

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056159.D
 Acq On : 10 Jun 2019 10:46
 Operator : JC/SP
 Sample : K3267-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-GMZ5-TB2

Quant Time: Jun 11 02:18:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	320426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	491570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	479506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155113	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	170181	53.49	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.59	113	154428	51.20	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.09	98	615307	53.02	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	201054	50.94	ug/l	0.00
Spiked Amount						

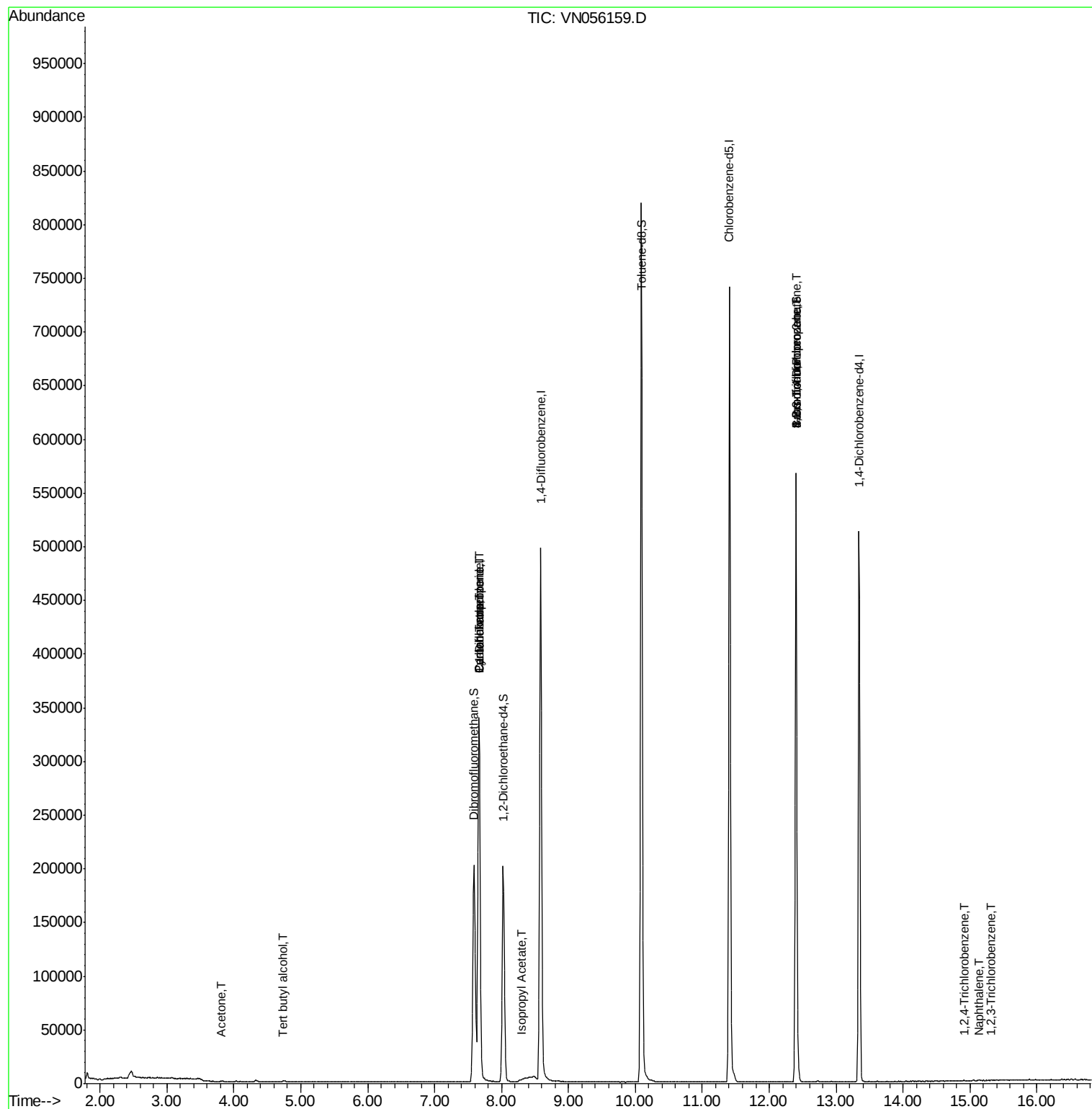
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	651	1.176	ug/l #	74
16) Acetone	3.82	43	705	0.463	ug/l #	41
18) Methyl Acetate	4.32	43	1198	Below Cal	#	90
31) Cyclohexane	7.66	56	4149	0.822	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18555	4.390	ug/l #	48
38) Carbon Tetrachloride	7.66	117	26329	6.756	ug/l #	16
43) Isopropyl Acetate	8.29	43	1918	0.315	ug/l #	53
71) Bromoform	12.40	173	1367	3.209	ug/l #	1
73) Isopropylbenzene	12.25	105	31	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	91958	32.219	ug/l #	100
79) 2-Chlorotoluene	12.59	91	94	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	91958	107.296	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	294	4.364	ug/l #	65
95) Naphthalene	15.13	128	648	3.932	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.33	180	327	3.137	ug/l #	66

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

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Quant Time: Jun 11 02:18:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

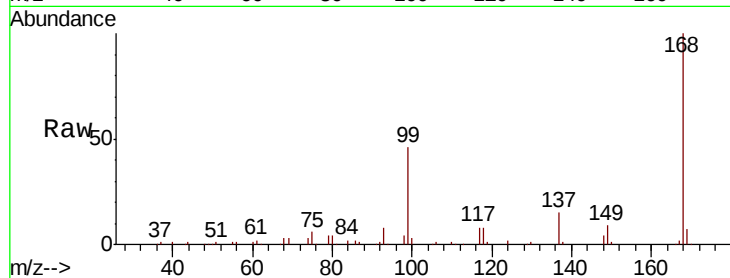
SP19-GMZ5-TB2

Tot Ion:168 Resp: 320426

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

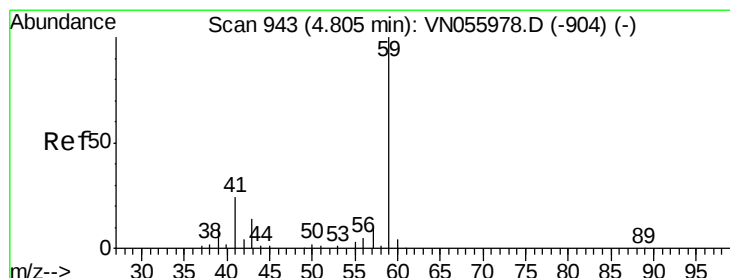
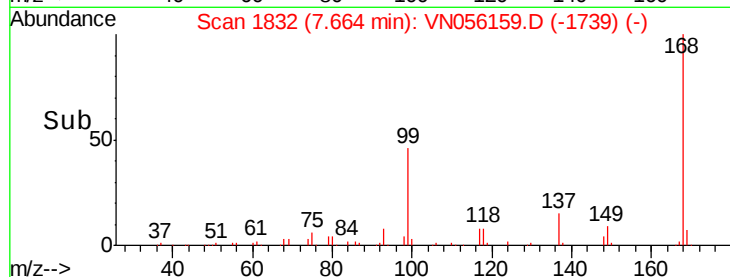
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.176 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056159.D

