

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040919\
 Data File : VX008776.D
 Acq On : 09 Apr 2019 17:22
 Operator : JC/SP
 Sample : K2311-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 10 06:38:34 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	207288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121082	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	143151	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
35) Dibromofluoromethane	5.50	113	104492	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
50) Toluene-d8	8.71	98	429532	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	139770	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

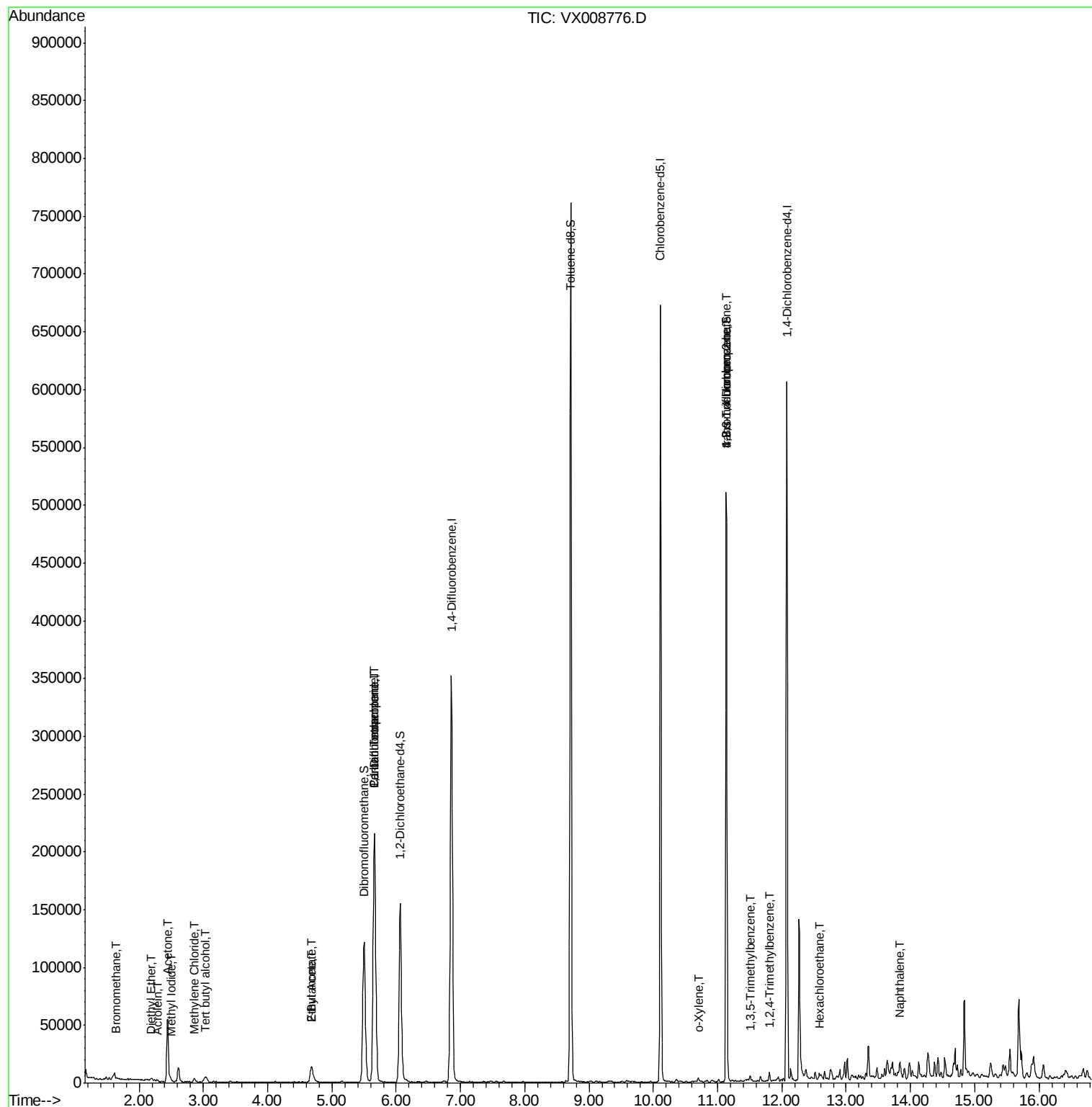
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	420	Below Cal	#	78
5) Bromomethane	1.64	94	198	2.005	ug/l #	36
6) Chloroethane	1.72	64	79	Below Cal	#	43
8) Diethyl Ether	2.19	74	362	0.214	ug/l	93
10) Methyl Iodide	2.51	142	131	4.061	ug/l #	87
11) Tert butyl alcohol	3.04	59	5882	8.310	ug/l	97
13) Acrolein	2.29	56	262	0.746	ug/l #	70
16) Acetone	2.44	43	61145	35.113	ug/l	96
17) Carbon Disulfide	2.56	76	820	Below Cal	#	70
20) Methylene Chloride	2.86	84	1336	0.458	ug/l	94
25) 2-Butanone	4.68	43	20837	7.571	ug/l	98
28) Bromochloromethane	5.02	49	20	Below Cal	#	22
36) 1,1-Dichloropropene	5.66	75	16575	4.416	ug/l #	50
37) Ethyl Acetate	4.68	43	20837	4.159	ug/l #	71
38) Carbon Tetrachloride	5.67	117	19590	6.305	ug/l #	17
69) o-Xylene	10.70	106	859	0.203	ug/l	80
76) 1,2,3-Trichloropropane	11.13	75	71093	21.373	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.51	105	1781	0.211	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.13	75	71093	58.917	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	3363	0.394	ug/l	94
90) Hexachloroethane	12.58	117	367	0.256	ug/l #	9
95) Naphthalene	13.83	128	7877	0.791	ug/l #	88

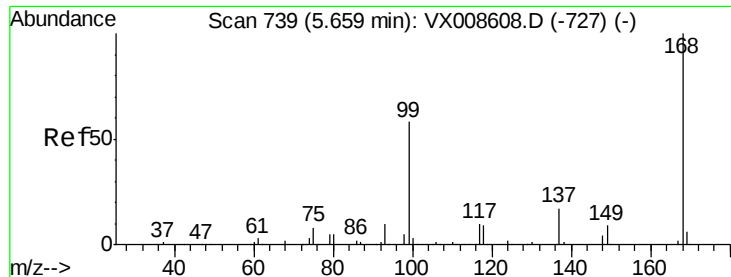
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040919\
Data File : VX008776.D
Acq On : 09 Apr 2019 17:22
Operator : JC/SP
Sample : K2311-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 10 06:38:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

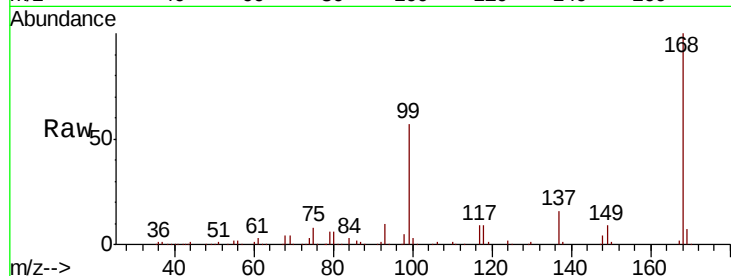
ClientSampleId :

Tot Ion:168 Resp: 207288

Ion Ratio Lower Upper

168 100

99 57.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VX008608.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX008608.D (-727) (-)

5.67

80000

60000

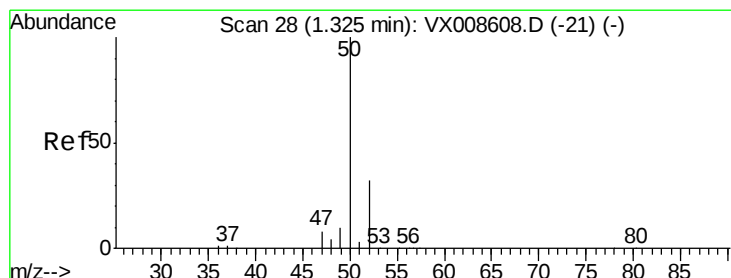
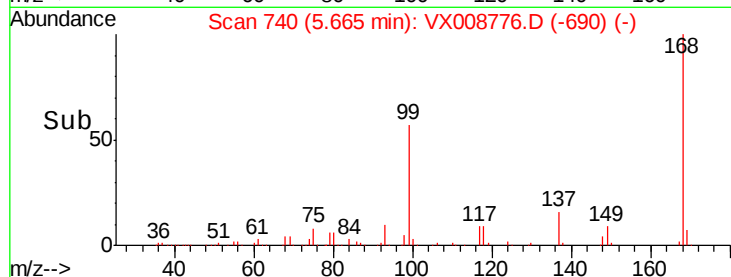
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008776.D

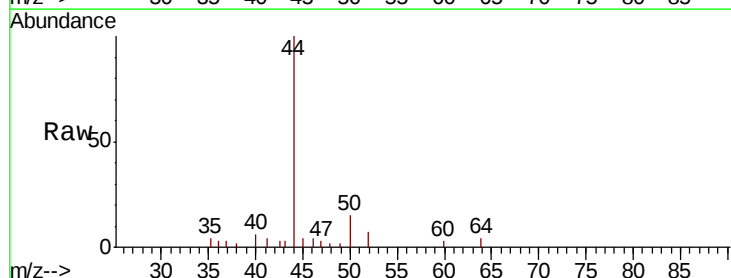
Acq: 09 Apr 2019 17:22

Tgt Ion: 50 Resp: 420

Ion Ratio Lower Upper

50 100

52 44.8 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX008608.D (-21) (-)

Ion 51.90 (51.60 to 52.60): VX008608.D (-21) (-)

1.33

400

300

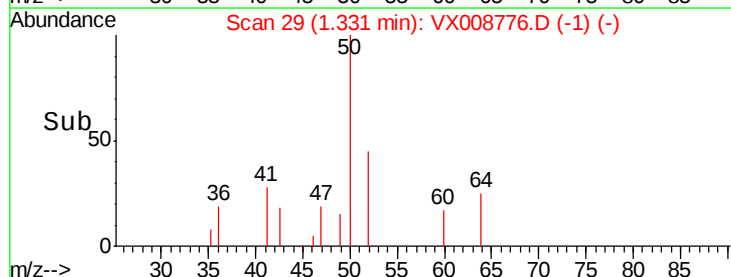
200

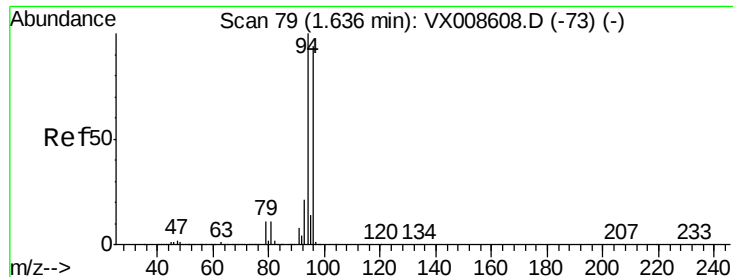
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.005 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

