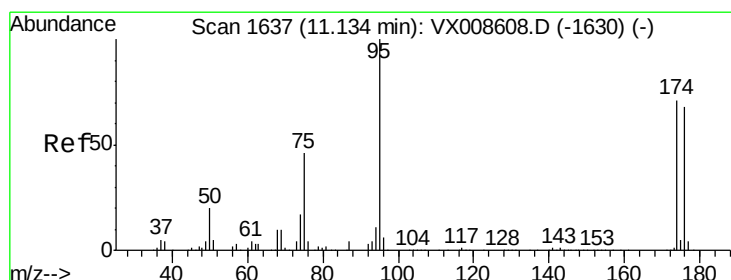
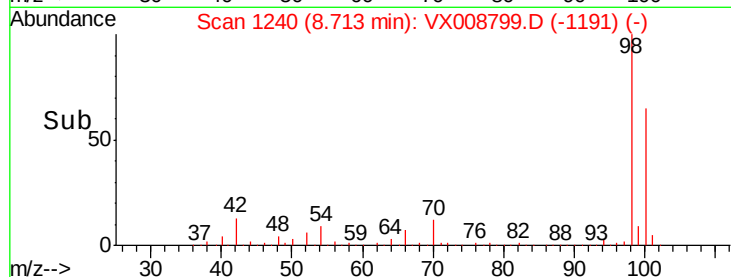
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 46.685 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008799.D

