

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001037.D
 Acq On : 21 Apr 2018 04:09
 Operator : JC/MD
 Sample : J2377-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:43:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209111	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	156464	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
35) Dibromofluoromethane	5.51	113	120024	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	8.72	98	471658	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.14	95	184457	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

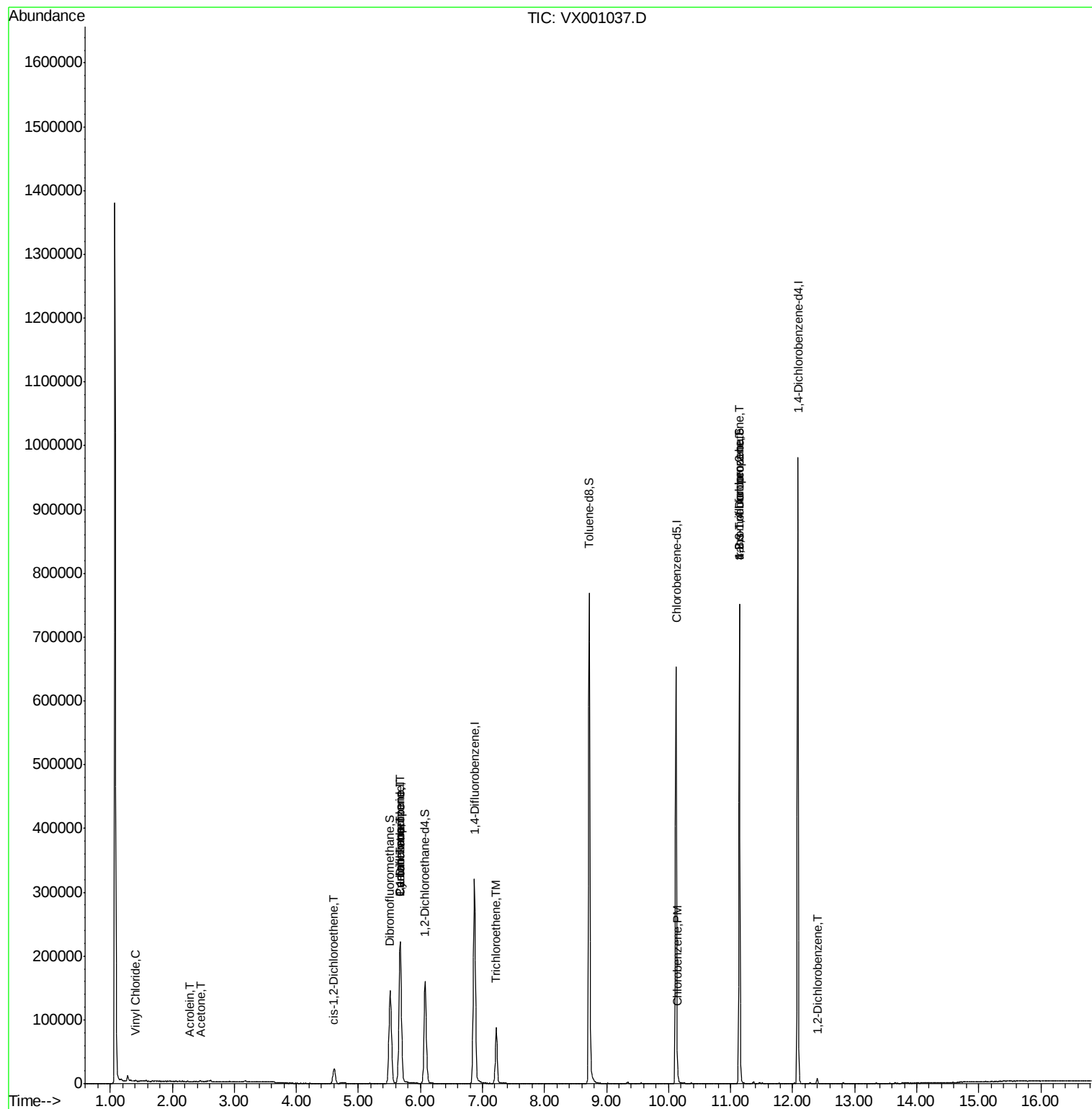
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	711	0.25	ug/l #	88
5) Bromomethane	1.67	94	176	Below Cal	#	76
13) Acrolein	2.28	56	45	11.23	ug/l #	39
16) Acetone	2.45	43	927	0.80	ug/l #	85
20) Methylene Chloride	2.86	84	27	Below Cal	#	7
27) cis-1,2-Dichloroethene	4.61	96	15170	5.20	ug/l	86
31) Cyclohexane	5.67	56	4243	0.98	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14932	3.77	ug/l #	49
38) Carbon Tetrachloride	5.68	117	20553	5.13	ug/l #	16
44) Trichloroethene	7.22	130	34727	10.32	ug/l	100
65) Chlorobenzene	10.15	112	2178	0.26	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	93383	25.74	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	93383	77.11	ug/l #	8
91) 1,2-Dichlorobenzene	12.40	146	2428	0.34	ug/l	96

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

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QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

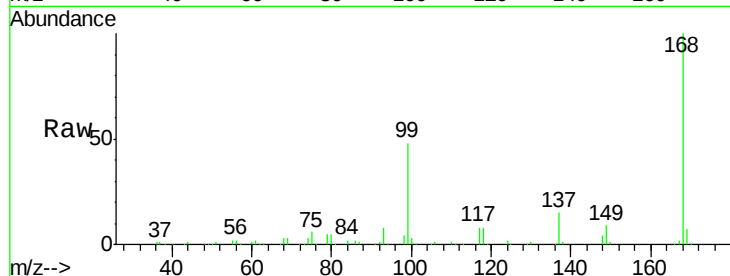
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 241598

Ion Ratio Lower Upper

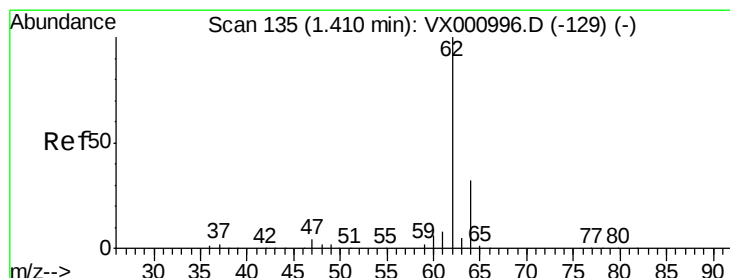
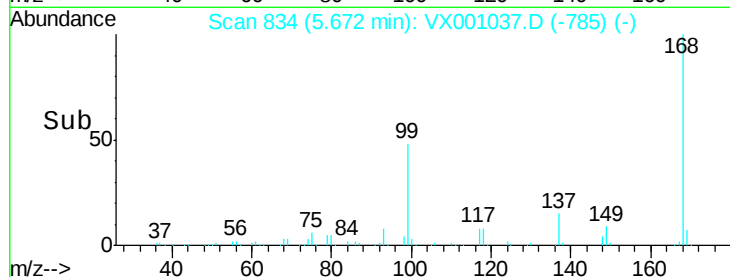
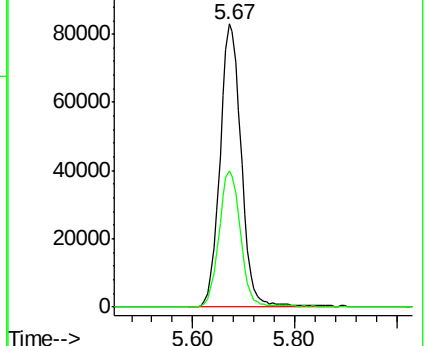
168 100

99 47.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.25 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001037.D

