

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005639.D
 Acq On : 27 Oct 2018 07:21
 Operator : JC/MD
 Sample : J5692-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ142I-20181024

Quant Time: Oct 29 00:51:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143805	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	143798	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	5.50	113	115357	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	8.71	98	393616	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.14	95	132749	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

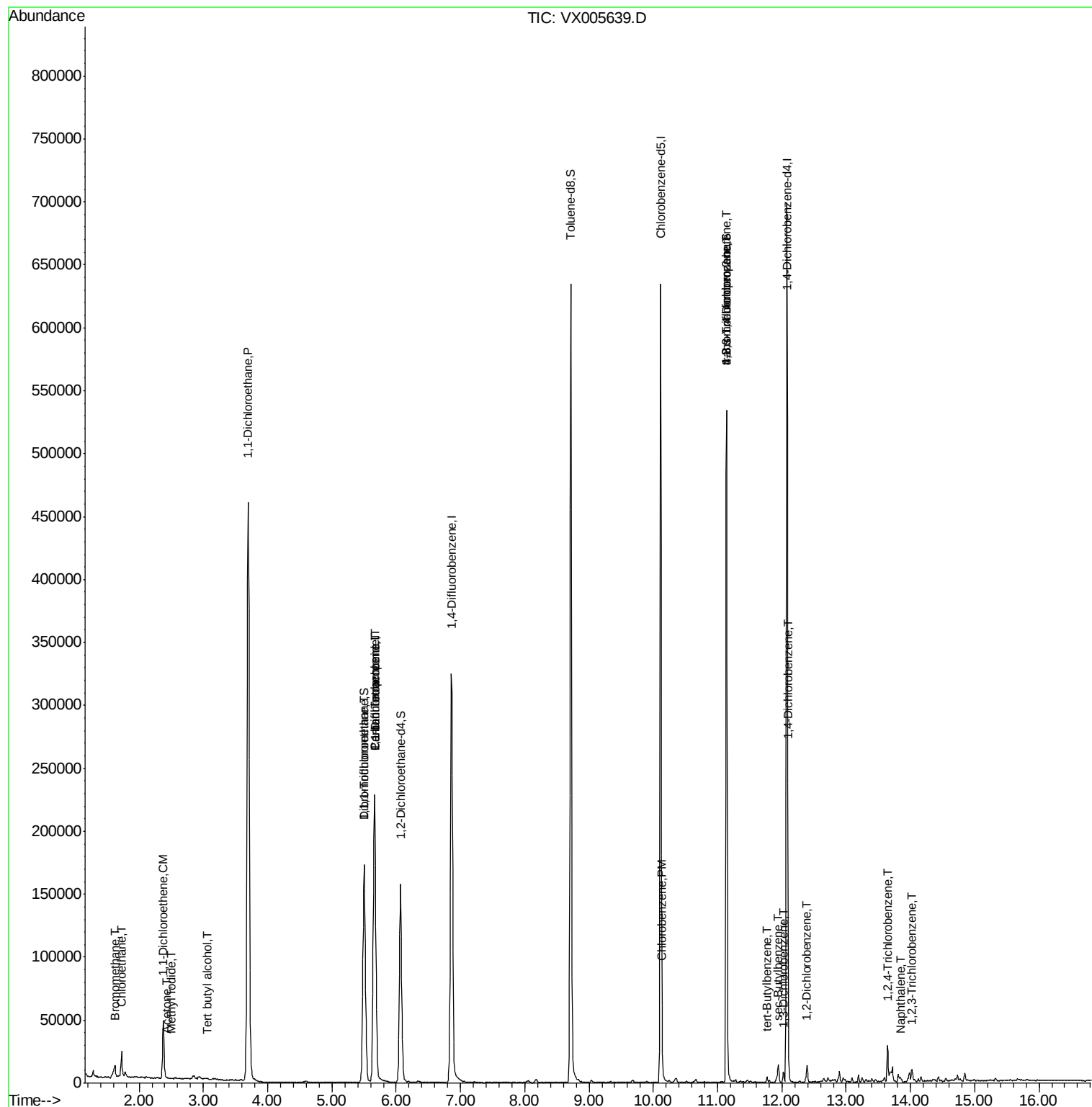
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	384	0.217	ug/l	81
6) Chloroethane	1.73	64	15328	8.430	ug/l	100
10) Methyl Iodide	2.51	142	50	2.745	ug/l #	39
11) Tert butyl alcohol	3.05	59	965	1.276	ug/l #	83
12) 1,1-Dichloroethene	2.37	96	14636	6.771	ug/l	87
16) Acetone	2.44	43	437	0.294	ug/l #	76
18) Methyl Acetate	2.78	43	91	Below Cal	#	84
24) 1,1-Dichloroethane	3.70	63	536541	117.144	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	28071	7.424	ug/l	99
36) 1,1-Dichloropropene	5.66	75	16440	5.099	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21754	6.406	ug/l #	15
65) Chlorobenzene	10.14	112	1452	0.231	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	67337	22.100	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	67337	72.213	ug/l #	9
83) tert-Butylbenzene	11.77	119	1662	0.222	ug/l	96
85) sec-Butylbenzene	11.94	105	6660	0.745	ug/l	83
87) 1,3-Dichlorobenzene	12.03	146	2505	0.544	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	12033	2.502	ug/l	84
91) 1,2-Dichlorobenzene	12.40	146	4149	0.890	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	6997	2.071	ug/l	91
95) Naphthalene	13.83	128	2054	0.209	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	2017	0.589	ug/l #	67

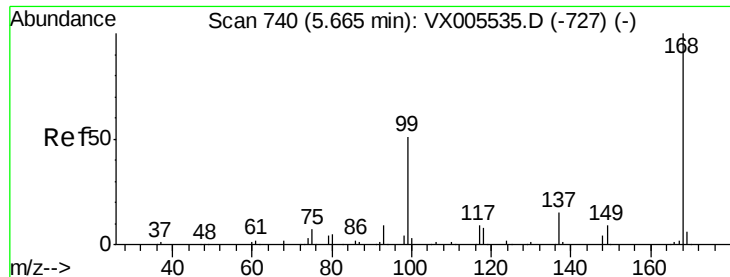
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\
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Quant Time: Oct 29 00:51:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
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: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

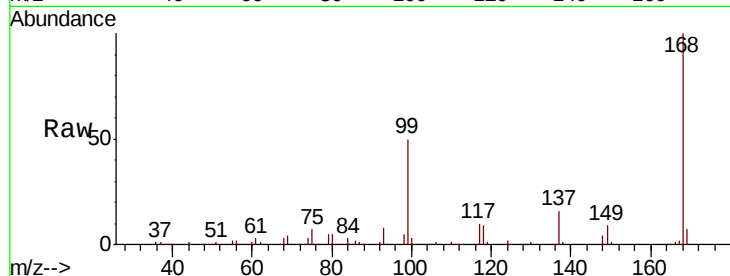
SA-PZ142I-20181024

Tot Ion:168 Resp: 230271

Ion Ratio Lower Upper

168 100

99 50.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005535.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX005535.D (-727) (-)

5.67

80000

60000

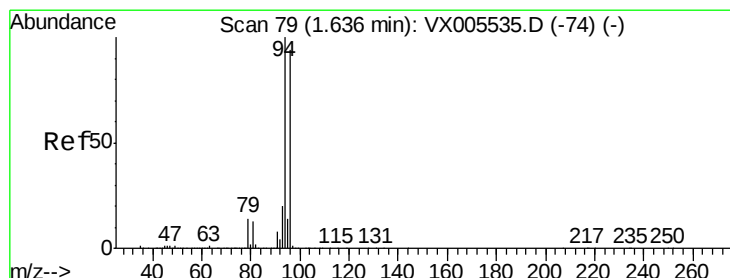
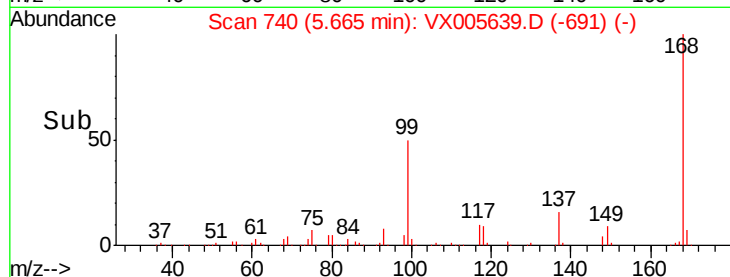
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.217 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX005639.D

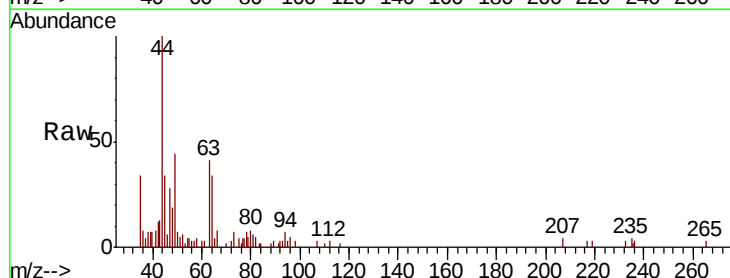
Acq: 27 Oct 2018 07:21

Tgt Ion: 94 Resp: 384

Ion Ratio Lower Upper

94 100

96 75.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX005535.D (-74) (-)

Ion 95.90 (95.60 to 96.60): VX005535.D (-74) (-)