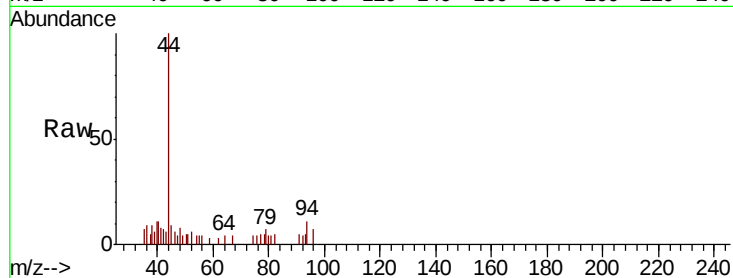
ClientSampleId :

Tot Ion: 94 Resp: 198

Ion Ratio Lower Upper

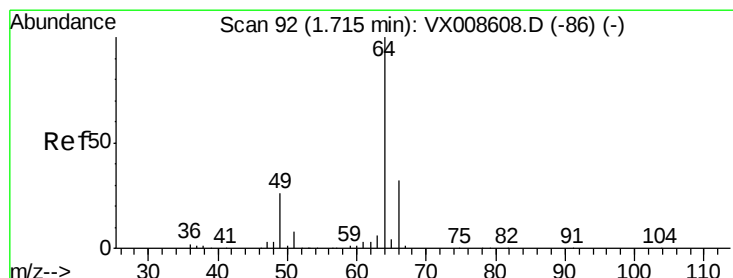
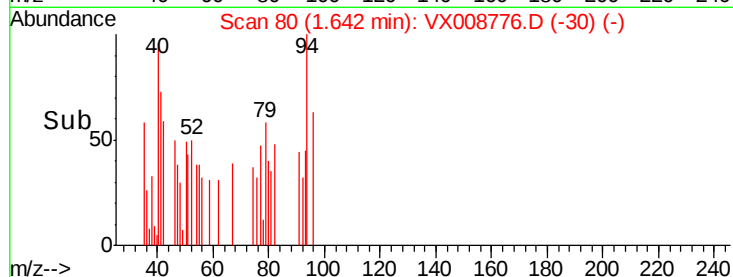
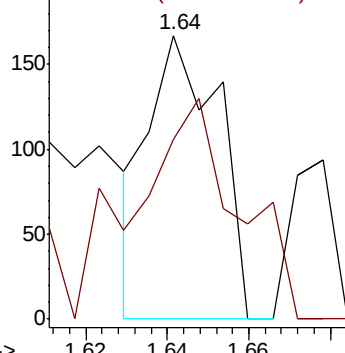
94 100

96 32.3 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: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008776.D

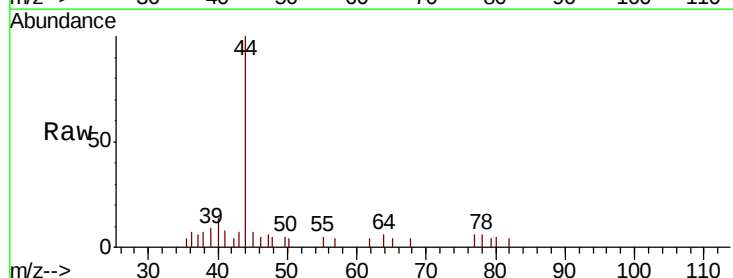
Acq: 09 Apr 2019 17:22

Tgt Ion: 64 Resp: 79

Ion Ratio Lower Upper

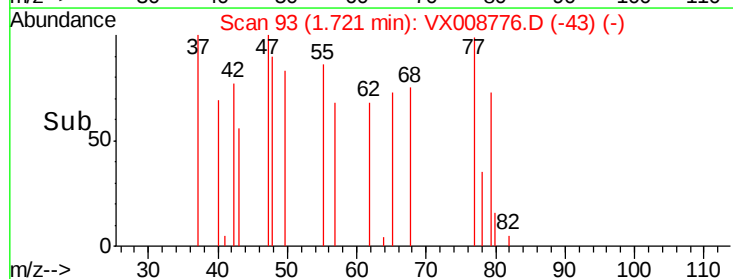
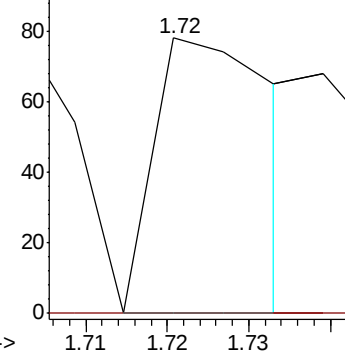
64 100

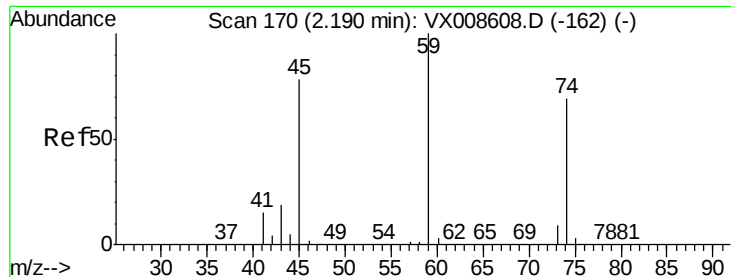
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.214 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

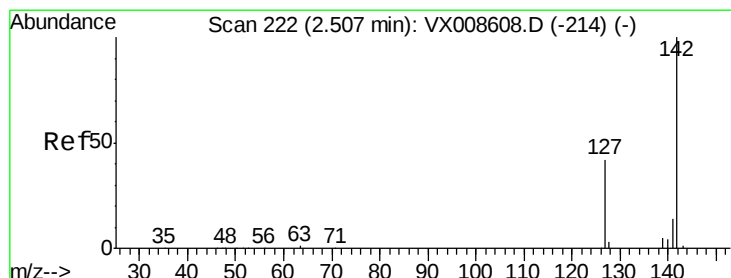
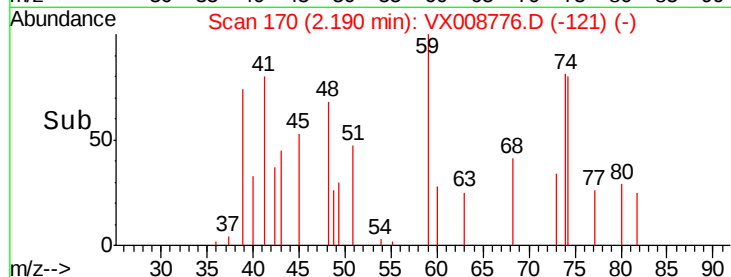
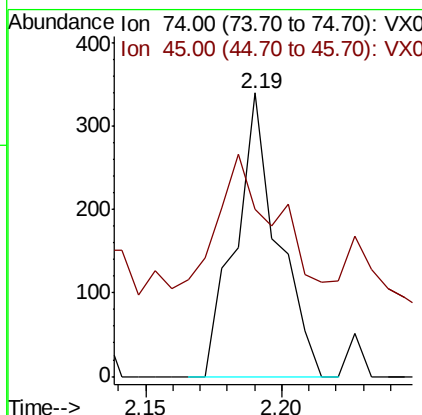
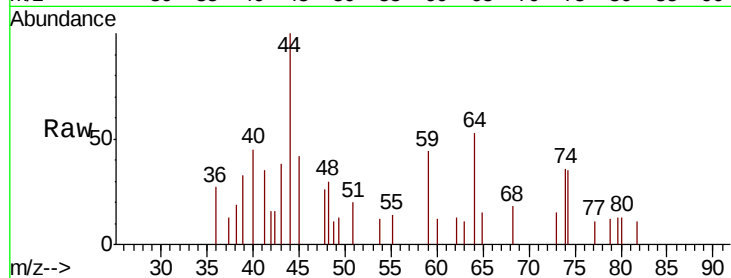
ClientSampled :

Tot Ion: 74 Resp: 362

Ion Ratio Lower Upper

74 100

45 120.4 56.5 169.5



#10

Methyl Iodide

Concen: 4.061 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

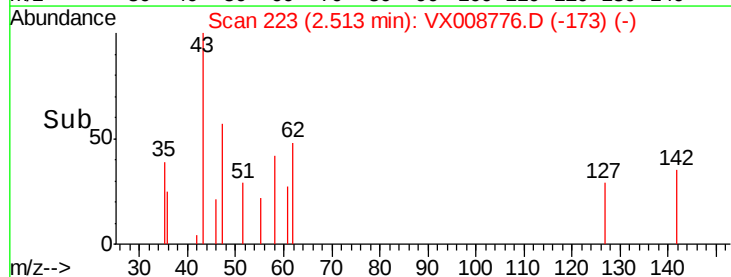
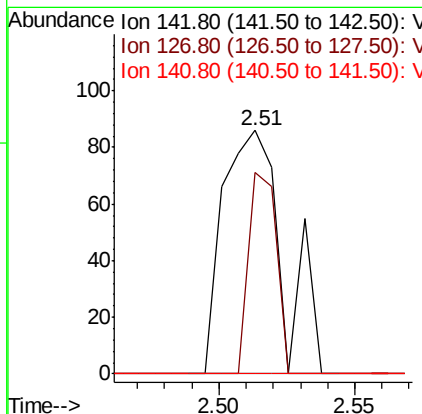
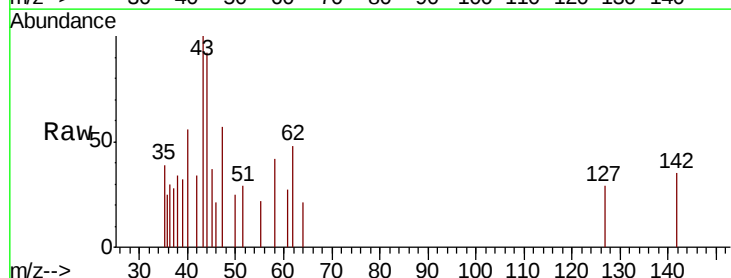
Tgt Ion: 142 Resp: 131