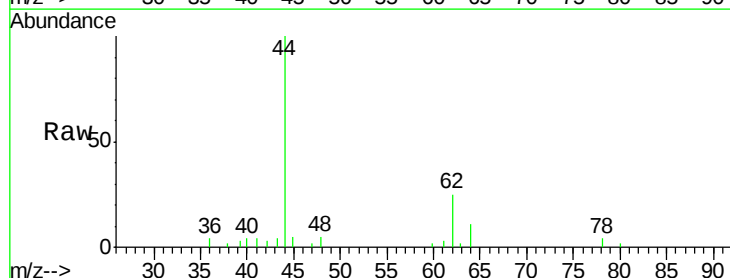
Acq: 21 Apr 2018 04:09

Tgt Ion: 62 Resp: 711

Ion Ratio Lower Upper

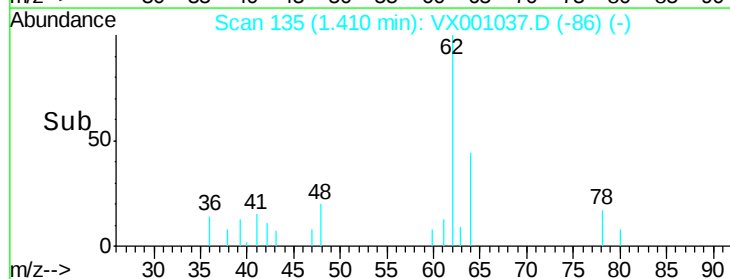
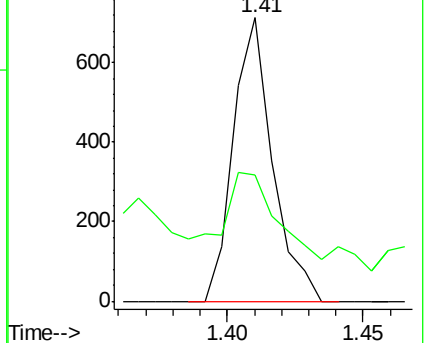
62 100

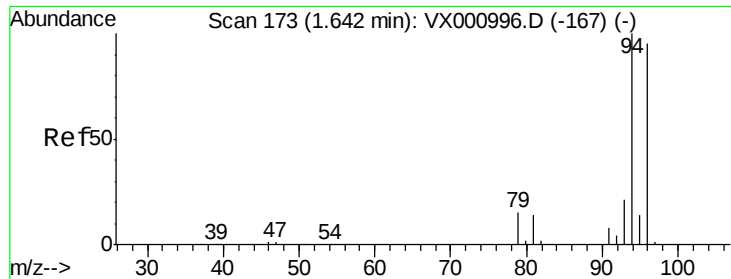
64 25.2 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

Instrument :

MSVOA_X

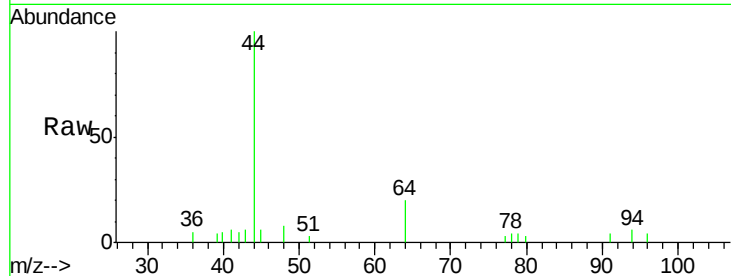
ClientSampled :

Tot Ion: 94 Resp: 176

Ion Ratio Lower Upper

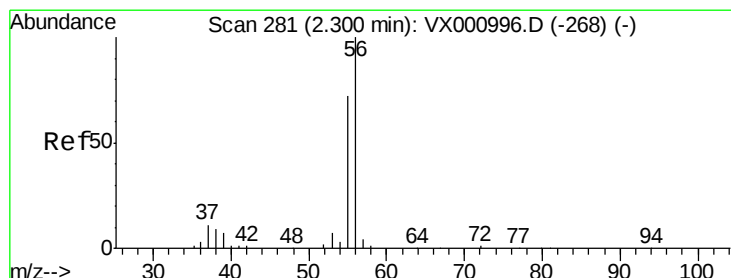
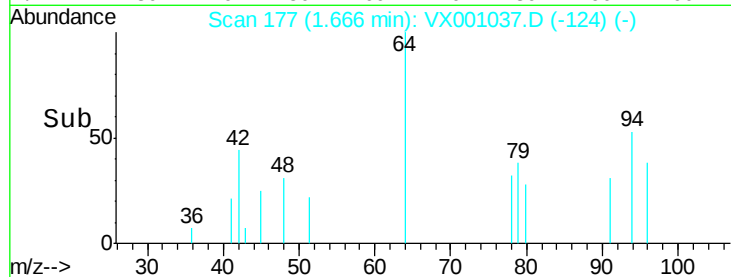
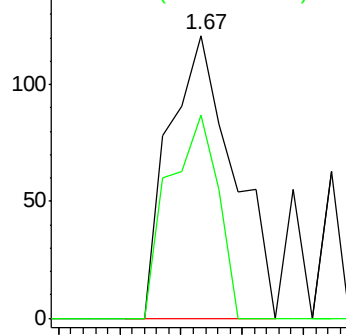
94 100

96 71.9 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 11.23 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX001037.D

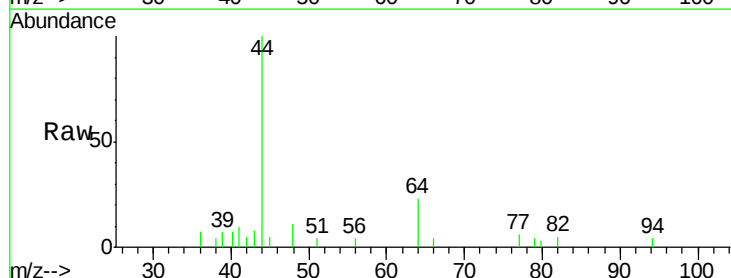
Acq: 21 Apr 2018 04:09

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

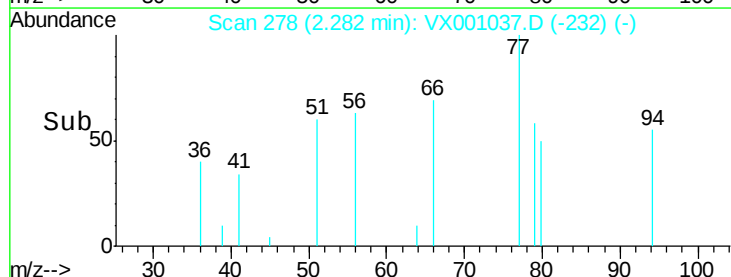
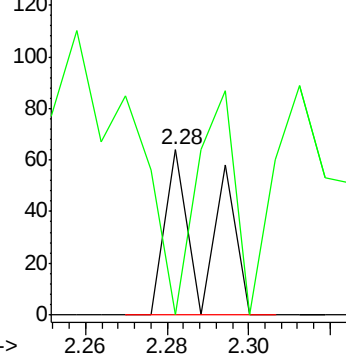
56 100

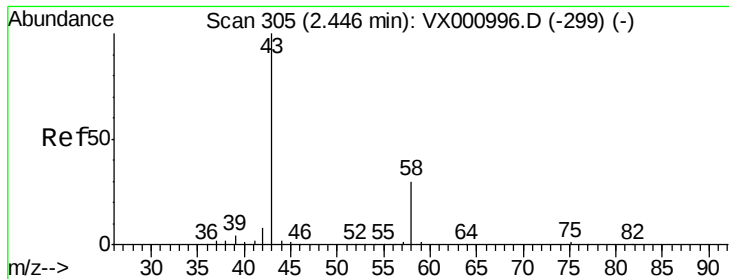
55 122.2 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.80 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