1.63

200

150

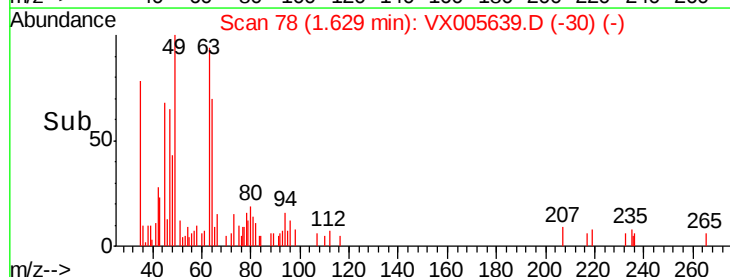
100

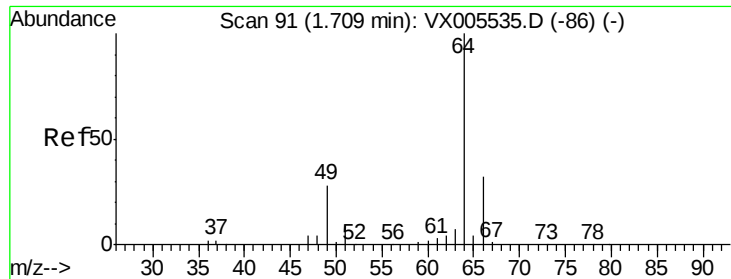
50

0

1.60 1.65

Time-->





#6

Chloroethane

Concen: 8.430 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

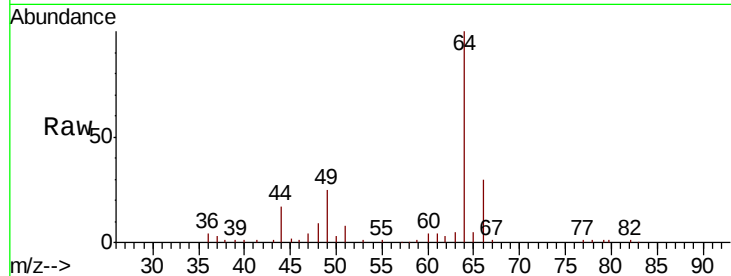
SA-PZ142I-20181024

Tot Ion: 64 Resp: 15328

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

12000

10000

8000

6000

4000

2000

0

Time-->

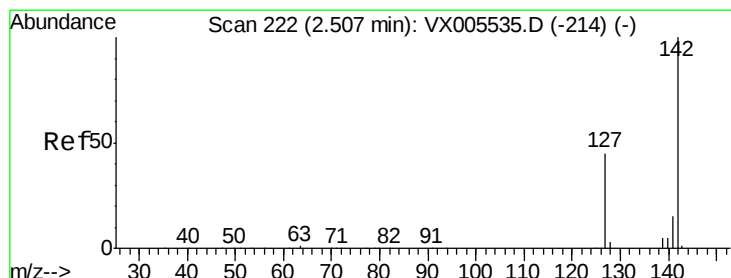
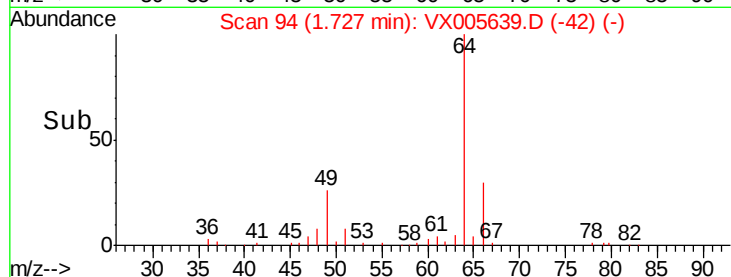
1.65

1.70

1.73

1.75

1.80



#10

Methyl Iodide

Concen: 2.745 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

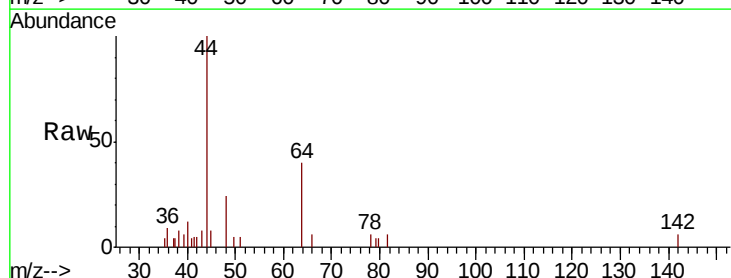
Tgt Ion:142 Resp: 50

Ion Ratio Lower Upper

142 100

127 0.0 36.0 54.0#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

80

60

40

20

0

Time-->

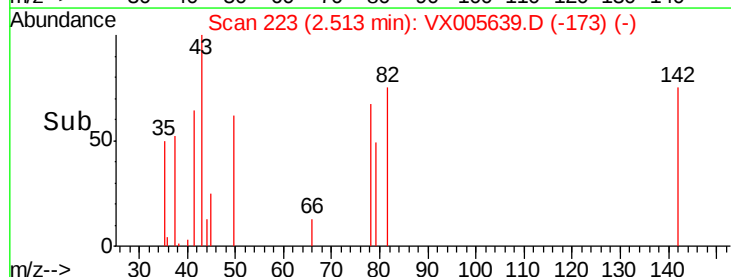
2.48

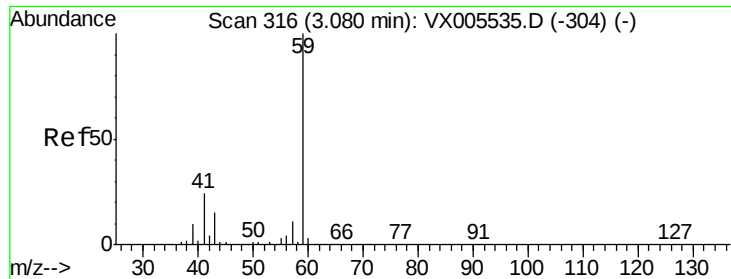
2.50

2.51

2.52

2.54

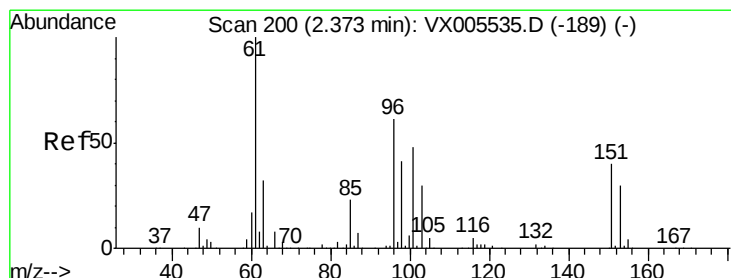
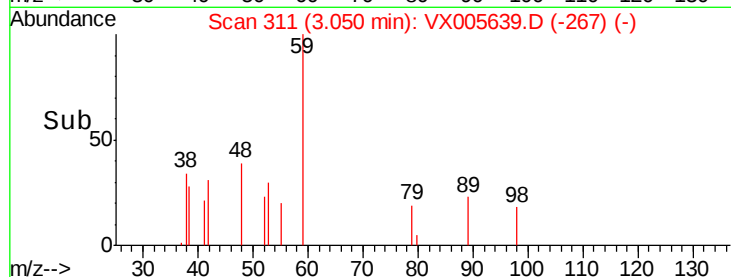
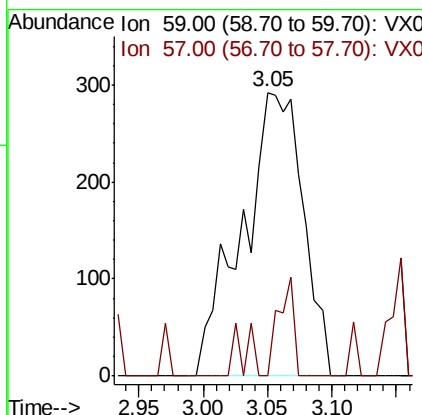
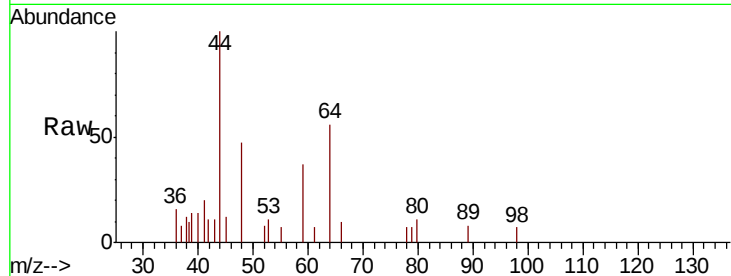




#11
Tert butyl alcohol
Concen: 1.276 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX005639.D
Acq: 27 Oct 2018 07:21

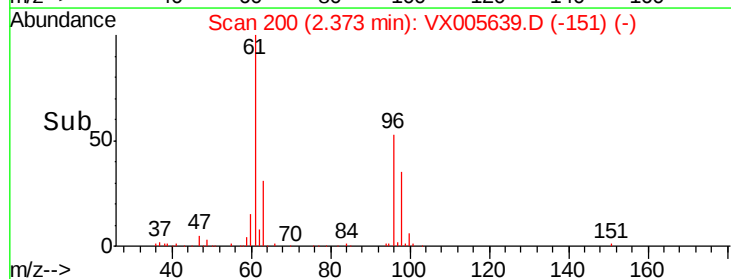
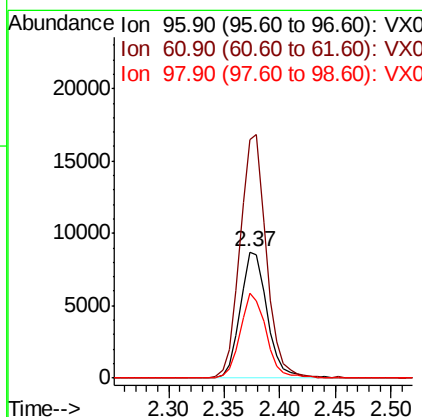
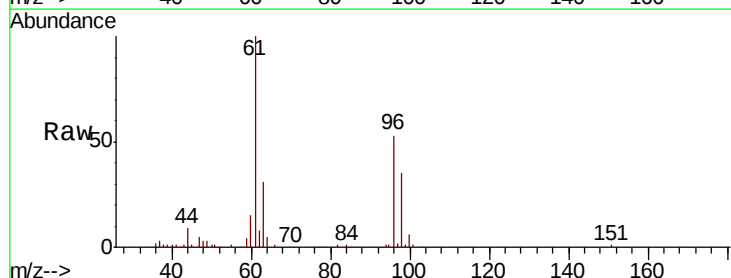
Instrument :
MSVOA_X
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SA-PZ142I-20181024

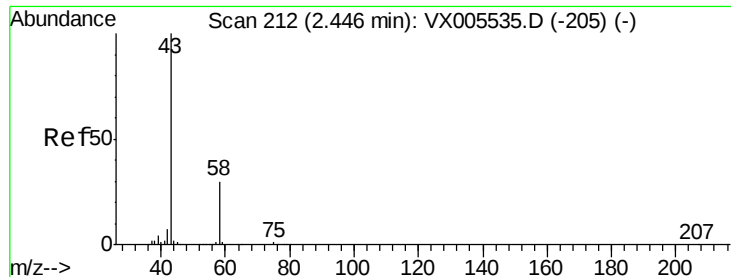
Tot Ion: 59 Resp: 965
Ion Ratio Lower Upper
59 100
57 4.1 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 6.771 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005639.D
Acq: 27 Oct 2018 07:21

Tgt Ion: 96 Resp: 14636
Ion Ratio Lower Upper
96 100
61 189.2 131.8 197.8
98 67.1 53.4 80.2