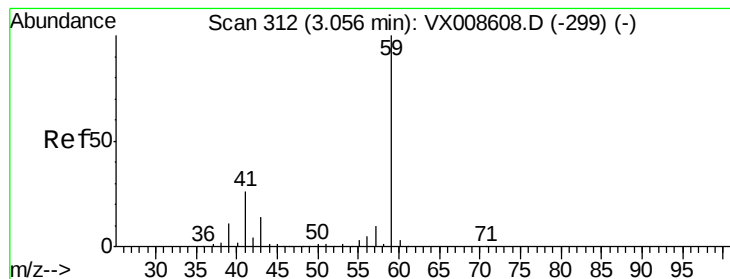
Ion Ratio Lower Upper

142 100

127 38.2 33.0 49.6

141 0.0 11.4 17.2#



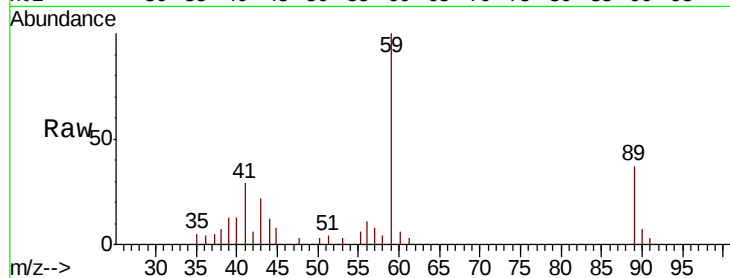


#11

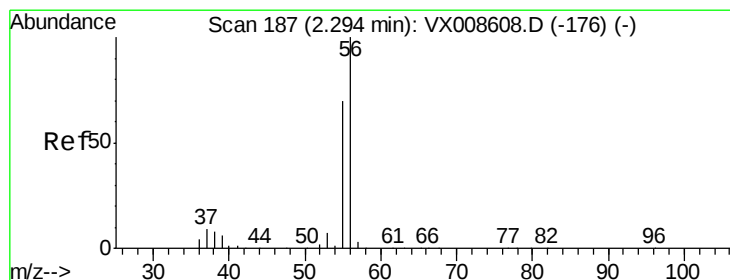
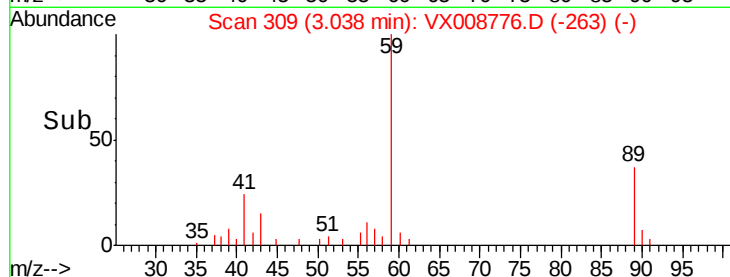
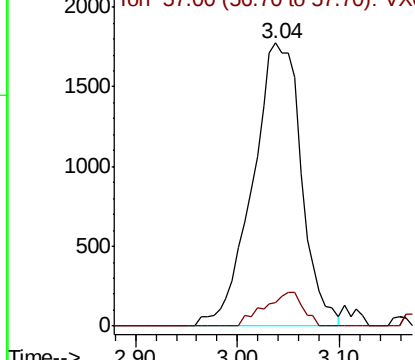
Tert butyl alcohol
 Concen: 8.310 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.02 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 59 Resp: 5882
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.3 12.5



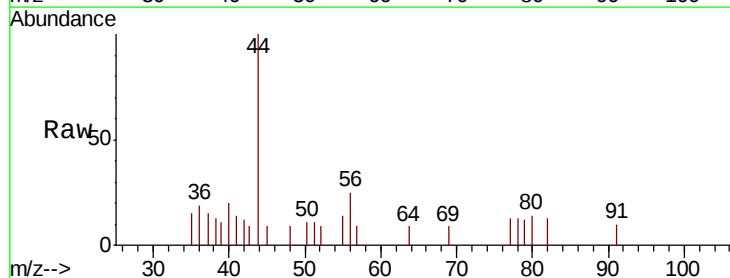
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



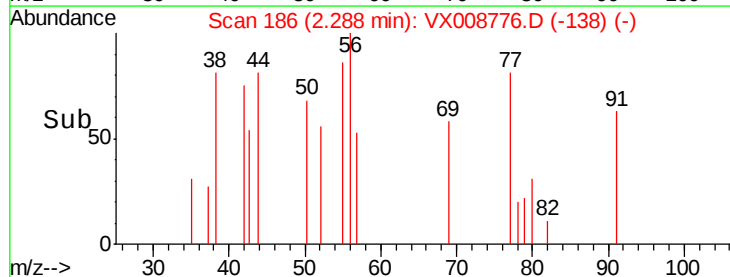
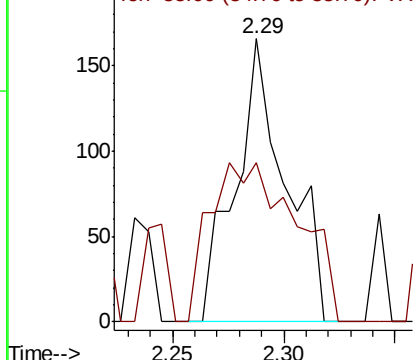
#13

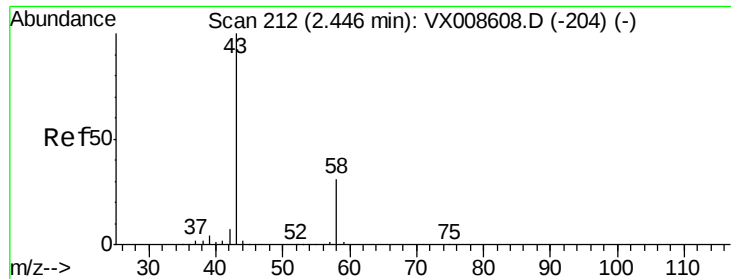
Acrolein
 Concen: 0.746 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

Tgt Ion: 56 Resp: 262
 Ion Ratio Lower Upper
 56 100
 55 97.3 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 35.113 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

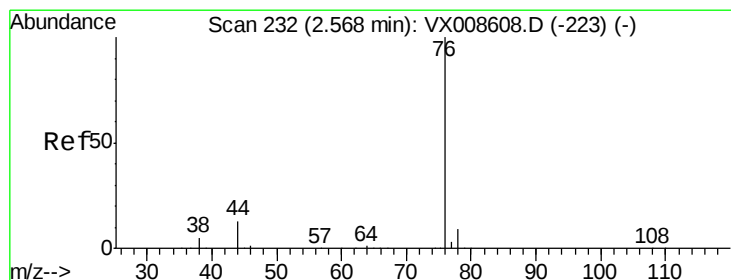
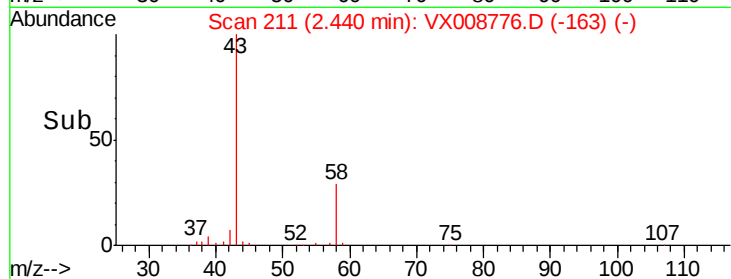
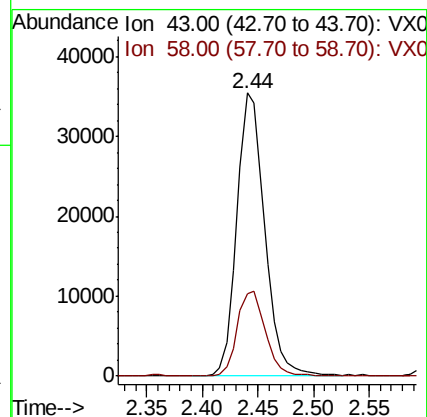
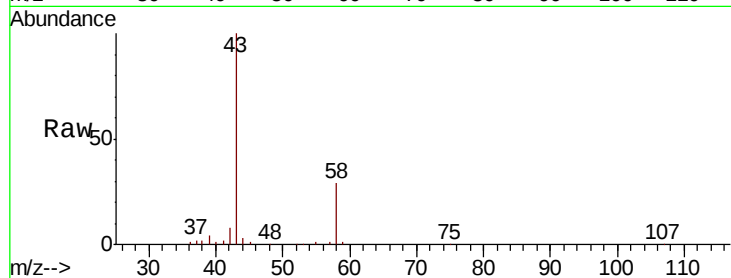
ClientSampleId :

Tot Ion: 43 Resp: 61145

Ion Ratio Lower Upper

43 100

58 29.0 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008776.D

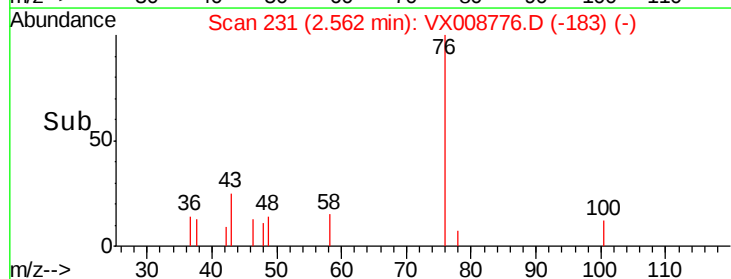
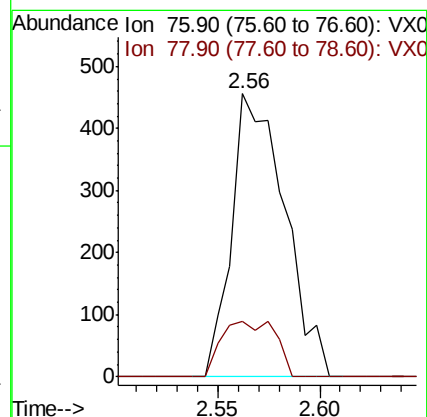
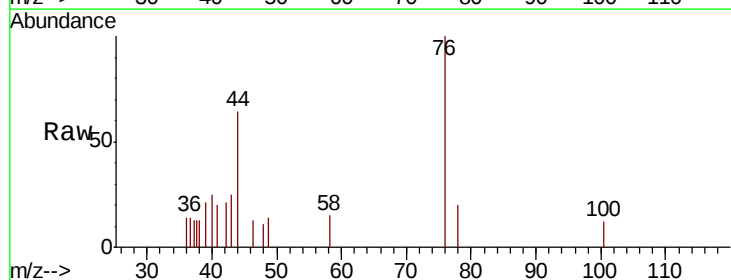
Acq: 09 Apr 2019 17:22