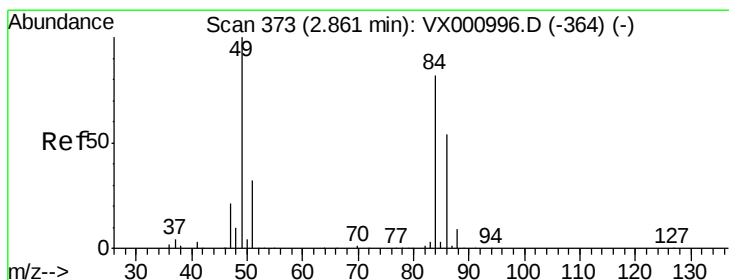
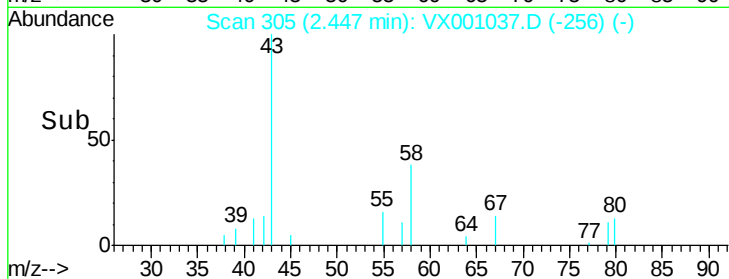
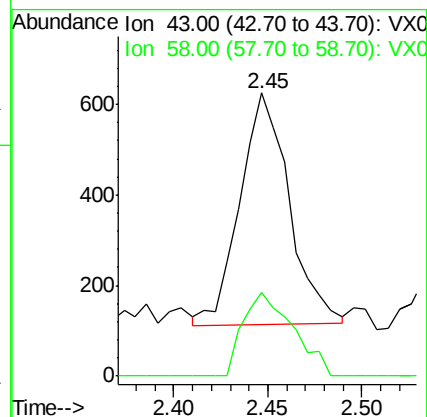
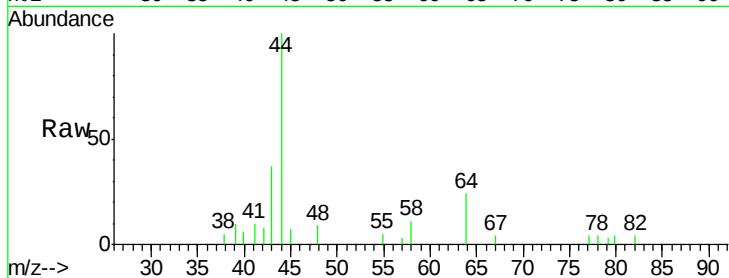
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

58 37.4 23.7 35.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

Tgt Ion: 84 Resp: 27

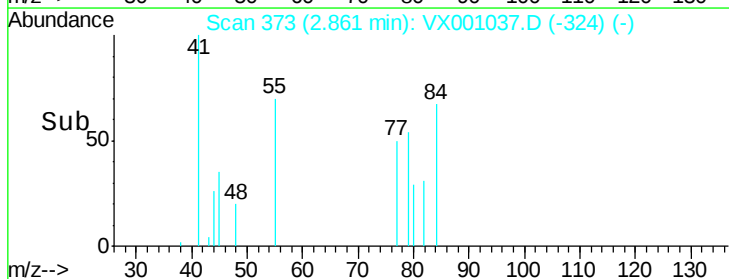
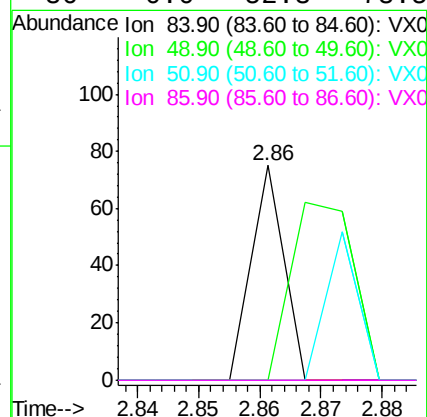
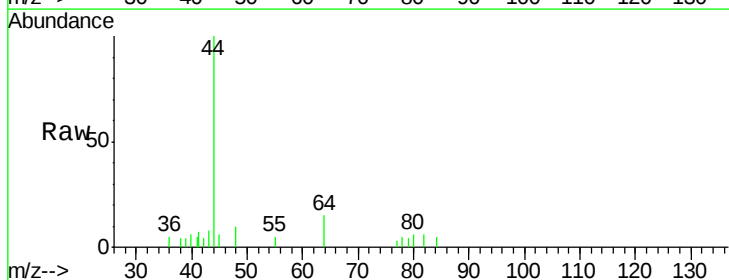
Ion Ratio Lower Upper

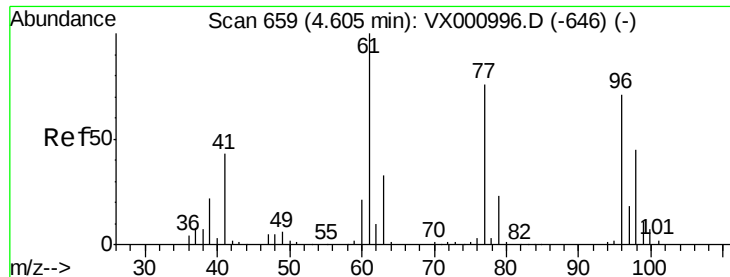
84 100

49 0.0 97.1 145.7#

51 0.0 30.8 46.2#

86 0.0 52.3 78.5#



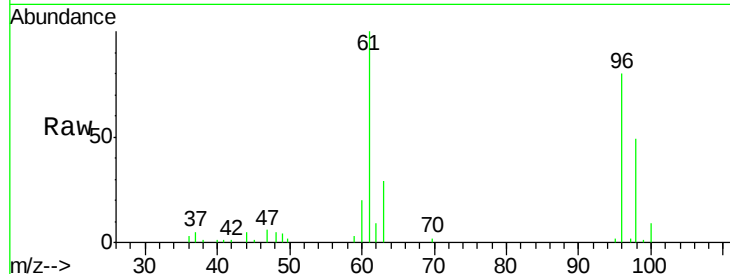


#27

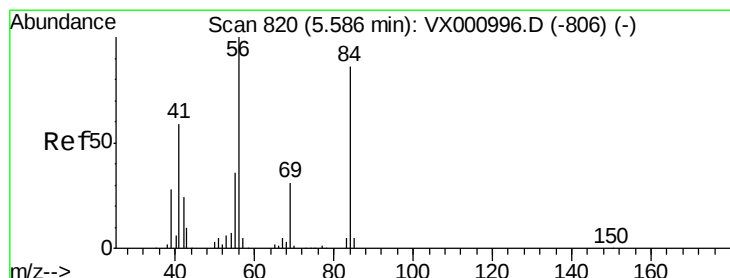
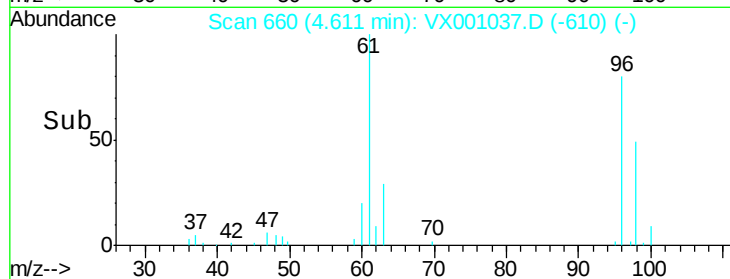
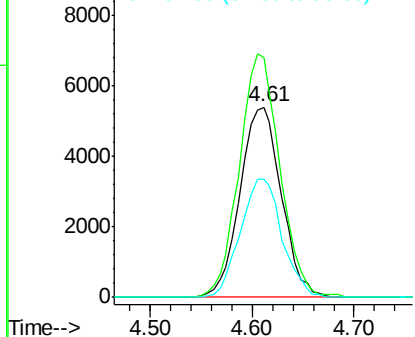
cis-1,2-Dichloroethene
 Concen: 5.20 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX001037.D
 Acq: 21 Apr 2018 04:09

