

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010558.D
 Acq On : 29 Jun 2019 01:07
 Operator : JC/SP
 Sample : K3570-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ERM-19

Quant Time: Jun 29 04:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159431	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	117551	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	5.50	113	114832	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	8.71	98	438696	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.13	95	147354	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

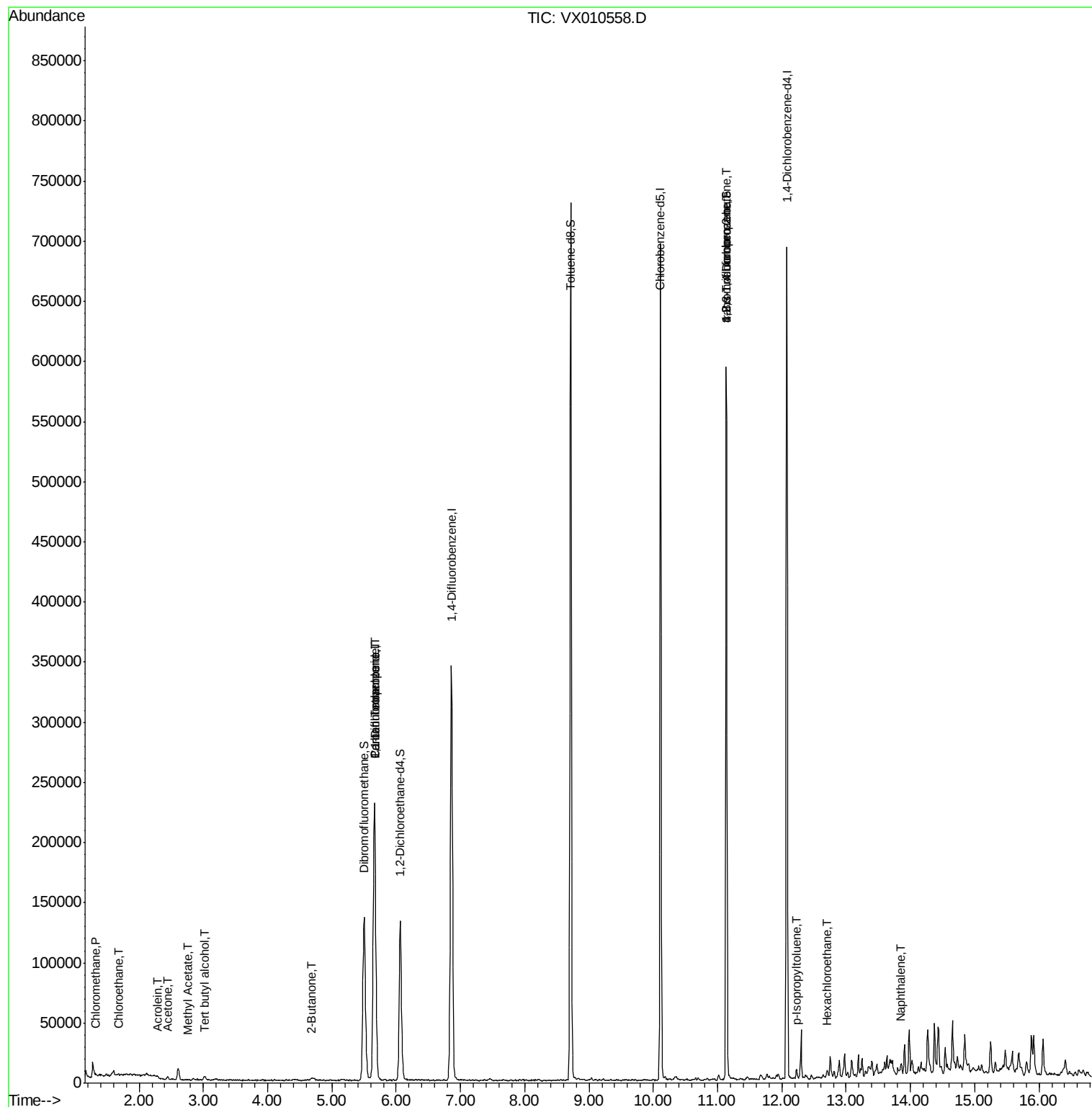
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1487	0.752	ug/l #	71
6) Chloroethane	1.70	64	326	0.255	ug/l #	64
11) Tert butyl alcohol	3.02	59	2161	3.608	ug/l	97
13) Acrolein	2.28	56	157	0.395	ug/l #	52
16) Acetone	2.45	43	3002	2.617	ug/l	90
18) Methyl Acetate	2.76	43	494	0.216	ug/l #	58
25) 2-Butanone	4.68	43	377	0.224	ug/l #	46
36) 1,1-Dichloropropene	5.67	75	15551	5.205	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21306	6.585	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	70323	24.205	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70323	56.469	ug/l #	16
86) p-Isopropyltoluene	12.23	119	3498	0.360	ug/l	95
90) Hexachloroethane	12.70	117	1332	0.793	ug/l #	5
95) Naphthalene	13.84	128	2327	0.209	ug/l #	66

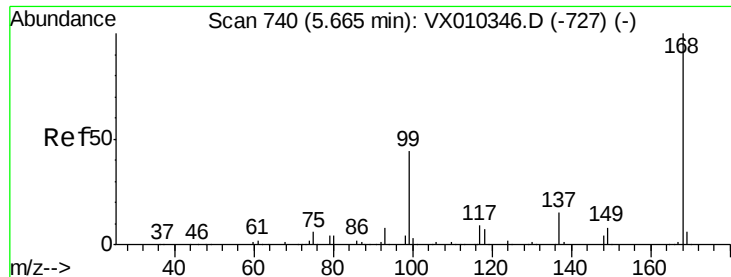
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

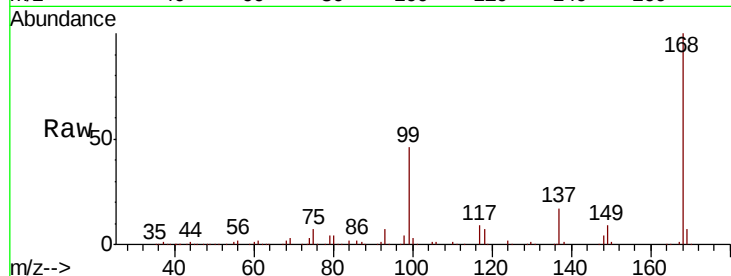
ERM-19

Tot Ion:168 Resp: 244148

Ion Ratio Lower Upper

168 100

99 46.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

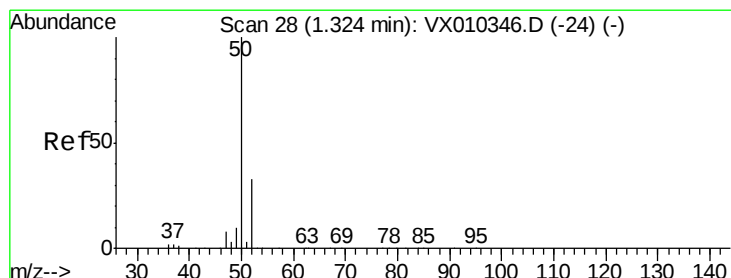
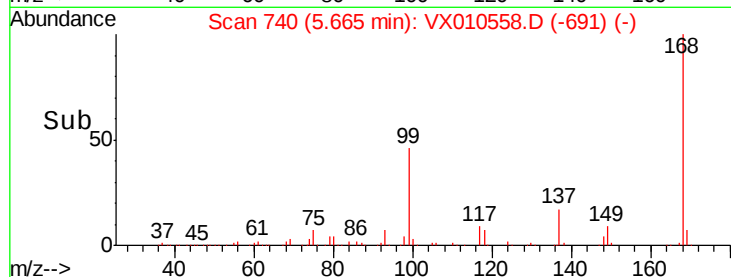
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.752 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010558.D