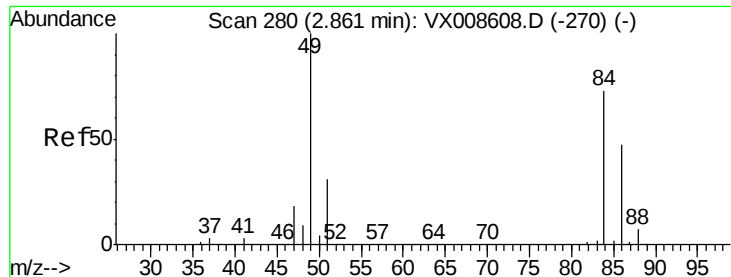
Tgt Ion: 76 Resp: 820

Ion Ratio Lower Upper

76 100

78 19.7 7.1 10.7#

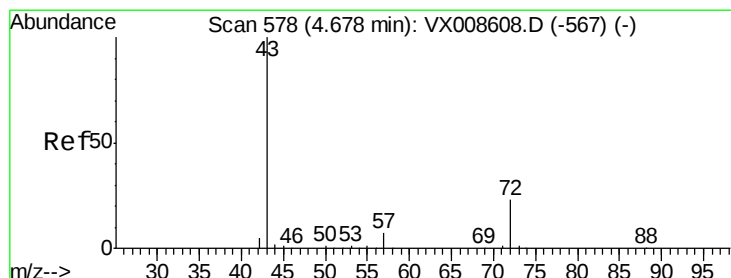
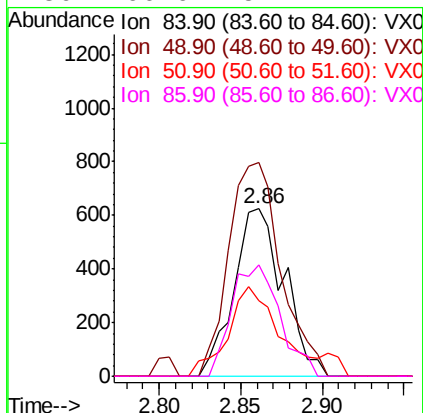
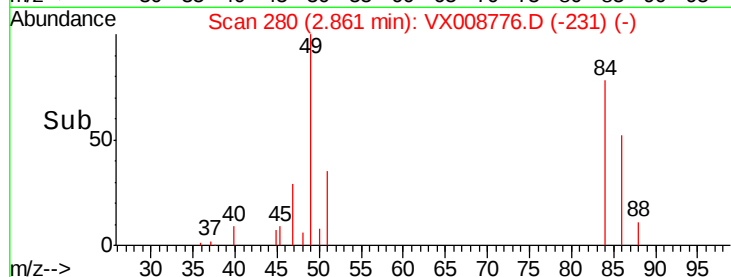
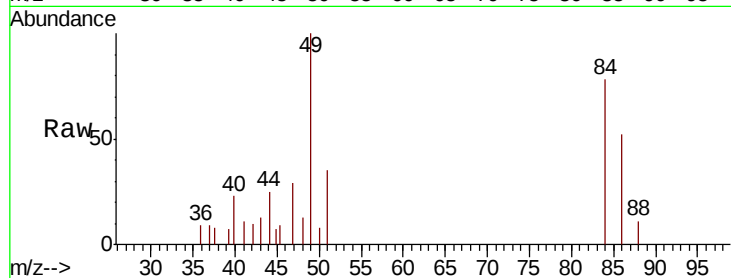




#20
Methylene Chloride
Concen: 0.458 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

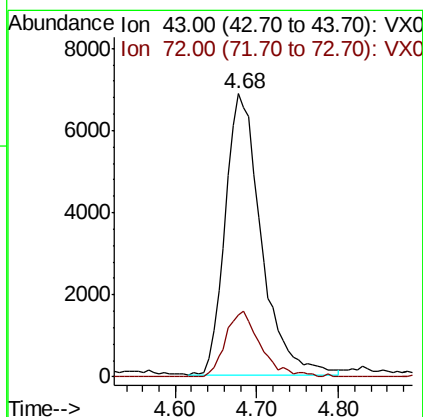
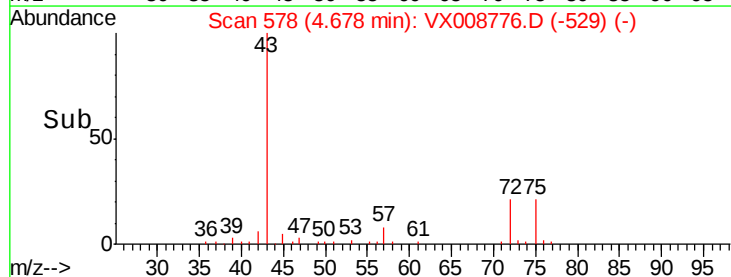
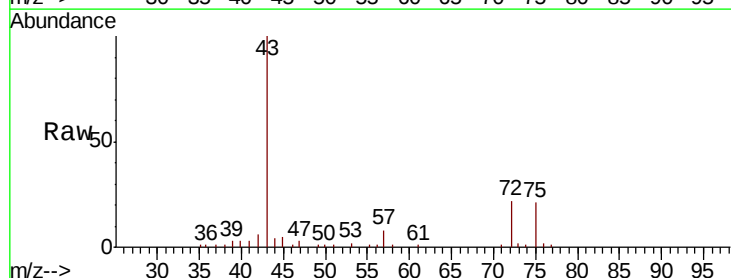
Instrument :
MSVOA_X
ClientSampleId :

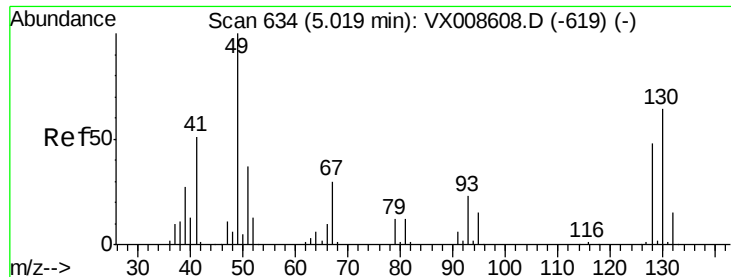
Tot Ion: 84 Resp: 1336
Ion Ratio Lower Upper
84 100
49 127.5 109.7 164.5
51 45.0 33.6 50.4
86 66.6 51.4 77.2



#25
2-Butanone
Concen: 7.571 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion: 43 Resp: 20837
Ion Ratio Lower Upper
43 100
72 21.8 18.2 27.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

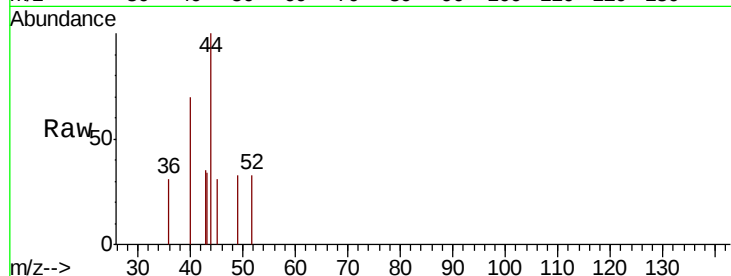
Delta R.T. -0.00 min

Lab File: VX008776.D

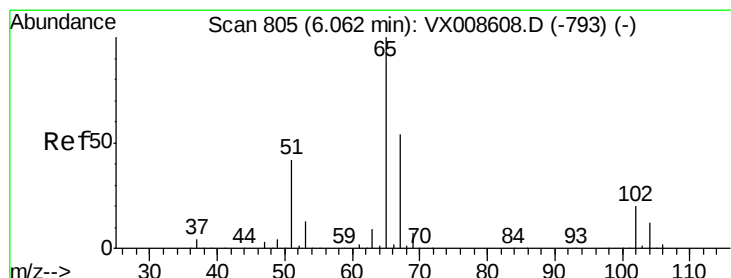
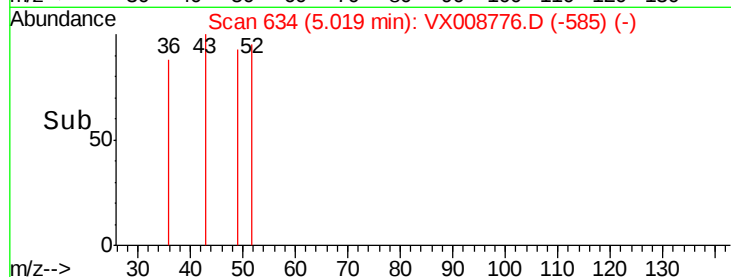
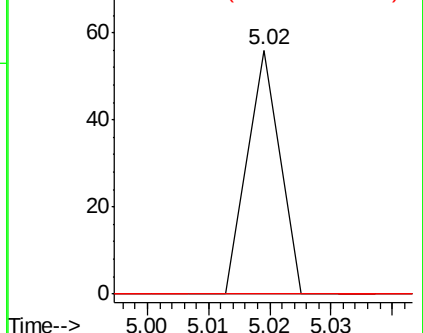
Acq: 09 Apr 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 20
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



#33

1,2-Dichloroethane-d4

Concen: 47.347 ug/l

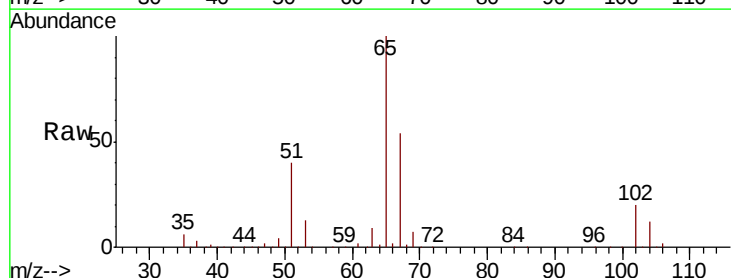
RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

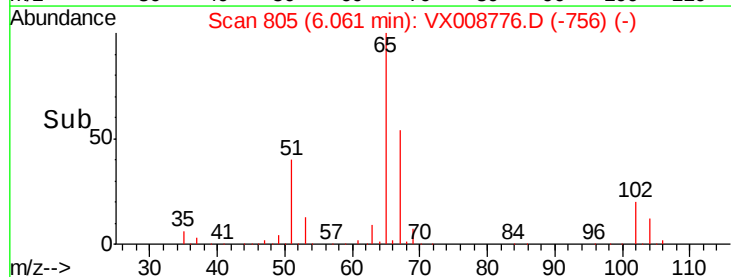
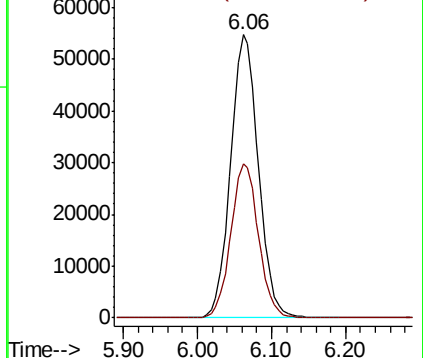
Lab File: VX008776.D