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 15170
 Ion Ratio Lower Upper
 96 100
 61 125.6 0.0 297.0
 98 62.6 0.0 130.0



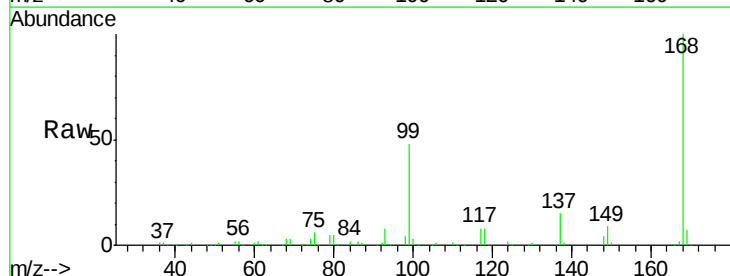
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



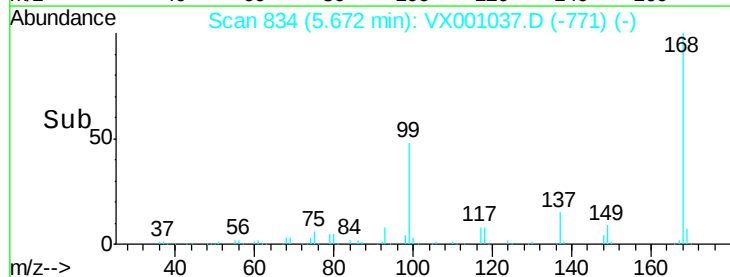
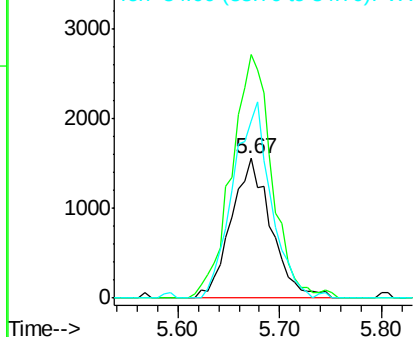
#31

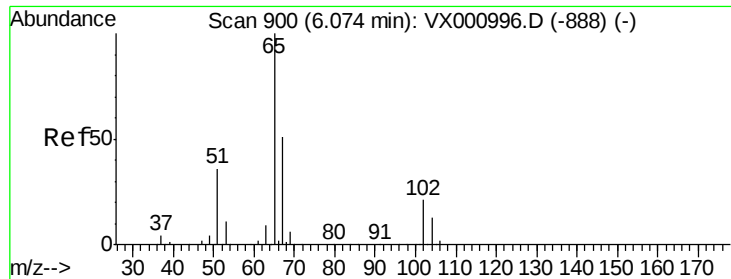
Cyclohexane
 Concen: 0.98 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. 0.09 min
 Lab File: VX001037.D
 Acq: 21 Apr 2018 04:09

Tgt Ion: 56 Resp: 4243
 Ion Ratio Lower Upper
 56 100
 69 174.1 24.6 36.8#
 84 126.4 69.0 103.6#



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

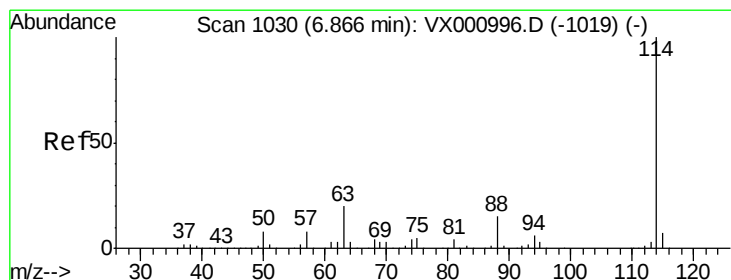
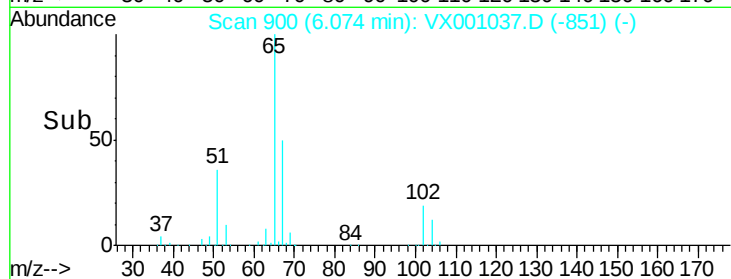
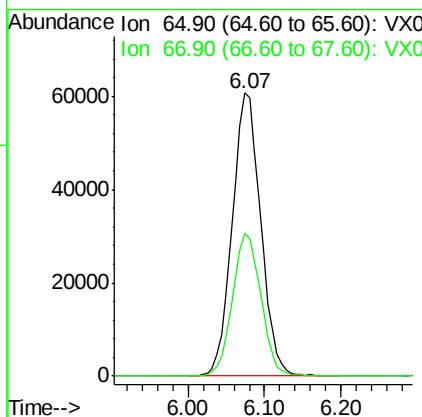
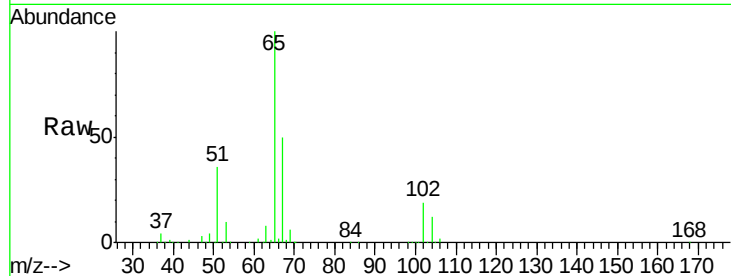




#33
 1,2-Dichloroethane-d4
 Concen: 51.09 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001037.D
 Acq: 21 Apr 2018 04:09

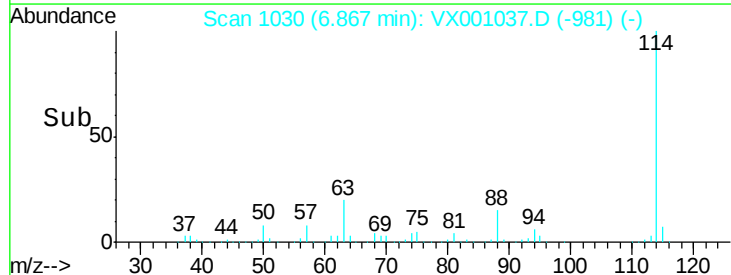
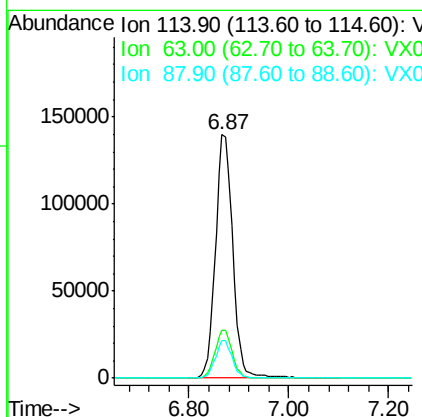
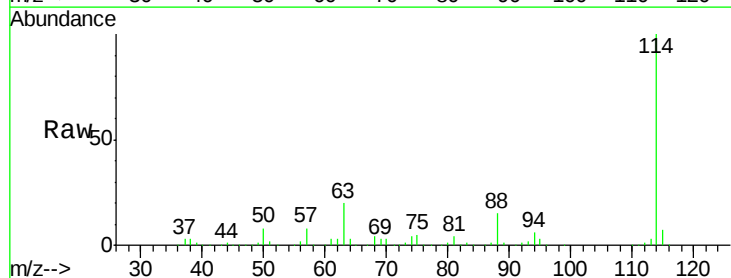
Instrument :
 MSVOA_X
 ClientSampleId :