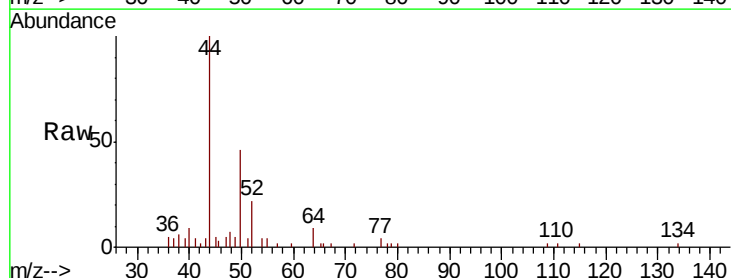
Acq: 29 Jun 2019 01:07

Tgt Ion: 50 Resp: 1487

Ion Ratio Lower Upper

50 100

52 49.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1500

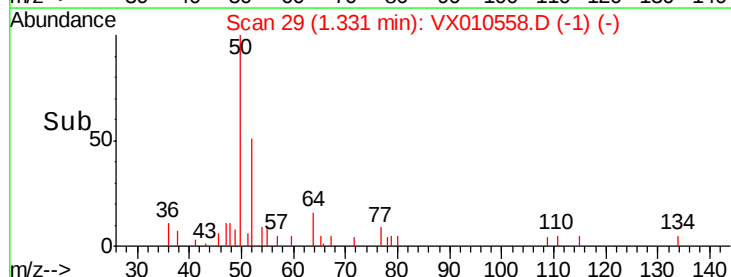
1000

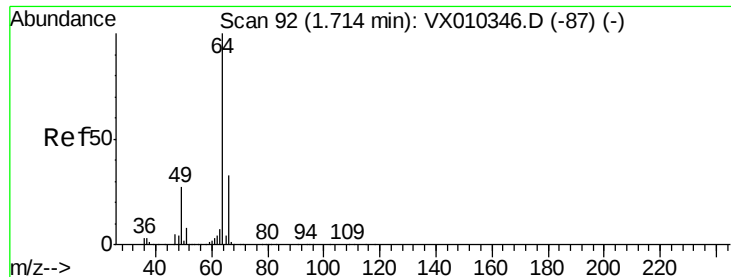
500

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 0.255 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampled :

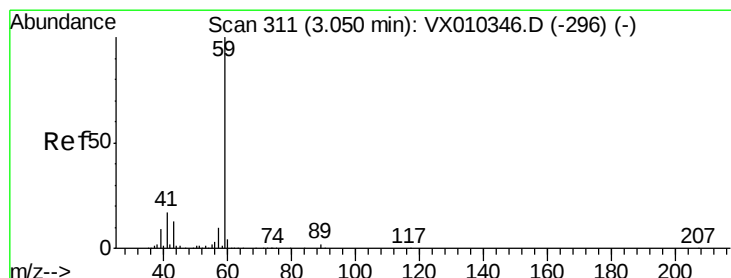
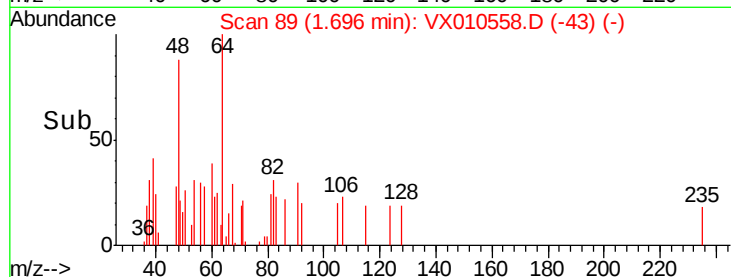
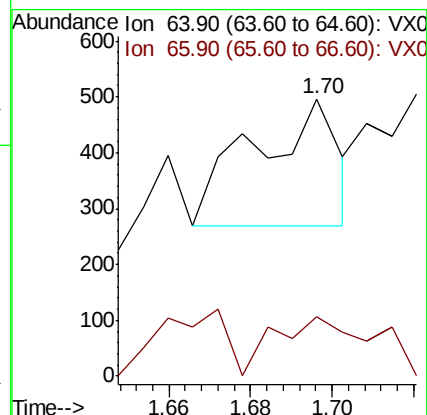
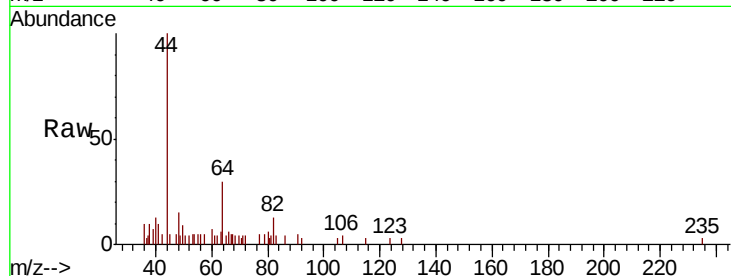
ERM-19

Tot Ion: 64 Resp: 326

Ion Ratio Lower Upper

64 100

66 12.8 26.6 40.0#



#11

Tert butyl alcohol

Concen: 3.608 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010558.D

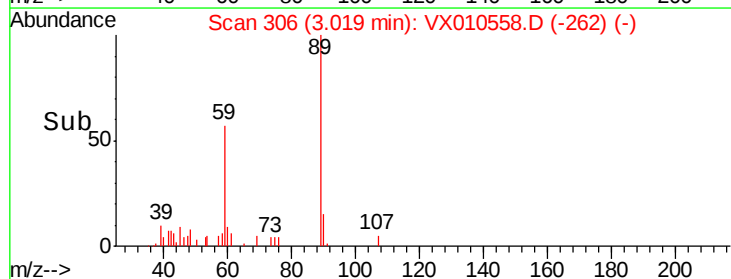
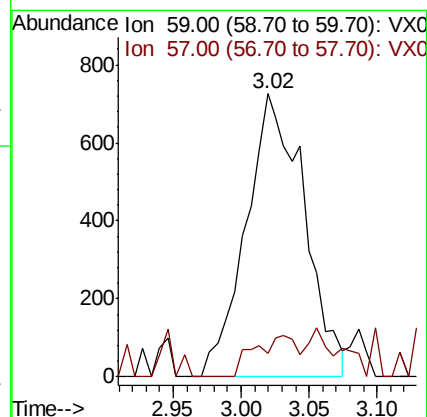
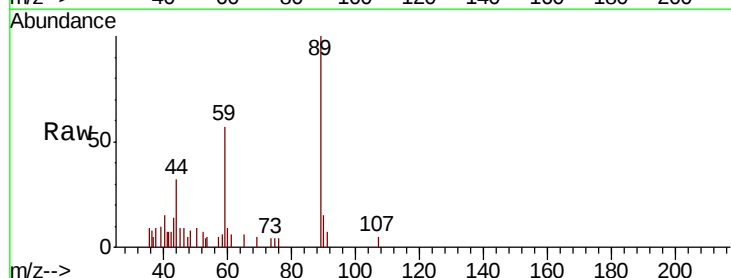
Acq: 29 Jun 2019 01:07

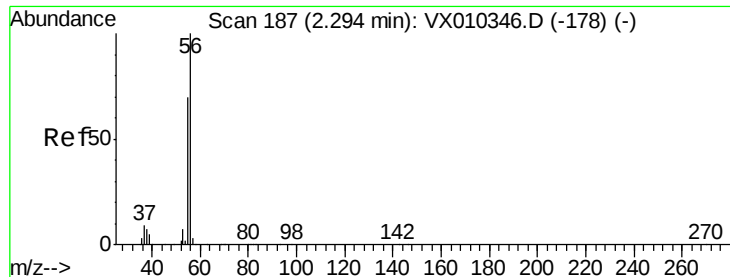
Tgt Ion: 59 Resp: 2161

Ion Ratio Lower Upper

59 100

57 10.7 7.7 11.5





#13

Acrolein

Concen: 0.395 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampled :

