

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059067.D
 Acq On : 1 Nov 2019 17:04
 Operator : JC/SP
 Sample : K5615-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 06:06:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	428953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	670880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	284884	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	7.57	113	211408	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	10.08	98	815544	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.40	95	261612	43.19	ug/l	0.00
Spiked Amount			Recovery	=	86.38%	

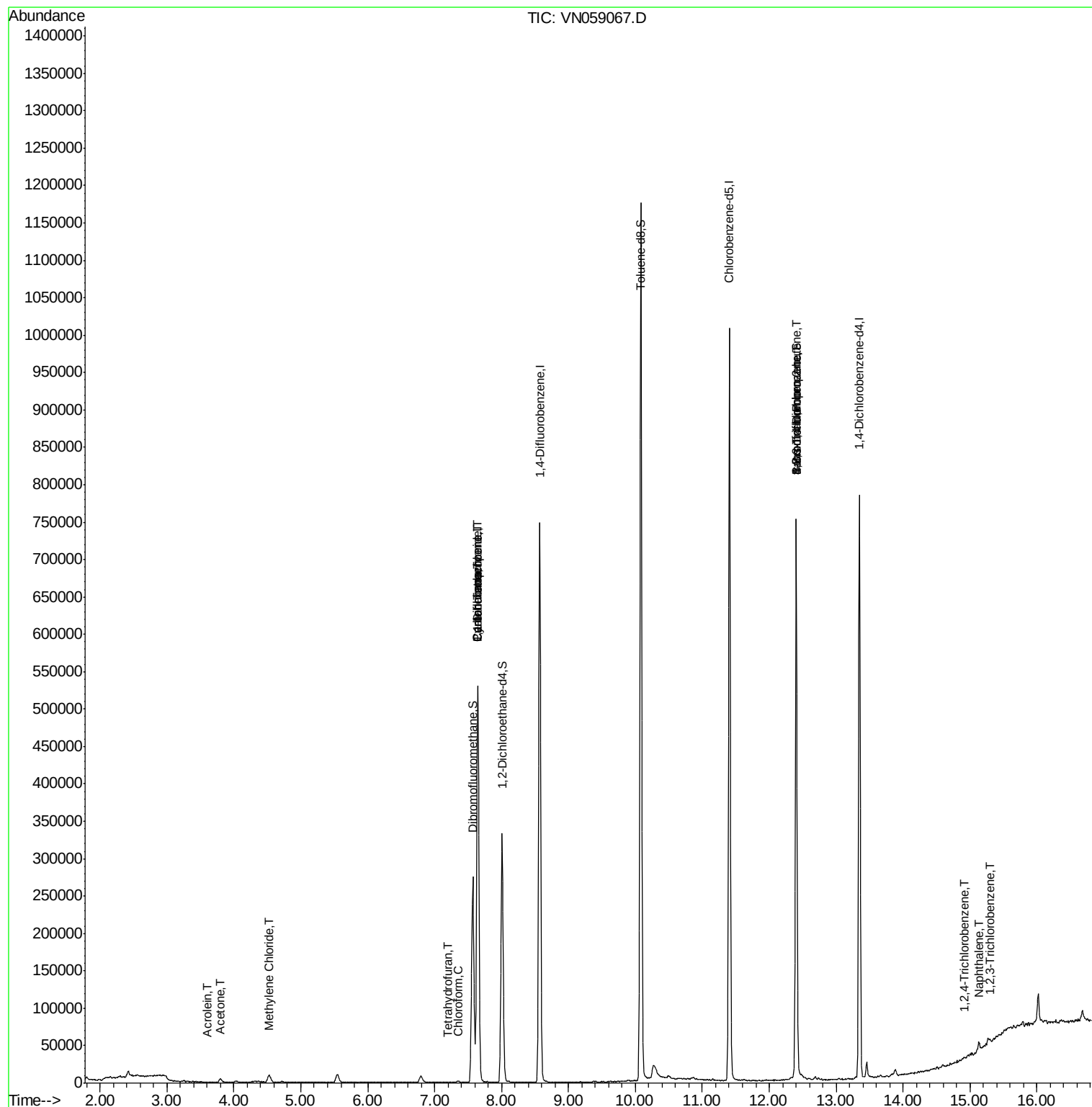
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	171	0.258	ug/l #	15
16) Acetone	3.80	43	7919	2.753	ug/l	97
20) Methylene Chloride	4.53	84	8050	1.599	ug/l	94
29) Tetrahydrofuran	7.19	42	562	0.233	ug/l #	35
30) Chloroform	7.35	83	2342	0.267	ug/l	93
31) Cyclohexane	7.64	56	9611	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	33598	5.039	ug/l #	49
38) Carbon Tetrachloride	7.64	117	41902	6.448	ug/l #	16
71) Bromoform	12.40	173	1614	0.472	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	134543	26.911	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134543	68.987	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.92	180	872	0.235	ug/l #	15
95) Naphthalene	15.13	128	7232	3.575	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.30	180	787	0.209	ug/l #	79

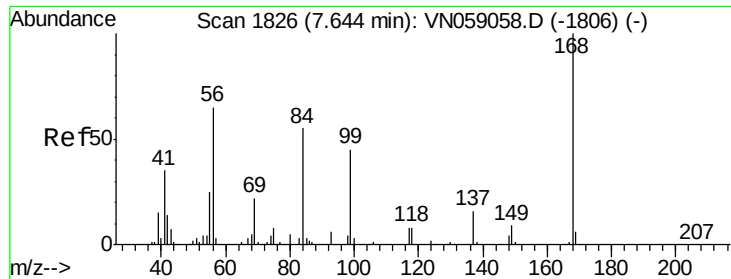
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110119\
Data File : VN059067.D
Acq On : 1 Nov 2019 17:04
Operator : JC/SP
Sample : K5615-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 02 06:06:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

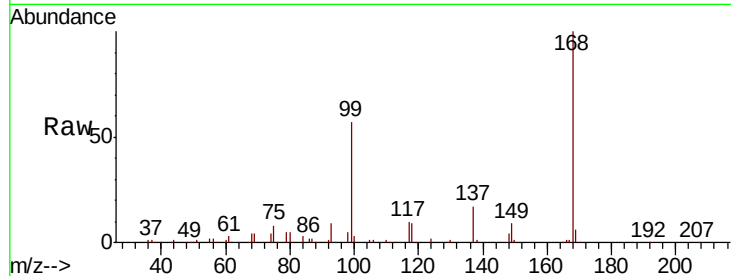
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 428953

Ion Ratio Lower Upper

168 100

99 57.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

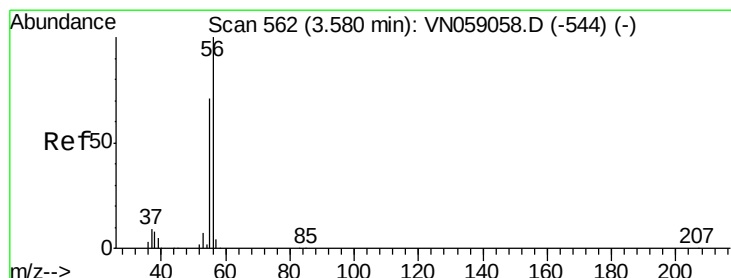
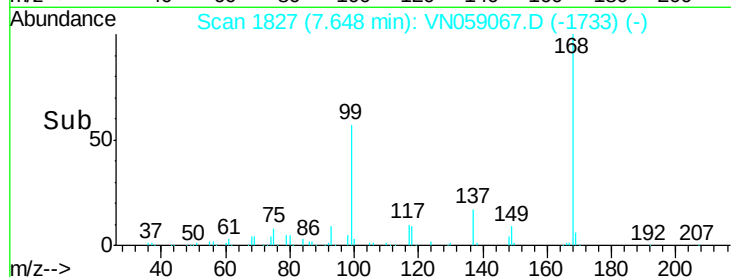
100000