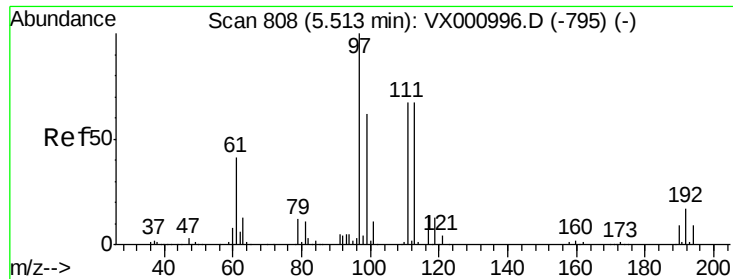
Tot Ion: 65 Resp: 156464
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001037.D
 Acq: 21 Apr 2018 04:09

Tgt Ion: 114 Resp: 336980
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 15.4 0.0 29.8

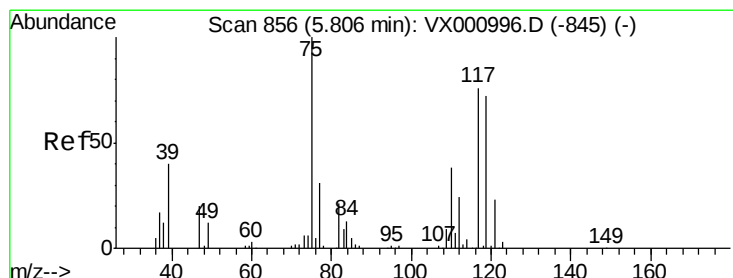
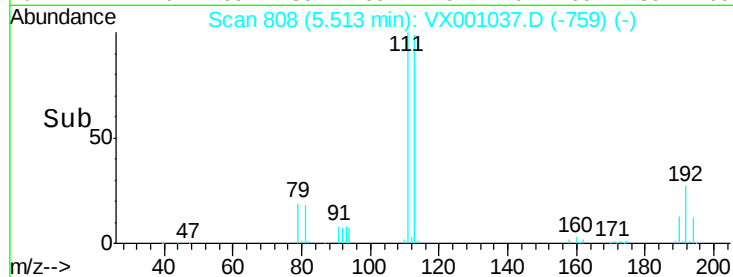
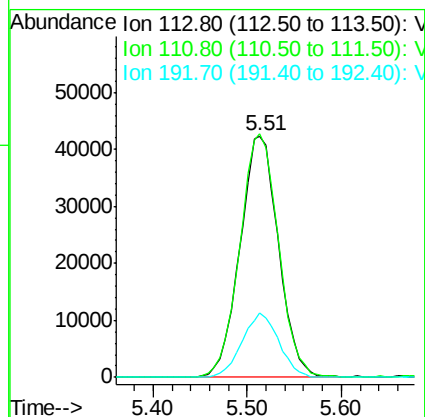
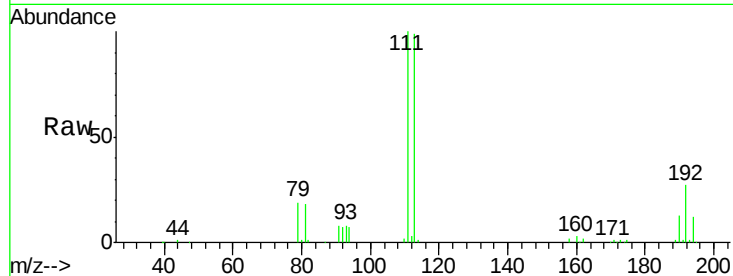




#35
Dibromofluoromethane
Concen: 46.71 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001037.D
Acq: 21 Apr 2018 04:09

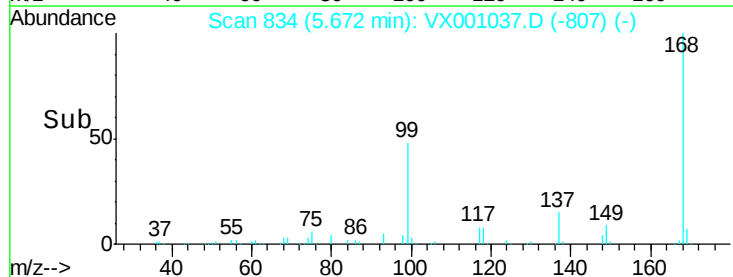
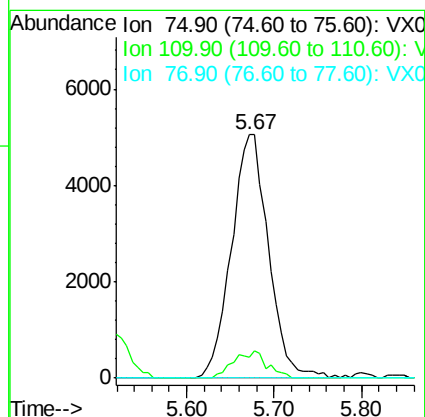
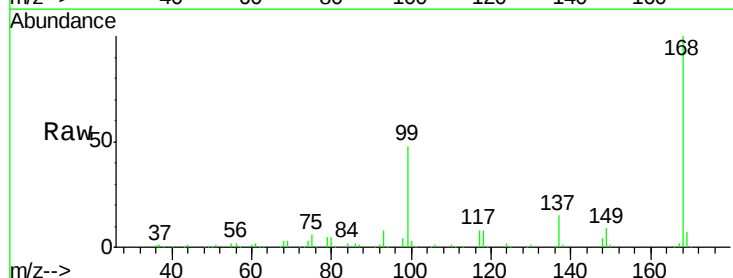
Instrument :
MSVOA_X
ClientSampled :

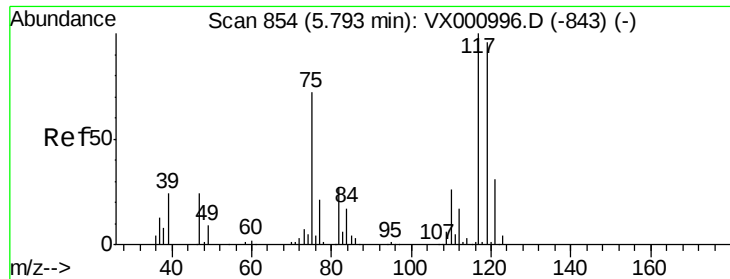
Tot Ion:113 Resp: 120024
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.2
192 25.6 20.4 30.6



#36
1,1-Dichloropropene
Concen: 3.77 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX001037.D
Acq: 21 Apr 2018 04:09

Tgt Ion: 75 Resp: 14932
Ion Ratio Lower Upper
75 100
110 9.9 18.7 56.1#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.13 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

Instrument :

MSVOA_X

ClientSampleId :