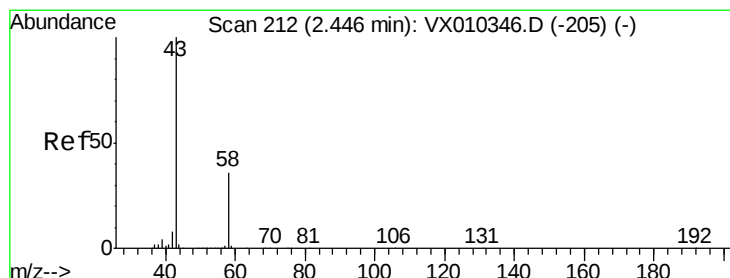
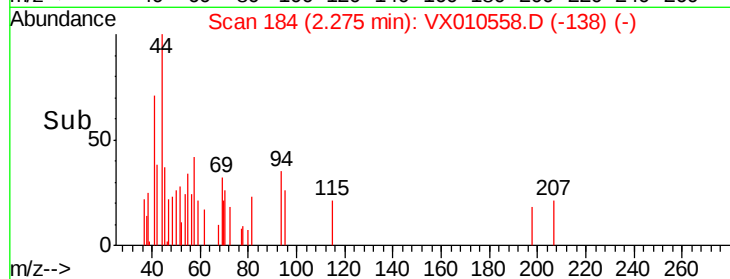
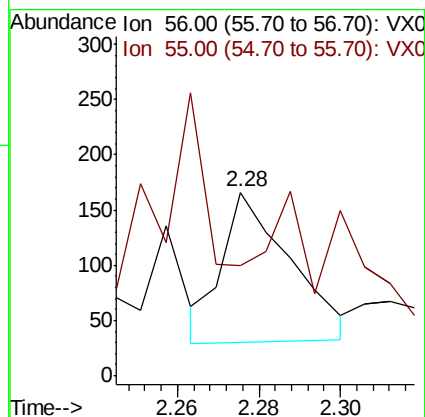
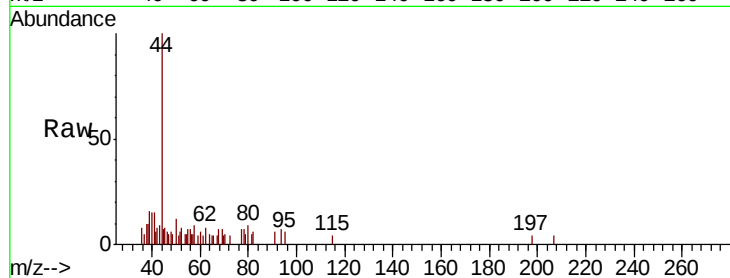
ERM-19

Tot Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 31.2 56.9 85.3#



#16

Acetone

Concen: 2.617 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010558.D

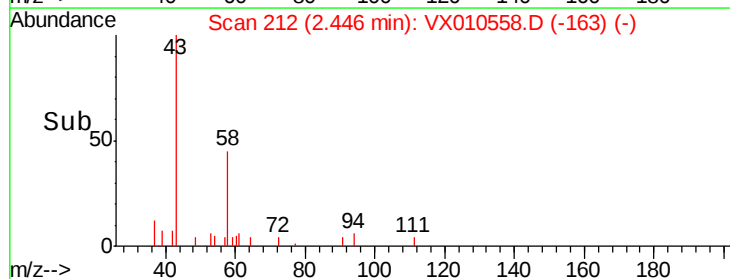
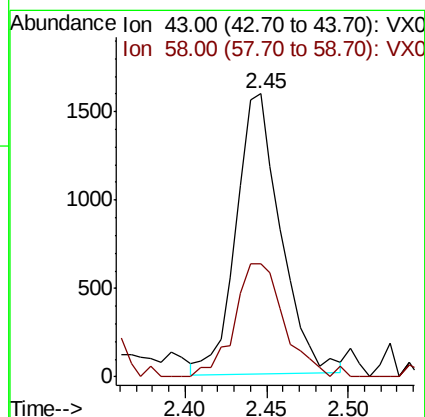
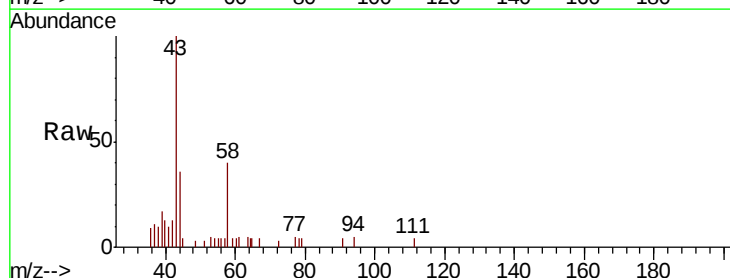
Acq: 29 Jun 2019 01:07

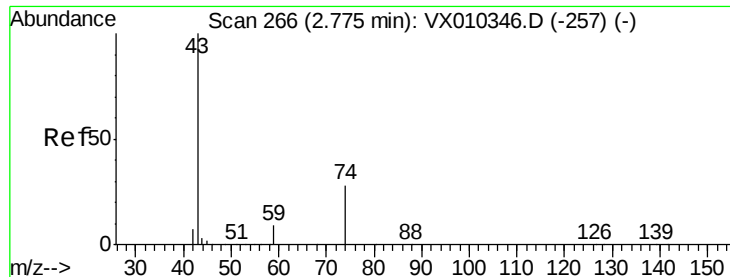
Tgt Ion: 43 Resp: 3002

Ion Ratio Lower Upper

43 100

58 41.9 28.9 43.3

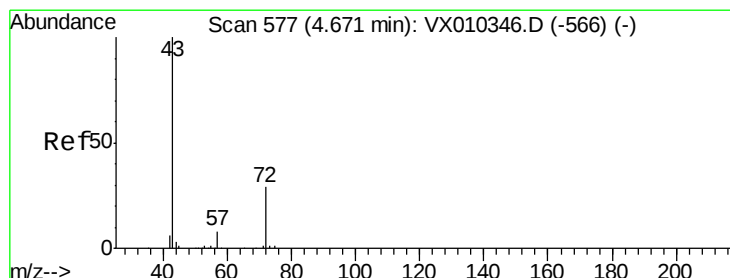
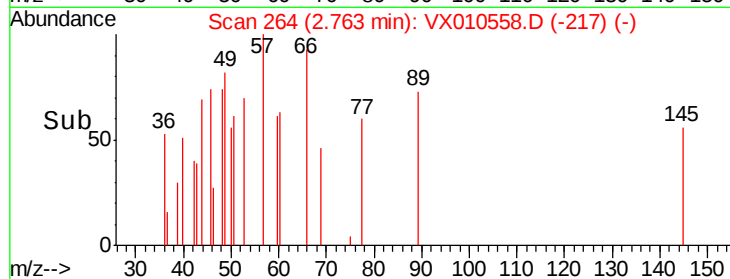
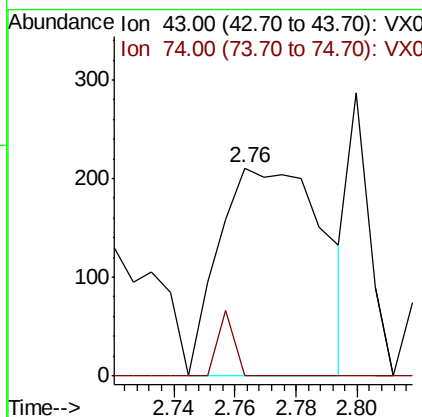
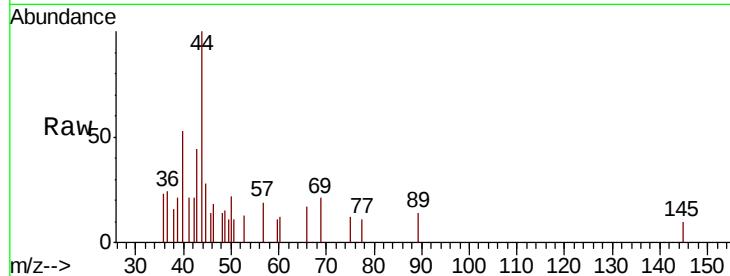