50000

0

7.60 7.70

Time-->



#13

Acrolein

Concen: 0.258 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059067.D

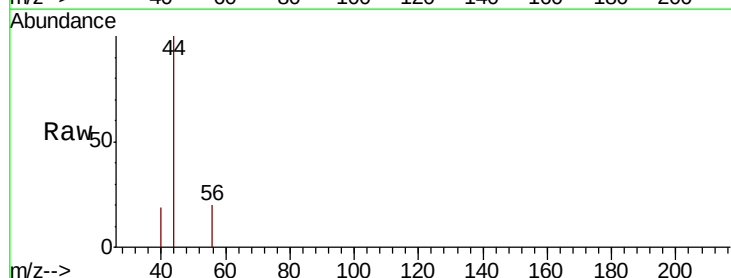
Acq: 1 Nov 2019 17:04

Tgt Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.59

200

150

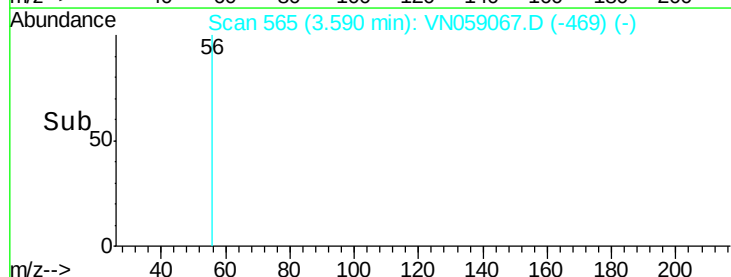
100

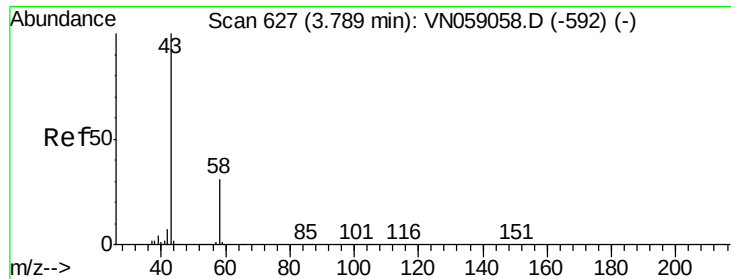
50

0

3.57 3.58 3.59 3.60

Time-->

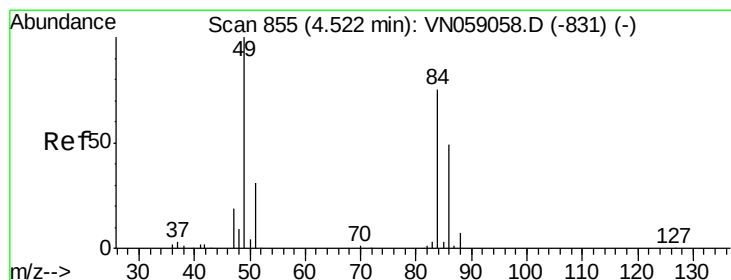
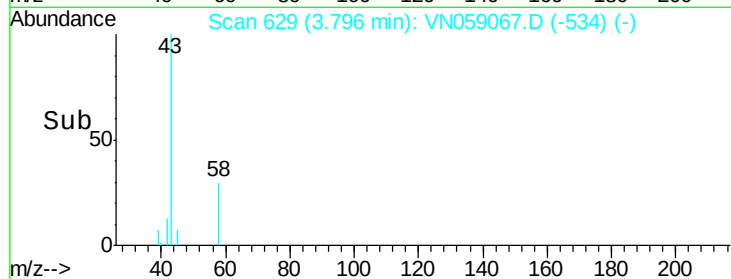
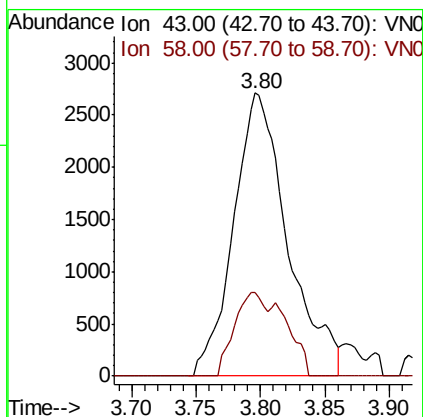
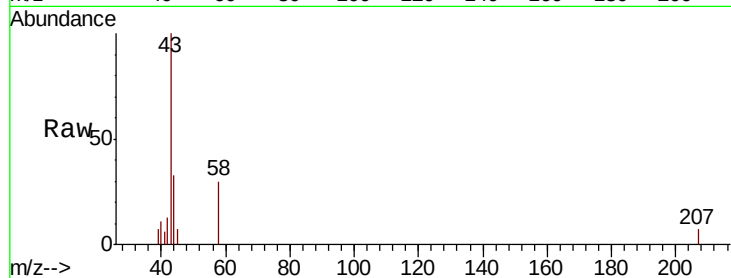




#16
Acetone
Concen: 2.753 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

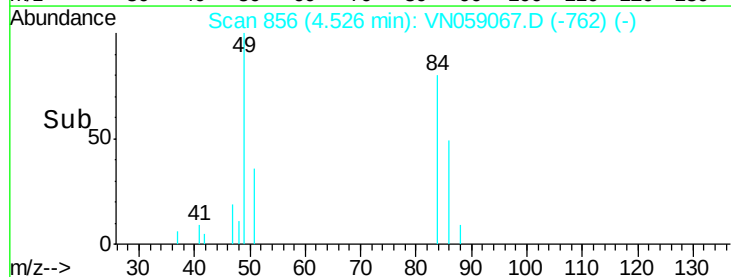
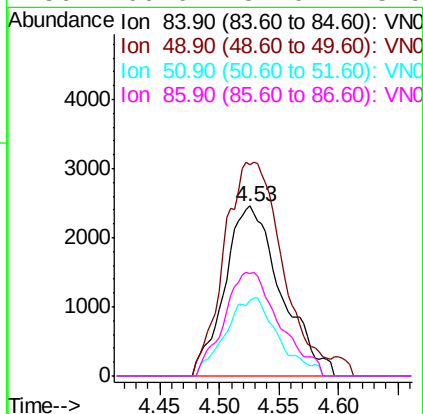
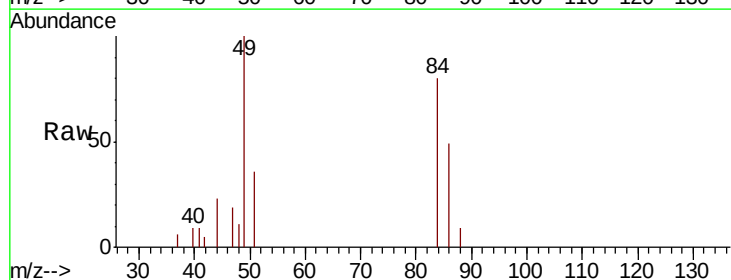
Instrument :
MSVOA_N
ClientSampleId :

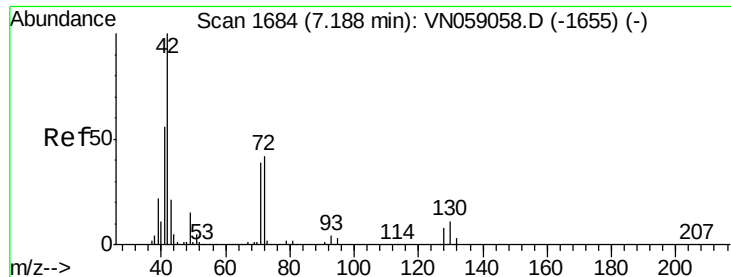
Tot Ion: 43 Resp: 7919
Ion Ratio Lower Upper
43 100
58 29.8 25.0 37.6