#16

Acetone

Concen: 0.294 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

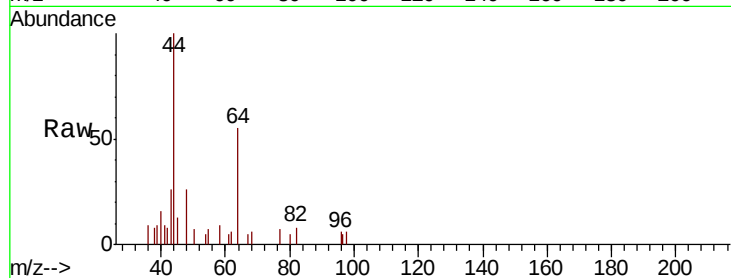
SA-PZ142I-20181024

Tot Ion: 43 Resp: 437

Ion Ratio Lower Upper

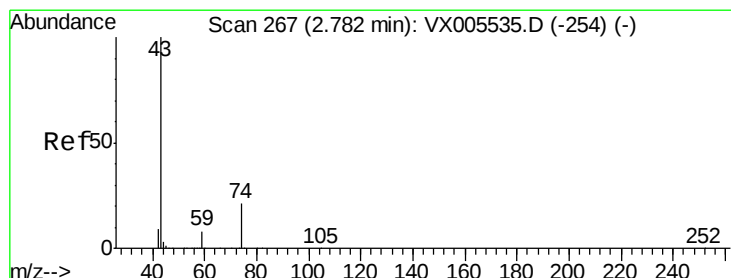
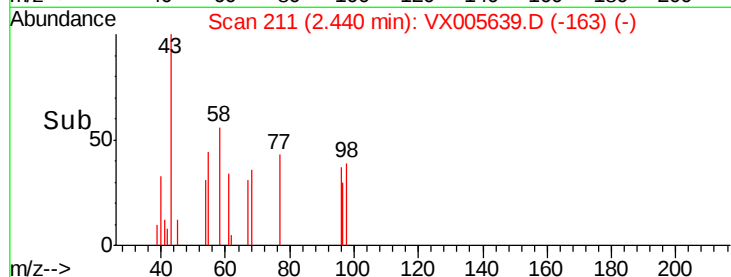
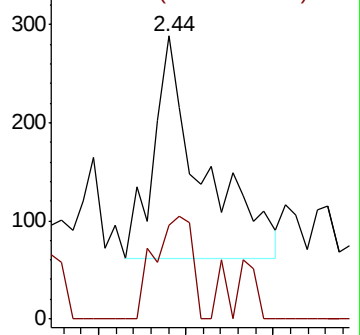
43 100

58 42.5 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005639.D

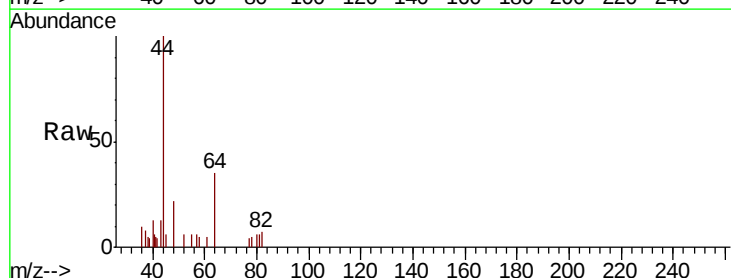
Acq: 27 Oct 2018 07:21

Tgt Ion: 43 Resp: 91

Ion Ratio Lower Upper

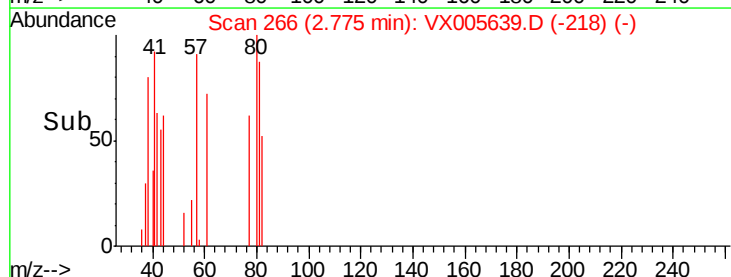
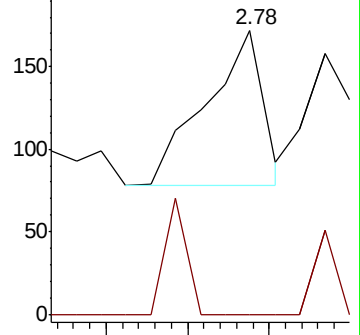
43 100

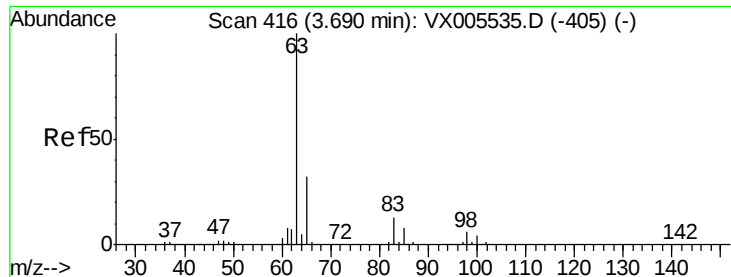
74 28.6 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#24

1,1-Dichloroethane

Concen: 117.144 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

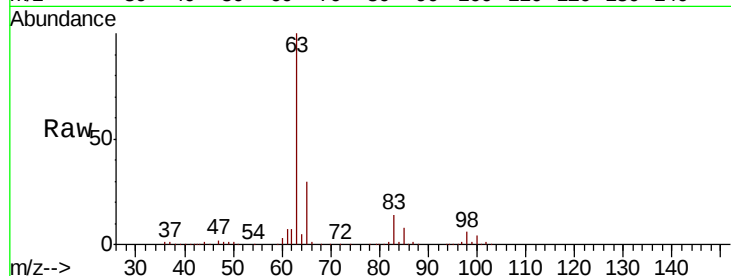
Tot Ion: 63 Resp: 536541

Ion Ratio Lower Upper

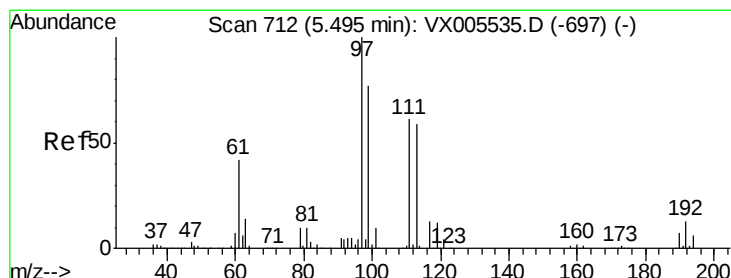
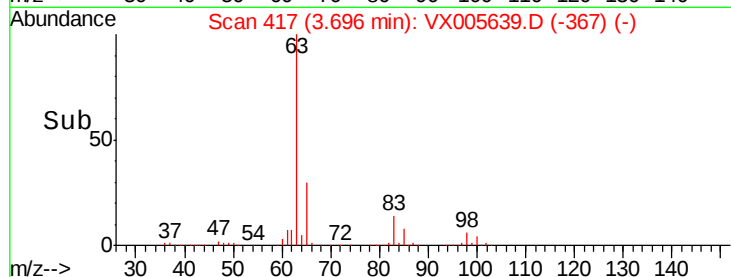
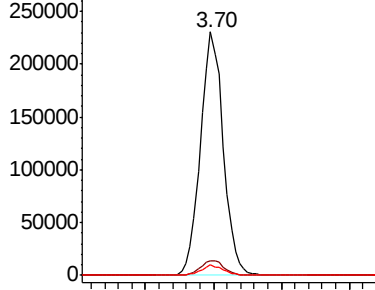
63 100

98 5.8 3.2 9.6

100 4.3 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#32

1,1,1-Trichloroethane

Concen: 7.424 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

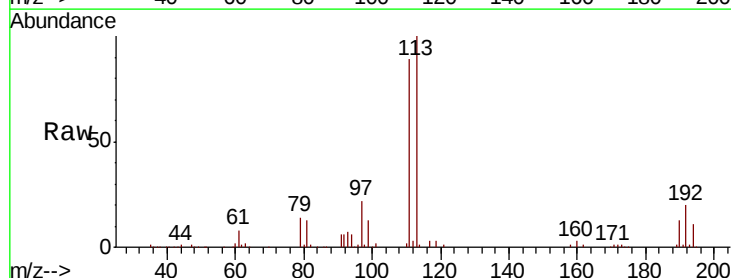
Tgt Ion: 97 Resp: 28071

Ion Ratio Lower Upper

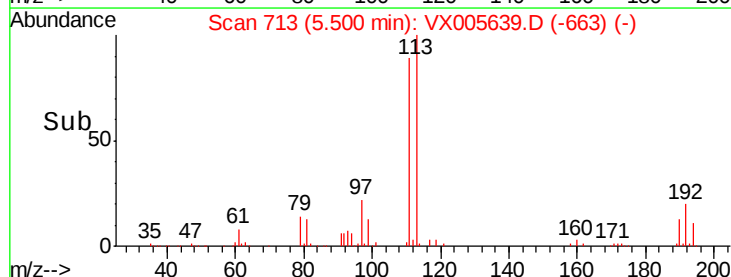
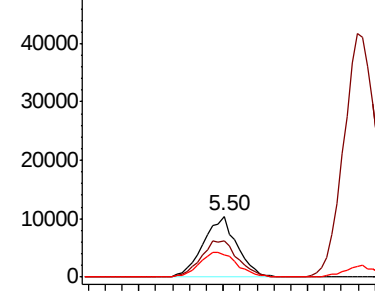
97 100