#18
Methvl Acetate
Concen: 0.216 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX010558.D
Acq: 29 Jun 2019 01:07

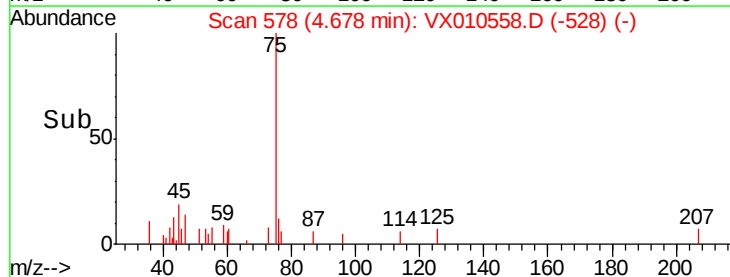
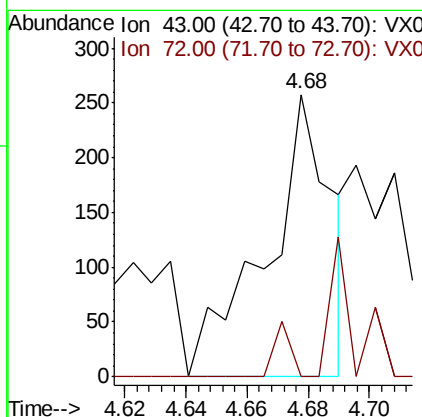
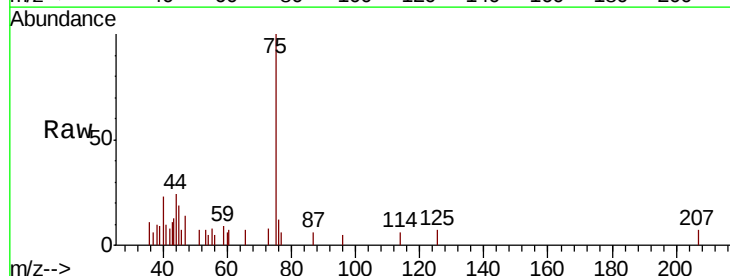
Instrument :
MSVOA_X
ClientSampled :
ERM-19

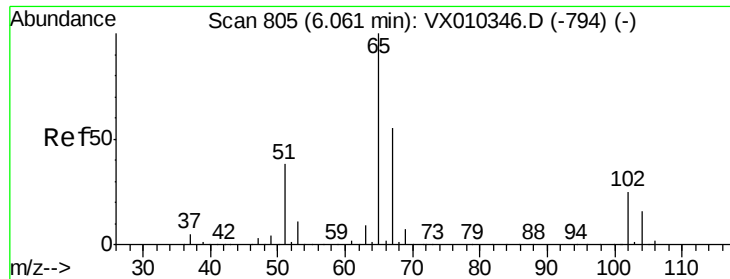
Tot Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
74 4.9 21.3 31.9#



#25
2-Butanone
Concen: 0.224 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX010558.D
Acq: 29 Jun 2019 01:07

Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#





#33

1,2-Dichloroethane-d4

Concen: 51.352 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampled :

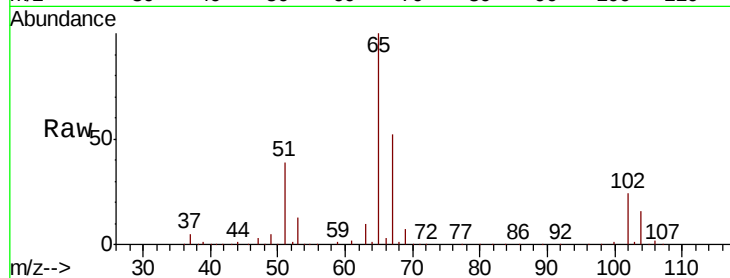
ERM-19

Tot Ion: 65 Resp: 117551

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

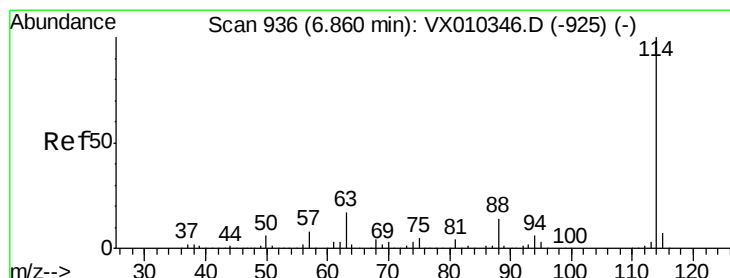
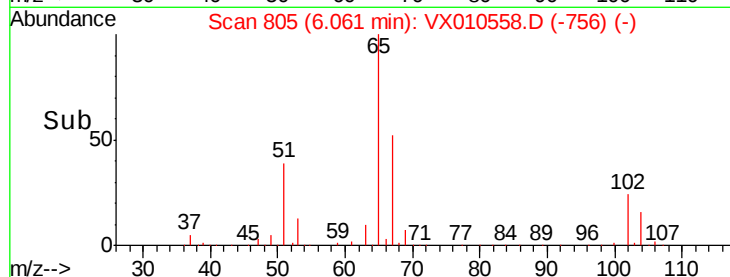
20000