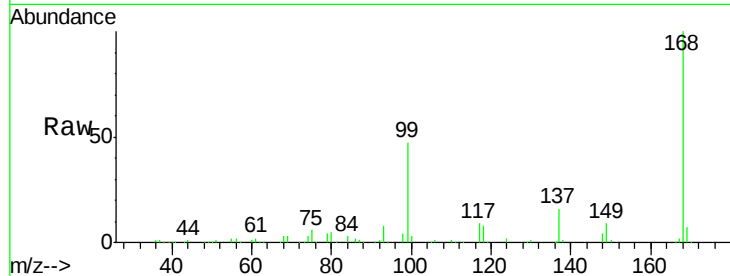
Tot Ion:117 Resp: 20553

Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

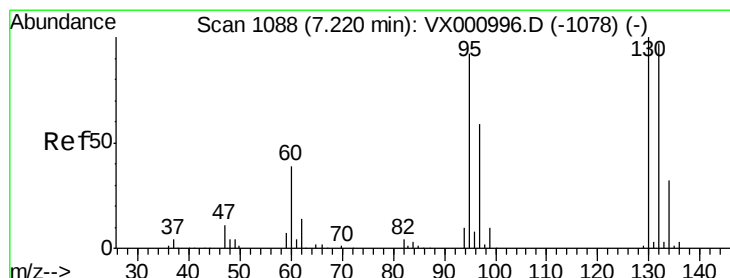
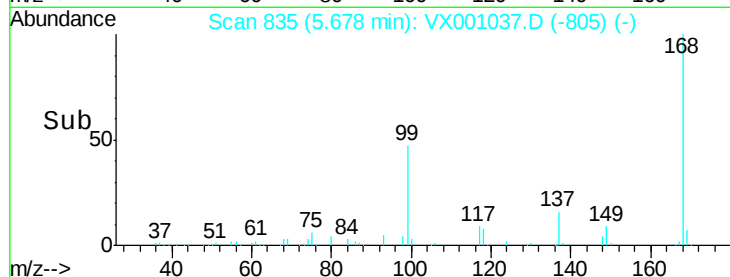
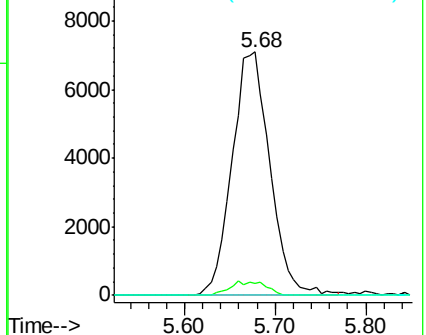
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 10.32 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001037.D

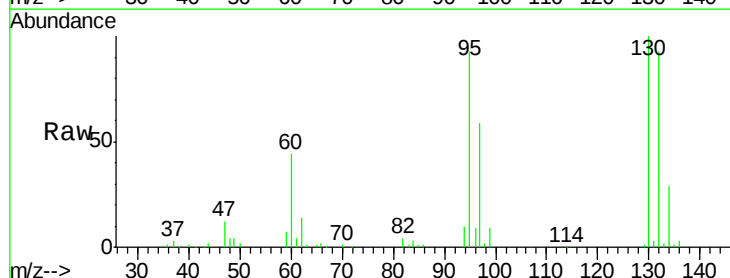
Acq: 21 Apr 2018 04:09

Tgt Ion:130 Resp: 34727

Ion Ratio Lower Upper

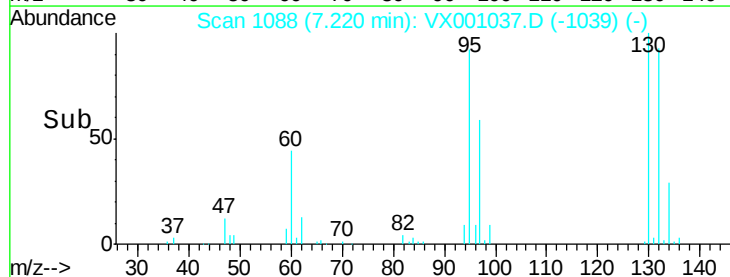
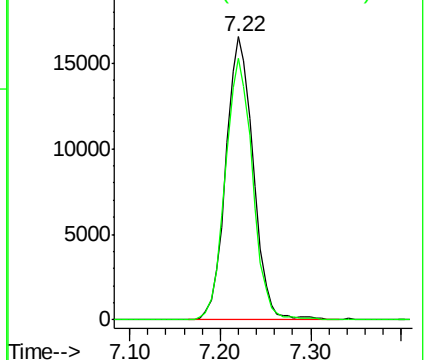
130 100

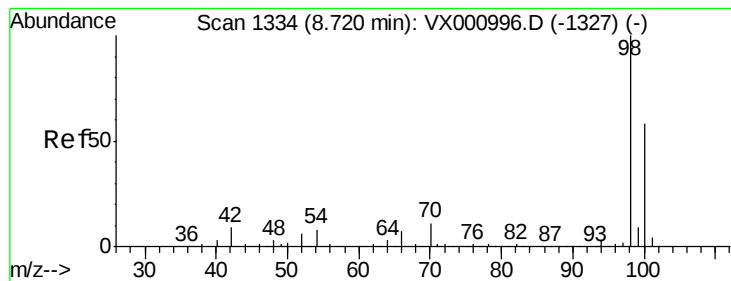
95 92.5 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.64 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

Instrument :

MSVOA_X

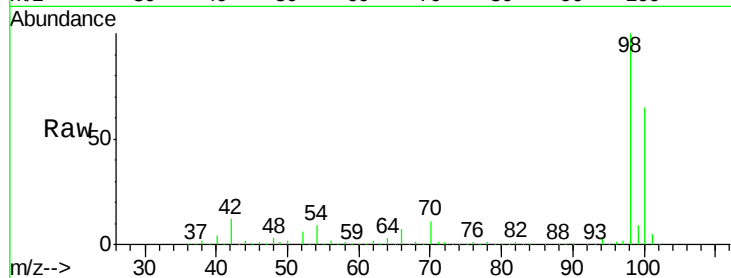
ClientSampleId :

Tot Ion: 98 Resp: 471658

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

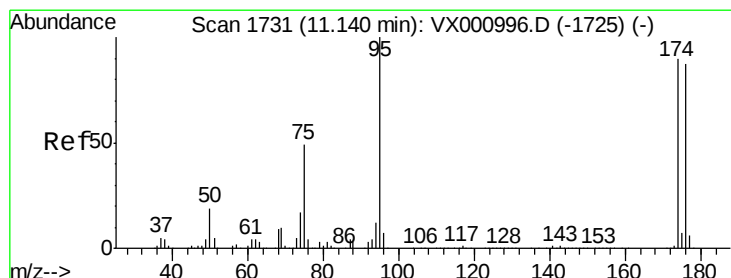
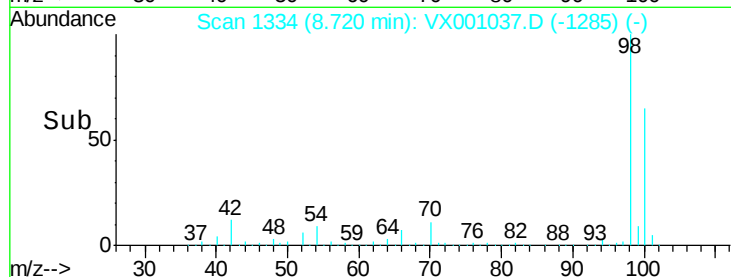
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 46.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