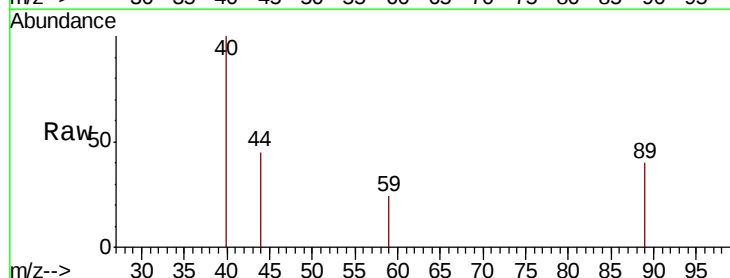
Acq: 10 Jun 2019 10:46

Tgt Ion: 59 Resp: 651

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.74

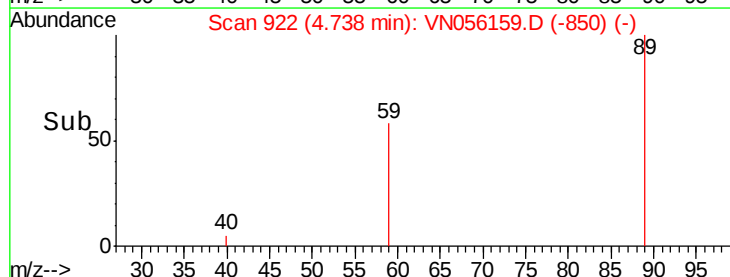
300

200

100

0

Time-->





#16

Acetone

Concen: 0.463 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

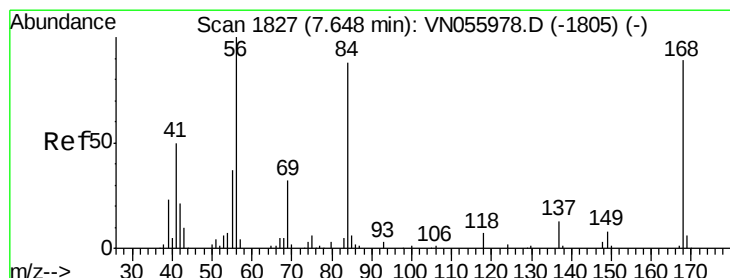
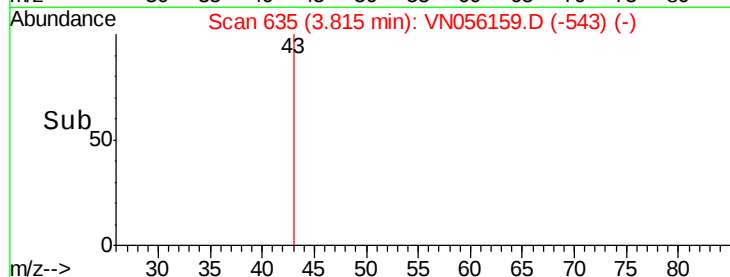
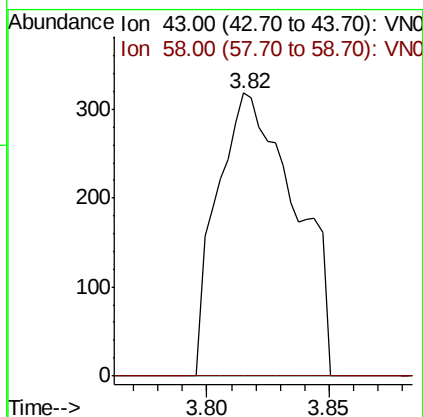
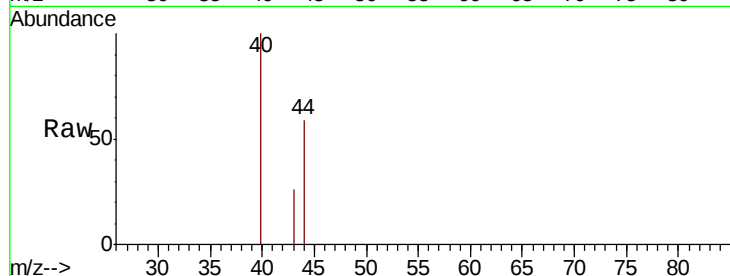
SP19-GMZ5-TB2

Tot Ion: 43 Resp: 705

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#31

Cyclohexane

Concen: 0.822 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

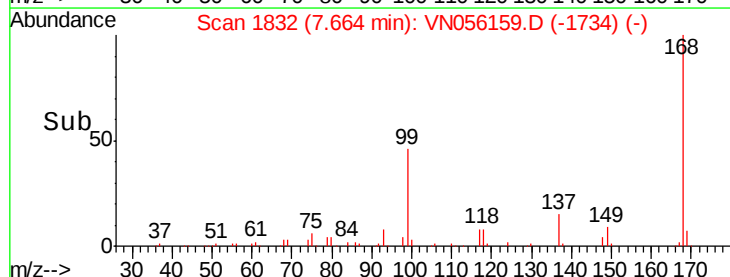
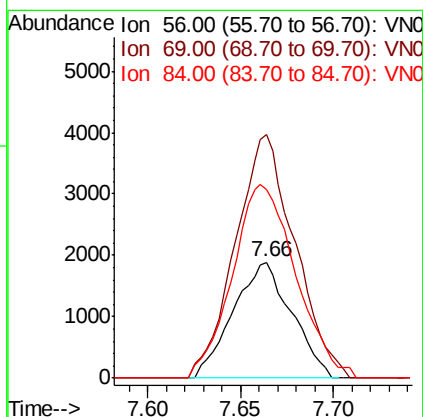
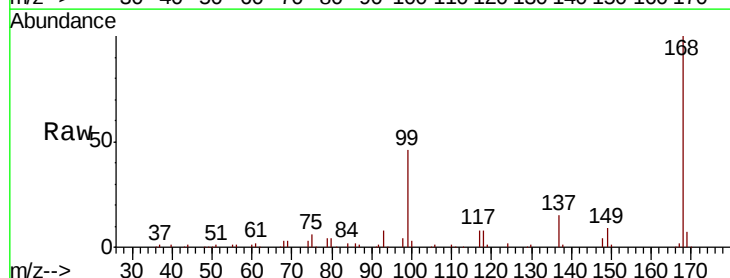
Tgt Ion: 56 Resp: 4149