10000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

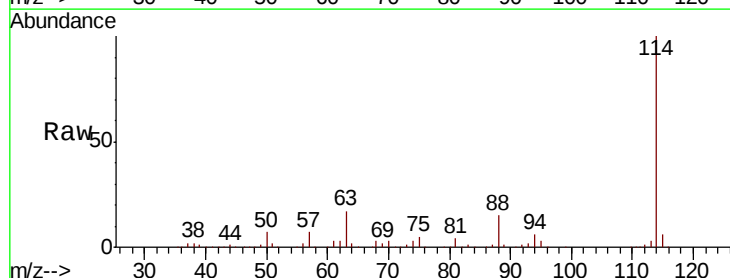
Tgt Ion: 114 Resp: 375982

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

88 14.6 0.0 27.6



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

200000

150000

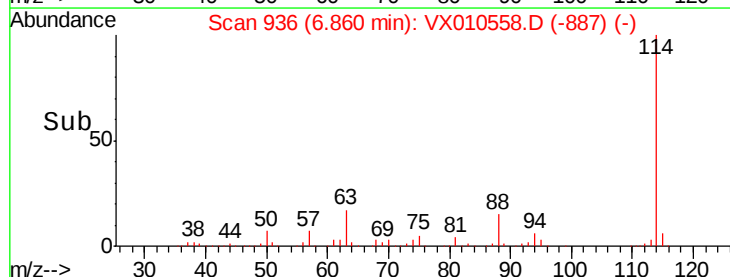
100000

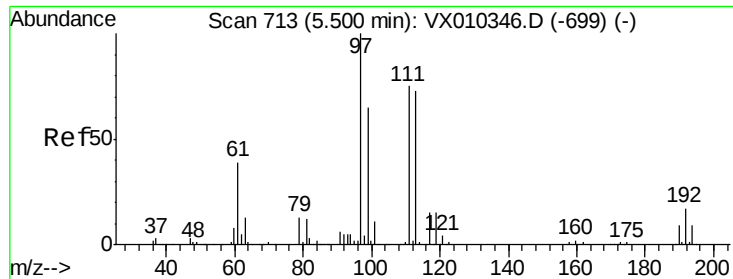
50000

0

6.80 6.90 7.00

Time-->

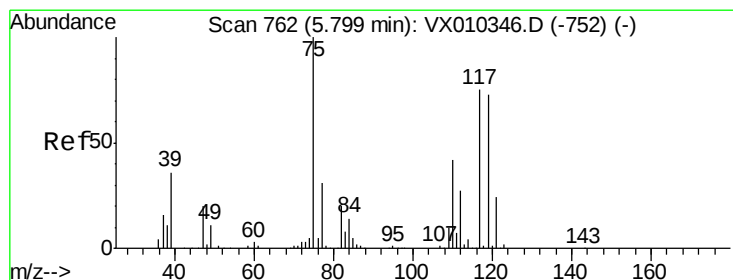
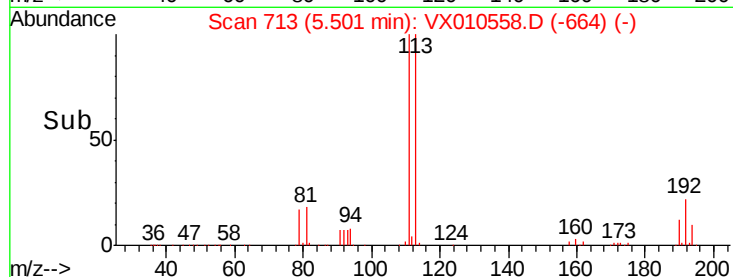
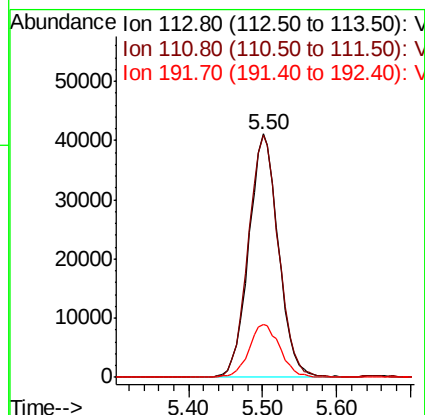
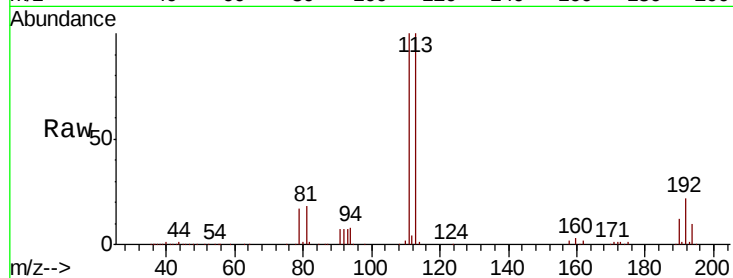




#35
 Dibromofluoromethane
 Concen: 49.918 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010558.D
 Acq: 29 Jun 2019 01:07

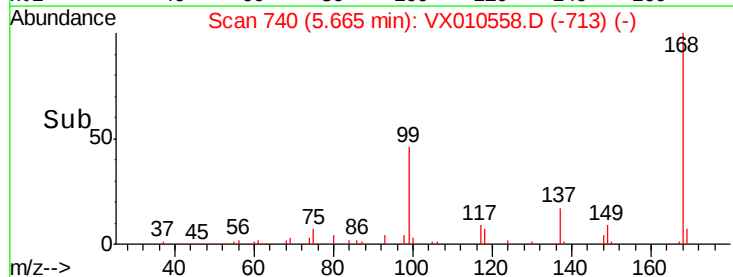
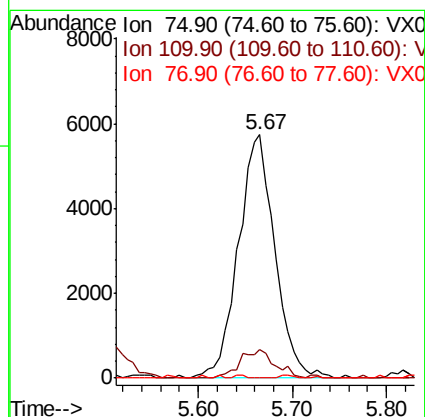
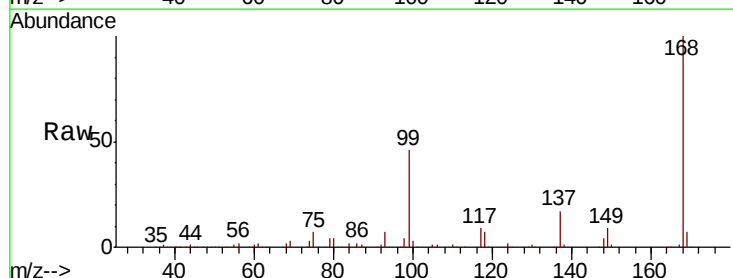
Instrument :
 MSVOA_X
 ClientSampled :
 ERM-19

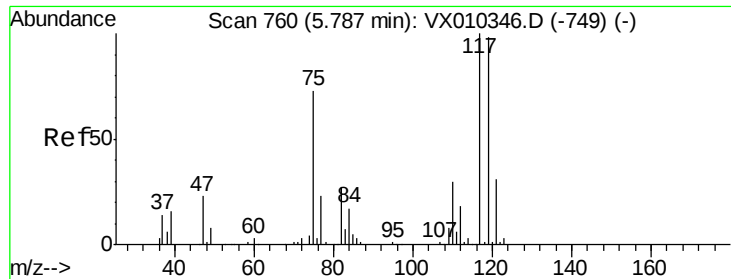
Tot Ion:113 Resp: 114832
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.2 121.8
 192 22.7 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.205 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010558.D
 Acq: 29 Jun 2019 01:07

Tgt Ion: 75 Resp: 15551
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.8 62.2#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.585 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampled :

ERM-19

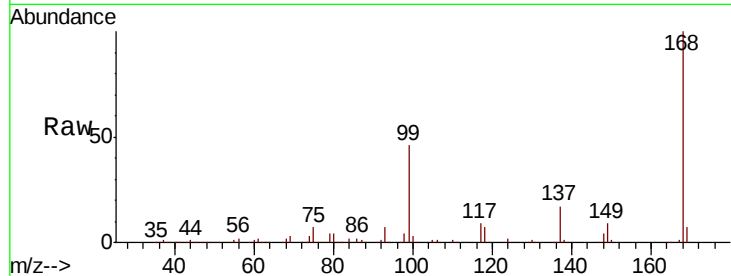
Tot Ion:117 Resp: 21306

Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.4#

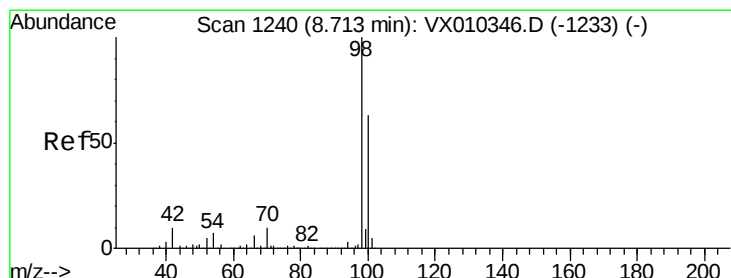
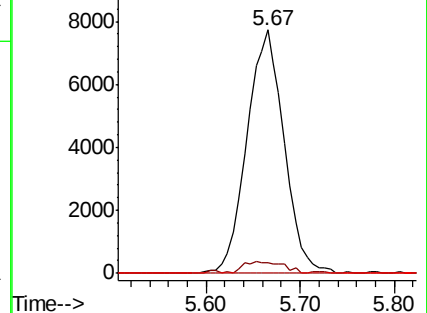
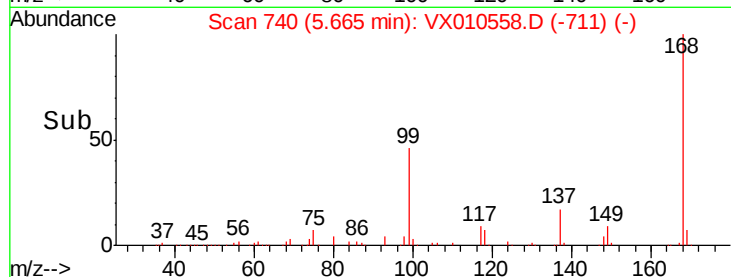
121 0.0 24.7 37.1#