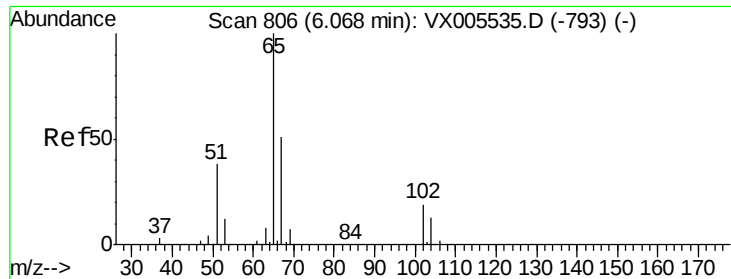
99 65.7 52.3 78.5

61 45.6 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

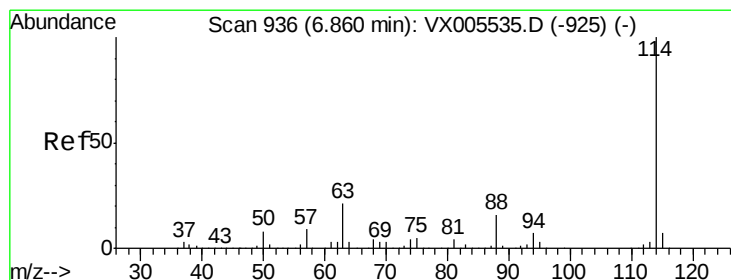
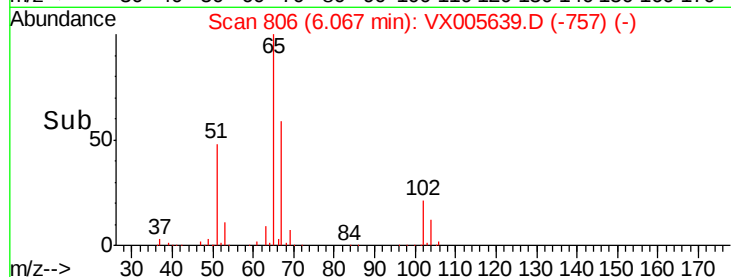
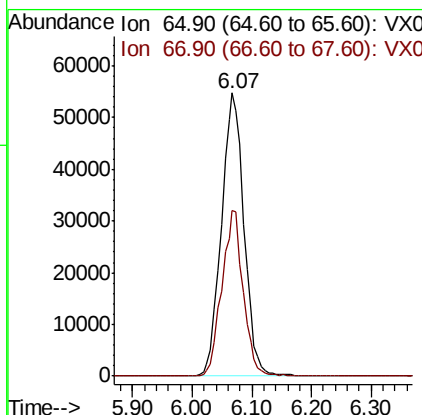
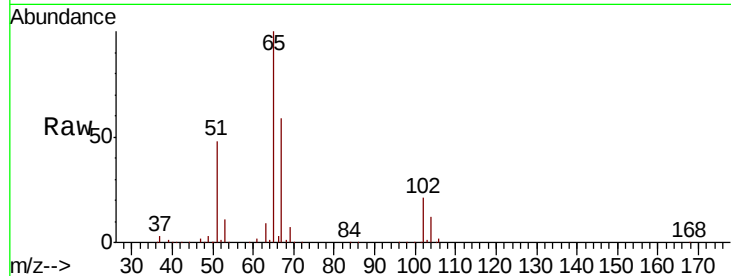




#33
 1,2-Dichloroethane-d4
 Concen: 51.157 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005639.D
 Acq: 27 Oct 2018 07:21

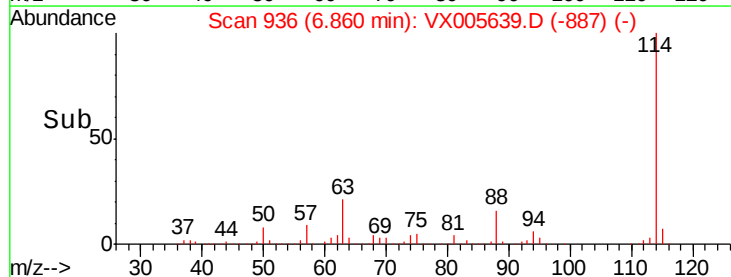
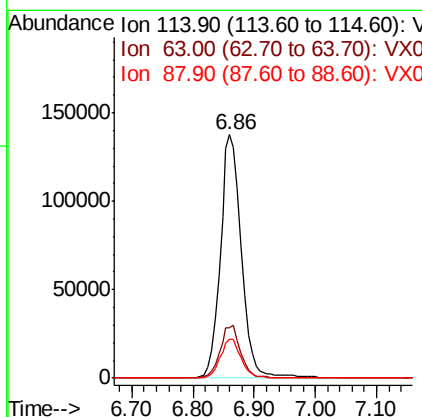
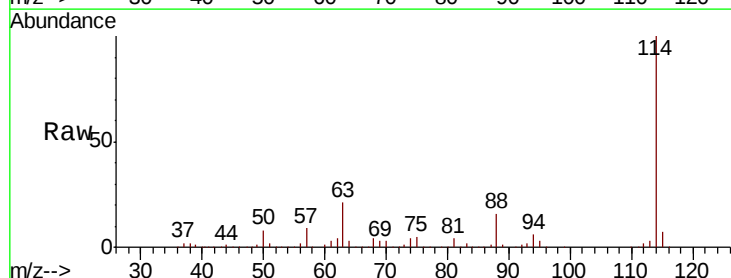
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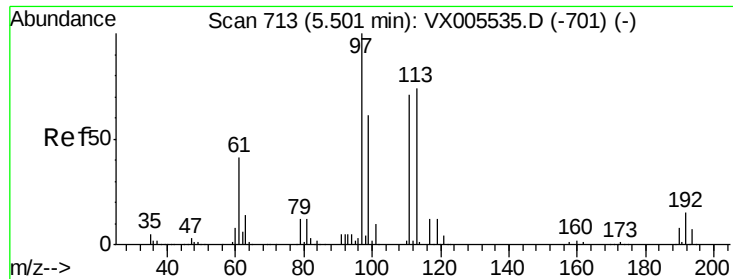
Tot Ion: 65 Resp: 143798
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005639.D
 Acq: 27 Oct 2018 07:21

Tgt Ion: 114 Resp: 332219
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.281 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

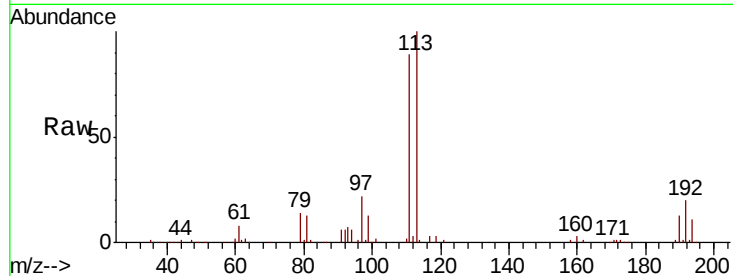
Tot Ion:113 Resp: 115357

Ion Ratio Lower Upper

113 100

111 99.8 82.3 123.5

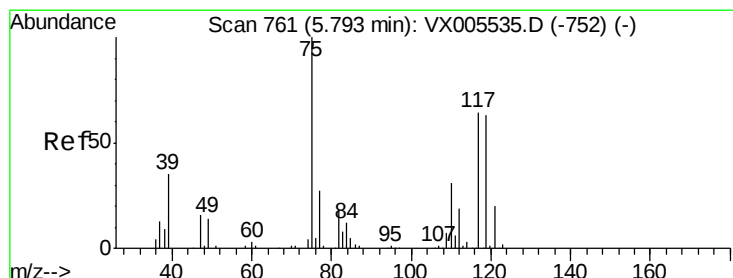
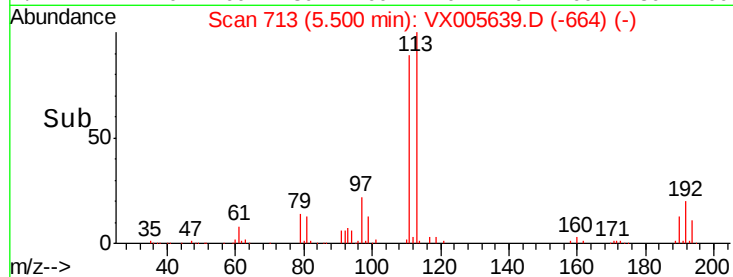
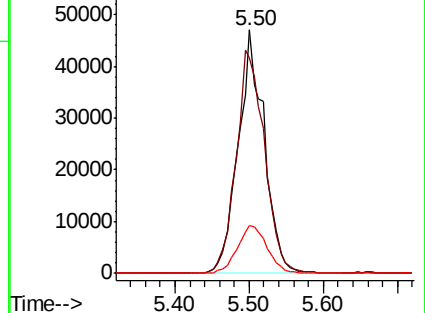
192 22.3 17.9 26.9



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: 5.099 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

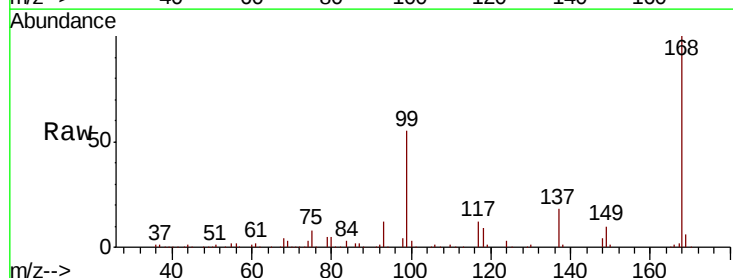
Tgt Ion: 75 Resp: 16440

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.2#

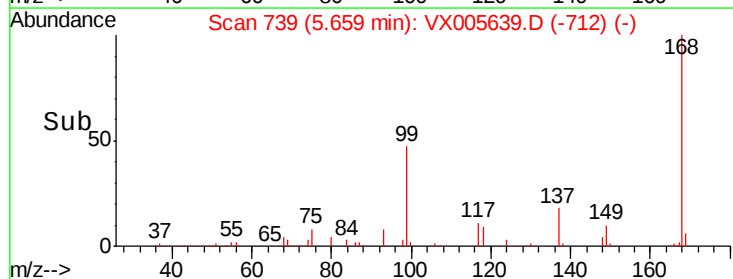
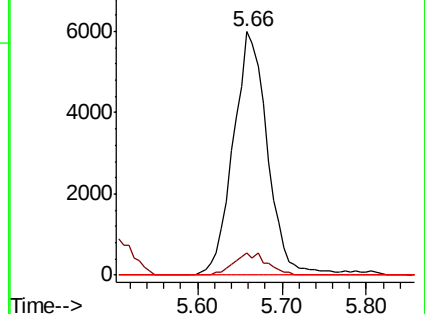
77 0.0 25.8 38.6#

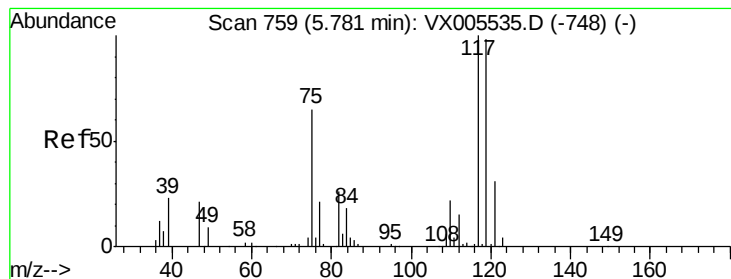


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.406 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