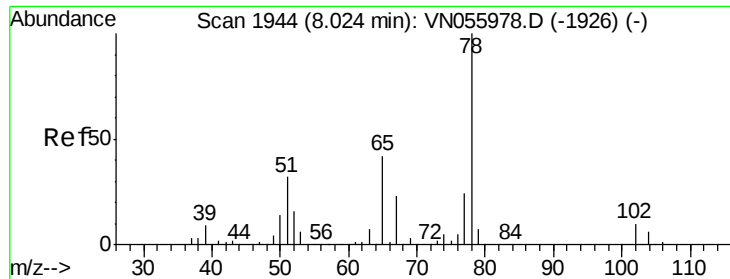
Ion Ratio Lower Upper

56 100

69 209.7 25.6 38.4#

84 162.4 67.4 101.0#

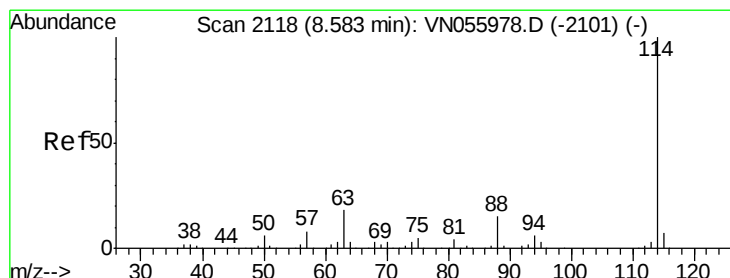
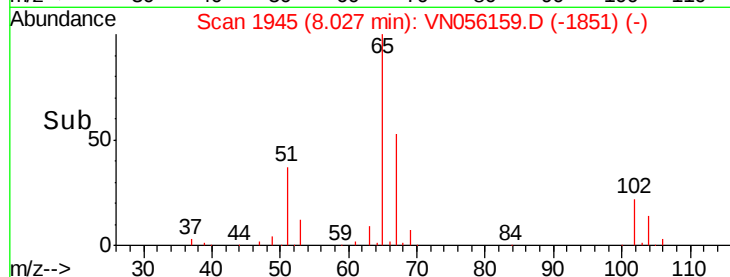
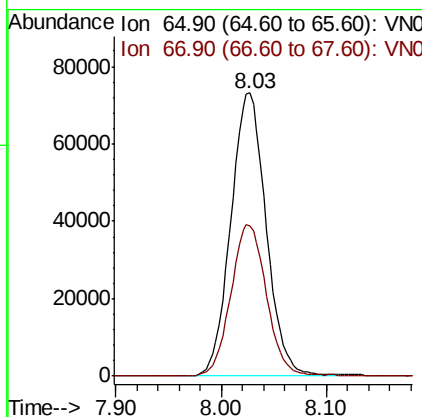
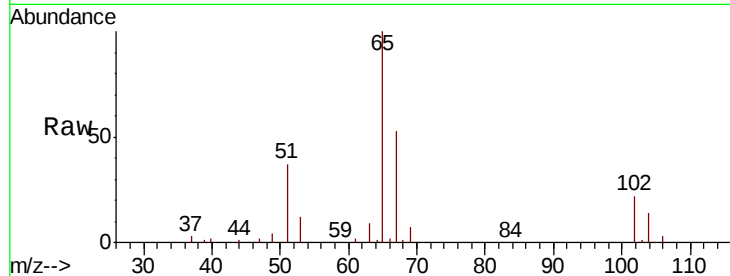




#33
 1,2-Dichloroethane-d4
 Concen: 53.490 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056159.D
 Acq: 10 Jun 2019 10:46

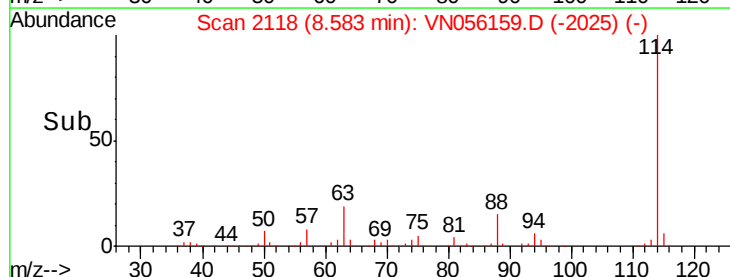
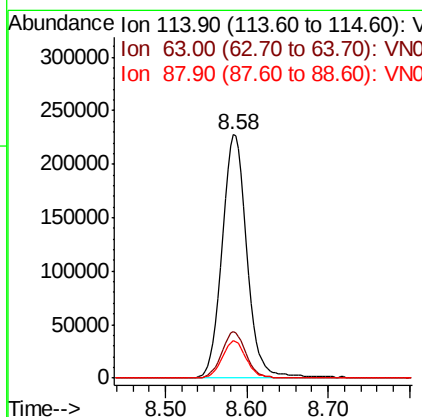
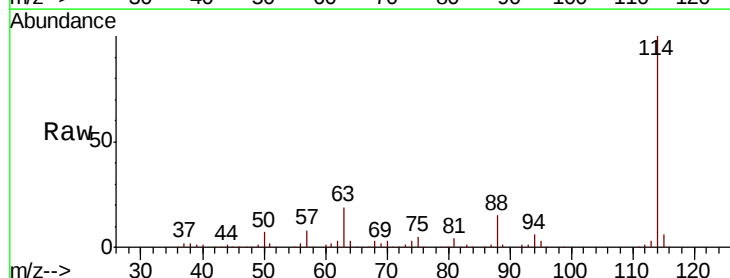
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-GMZ5-TB2

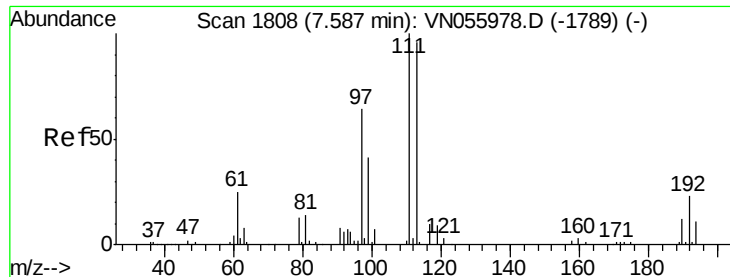
Tot Ion: 65 Resp: 170181
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056159.D
 Acq: 10 Jun 2019 10:46

Tgt Ion: 114 Resp: 491570
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.3 0.0 31.0

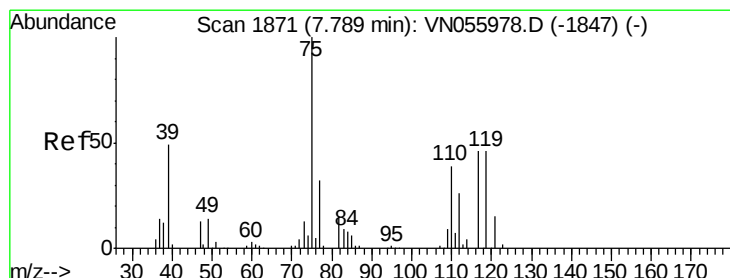
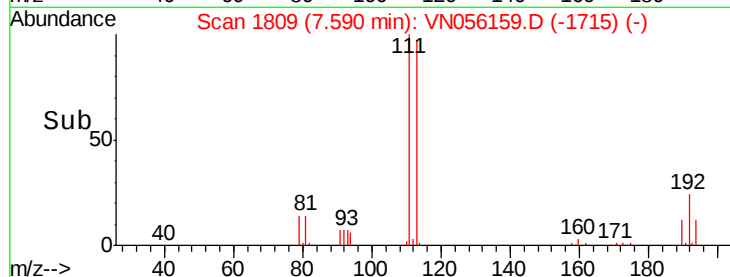
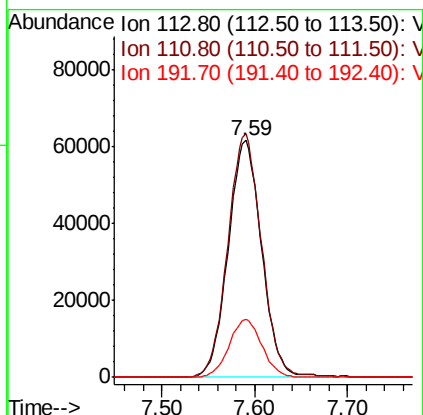
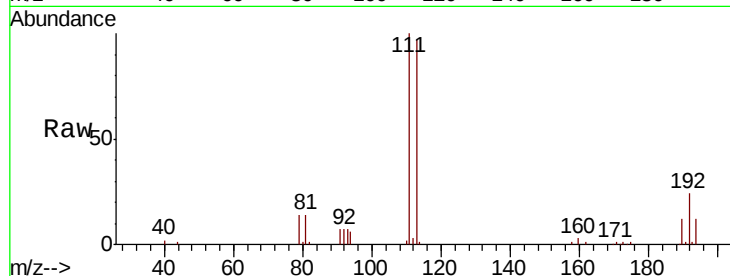