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: 49.847 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010558.D

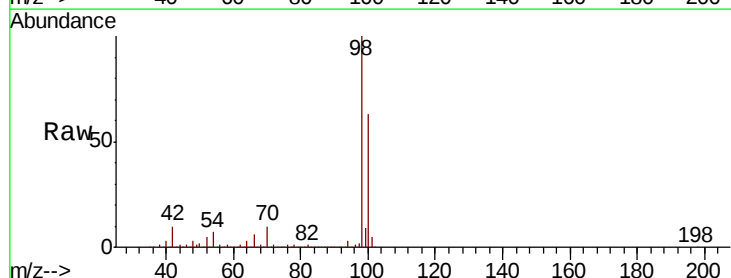
Acq: 29 Jun 2019 01:07

Tgt Ion: 98 Resp: 438696

Ion Ratio Lower Upper

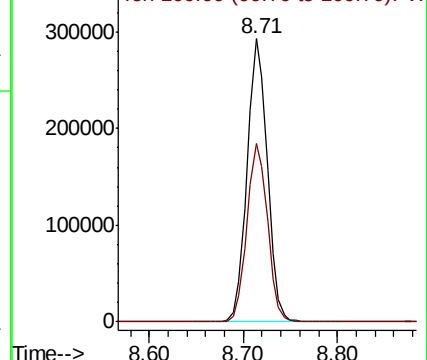
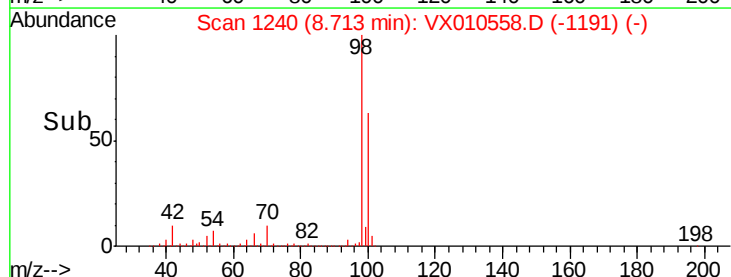
98 100

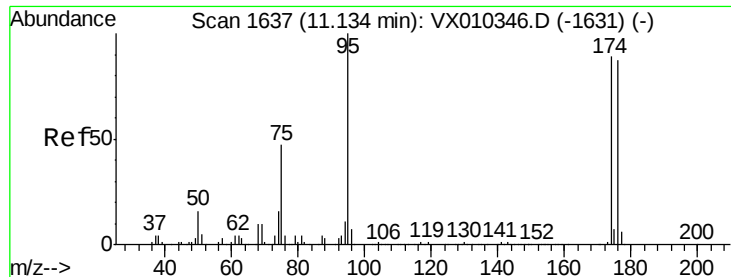
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.376 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

ERM-19

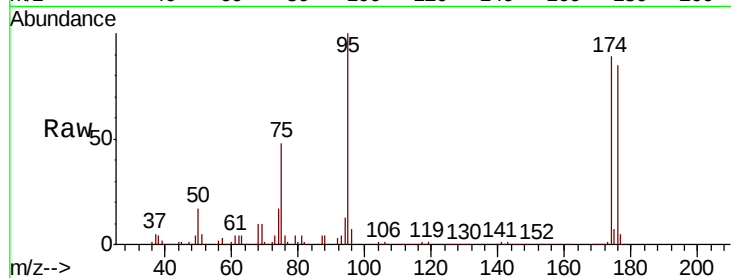
Tot Ion: 95 Resp: 147354

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.6

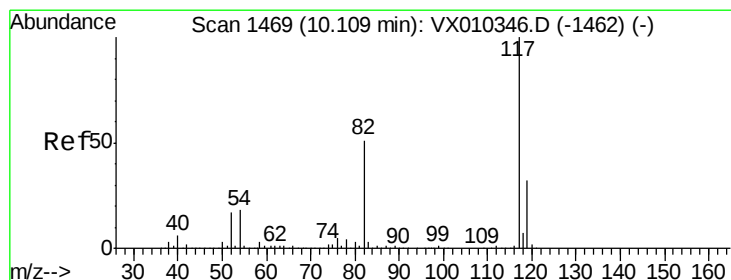
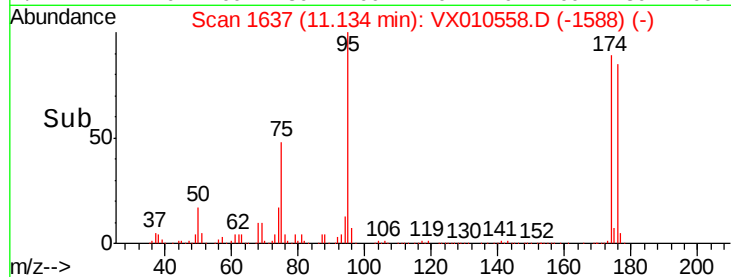
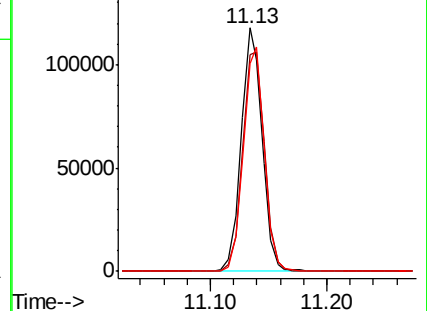
176 92.1 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

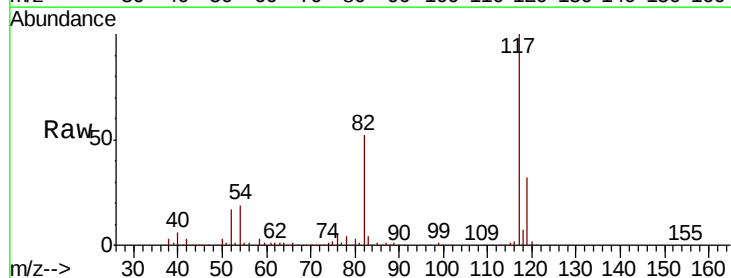
Tgt Ion: 117 Resp: 335864

Ion Ratio Lower Upper

117 100

82 52.2 41.2 61.8

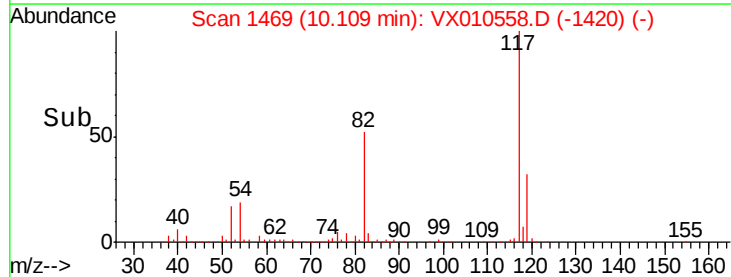
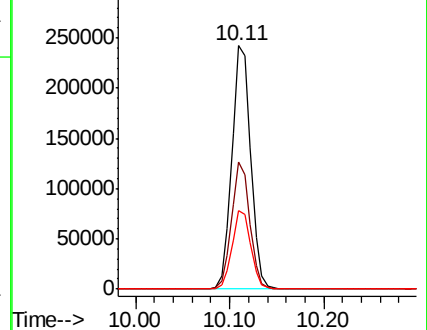
119 32.0 25.5 38.3