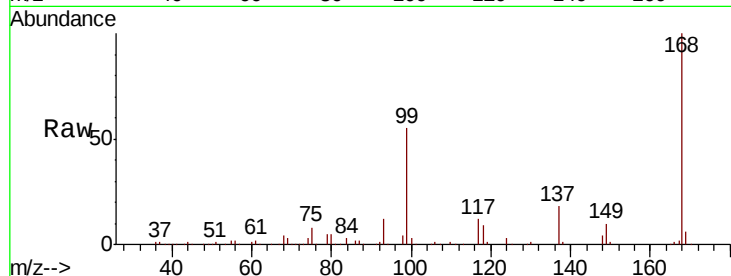
Tot Ion:117 Resp: 21754

Ion Ratio Lower Upper

117 100

119 5.1 78.1 117.1#

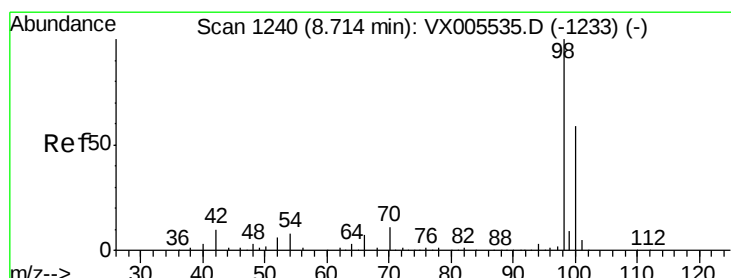
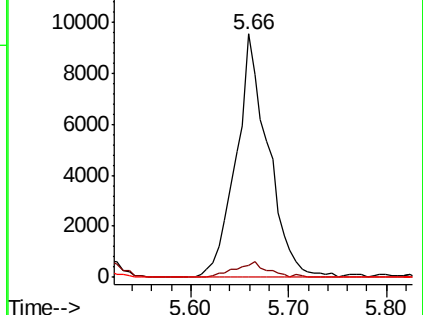
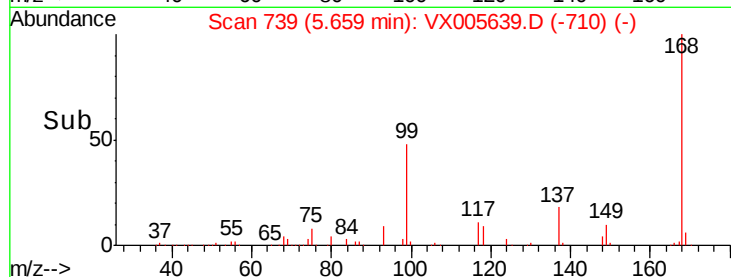
121 0.0 24.6 36.8#



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: 48.697 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005639.D

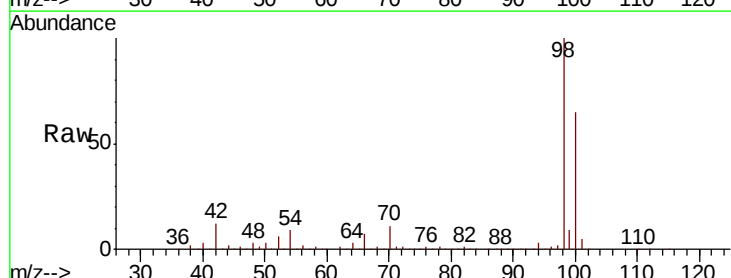
Acq: 27 Oct 2018 07:21

Tgt Ion: 98 Resp: 393616

Ion Ratio Lower Upper

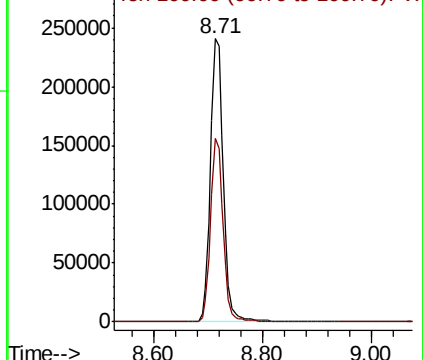
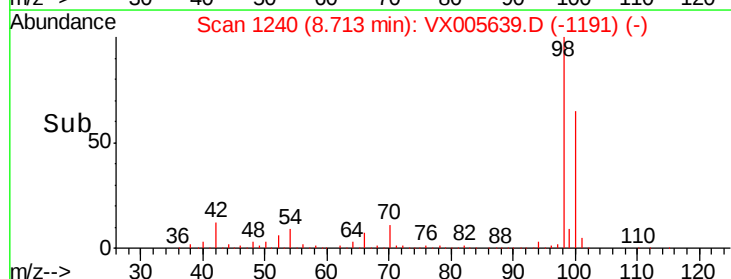
98 100

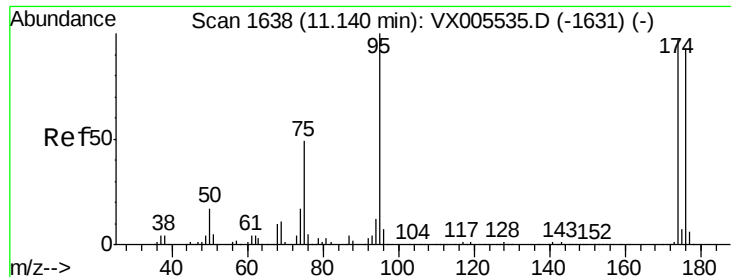
100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.489 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

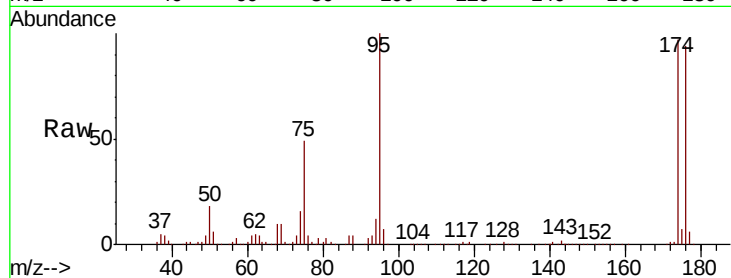
Tot Ion: 95 Resp: 132749

Ion Ratio Lower Upper

95 100

174 93.1 0.0 184.4

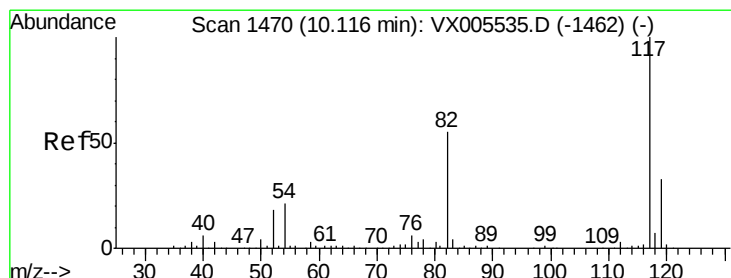
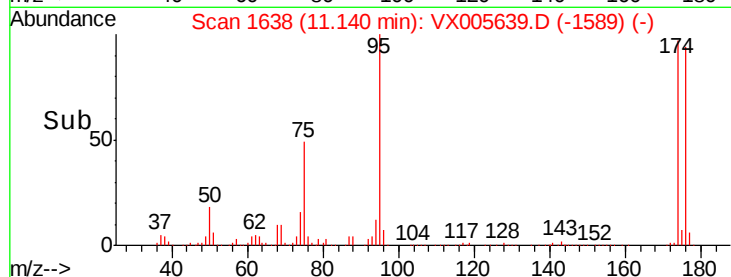
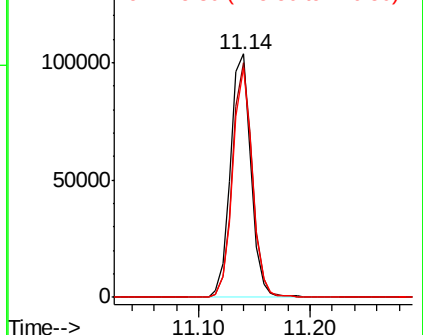
176 89.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005535.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005535.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005535.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

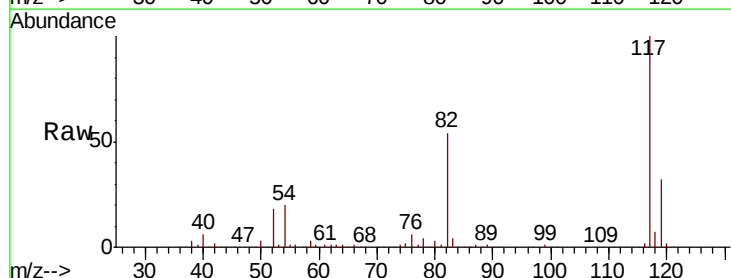
Tgt Ion: 117 Resp: 295816

Ion Ratio Lower Upper

117 100

82 54.2 44.1 66.1

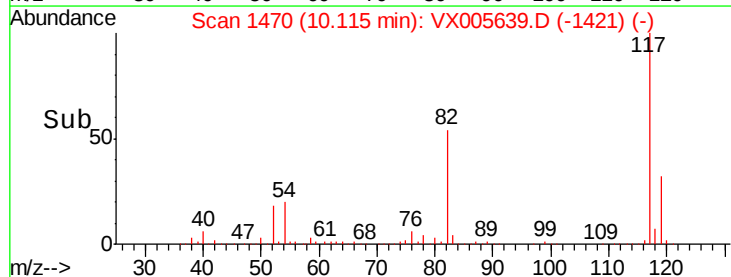
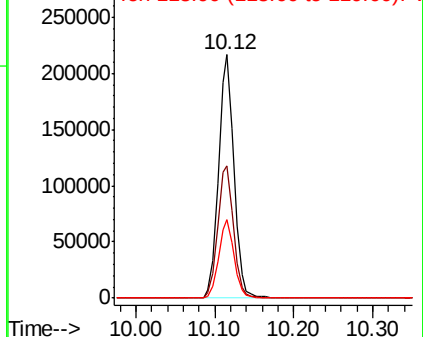
119 32.0 26.2 39.2