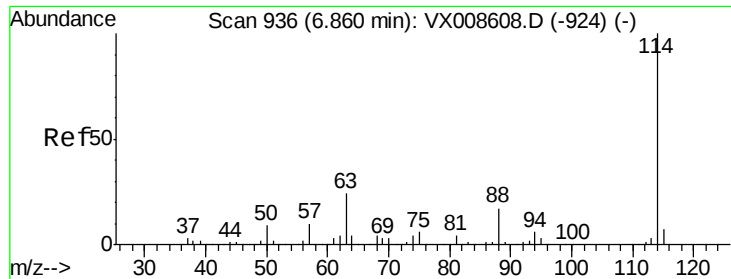
Acq: 09 Apr 2019 17:22

Tgt Ion: 65 Resp: 143151
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



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

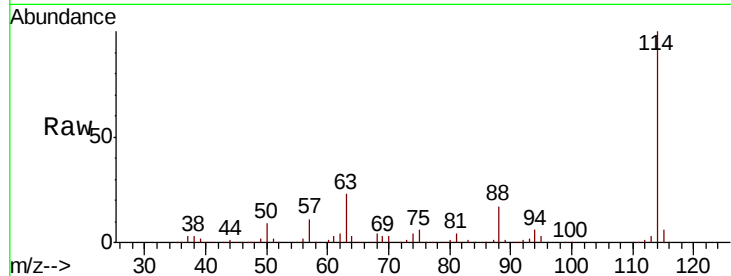




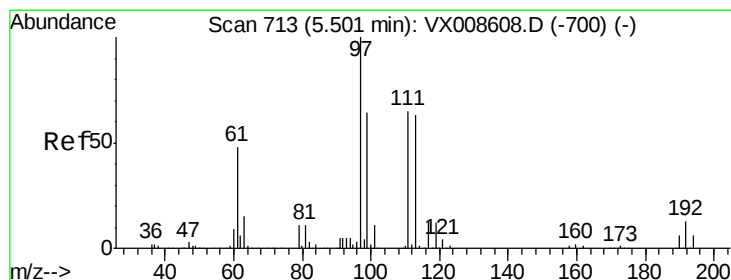
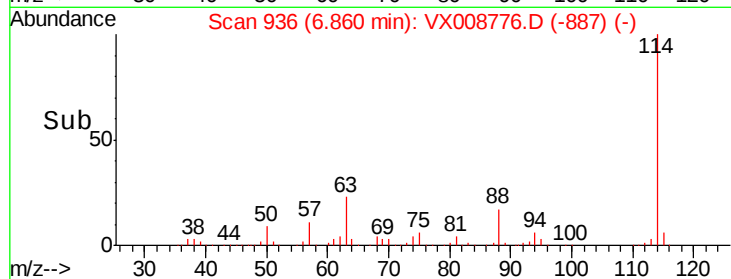
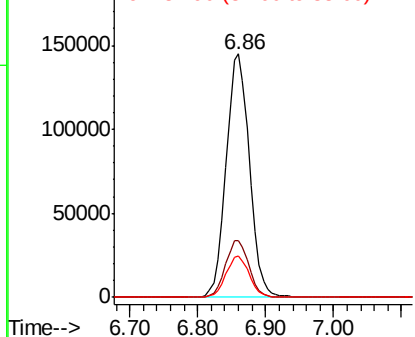
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 343402
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 17.1 0.0 34.0

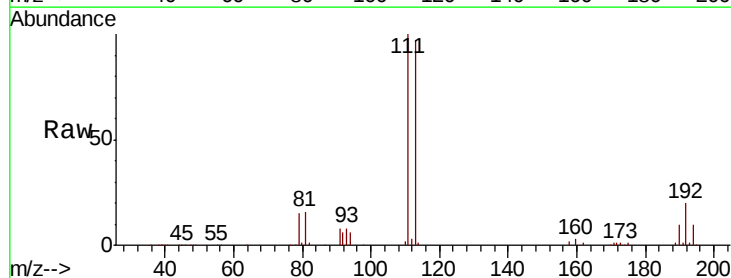


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

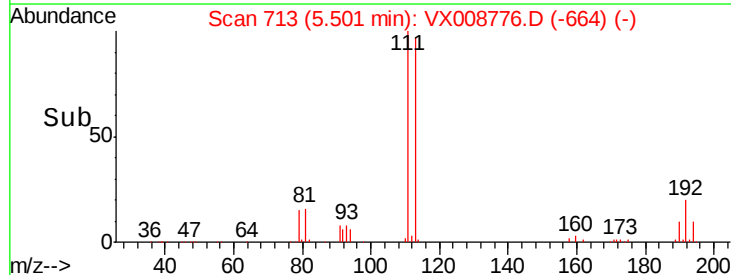
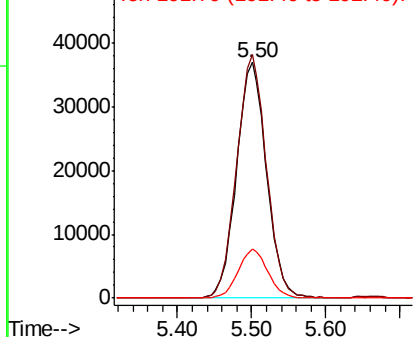


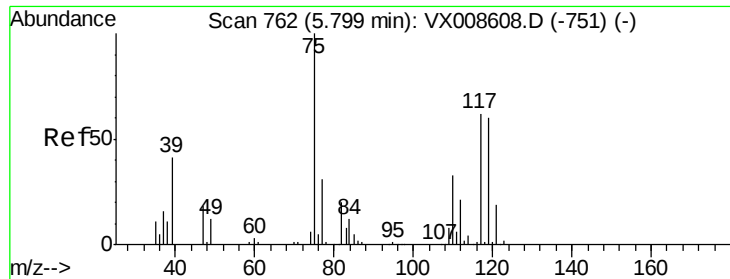
#35
 Dibromofluoromethane
 Concen: 47.592 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

Tgt Ion:113 Resp: 104492
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 20.5 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

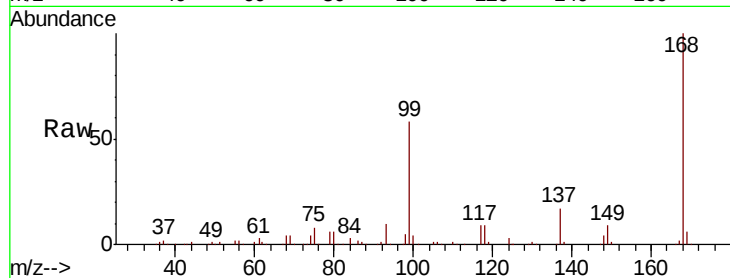




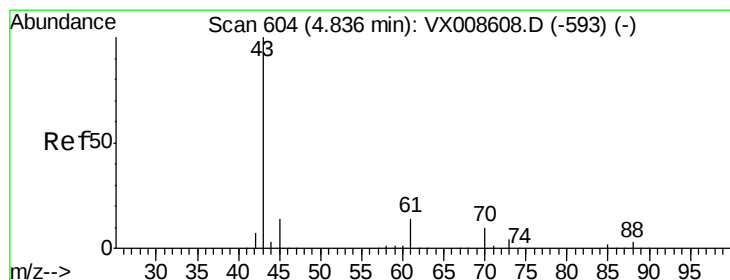
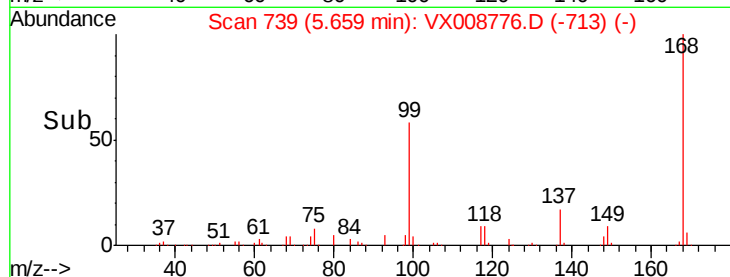
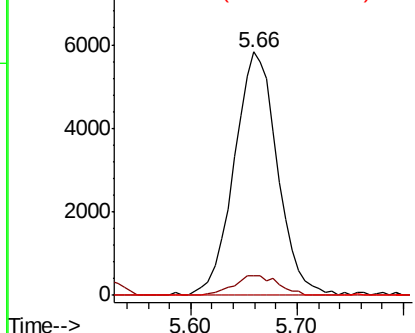
#36
 1,1-Dichloropropene
 Concen: 4.416 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	16575
Ion Ratio	Lower	Upper	
75	100		
110	8.3	16.4	49.2#
77	0.0	24.7	37.1#

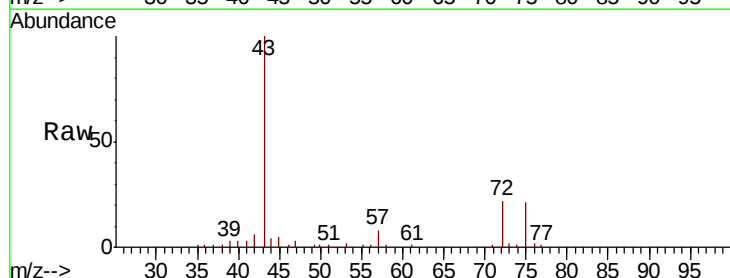


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

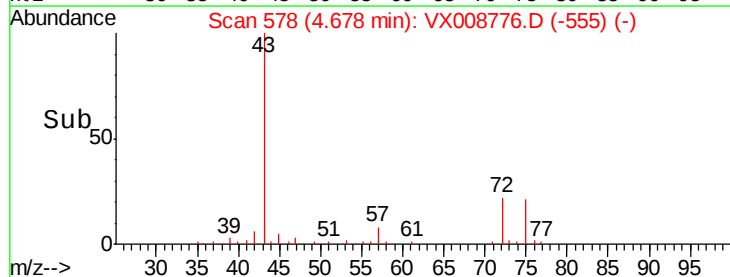
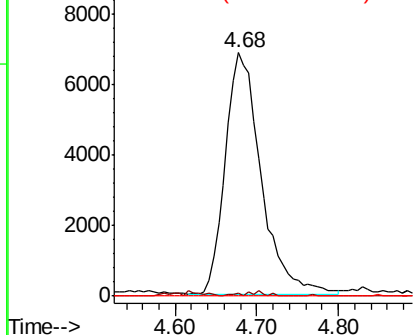