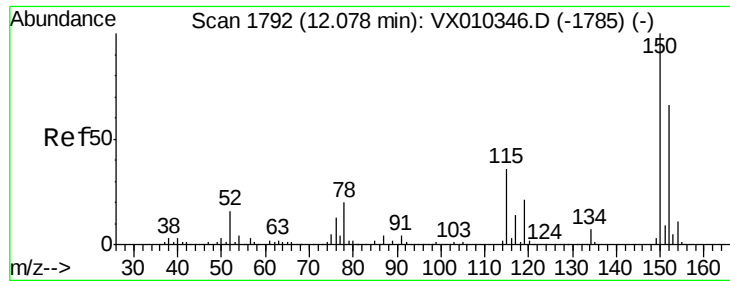


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampled :

ERM-19

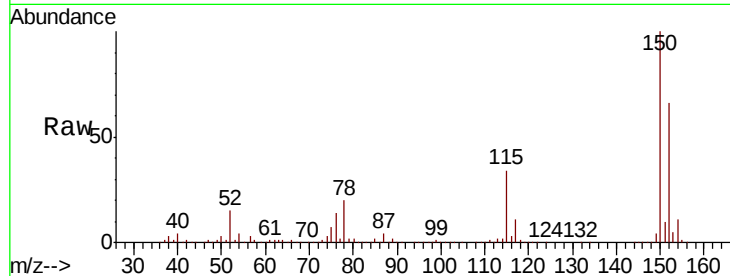
Tot Ion:152 Resp: 159431

Ion Ratio Lower Upper

152 100

115 53.7 38.6 115.7

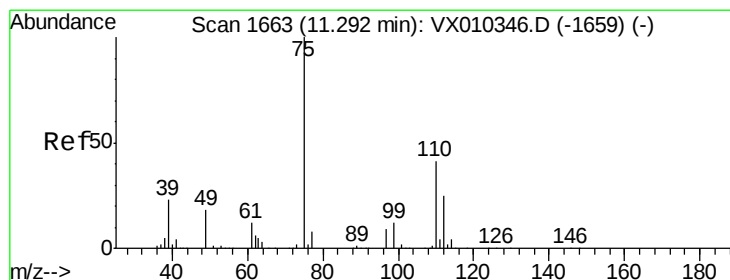
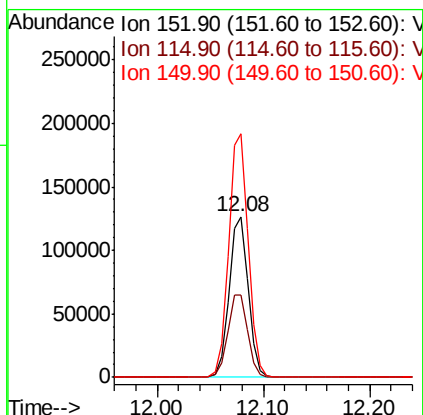
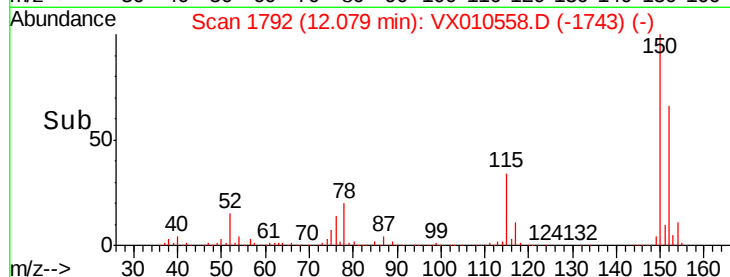
150 154.3 0.0 347.4



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: 24.205 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010558.D

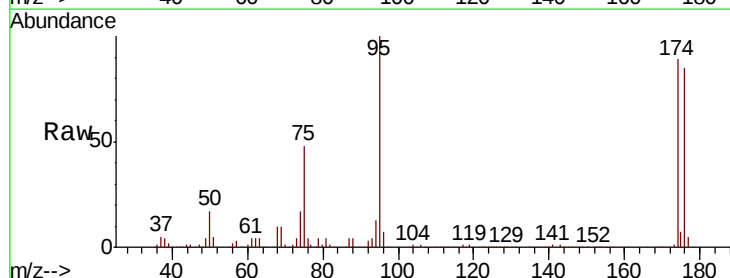
Acq: 29 Jun 2019 01:07

Tgt Ion: 75 Resp: 70323

Ion Ratio Lower Upper

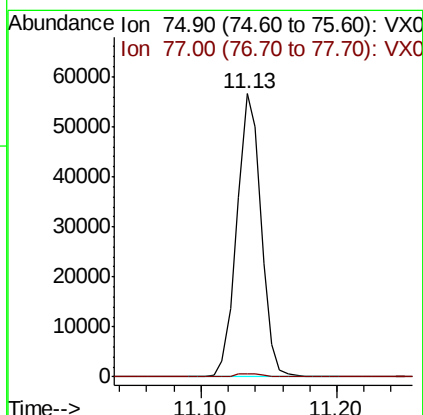
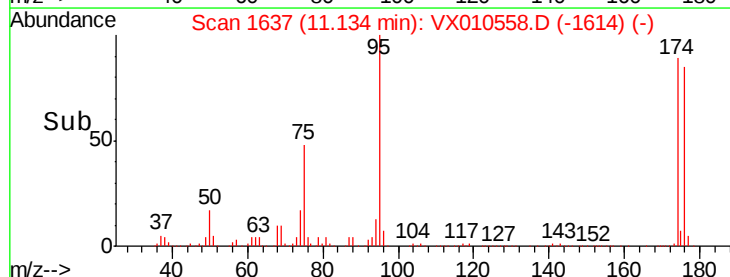
75 100

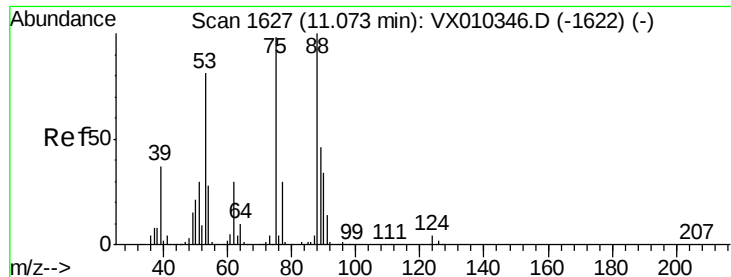
77 1.5 22.6 67.8#



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: 56.469 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