Acq: 10 Apr 2019 12:50

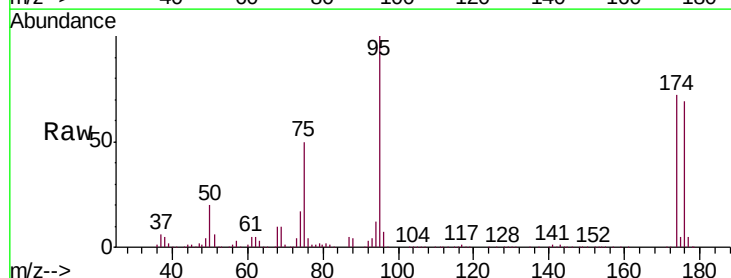
Tgt Ion: 95 Resp: 143181

Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.8

176 75.5 0.0 145.8



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

150000

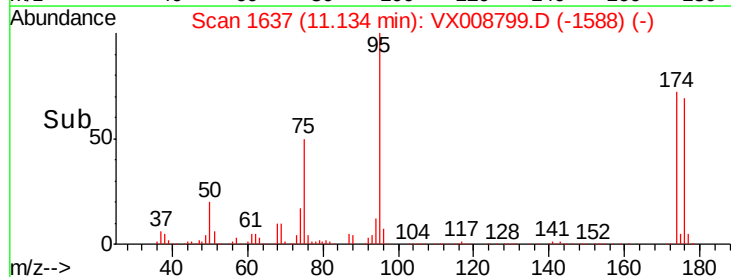
100000

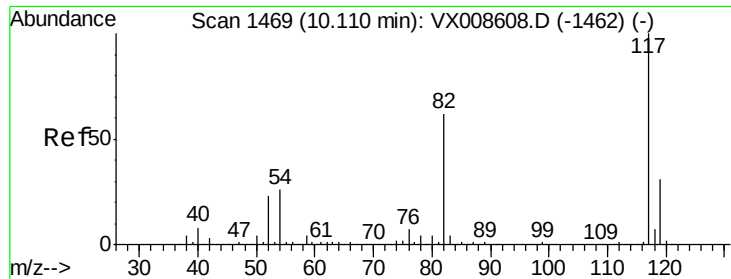
50000

0

11.10 11.20

Time-->

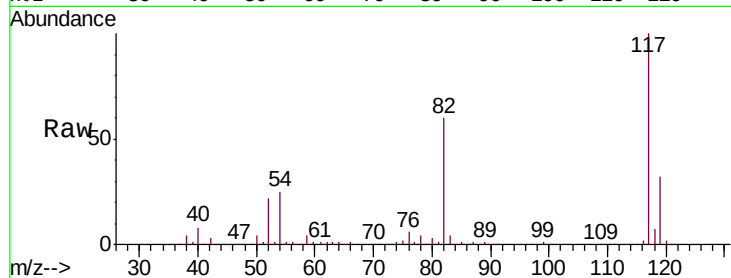




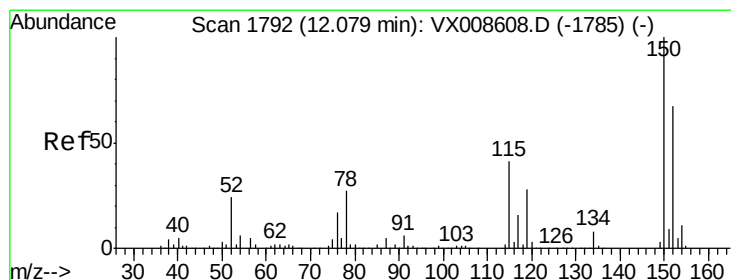
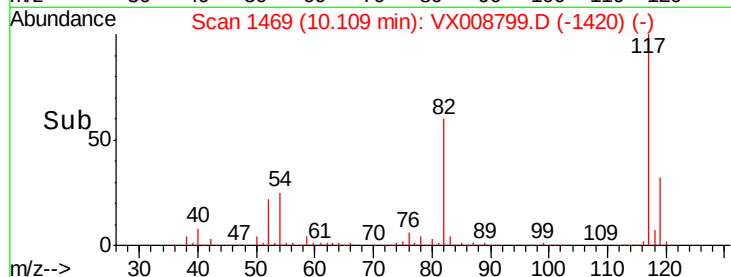
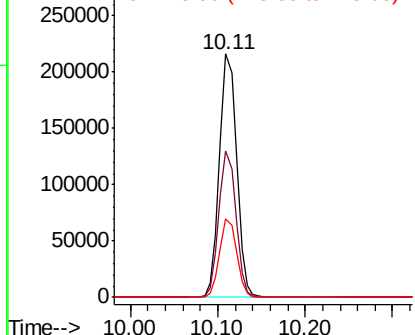
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008799.D
Acq: 10 Apr 2019 12:50

Instrument :
MSVOA_X
ClientSampleId :
TP-12

Tgt Ion:117 Resp: 293712
Ion Ratio Lower Upper
117 100
82 59.9 49.6 74.4
119 32.2 25.0 37.4

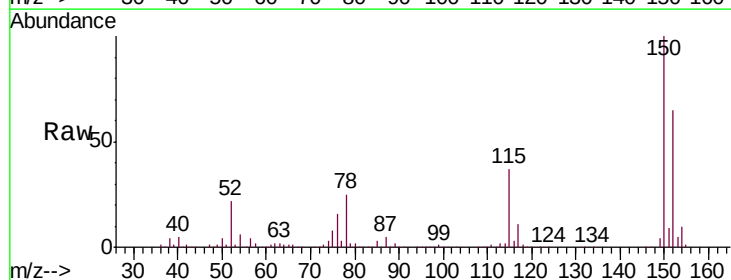


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

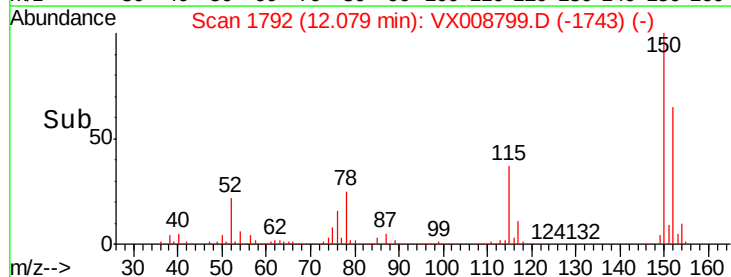
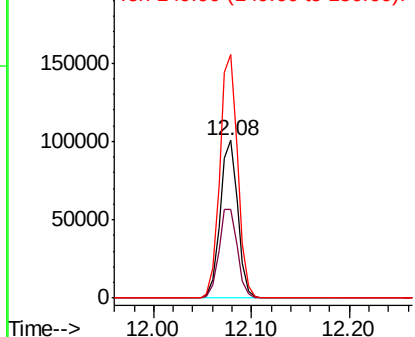