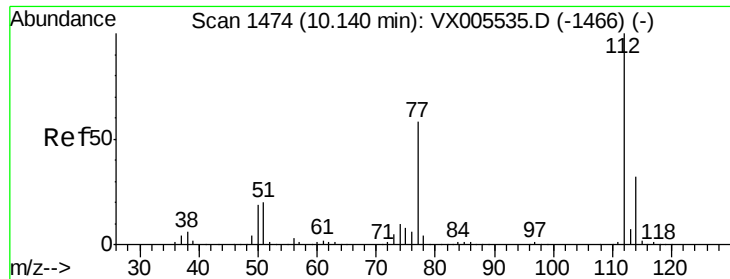


Abundance Ion 116.90 (116.60 to 117.60): VX005535.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005535.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005535.D (-1462) (-)

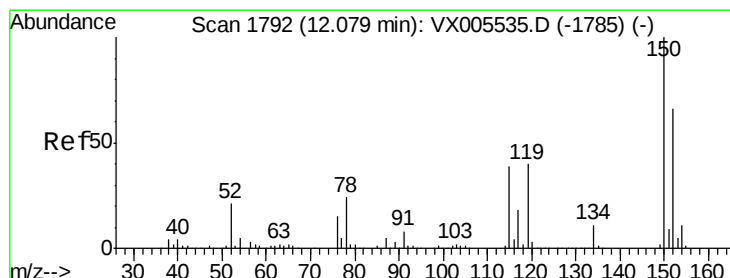
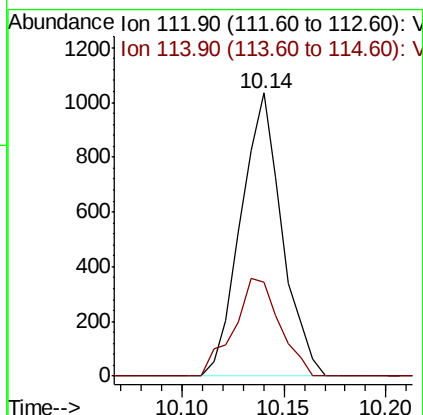
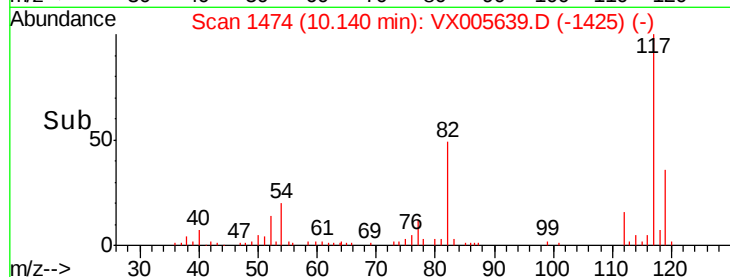
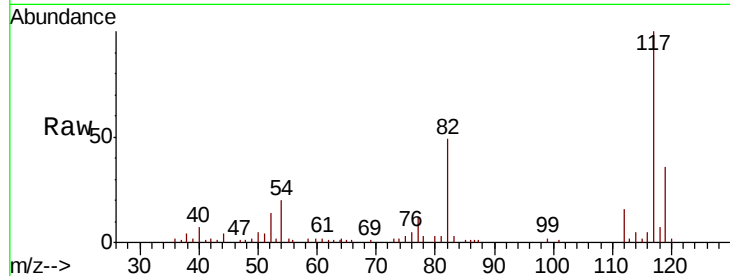




#65
Chlorobenzene
Concen: 0.231 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005639.D
Acq: 27 Oct 2018 07:21

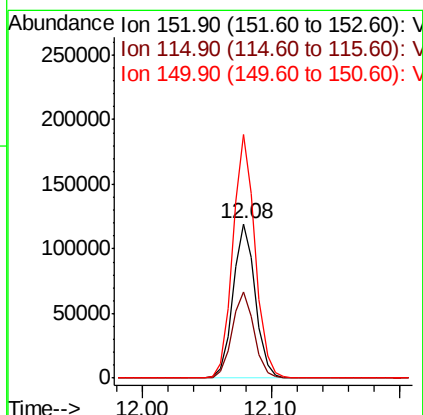
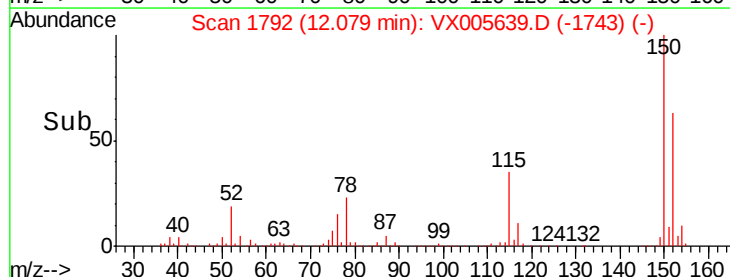
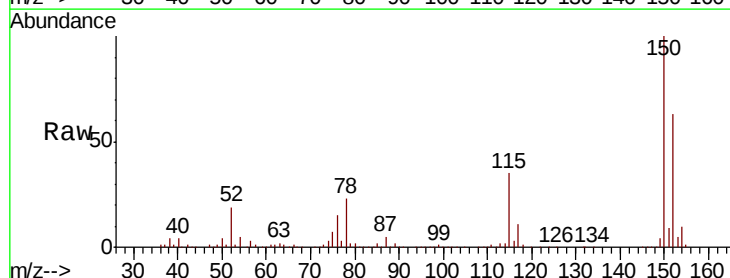
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ142I-20181024

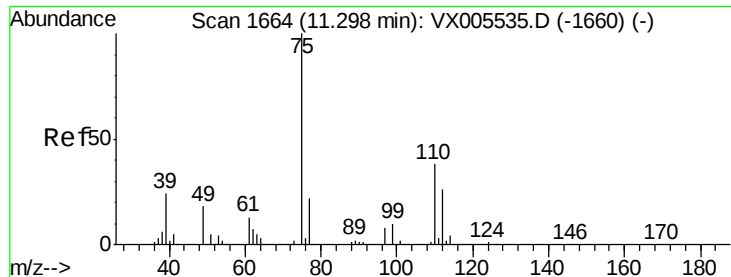
Tot Ion:112 Resp: 1452
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005639.D
Acq: 27 Oct 2018 07:21

Tgt Ion:152 Resp: 143805
Ion Ratio Lower Upper
152 100
115 55.8 39.4 118.1
150 158.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.100 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

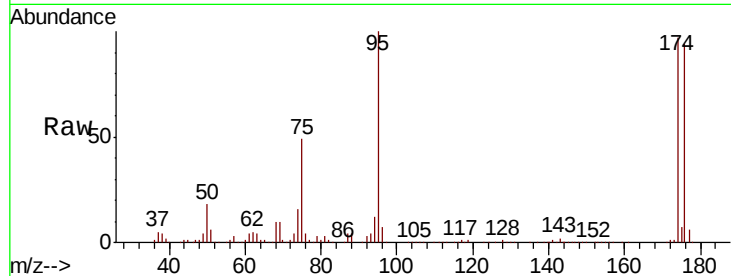
SA-PZ142I-20181024

Tot Ion: 75 Resp: 67337

Ion Ratio Lower Upper

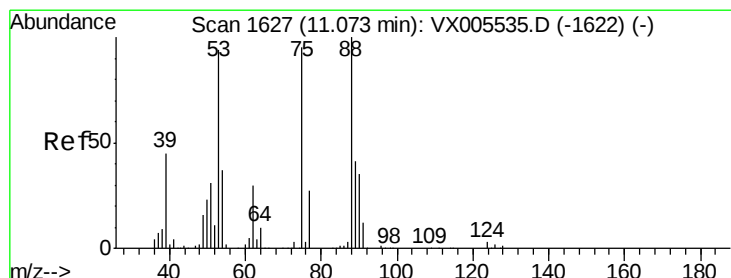
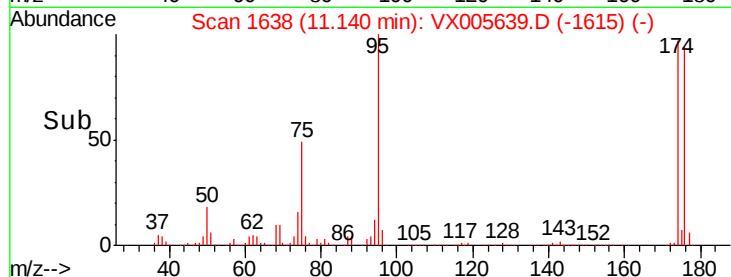
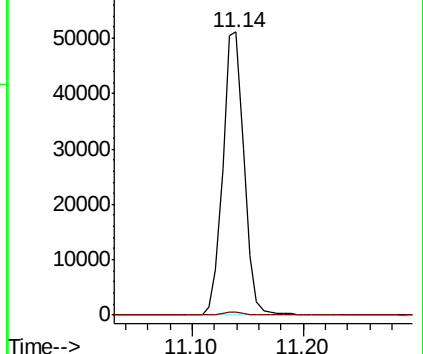
75 100

77 1.3 20.5 61.6#



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: 72.213 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

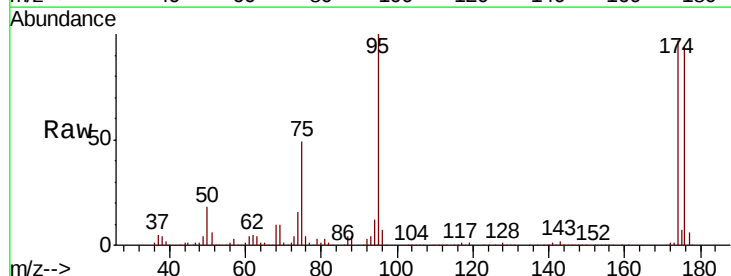
Tgt Ion: 75 Resp: 67337

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

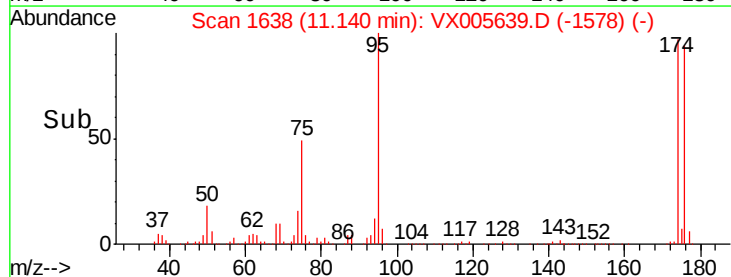
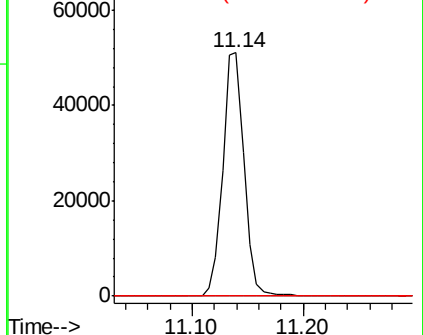
89 0.2 39.8 59.8#