#35
 Dibromofluoromethane
 Concen: 51.204 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056159.D
 Acq: 10 Jun 2019 10:46

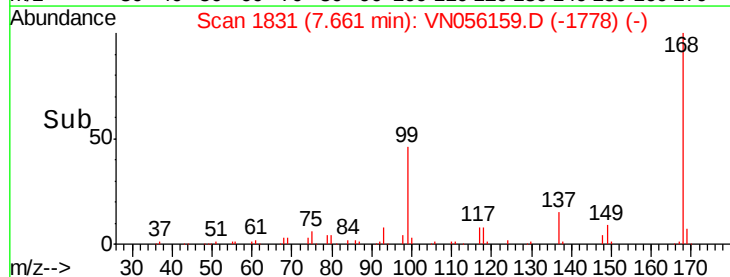
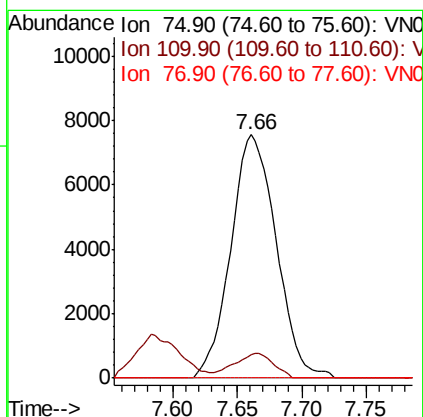
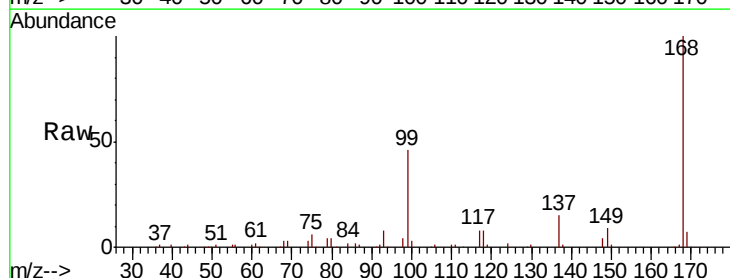
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-GMZ5-TB2

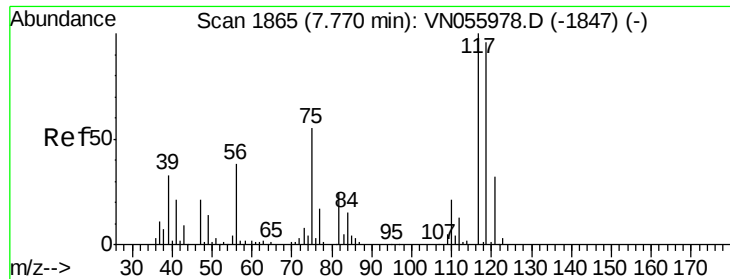
Tot Ion:113 Resp: 154428
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 23.9 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.390 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056159.D
 Acq: 10 Jun 2019 10:46

Tgt Ion: 75 Resp: 18555
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.0 57.0#
 77 0.0 25.1 37.7#

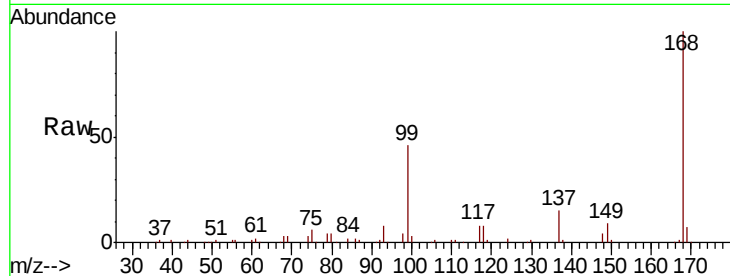




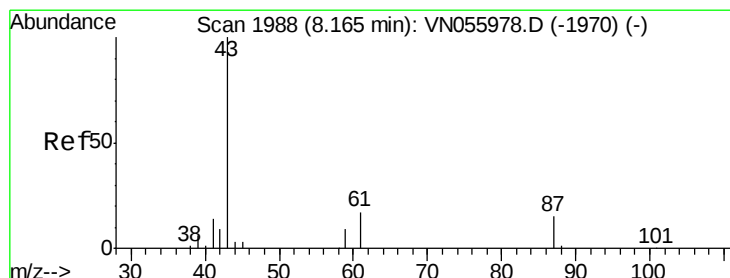
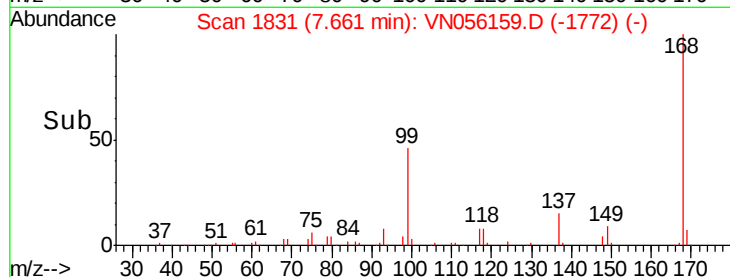
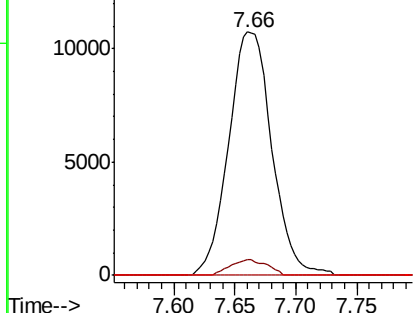
#38
Carbon Tetrachloride
Concen: 6.756 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN056159.D
Acq: 10 Jun 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
SP19-GMZ5-TB2

Tot Ion:117 Resp: 26329
Ion Ratio Lower Upper
117 100
119 6.5 79.0 118.6#
121 0.0 24.7 37.1#

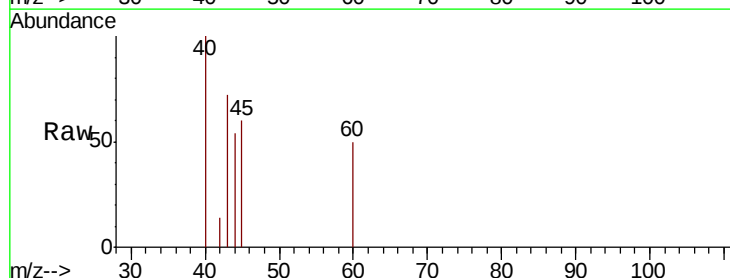


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

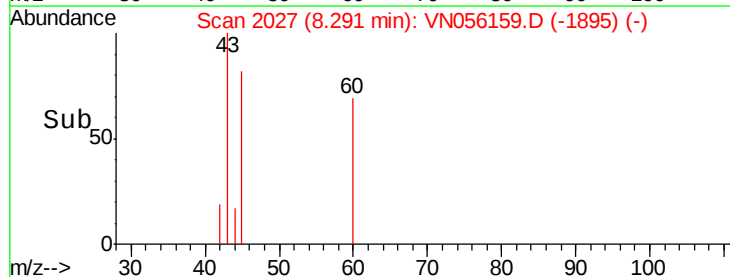
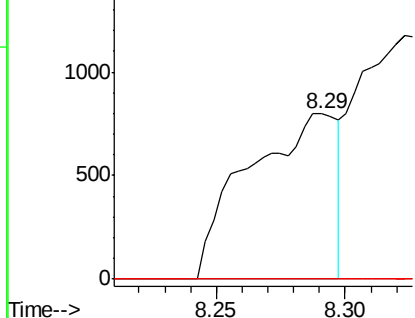