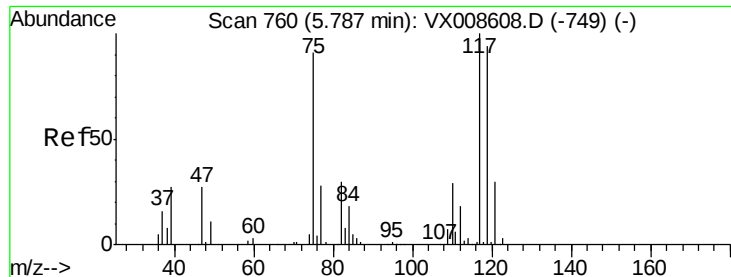
#37
 Ethyl Acetate
 Concen: 4.159 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. -0.16 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

Tgt Ion	43	Resp	20837
Ion Ratio	Lower	Upper	
43	100		
61	0.3	10.3	15.5#
70	0.0	7.6	11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.305 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

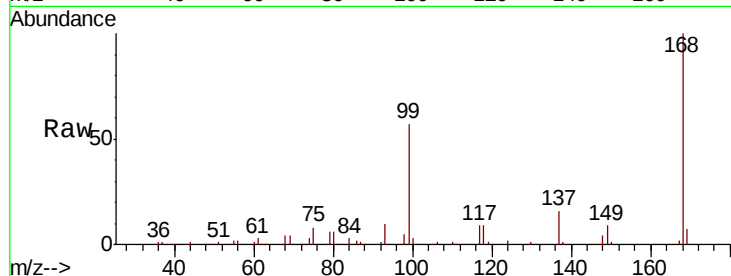
Tot Ion:117 Resp: 19590

Ion Ratio Lower Upper

117 100

119 5.4 75.0 112.6#

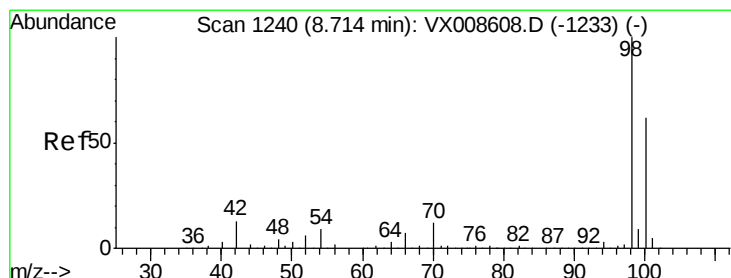
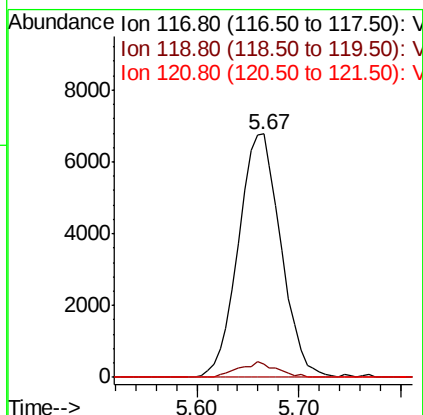
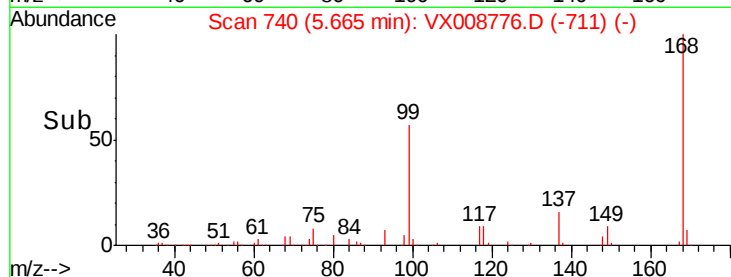
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 49.133 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008776.D

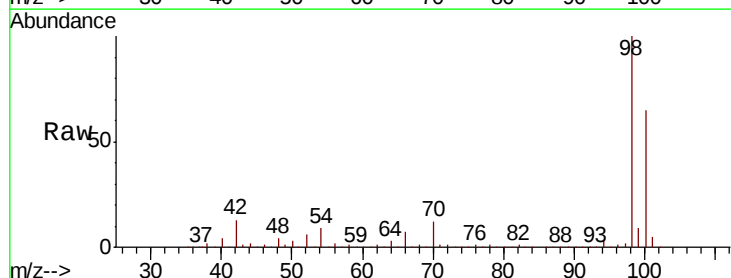
Acq: 09 Apr 2019 17:22

Tgt Ion: 98 Resp: 429532

Ion Ratio Lower Upper

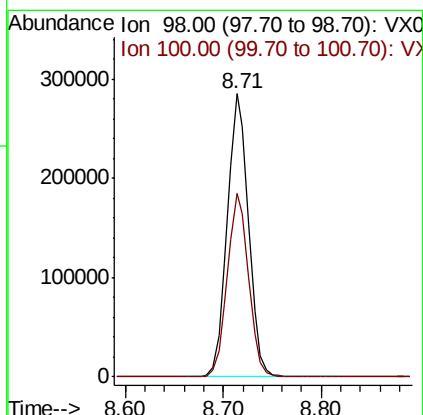
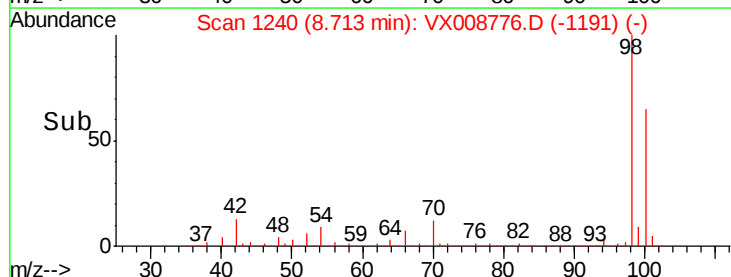
98 100

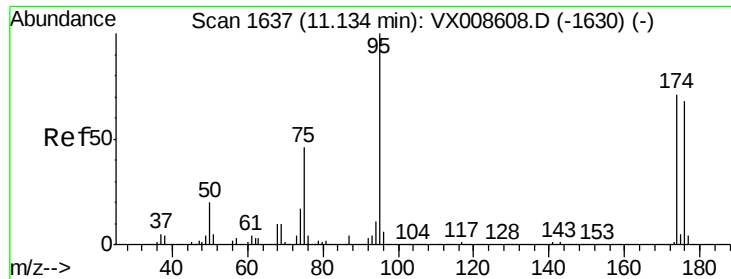
100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.085 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

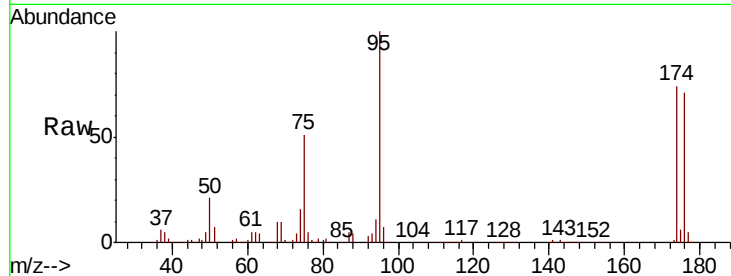
Tot Ion: 95 Resp: 139770

Ion Ratio Lower Upper

95 100

174 77.4 0.0 151.8

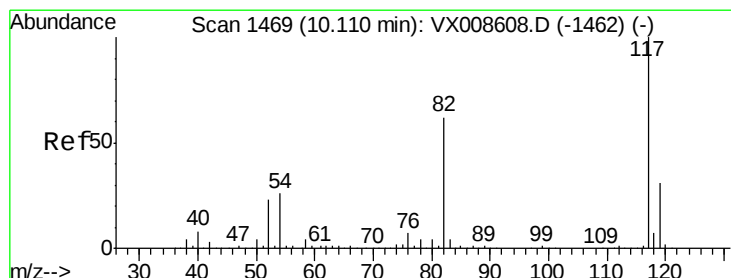
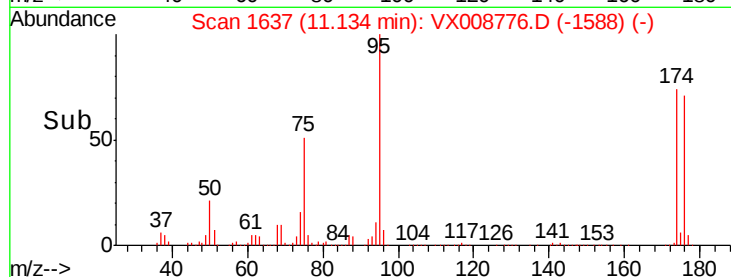
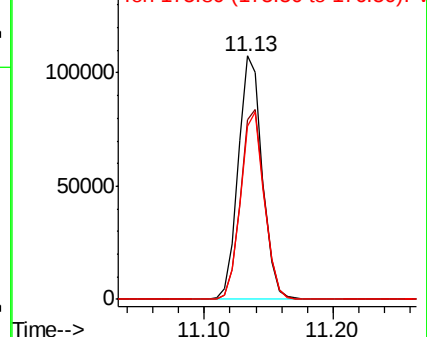
176 75.6 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

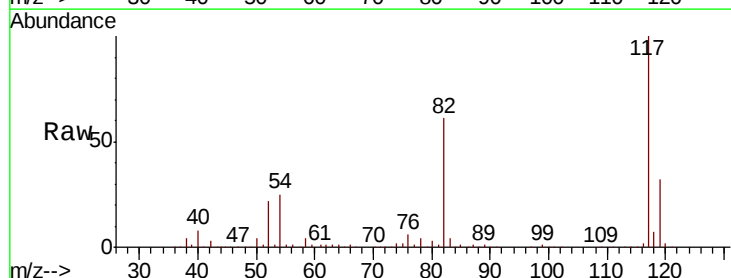
Tgt Ion: 117 Resp: 293774

Ion Ratio Lower Upper

117 100

82 61.1 49.6 74.4

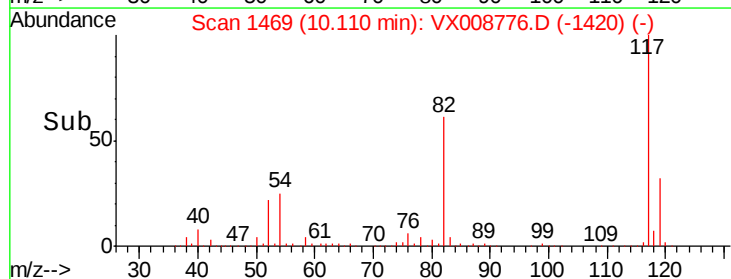
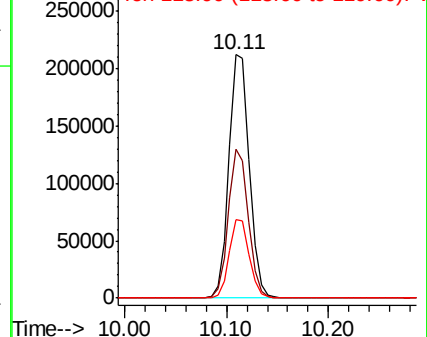
119 32.2 25.0 37.4