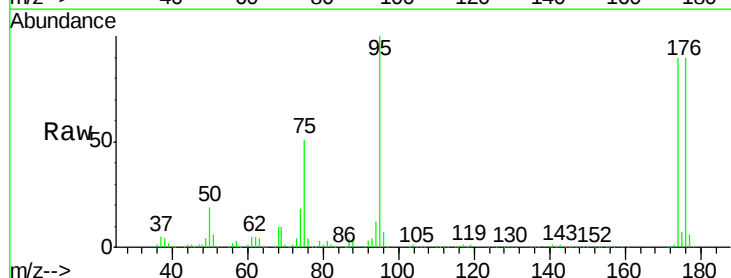
Tgt Ion: 95 Resp: 184457

Ion Ratio Lower Upper

95 100

174 97.8 0.0 198.4

176 96.1 0.0 192.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

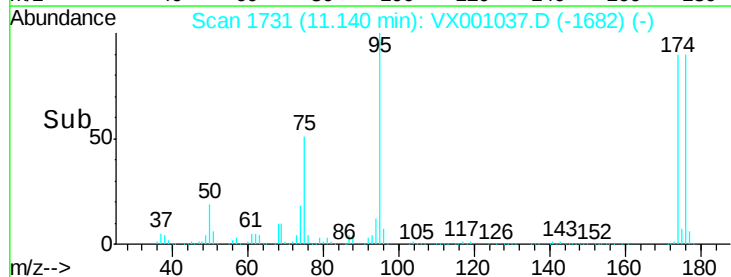
100000

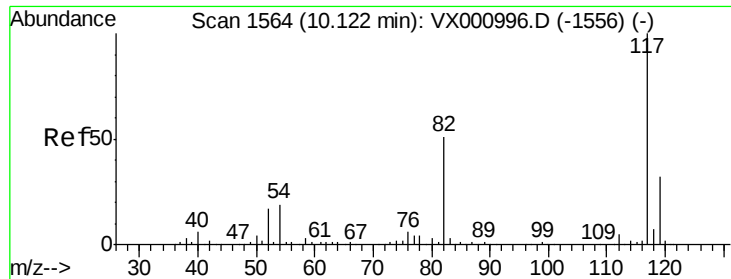
50000

0

Time-->

11.10 11.20

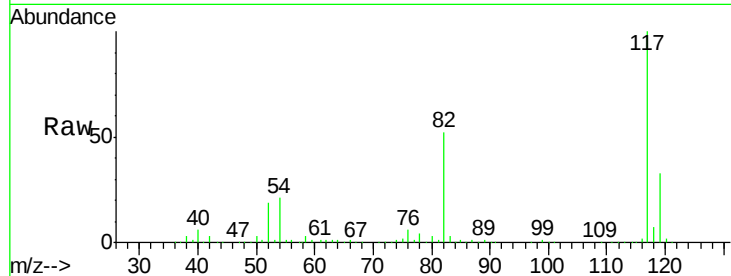




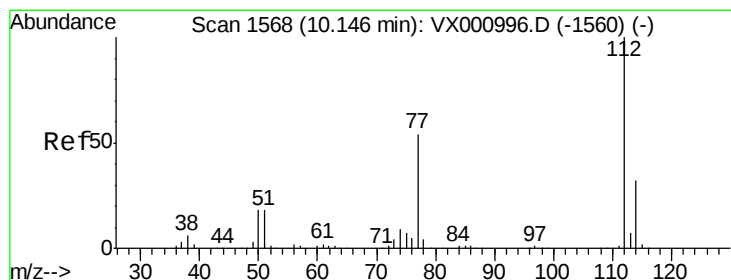
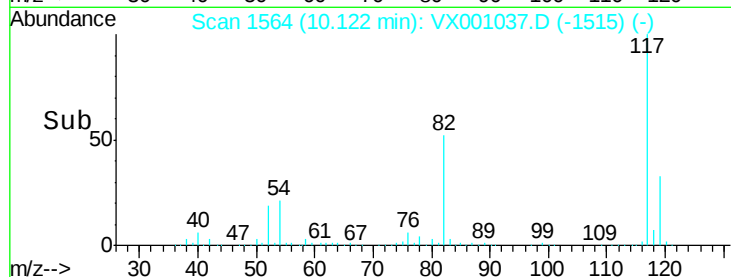
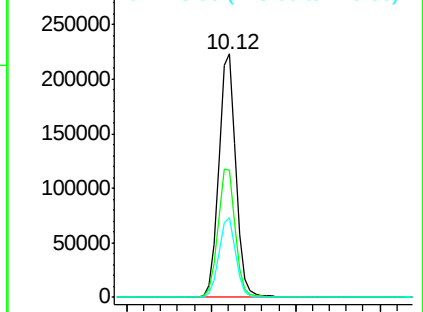
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001037.D
Acq: 21 Apr 2018 04:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 313205
Ion Ratio Lower Upper
117 100
82 52.3 40.6 60.8
119 32.7 26.0 39.0

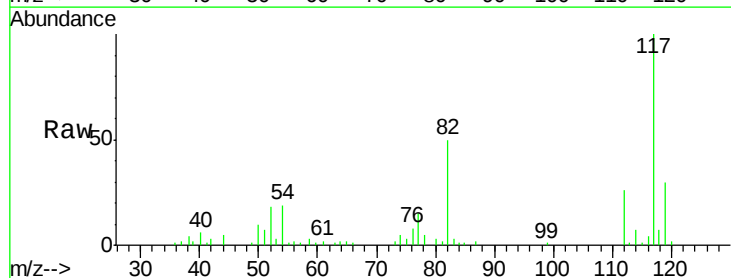


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

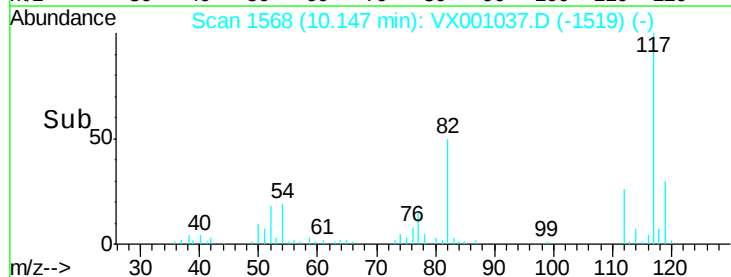
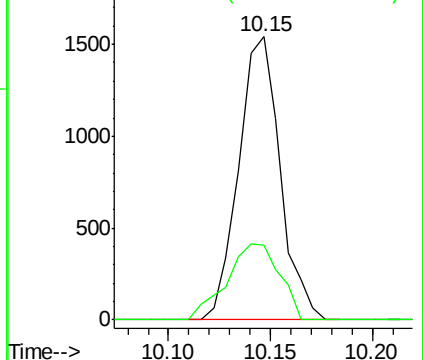


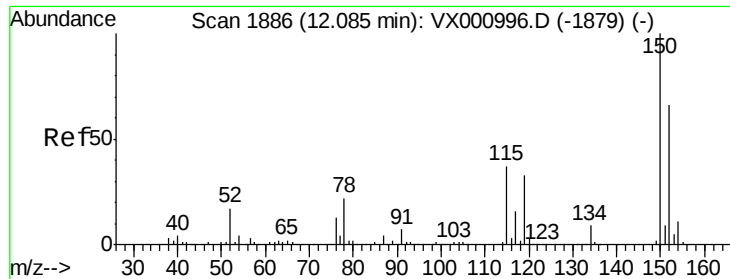
#65
Chlorobenzene
Concen: 0.26 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001037.D
Acq: 21 Apr 2018 04:09

Tgt Ion:112 Resp: 2178
Ion Ratio Lower Upper
112 100
114 26.6 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

Instrument :

MSVOA_X

ClientSampleId :

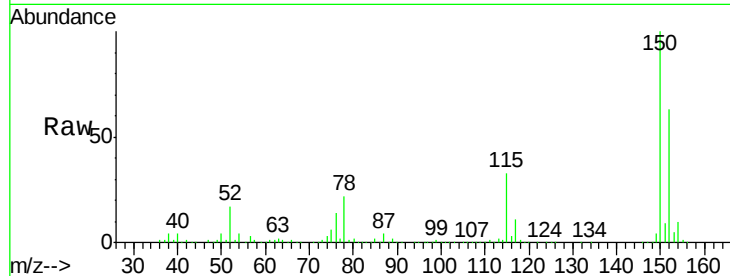
Tot Ion:152 Resp: 209111

Ion Ratio Lower Upper

152 100

115 53.9 38.2 114.6

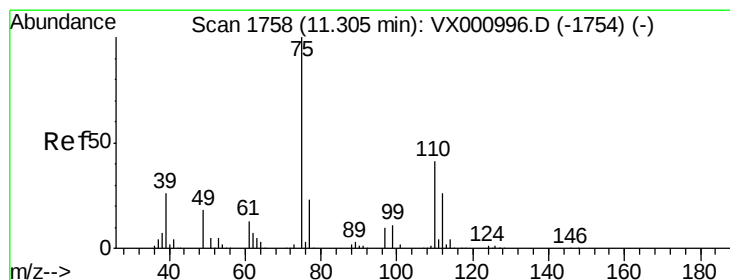
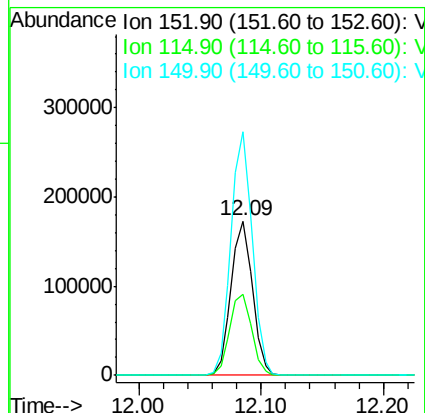
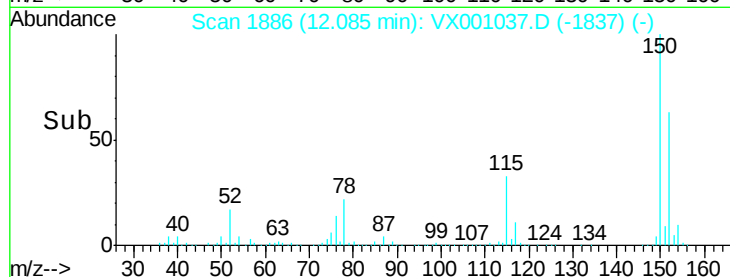
150 156.4 0.0 350.4