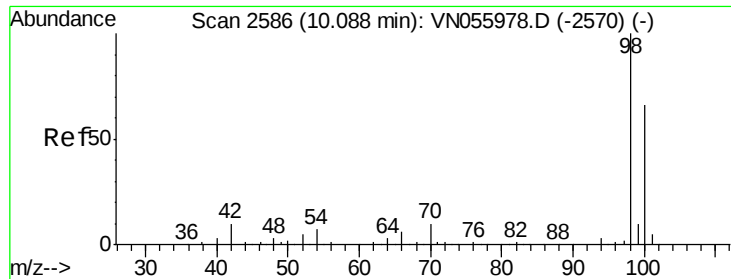
#43
Isopropyl Acetate
Concen: 0.315 ug/l
RT: 8.29 min Scan# 2027
Delta R.T. 0.13 min
Lab File: VN056159.D
Acq: 10 Jun 2019 10:46

Tgt Ion: 43 Resp: 1918
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 53.019 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

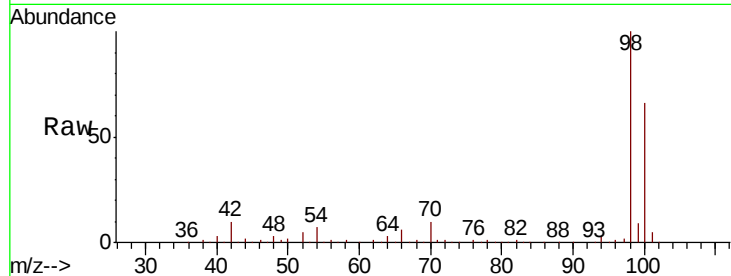
SP19-GMZ5-TB2

Tot Ion: 98 Resp: 615307

Ion Ratio Lower Upper

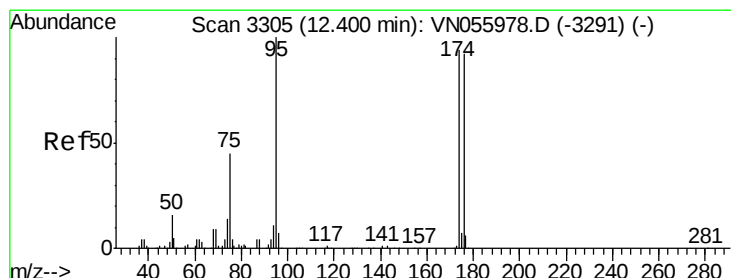
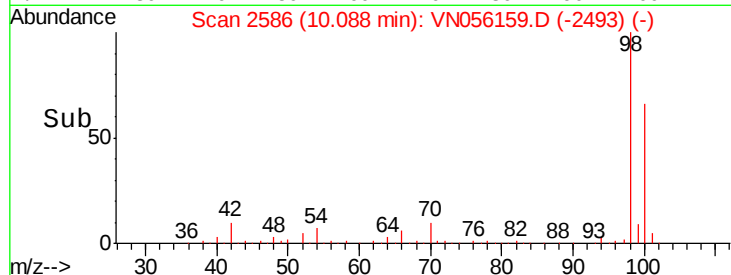
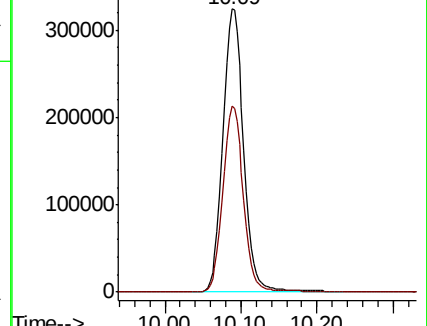
98 100

100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 50.942 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

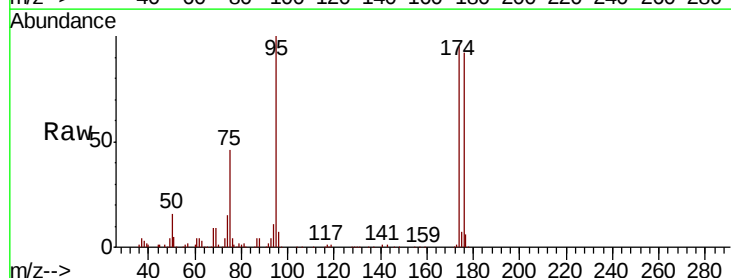
Tgt Ion: 95 Resp: 201054

Ion Ratio Lower Upper

95 100

174 95.7 0.0 191.0

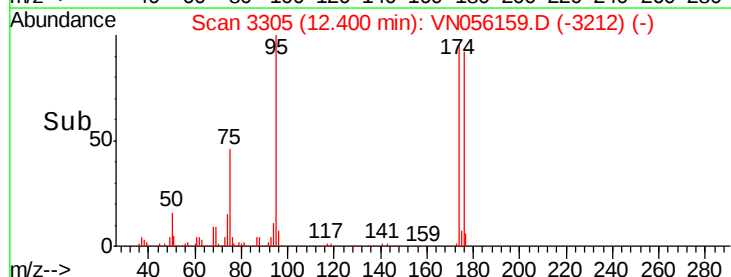
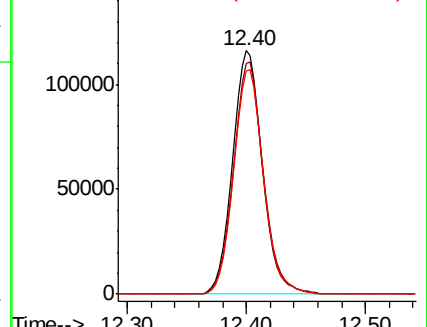
176 92.6 0.0 185.2