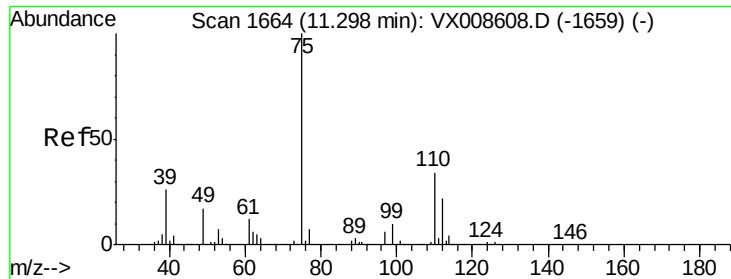
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008799.D
Acq: 10 Apr 2019 12:50

Tgt Ion:152 Resp: 124535
Ion Ratio Lower Upper
152 100
115 59.5 43.5 130.5
150 157.0 0.0 348.8



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

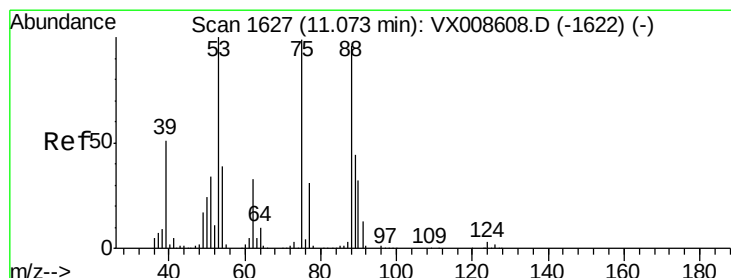
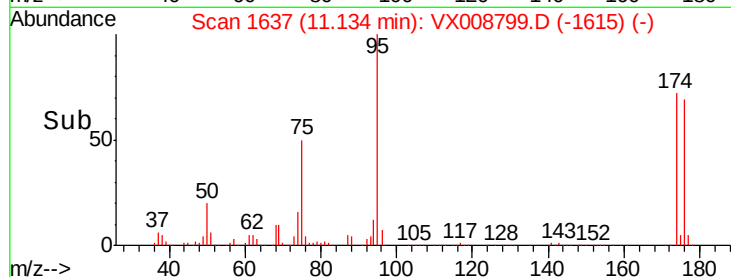
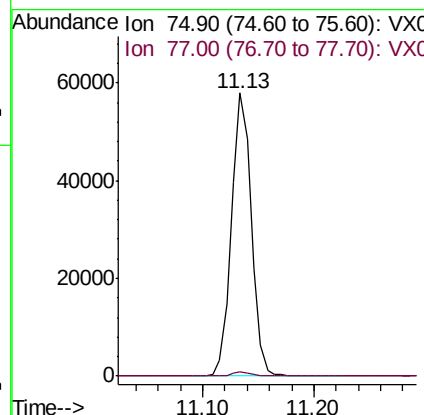
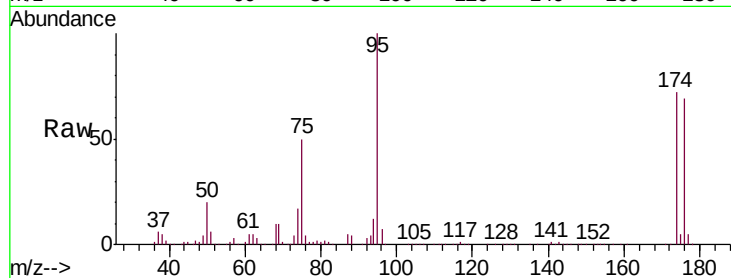




#76
 1,2,3-Trichloropropane
 Concen: 20.956 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008799.D
 Acq: 10 Apr 2019 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12

Tgt Ion: 75 Resp: 71691
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.765 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008799.D
 Acq: 10 Apr 2019 12:50

Tgt Ion: 75 Resp: 71691
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