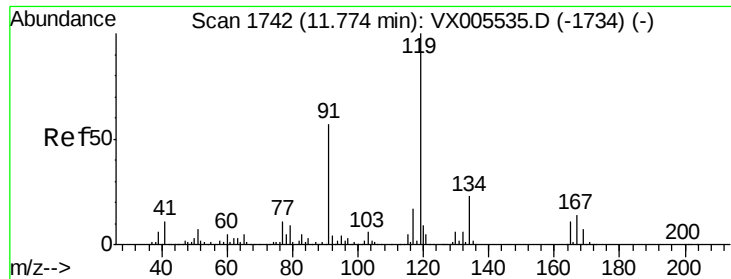


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

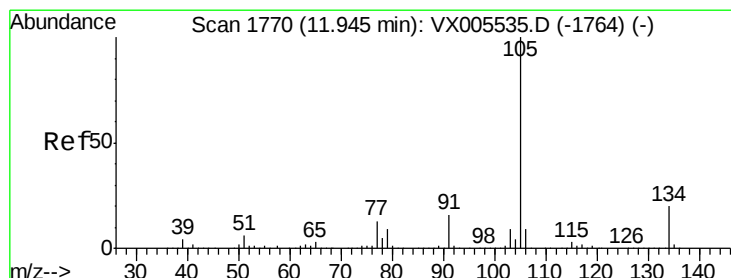
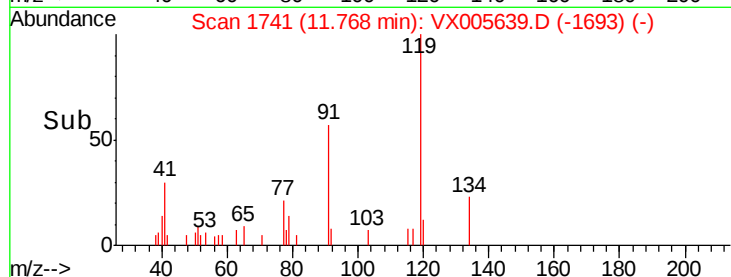
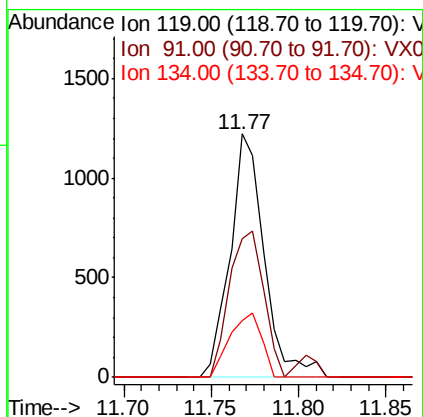
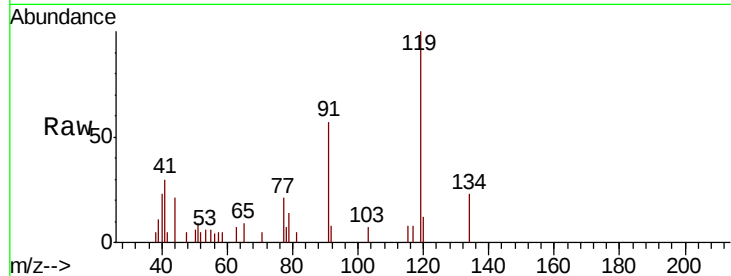




#83
tert-Butylbenzene
Concen: 0.222 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX005639.D
Acq: 27 Oct 2018 07:21

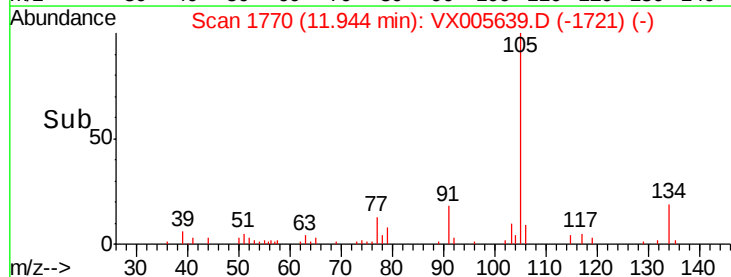
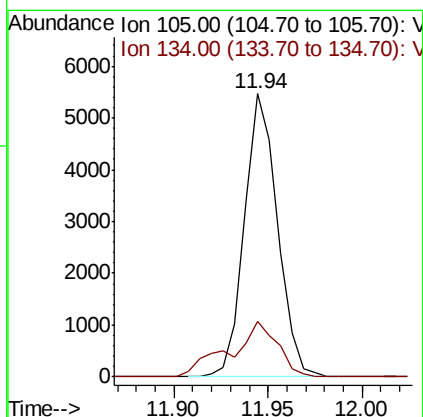
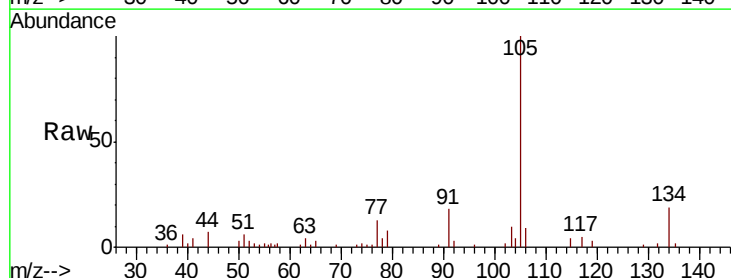
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ142I-20181024

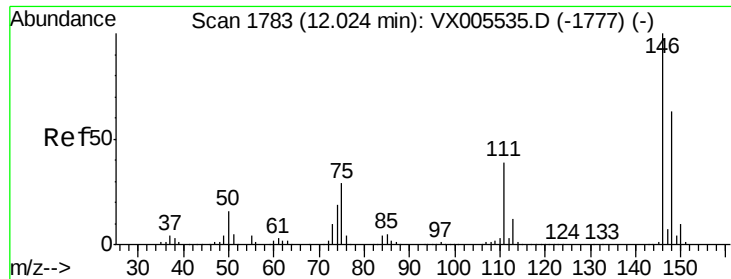
Tot Ion:119 Resp: 1662
Ion Ratio Lower Upper
119 100
91 60.2 28.5 85.5
134 24.4 11.3 33.8



#85
sec-Butylbenzene
Concen: 0.745 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX005639.D
Acq: 27 Oct 2018 07:21

Tgt Ion:105 Resp: 6660
Ion Ratio Lower Upper
105 100
134 28.2 10.2 30.4

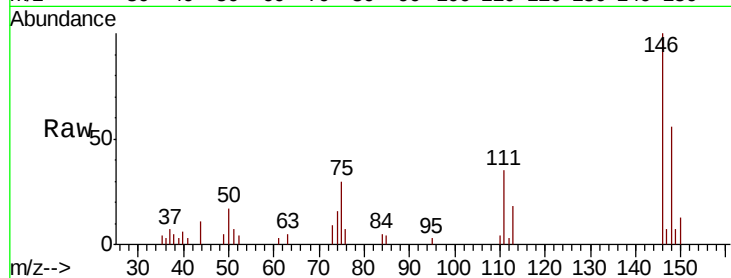




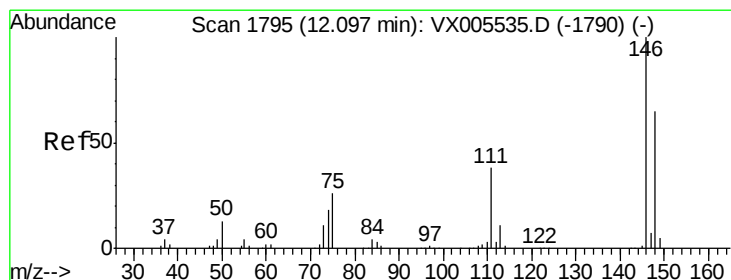
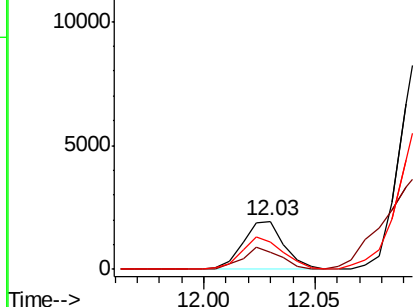
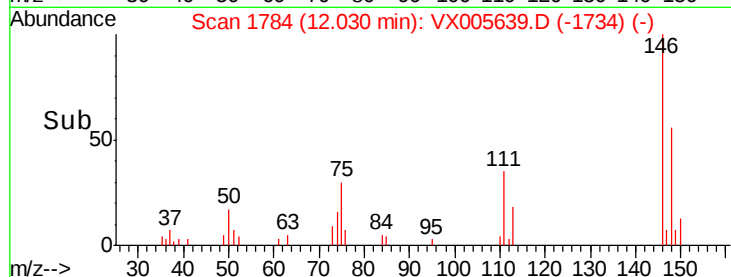
#87
 1,3-Dichlorobenzene
 Concen: 0.544 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005639.D
 Acq: 27 Oct 2018 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ142I-20181024

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.0	57.0
148	66.8	31.9	95.9

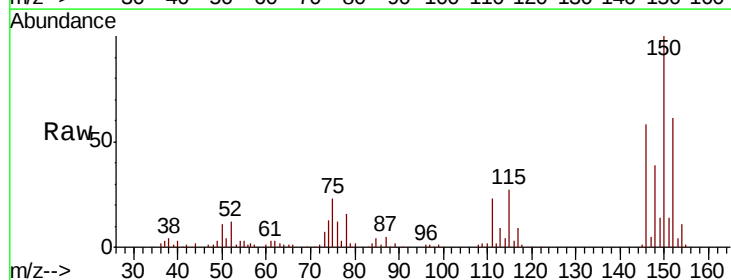


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

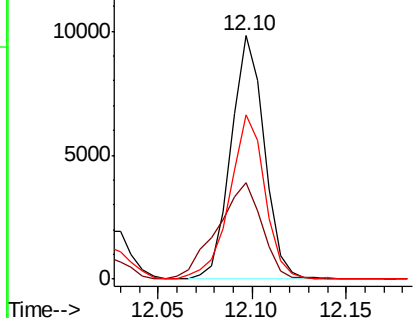
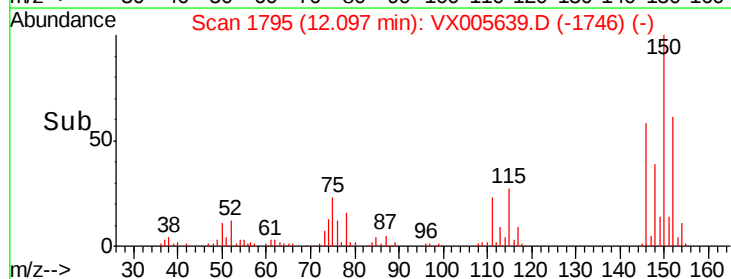