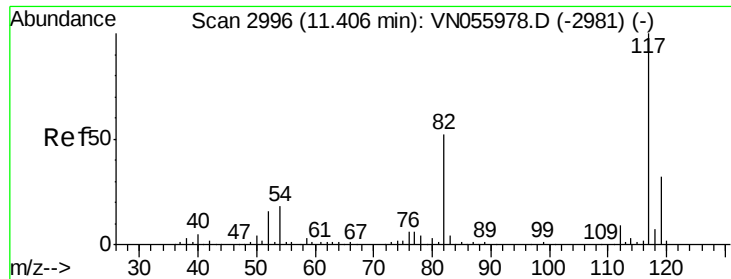


Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

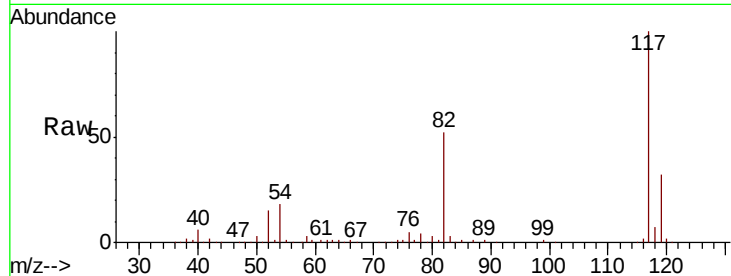




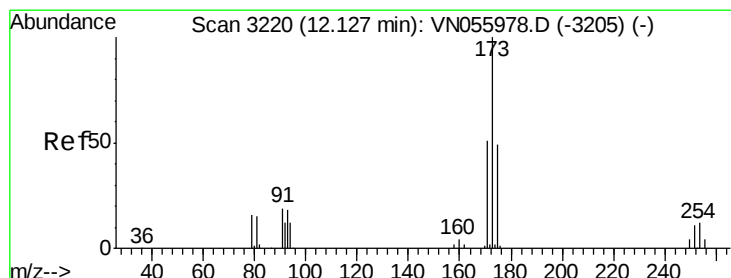
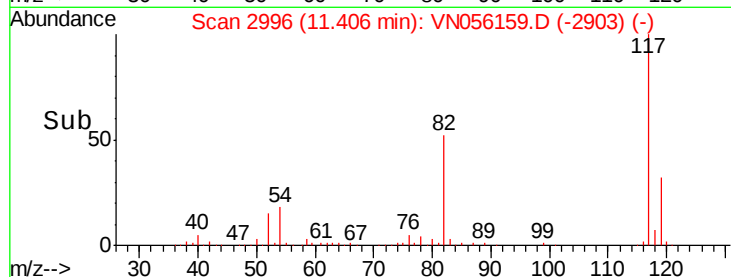
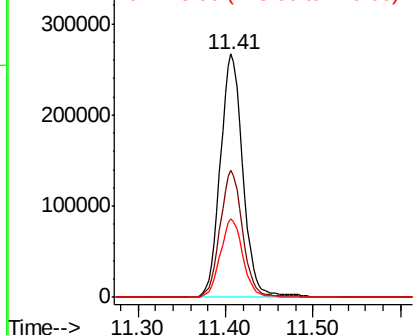
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056159.D
Acq: 10 Jun 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
SP19-GMZ5-TB2

Tot Ion:117 Resp: 479506
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.1 25.4 38.0

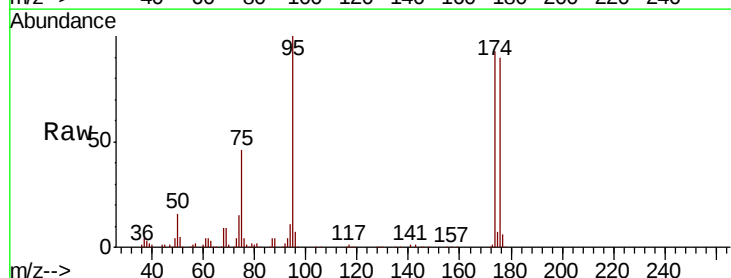


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

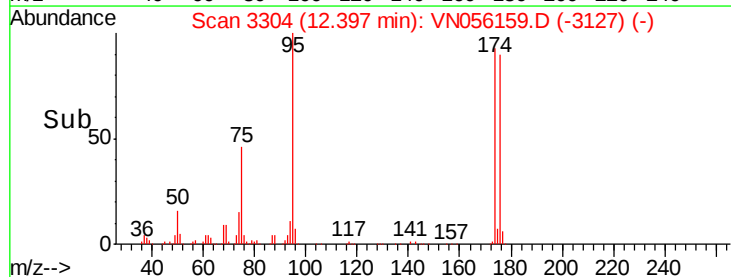
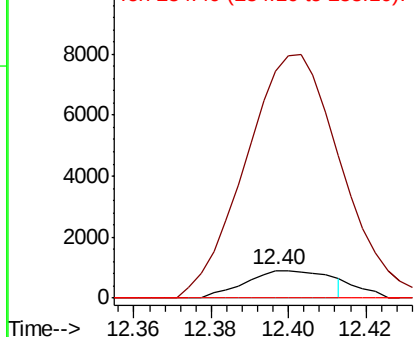


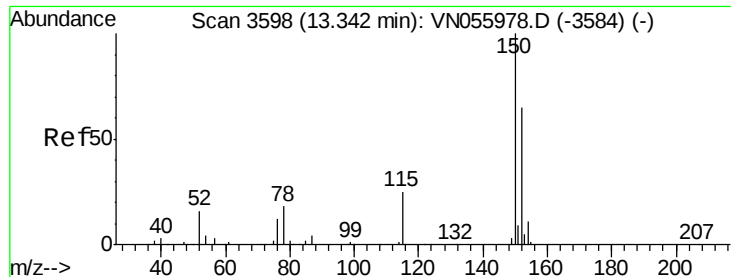
#71
Bromoform
Concen: 3.209 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056159.D
Acq: 10 Jun 2019 10:46

Tgt Ion:173 Resp: 1367
Ion Ratio Lower Upper
173 100
175 874.3 24.3 72.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

SP19-GMZ5-TB2

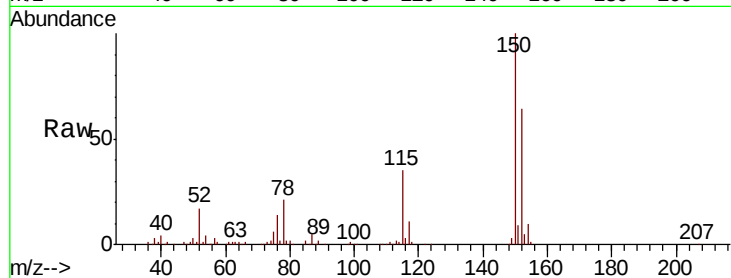
Tot Ion:152 Resp: 155113

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

150 156.5 0.0 343.2

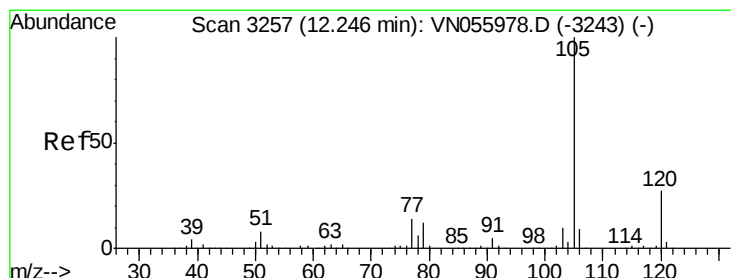
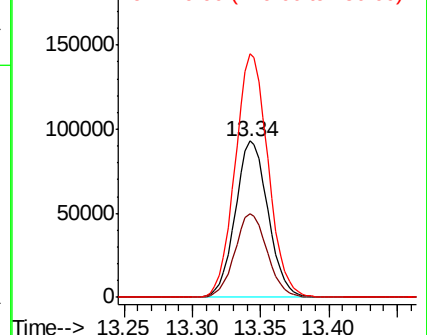
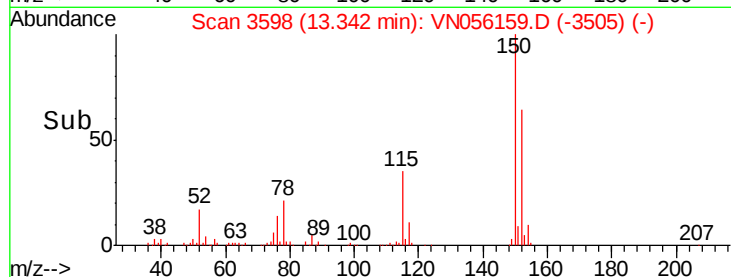