#20
Methylene Chloride
Concen: 1.599 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

Tgt Ion: 84 Resp: 8050
Ion Ratio Lower Upper
84 100
49 124.5 106.4 159.6
51 44.2 33.0 49.4
86 60.6 52.0 78.0





#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

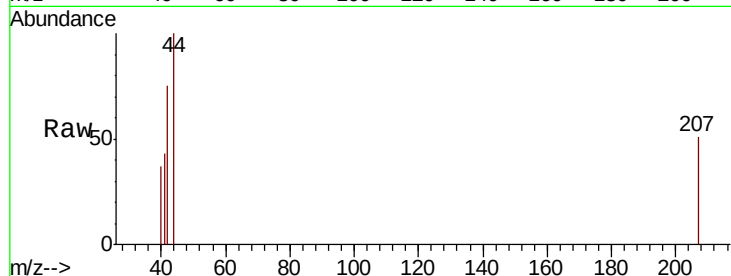
Tot Ion: 42 Resp: 562

Ion Ratio Lower Upper

42 100

72 0.0 32.7 49.1#

71 0.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.19

400

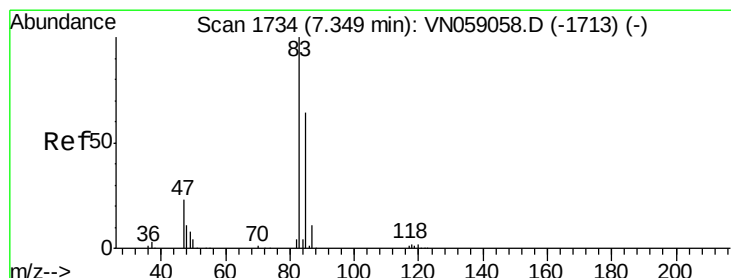
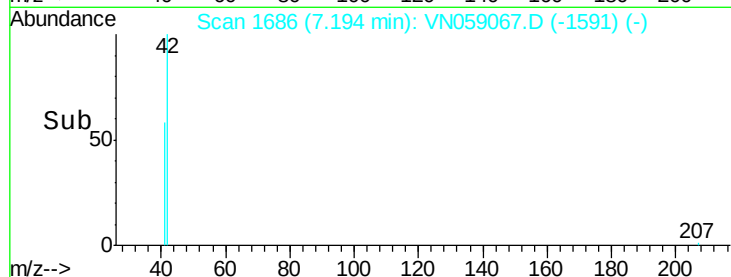
300

200

100

0

Time-->



#30

Chloroform

Concen: 0.267 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN059067.D

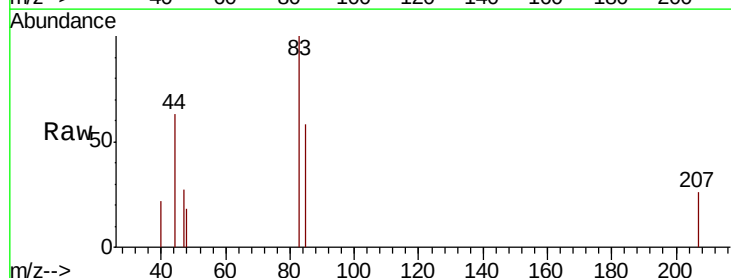
Acq: 1 Nov 2019 17:04

Tgt Ion: 83 Resp: 2342

Ion Ratio Lower Upper

83 100

85 58.0 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

1000

800

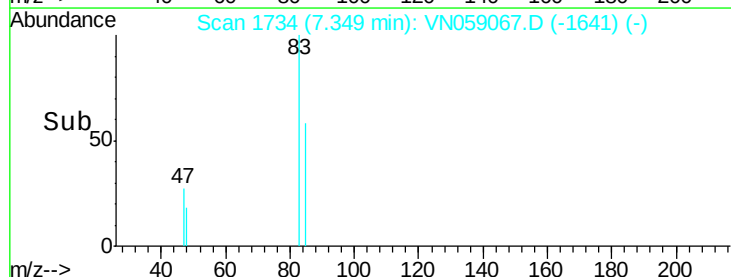
600

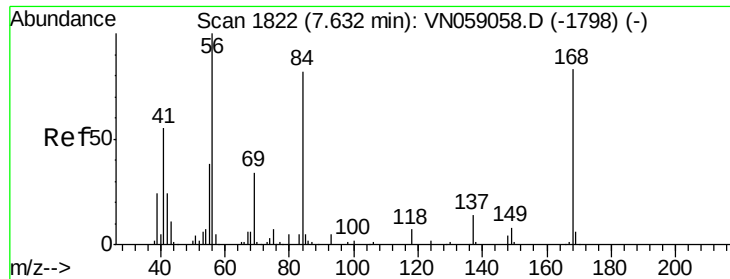
400

200

0

Time-->

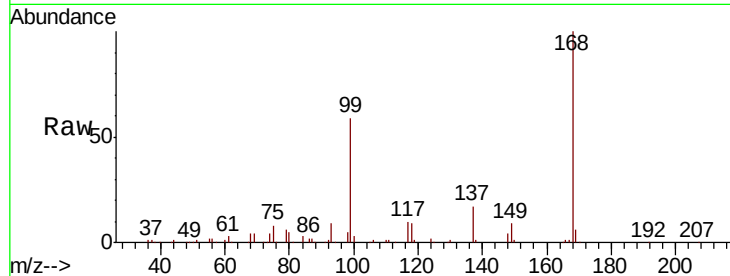




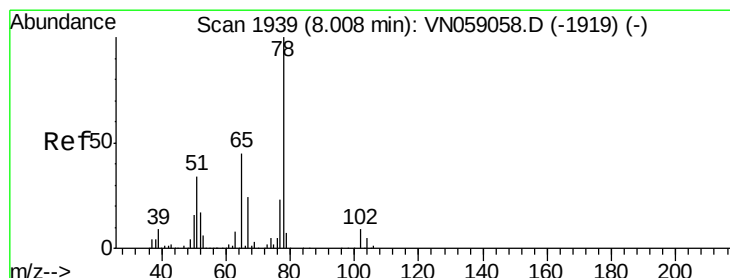
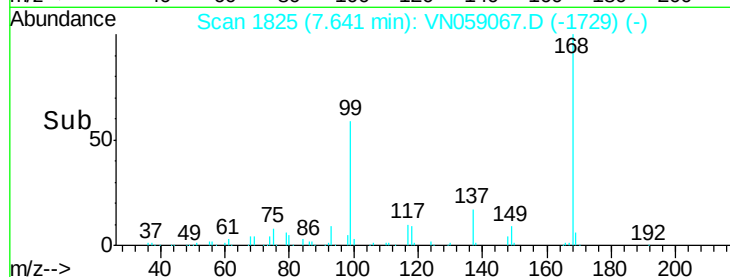
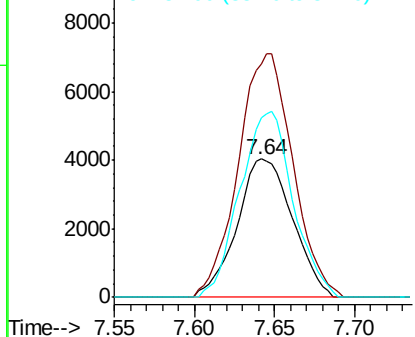
#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9611
Ion Ratio Lower Upper
56 100
69 169.3 27.2 40.8#
84 129.9 65.2 97.8#