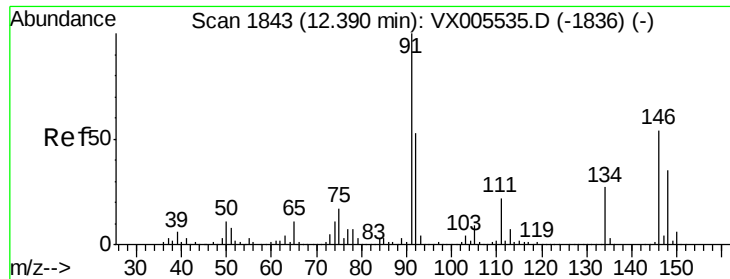
#88
 1,4-Dichlorobenzene
 Concen: 2.502 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005639.D
 Acq: 27 Oct 2018 07:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.5	18.6	55.8
148	71.3	32.1	96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

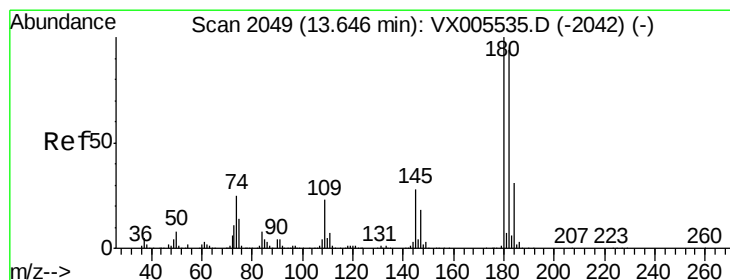
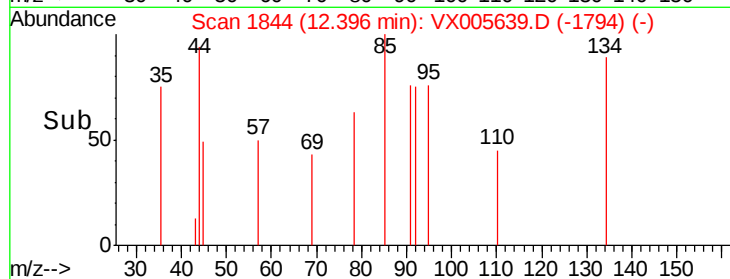
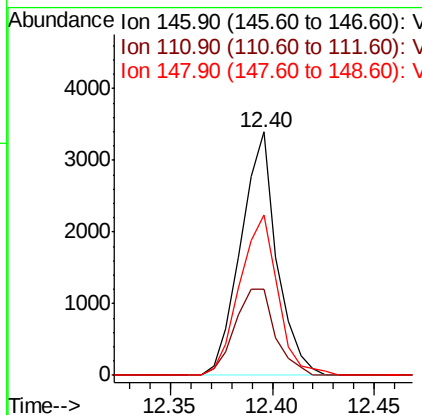
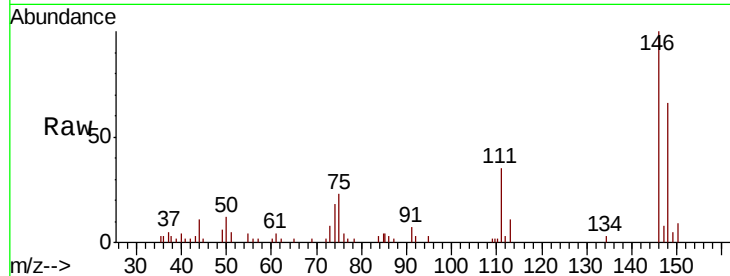




#91
 1,2-Dichlorobenzene
 Concen: 0.890 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005639.D
 Acq: 27 Oct 2018 07:21

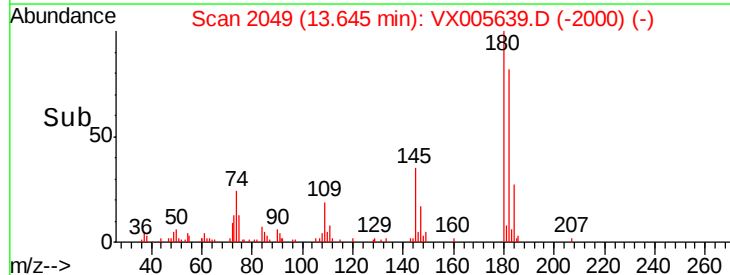
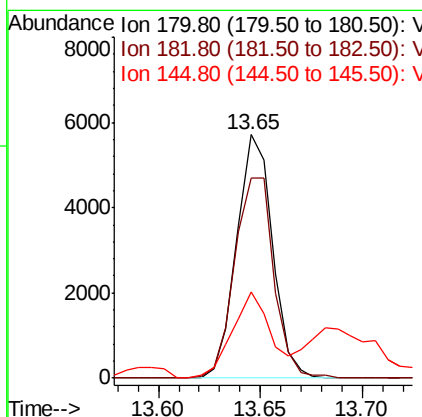
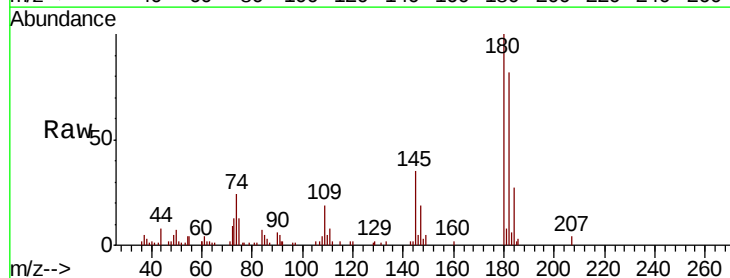
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ142I-20181024

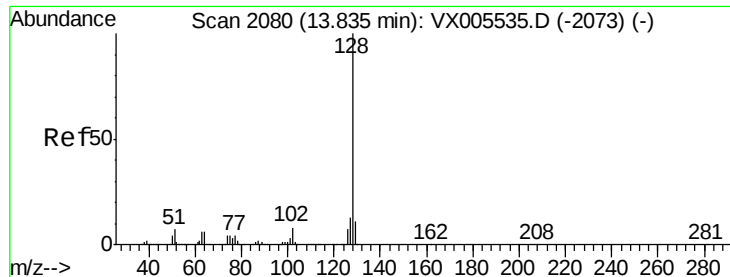
Tot Ion:146 Resp: 4149
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 59.9
 148 69.9 32.2 96.6



#93
 1,2,4-Trichlorobenzene
 Concen: 2.071 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005639.D
 Acq: 27 Oct 2018 07:21

Tgt Ion:180 Resp: 6997
 Ion Ratio Lower Upper
 180 100
 182 89.7 47.6 142.8
 145 37.7 14.1 42.2





#95

Naphthalene

Concen: 0.209 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

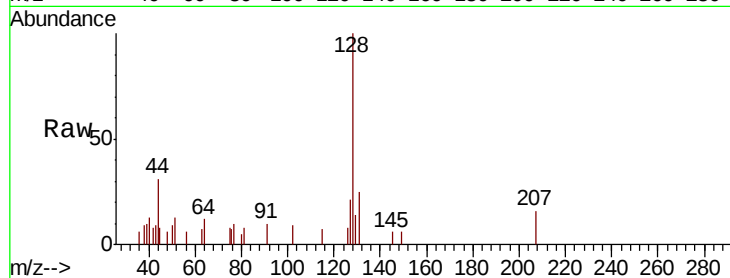
Tot Ion:128 Resp: 2054

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

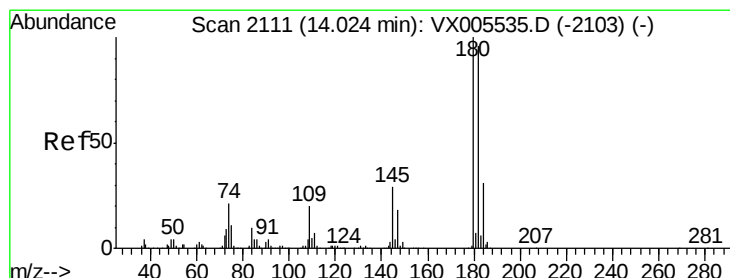
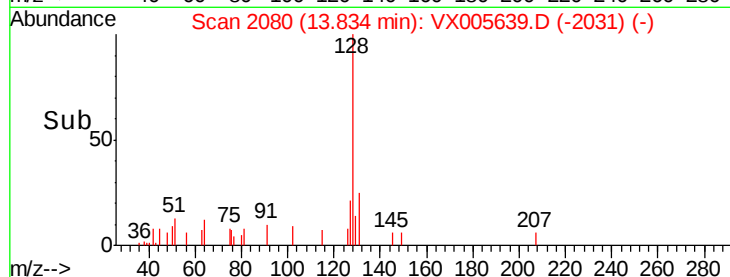
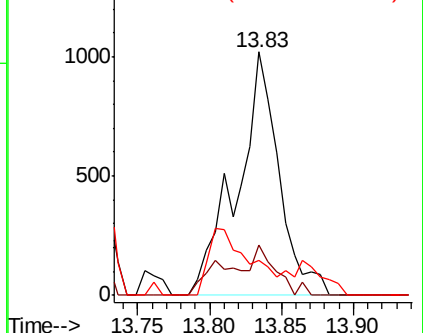
129 0.0 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.589 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

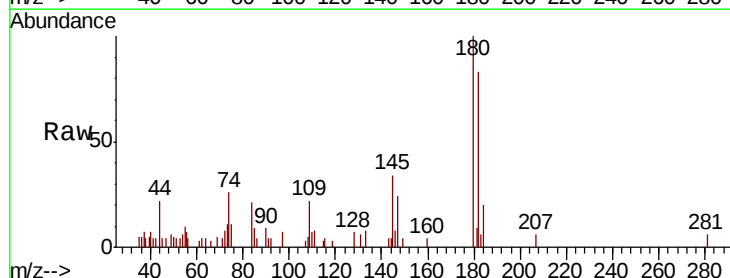
Tgt Ion:180 Resp: 2017

Ion Ratio Lower Upper

180 100

182 89.0 48.0 144.2

145 91.8 15.1 45.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