Abundance

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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056159.D

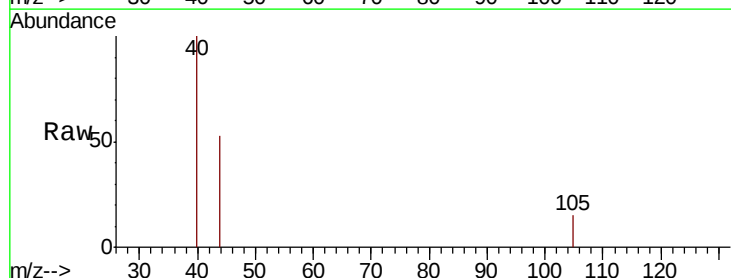
Acq: 10 Jun 2019 10:46

Tgt Ion:105 Resp: 31

Ion Ratio Lower Upper

105 100

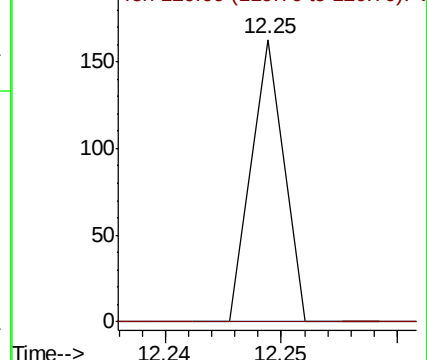
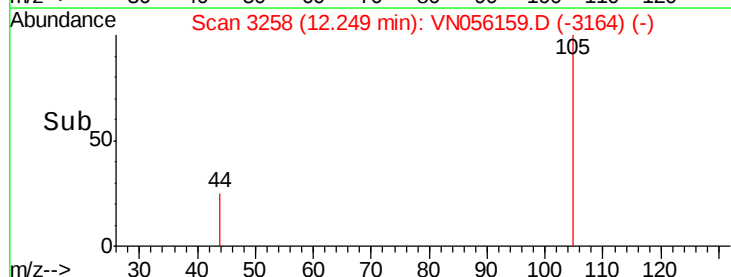
120 0.0 13.6 40.7#

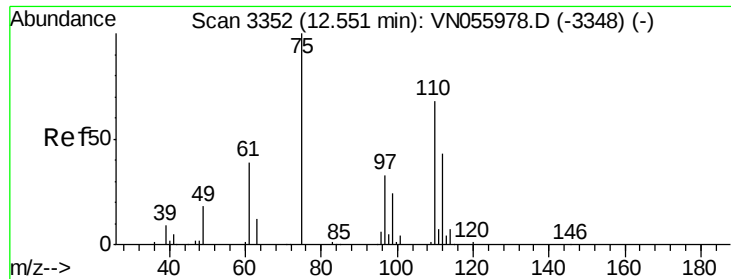


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

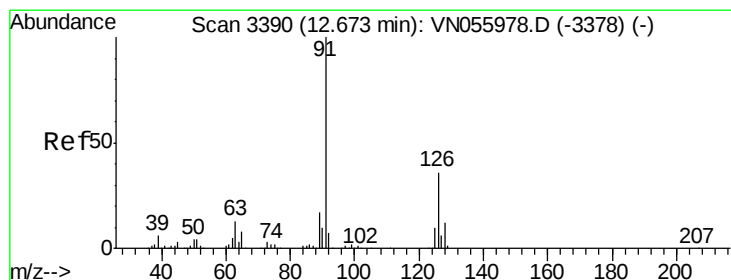
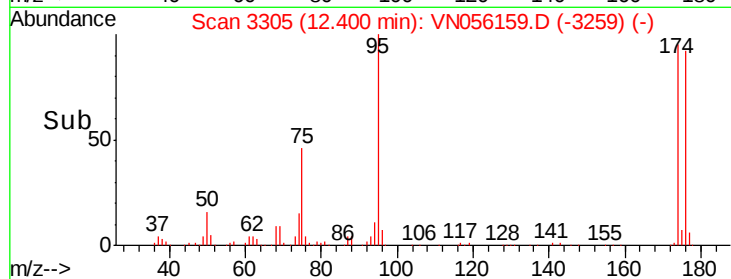
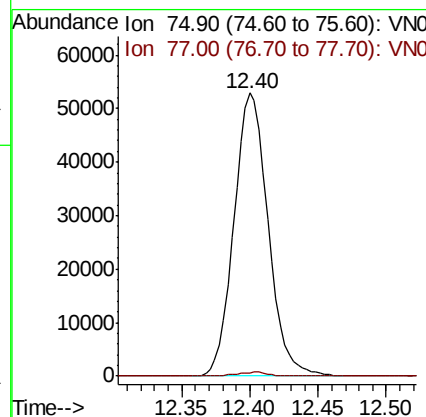
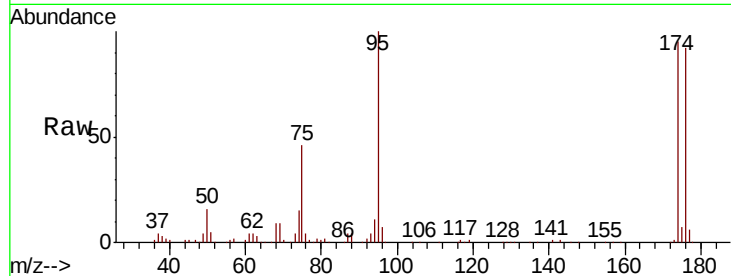




#76
 1,2,3-Trichloropropane
 Concen: 32.219 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056159.D
 Acq: 10 Jun 2019 10:46

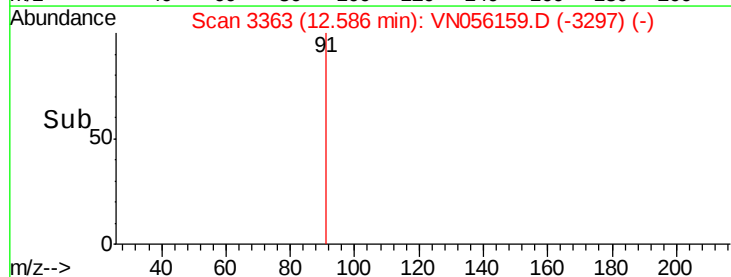
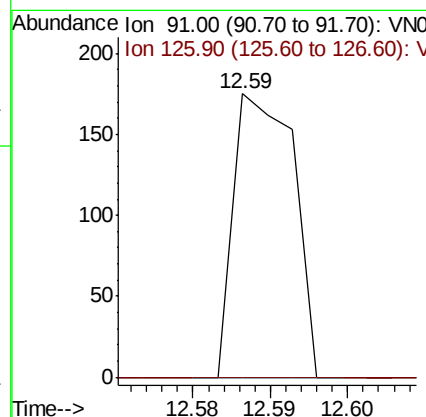
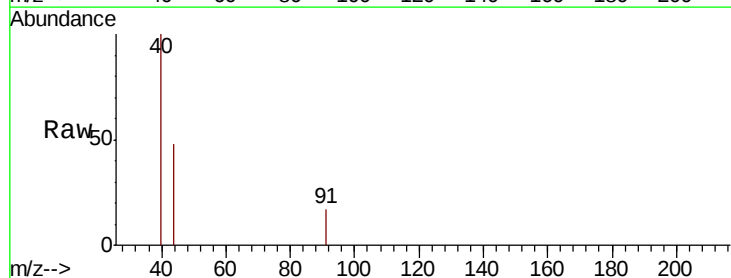
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-GMZ5-TB2