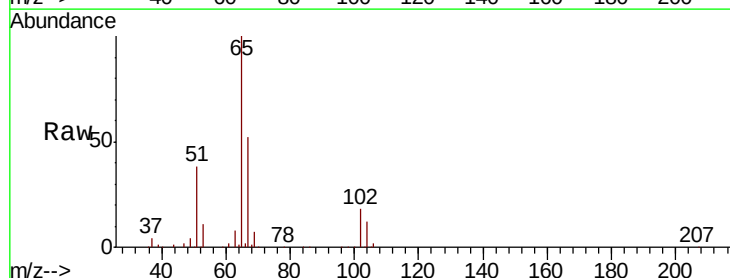


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

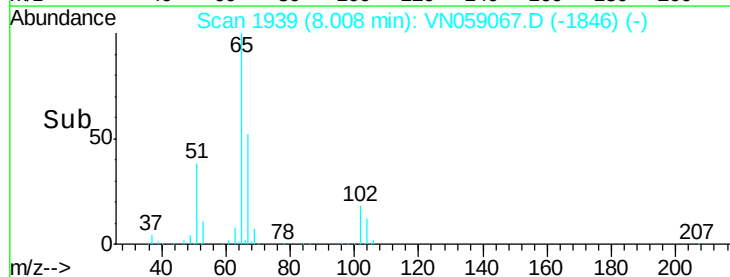
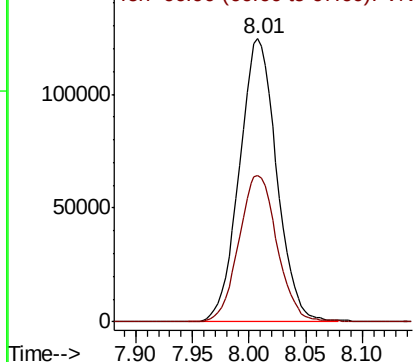


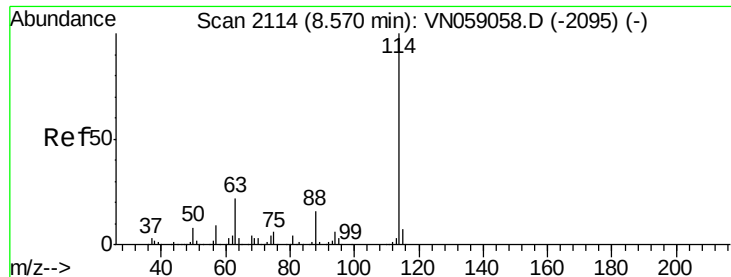
#33
1,2-Dichloroethane-d4
Concen: 50.147 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

Tgt Ion: 65 Resp: 284884
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

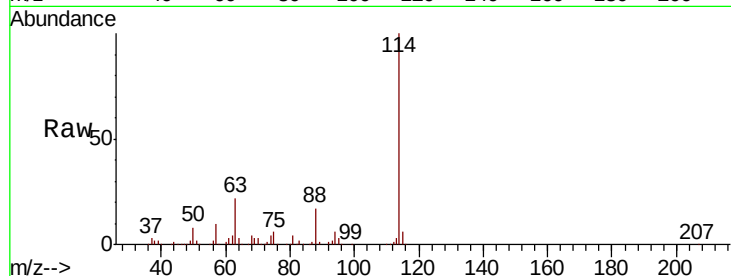
Tot Ion:114 Resp: 670880

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

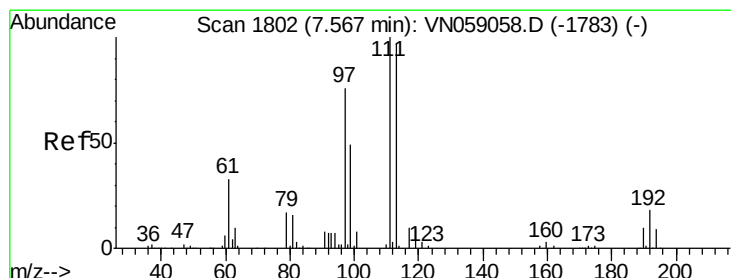
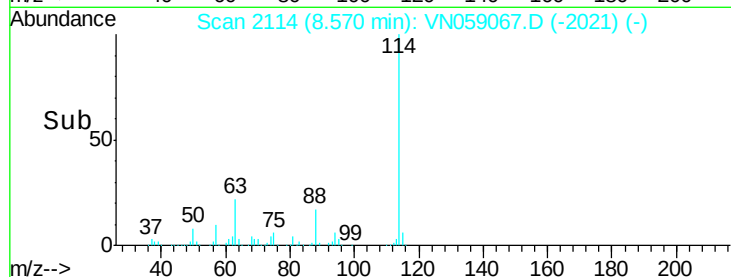
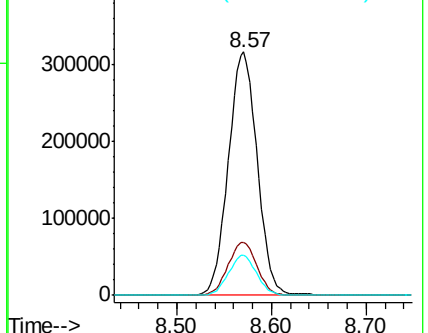
88 16.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.847 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

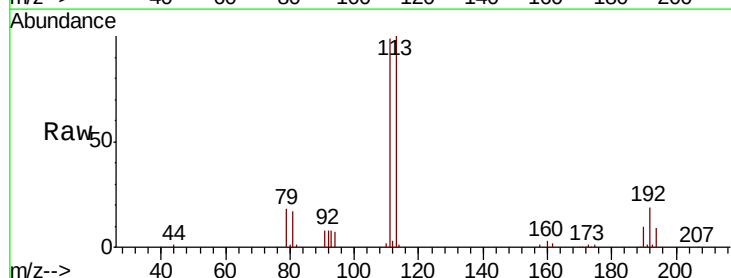
Tgt Ion:113 Resp: 211408

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

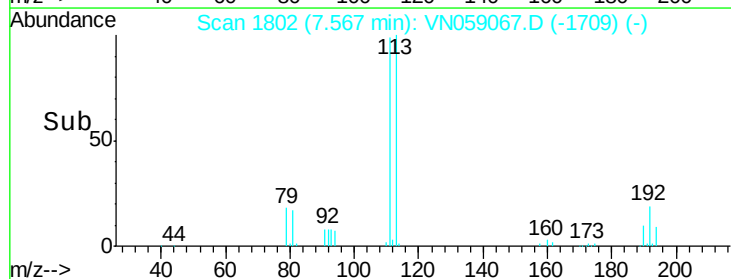
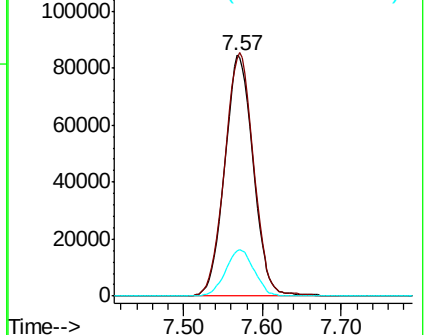
192 19.4 15.9 23.9