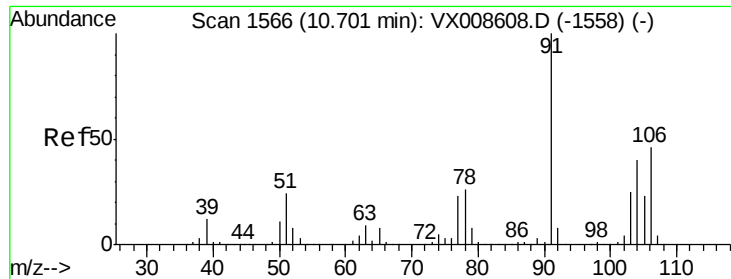


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)

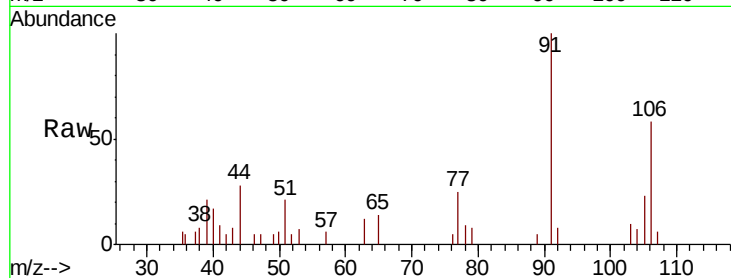




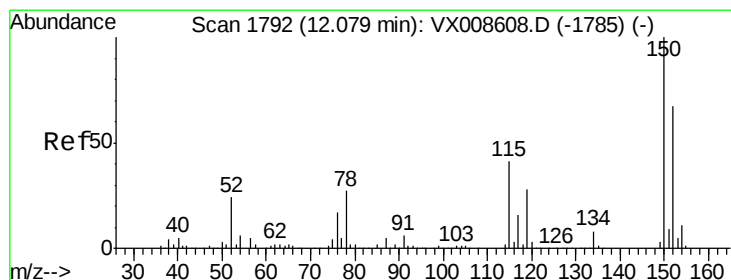
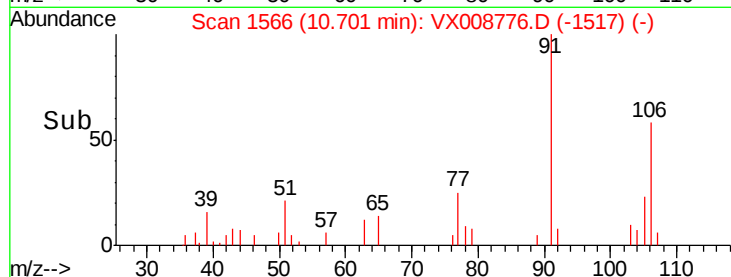
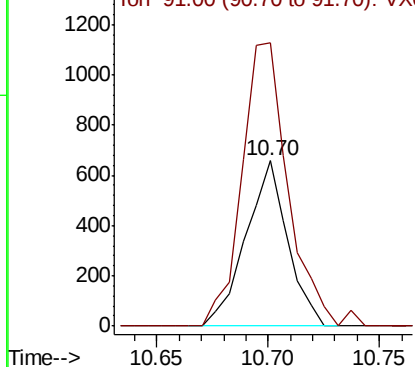
#69
o-Xylene
Concen: 0.203 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 859
Ion Ratio Lower Upper
106 100
91 191.0 111.5 334.4

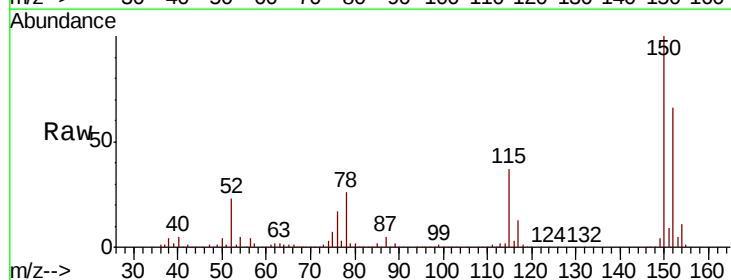


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

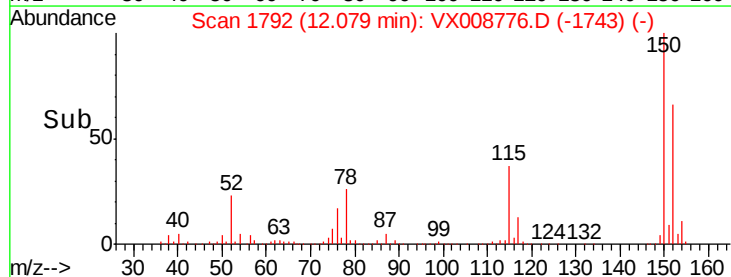
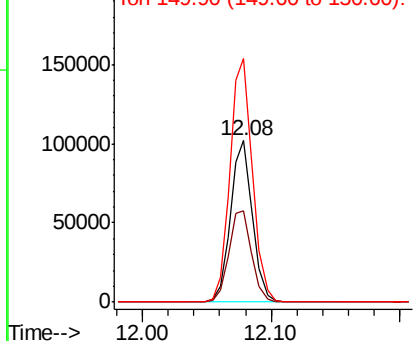


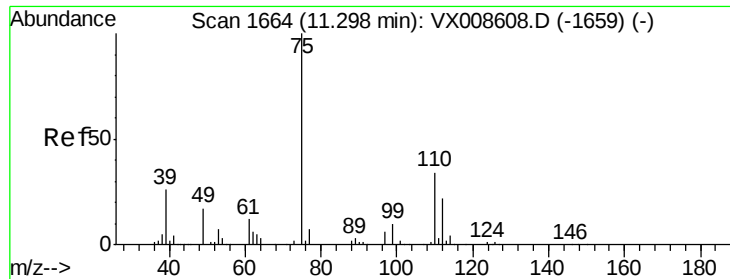
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008776.D
Acq: 09 Apr 2019 17:22

Tgt Ion:152 Resp: 121082
Ion Ratio Lower Upper
152 100
115 59.0 43.5 130.5
150 155.1 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

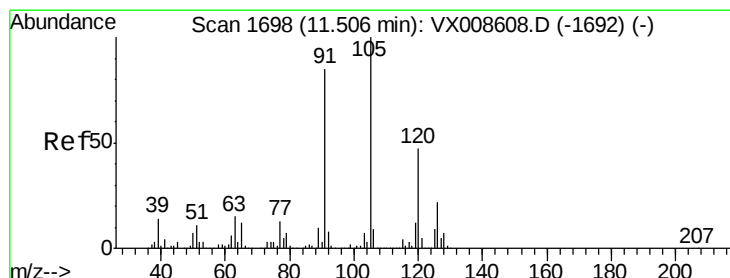
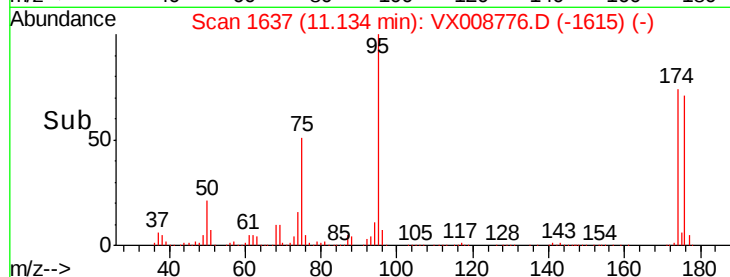
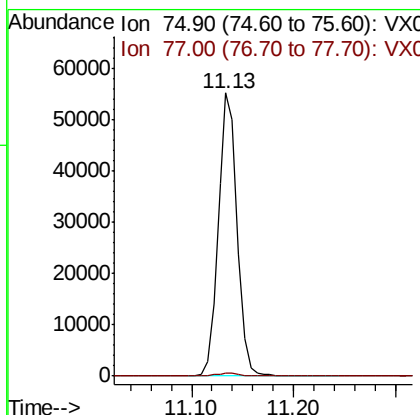
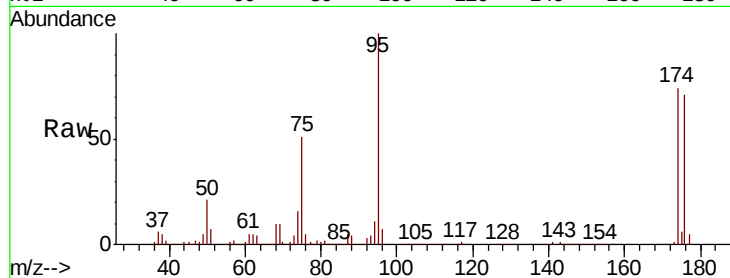




#76
 1,2,3-Trichloropropane
 Concen: 21.373 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

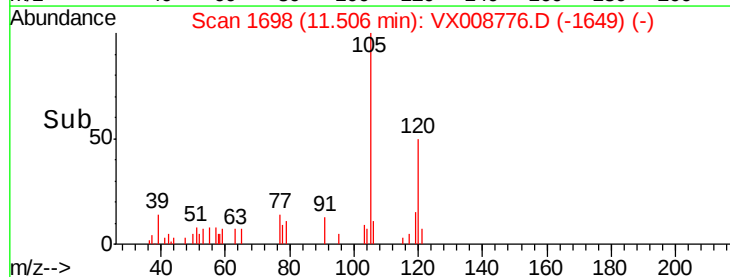
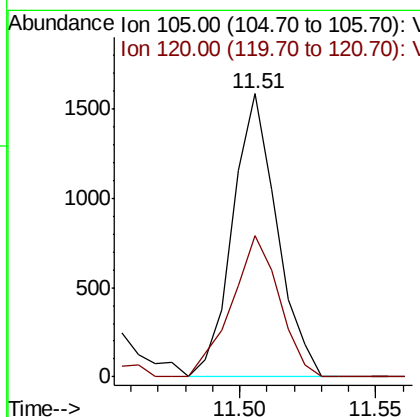
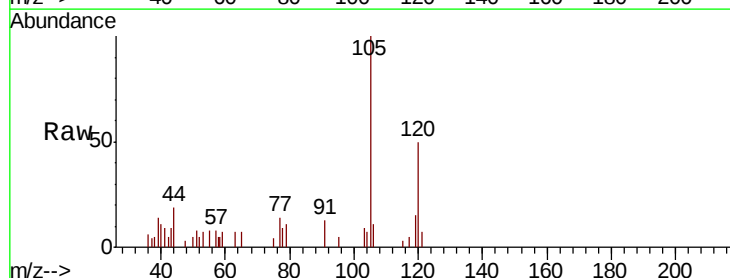
Instrument :
 MSVOA_X
 ClientSampleId :