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: 25.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001037.D

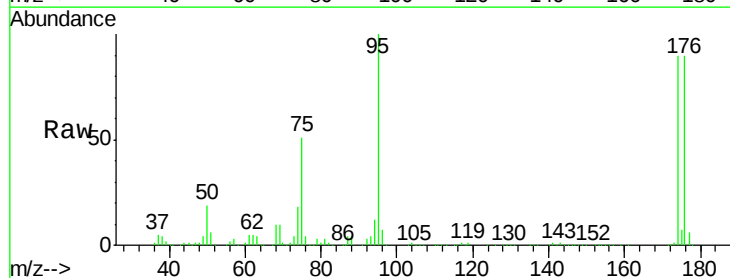
Acq: 21 Apr 2018 04:09

Tgt Ion: 75 Resp: 93383

Ion Ratio Lower Upper

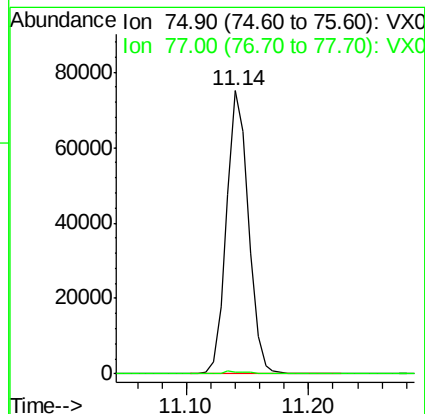
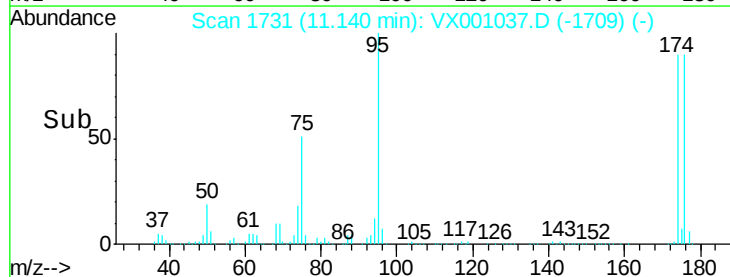
75 100

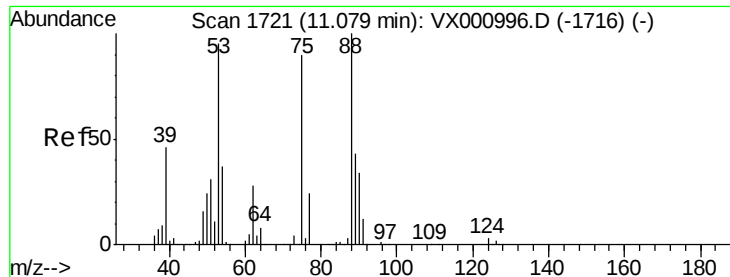
77 1.1 19.6 58.7#



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: 77.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

Instrument :

MSVOA_X

ClientSampled :

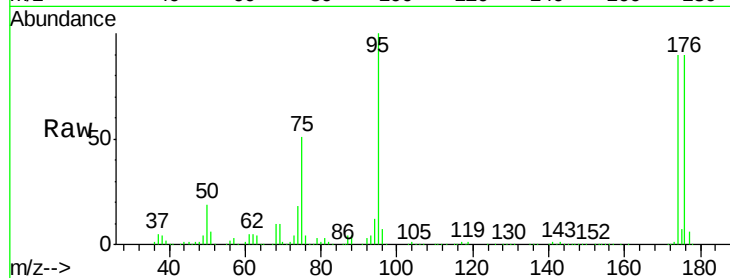
Tot Ion: 75 Resp: 93383

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

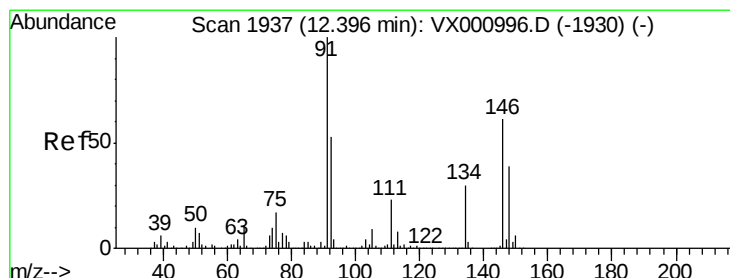
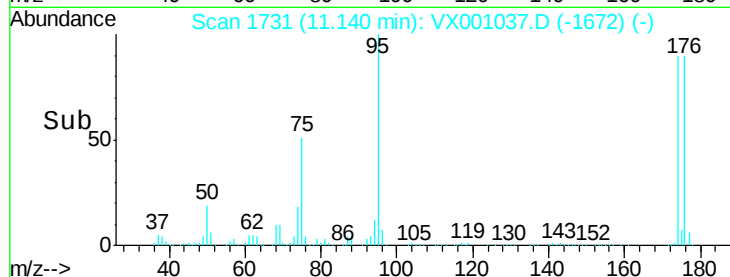
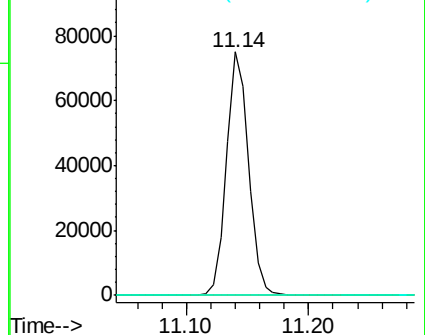
89 0.0 39.7 59.5#



Abundance Ion 74.90 (74.60 to 75.60): VX000996.D (-1716) (-)

Ion 53.00 (52.70 to 53.70): VX000996.D (-1716) (-)

Ion 88.90 (88.60 to 89.60): VX000996.D (-1716) (-)



#91

1,2-Dichlorobenzene

Concen: 0.34 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001037.D

Acq: 21 Apr 2018 04:09

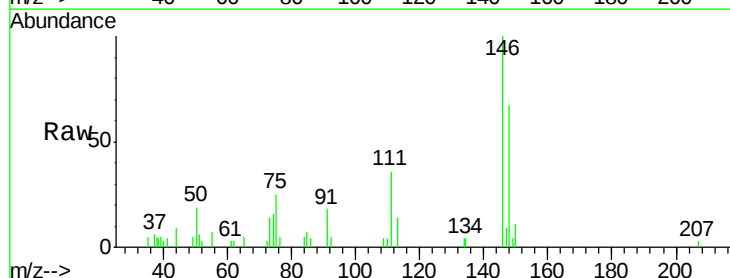
Tgt Ion: 146 Resp: 2428

Ion Ratio Lower Upper

146 100

111 37.1 18.6 56.0

148 69.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): VX000996.D (-1930) (-)

Ion 110.90 (110.60 to 111.60): VX000996.D (-1930) (-)

Ion 147.90 (147.60 to 148.60): VX000996.D (-1930) (-)