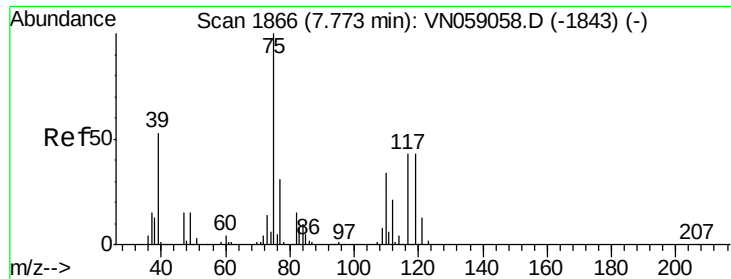


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

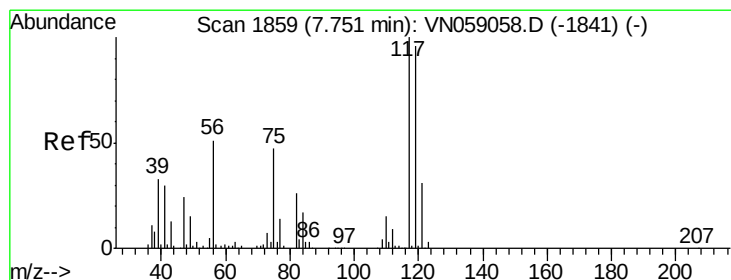
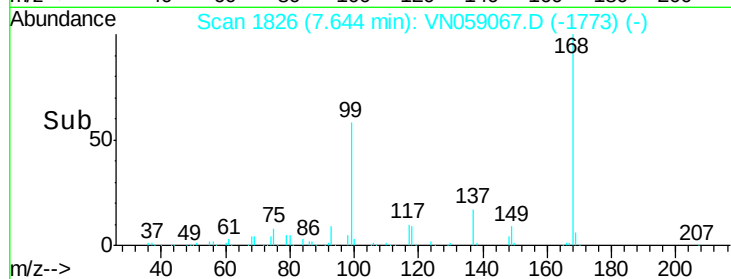
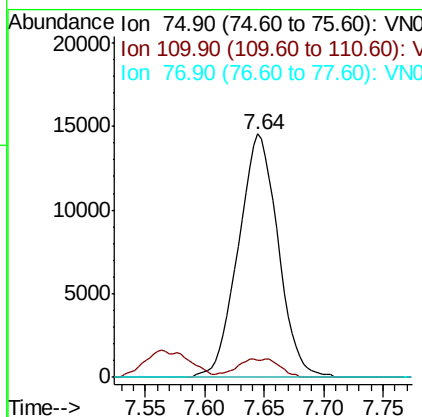
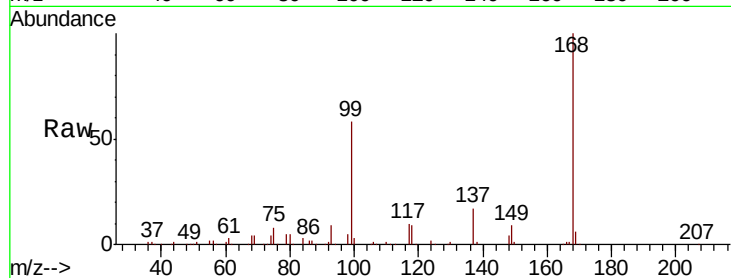




#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059067.D
 Acq: 1 Nov 2019 17:04

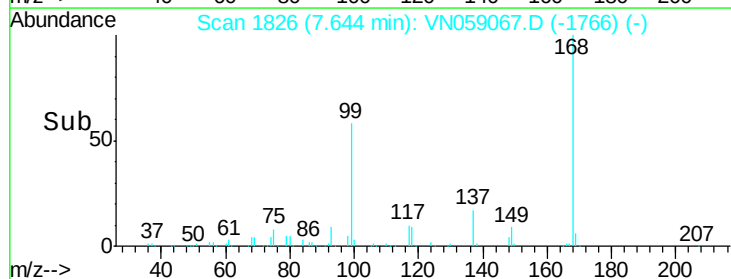
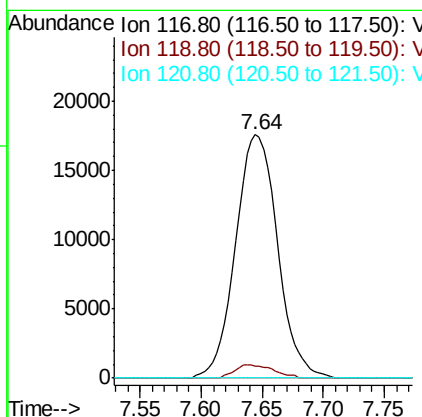
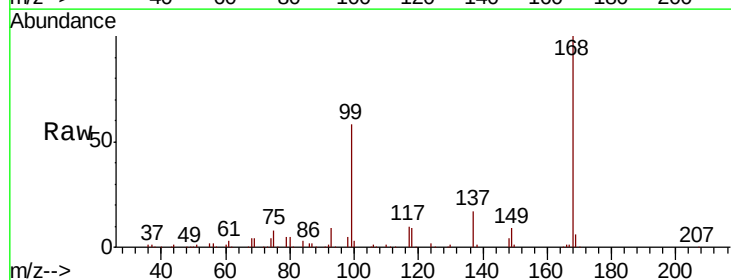
Instrument :
 MSVOA_N
 ClientSampleId :

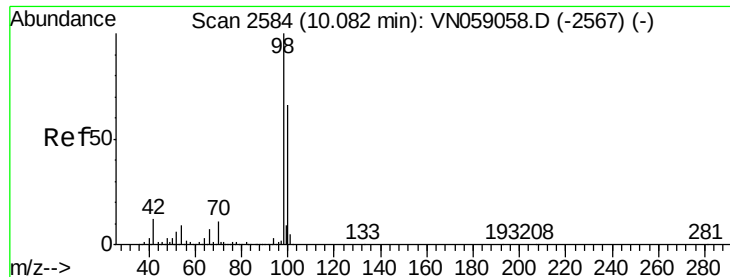
Tot Ion	75	Resp	33598
Ion Ratio	100	Lower	Upper
75	100		
110	8.1	16.9	50.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.448 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059067.D
 Acq: 1 Nov 2019 17:04

Tgt Ion	117	Resp	41902
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	76.6	114.8#
121	0.0	24.6	37.0#

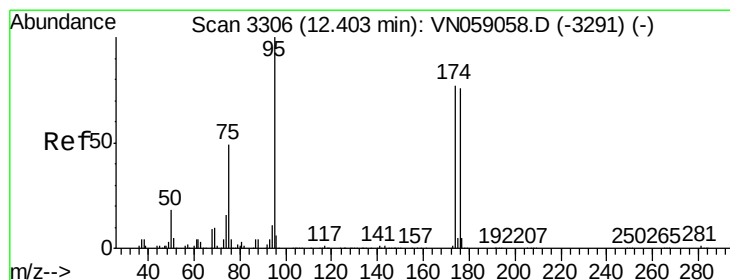
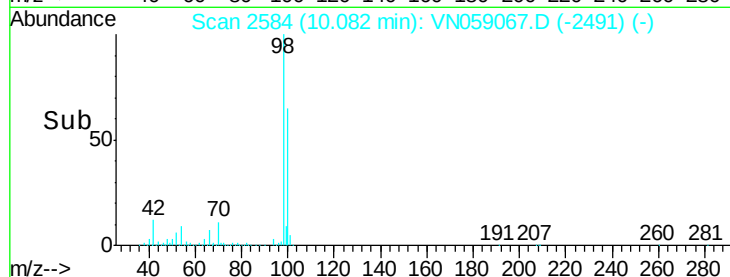
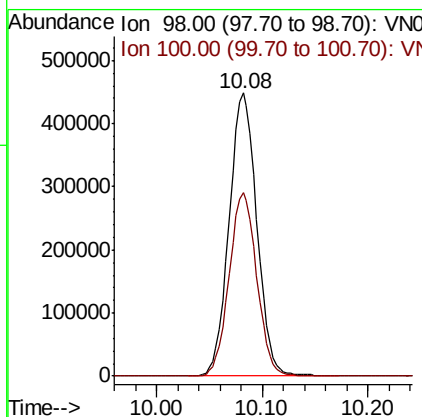
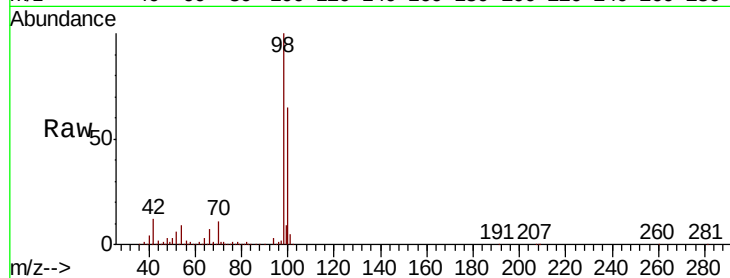