ERM-19

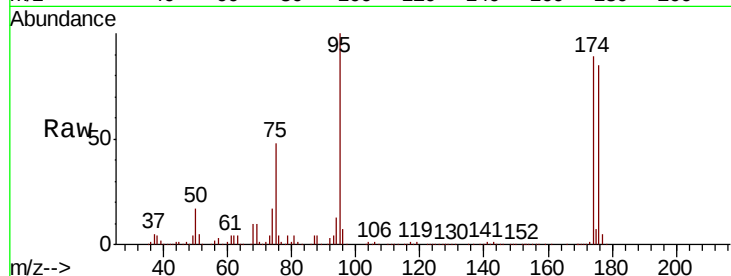
Tot Ion: 75 Resp: 70323

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

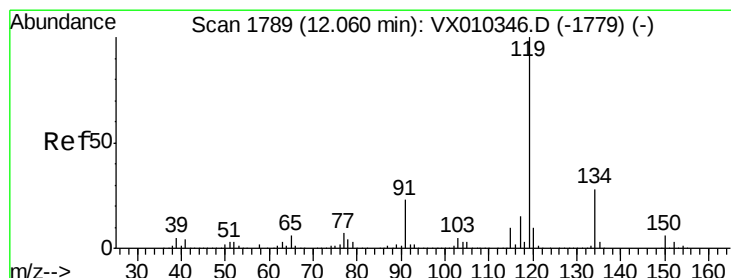
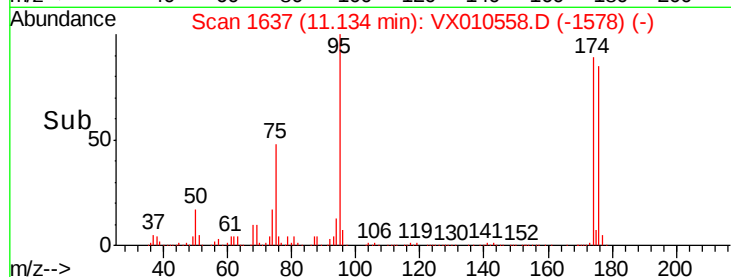
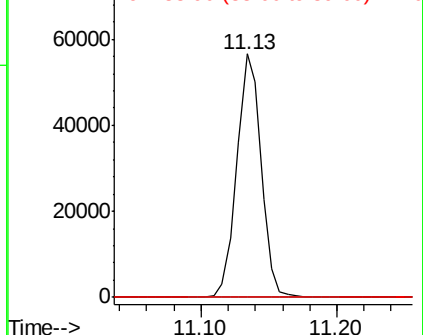
89 0.0 37.8 56.6#



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



#86

p-Isopropyltoluene

Concen: 0.360 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

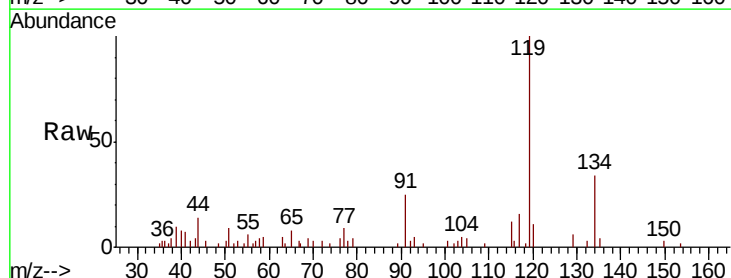
Tgt Ion: 119 Resp: 3498

Ion Ratio Lower Upper

119 100

134 29.8 13.7 41.1

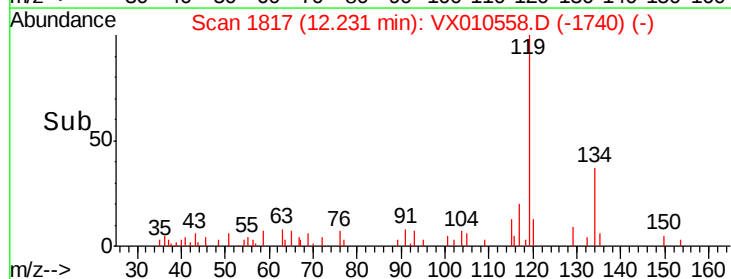
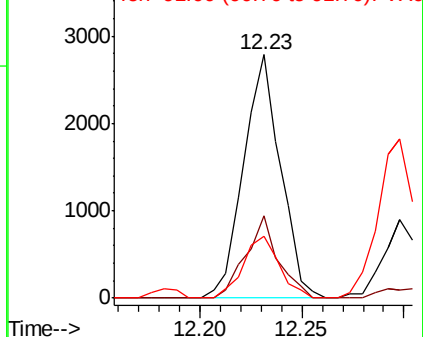
91 25.0 11.3 33.8

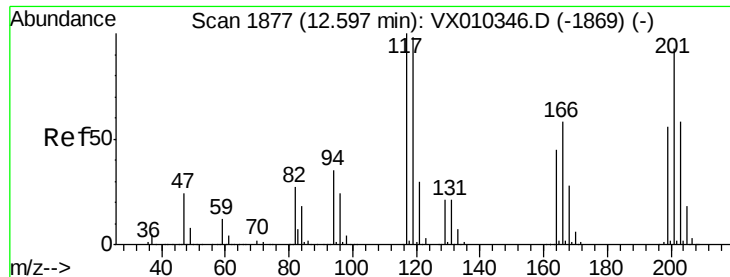


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#90

Hexachloroethane

Concen: 0.793 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

Instrument :

MSVOA_X

ClientSampled :

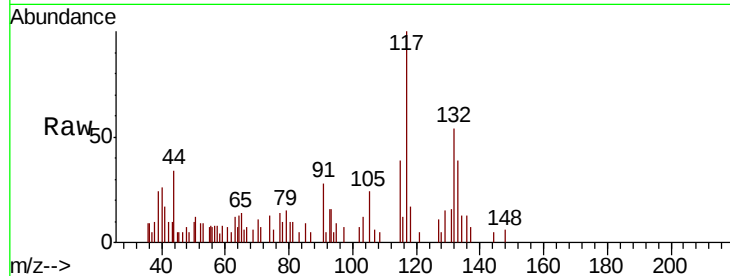
ERM-19

Tot Ion:117 Resp: 1332

Ion Ratio Lower Upper

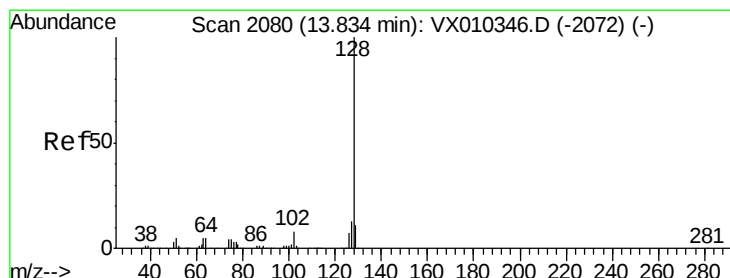
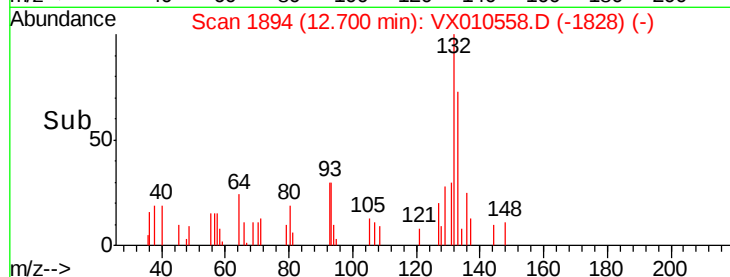
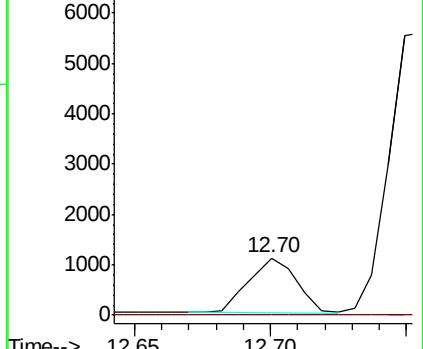
117 100

201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.209 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX010558.D

Acq: 29 Jun 2019 01:07

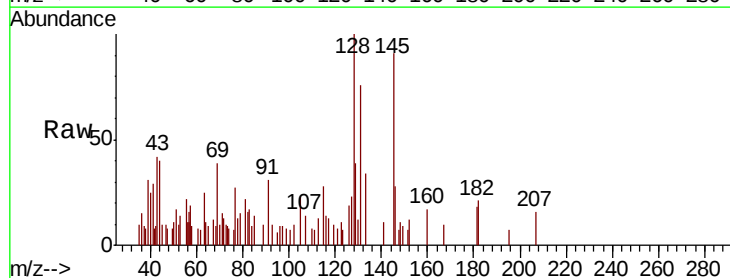
Tgt Ion:128 Resp: 2327

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 24.9 8.9 13.3#



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