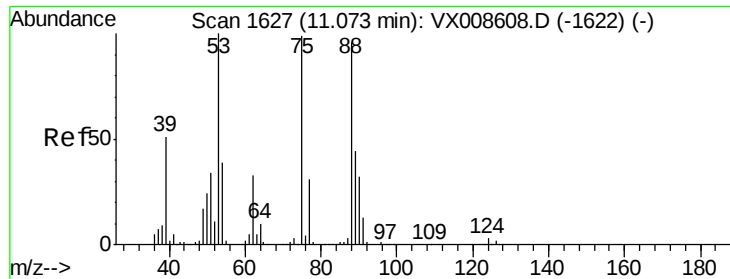
Tot Ion: 75 Resp: 71093
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008776.D
 Acq: 09 Apr 2019 17:22

Tgt Ion:105 Resp: 1781
 Ion Ratio Lower Upper
 105 100
 120 53.8 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.917 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

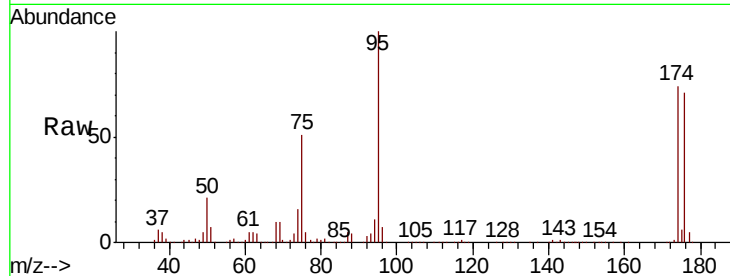
Tot Ion: 75 Resp: 71093

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

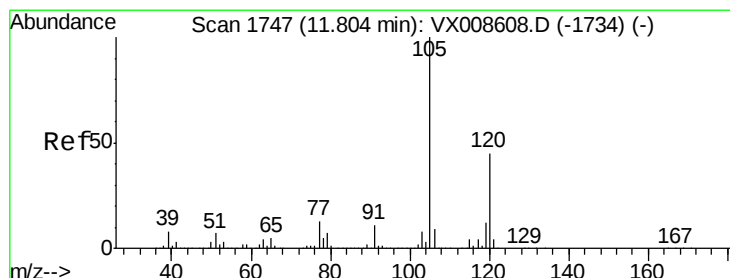
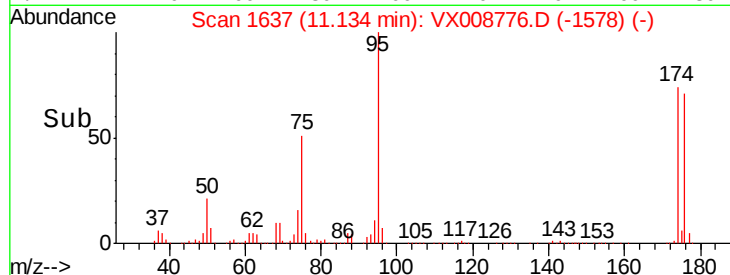
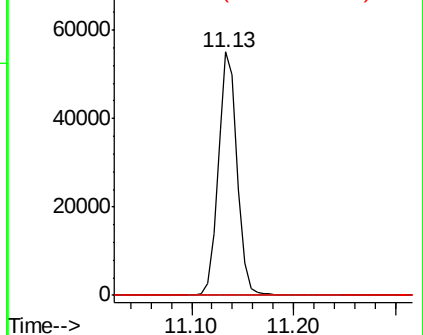
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.394 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008776.D

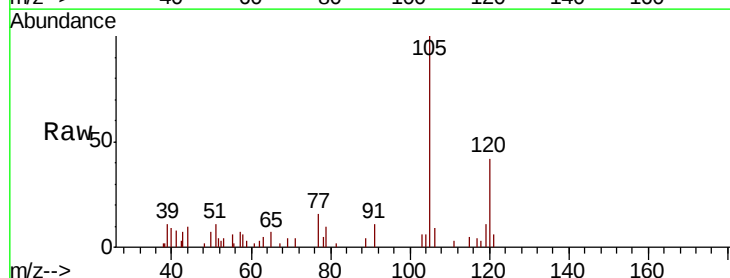
Acq: 09 Apr 2019 17:22

Tgt Ion:105 Resp: 3363

Ion Ratio Lower Upper

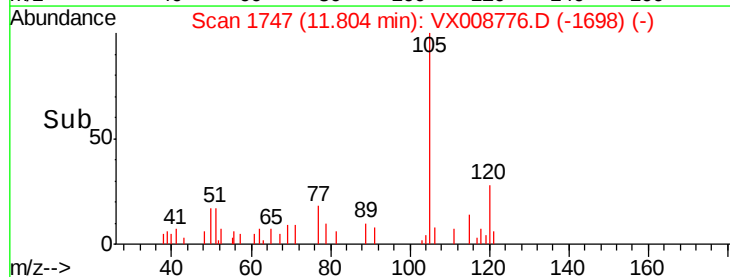
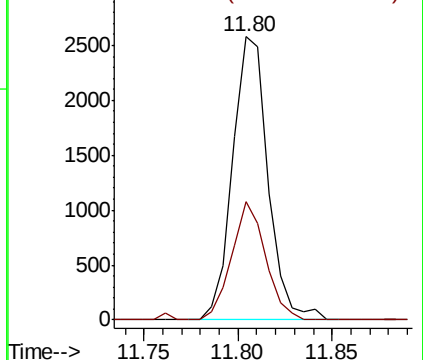
105 100

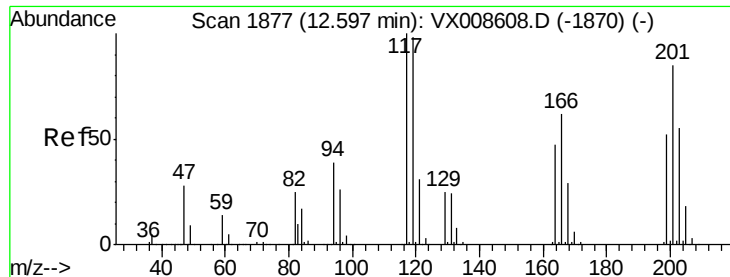
120 39.9 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.256 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

Instrument :

MSVOA_X

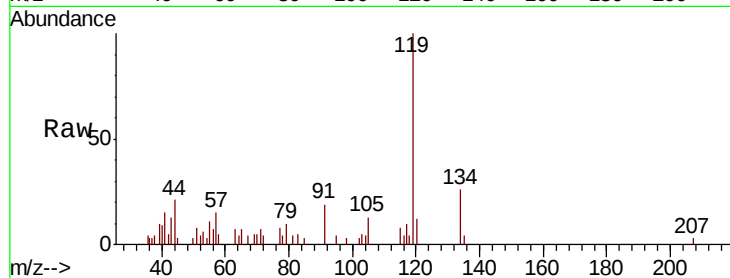
ClientSampleId :

Tot Ion:117 Resp: 367

Ion Ratio Lower Upper

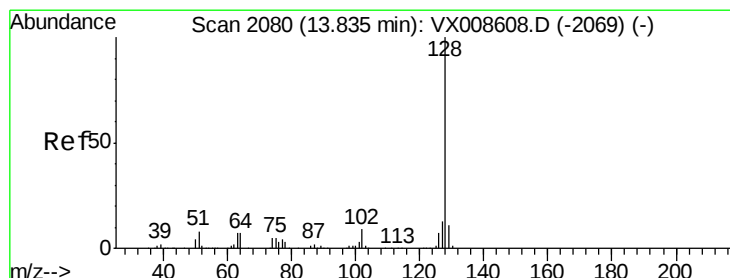
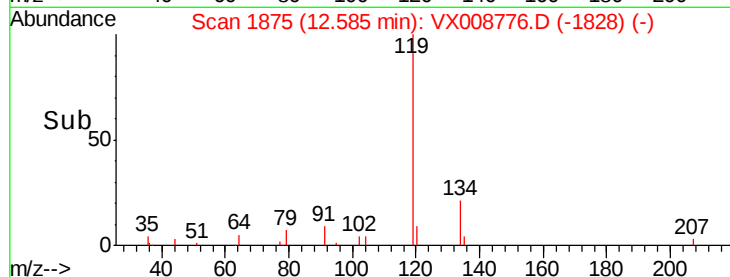
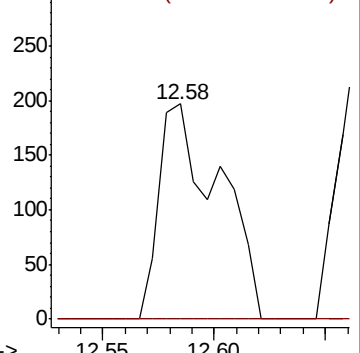
117 100

201 0.0 40.6 122.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.791 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008776.D

Acq: 09 Apr 2019 17:22

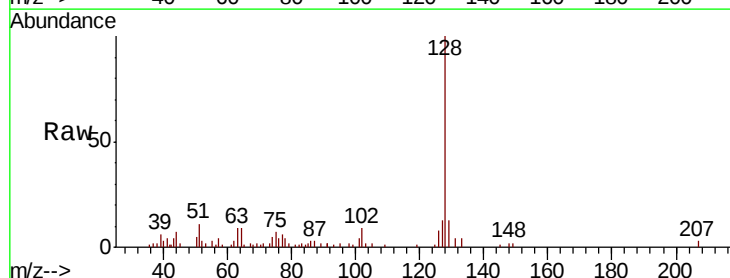
Tgt Ion:128 Resp: 7877

Ion Ratio Lower Upper

128 100

127 16.0 10.4 15.6#

129 17.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