#50
Toluene-d8
Concen: 48.400 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

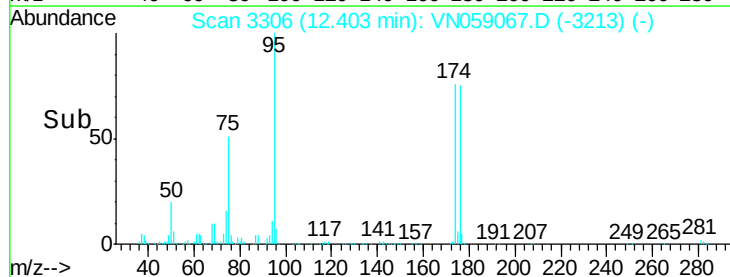
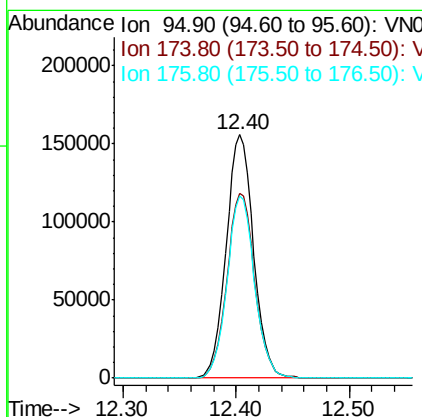
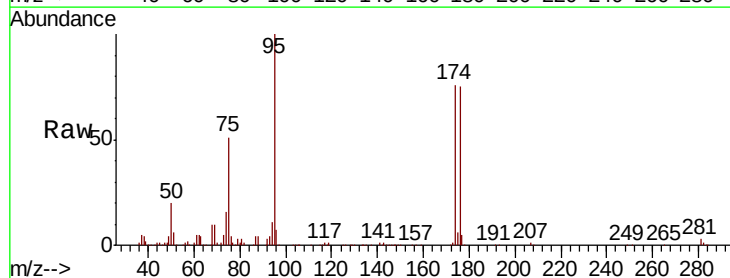
Instrument :
MSVOA_N
ClientSampled :

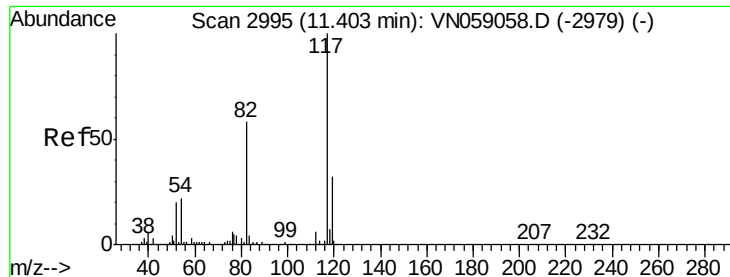
Tot Ion: 98 Resp: 815544
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.191 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

Tgt Ion: 95 Resp: 261612
Ion Ratio Lower Upper
95 100
174 77.2 0.0 155.8
176 75.1 0.0 151.6

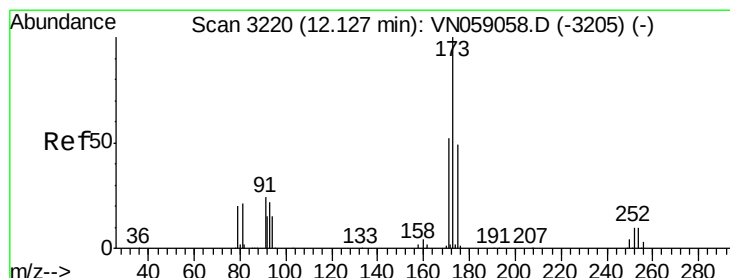
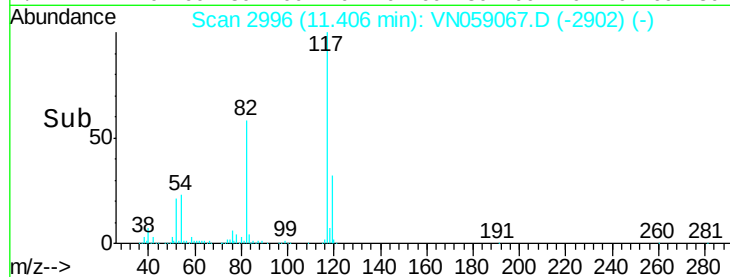
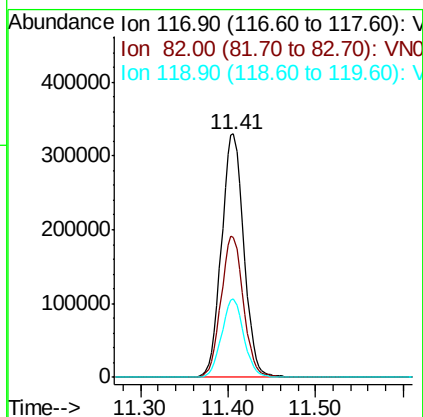
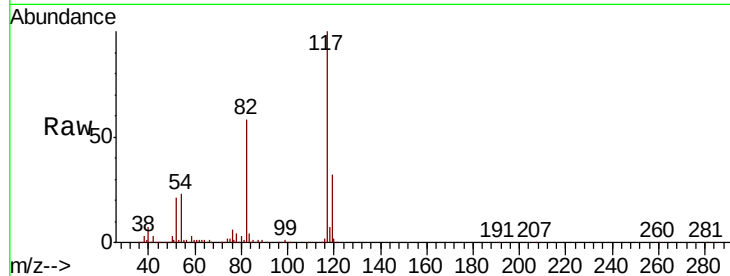




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

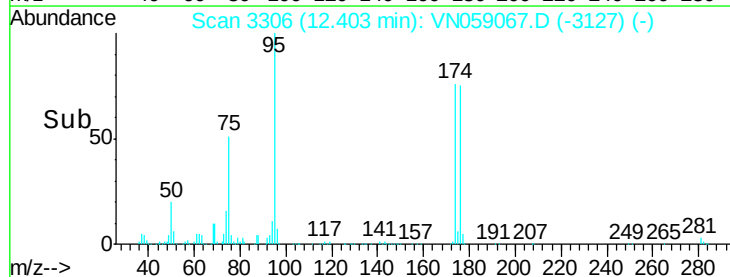
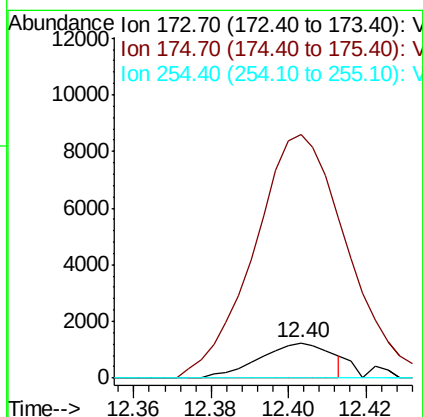
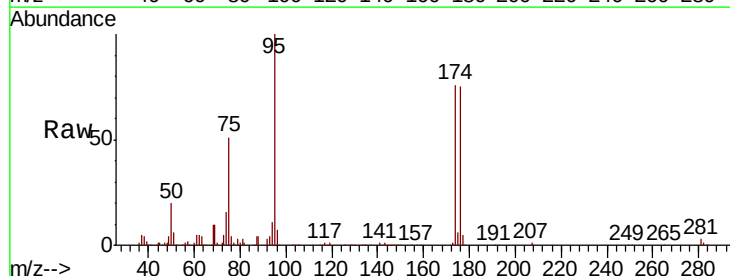
Instrument :
MSVOA_N
ClientSampled :

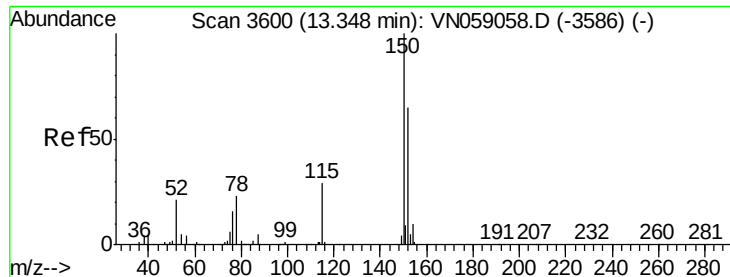
Tot Ion:117 Resp: 585096
Ion Ratio Lower Upper
117 100
82 57.6 46.0 69.0
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.472 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059067.D
Acq: 1 Nov 2019 17:04

Tgt Ion:173 Resp: 1614
Ion Ratio Lower Upper
173 100
175 744.1 24.4 73.2#
254 0.0 0.1 0.1#

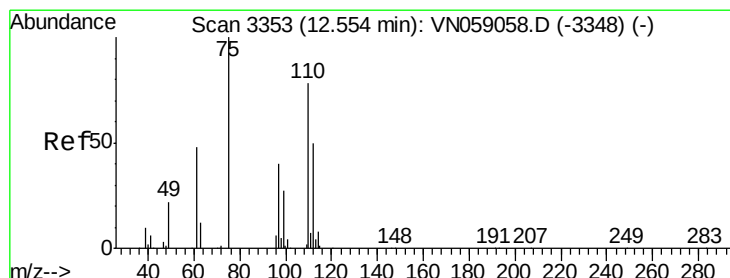
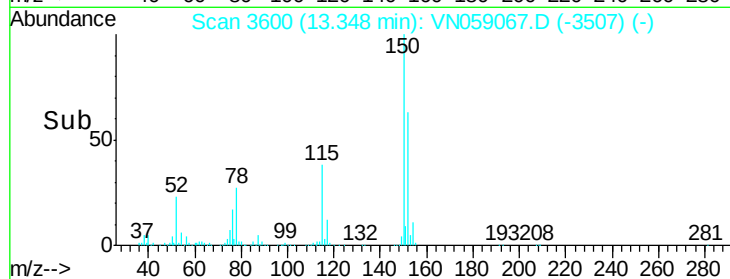
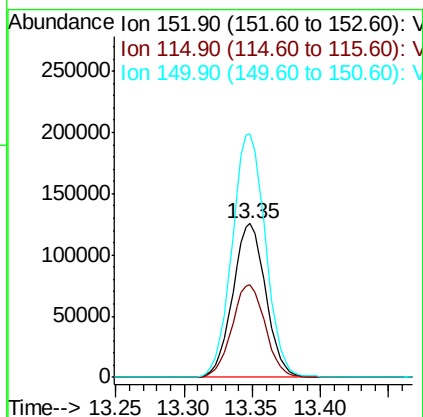
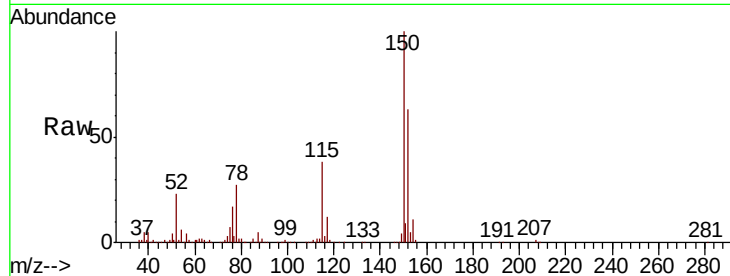




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN059067.D
 Acq: 1 Nov 2019 17:04

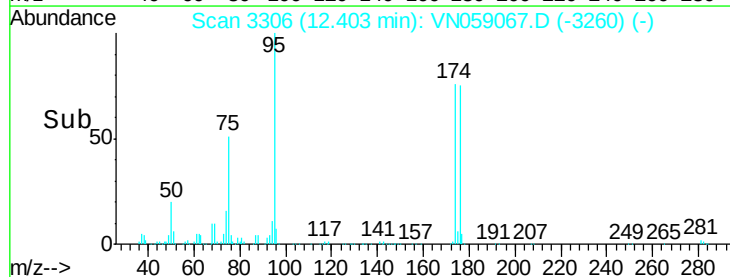
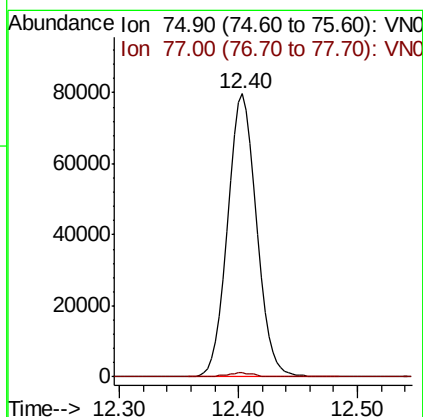
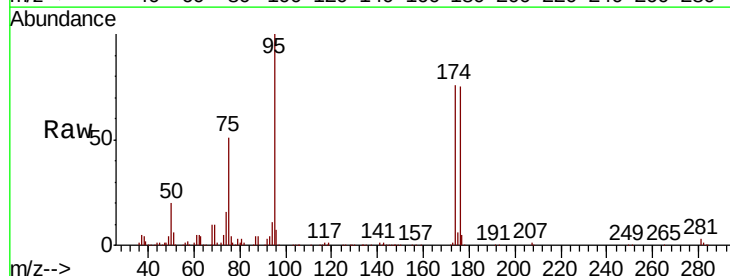
Instrument :
 MSVOA_N
 ClientSampleId :

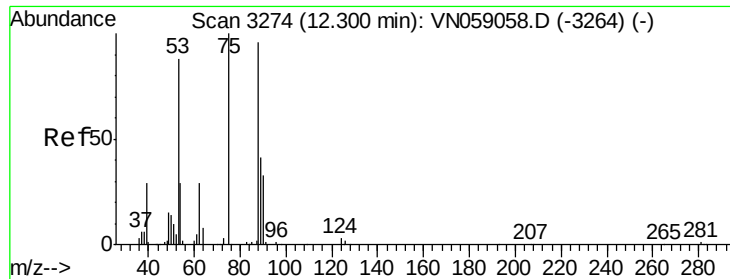
Tot Ion:152 Resp: 211270
 Ion Ratio Lower Upper
 152 100
 115 60.8 29.6 88.9
 150 160.5 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 26.911 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN059067.D
 Acq: 1 Nov 2019 17:04

Tgt Ion: 75 Resp: 134543
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.987 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

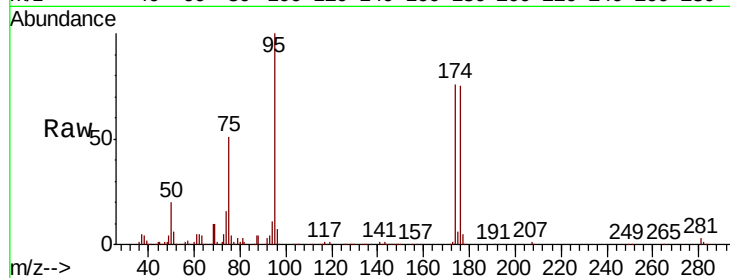
Tot Ion: 75 Resp: 134543

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

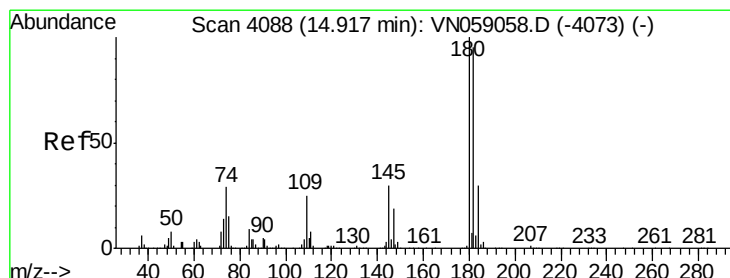
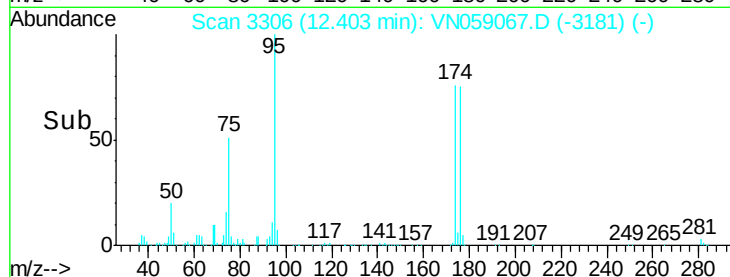
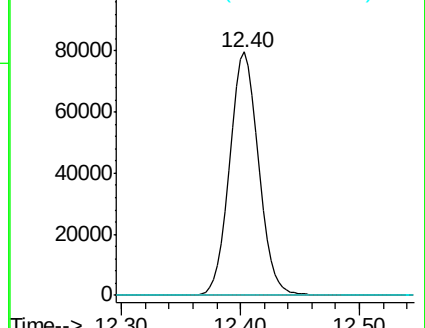
89 0.1 34.2 51.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059058.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059058.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059058.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.235 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

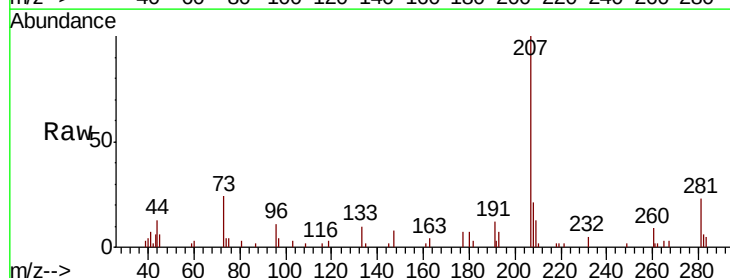
Tgt Ion: 180 Resp: 872

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.4#

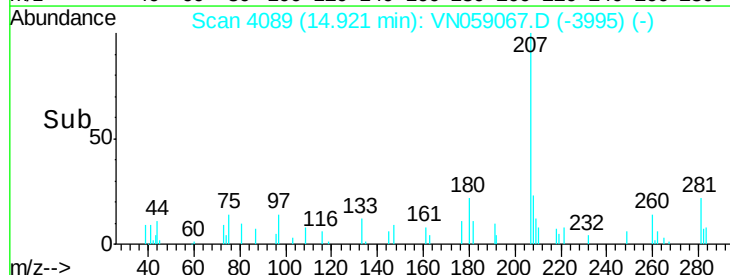
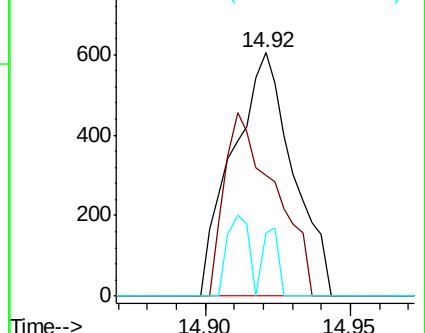
145 7.2 15.1 45.3#

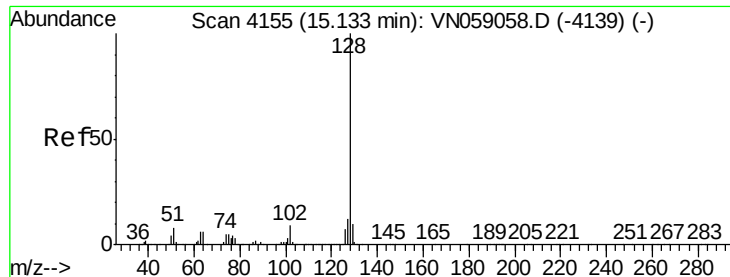


Abundance Ion 179.80 (179.50 to 180.50): VN059058.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN059058.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN059058.D (-4073) (-)





#95

Naphthalene

Concen: 3.575 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

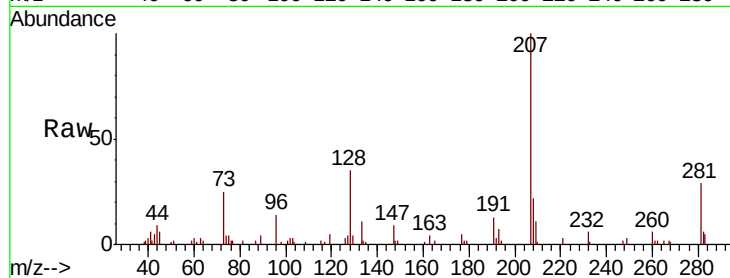
Tot Ion:128 Resp: 7232

Ion Ratio Lower Upper

128 100

127 4.3 9.9 14.9#

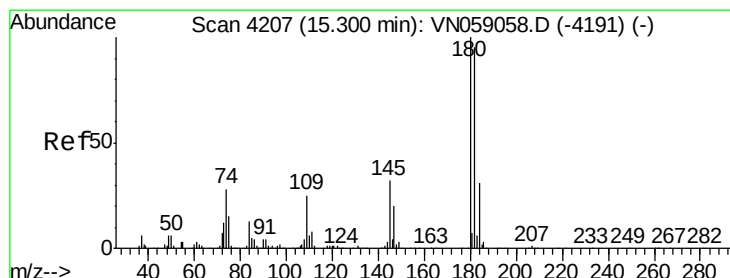
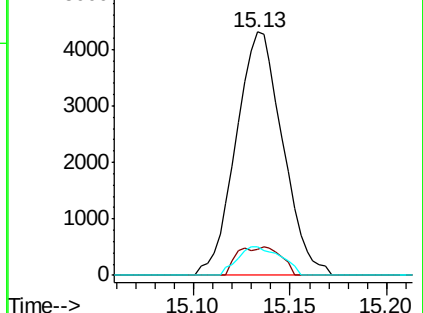
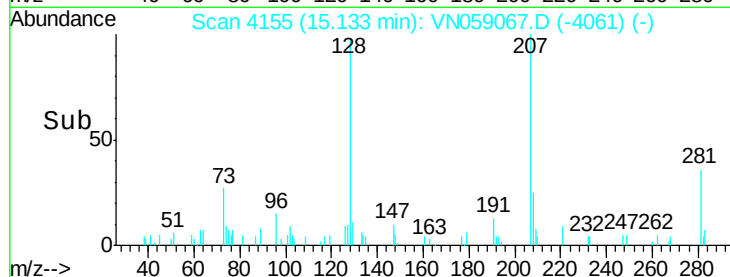
129 11.0 8.4 12.6



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: 0.209 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059067.D

Acq: 1 Nov 2019 17:04

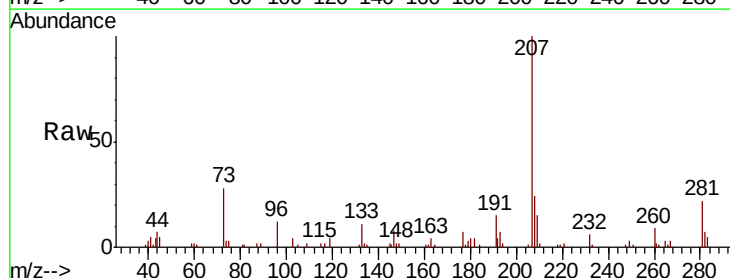
Tgt Ion:180 Resp: 787

Ion Ratio Lower Upper

180 100

182 109.4 47.7 143.1

145 55.7 16.0 48.0#



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