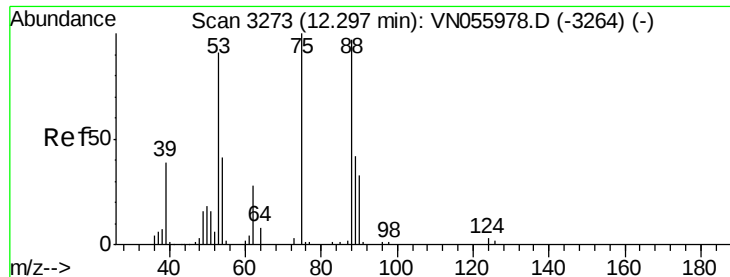
Tot Ion: 75 Resp: 91958
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.59 min Scan# 3363
 Delta R.T. -0.09 min
 Lab File: VN056159.D
 Acq: 10 Jun 2019 10:46

Tgt Ion: 91 Resp: 94
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.296 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

SP19-GMZ5-TB2

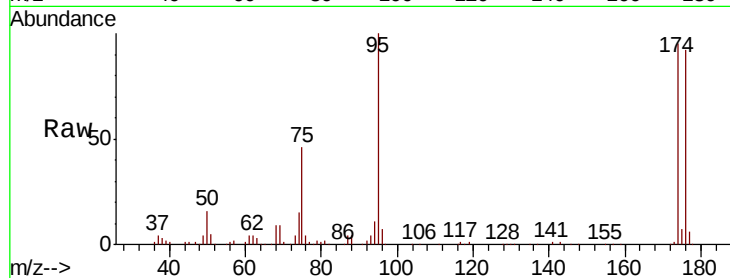
Tot Ion: 75 Resp: 91958

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

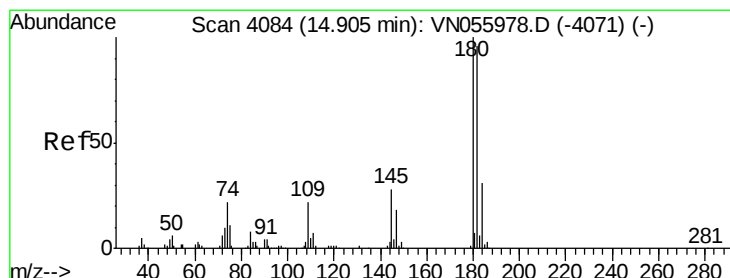
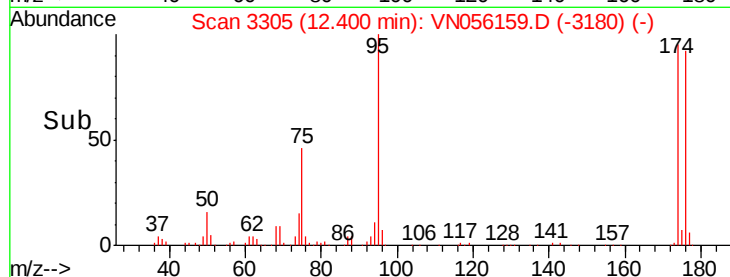
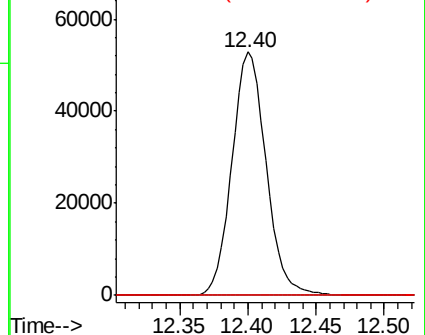
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.364 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

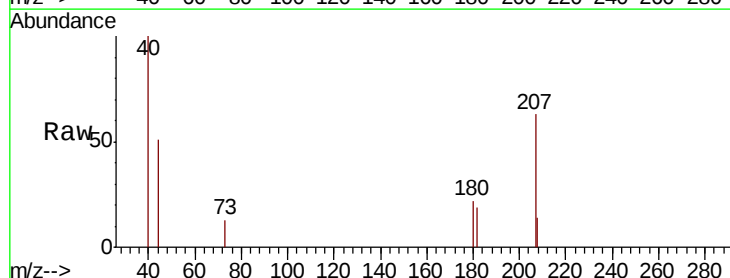
Tgt Ion: 180 Resp: 294

Ion Ratio Lower Upper

180 100

182 125.5 48.3 144.9

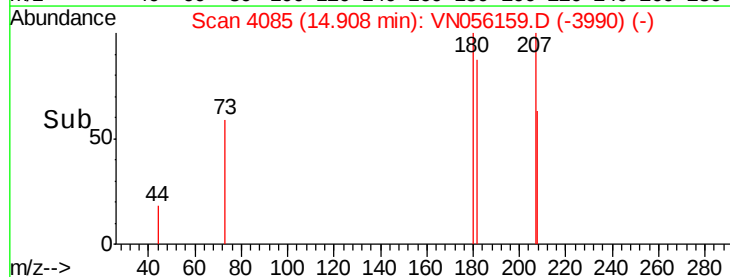
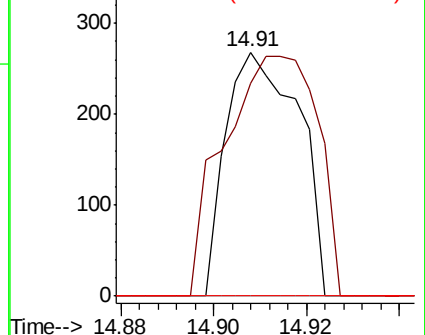
145 0.0 14.0 41.9#

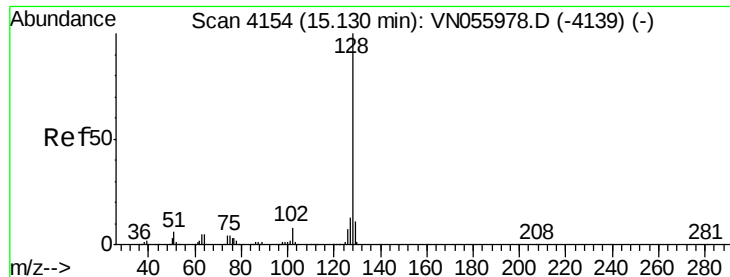


Abundance Ion 179.80 (179.50 to 180.50): VN055978.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055978.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055978.D (-4071) (-)





#95

Naphthalene

Concen: 3.932 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

SP19-GMZ5-TB2

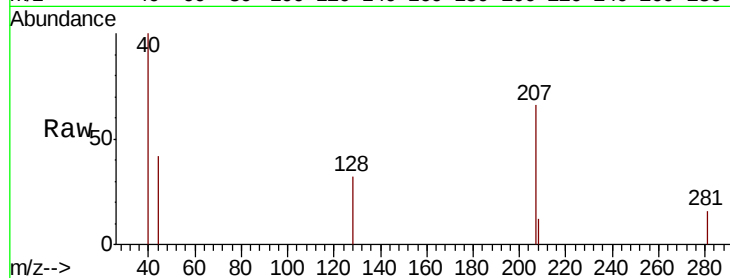
Tot Ion:128 Resp: 648

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

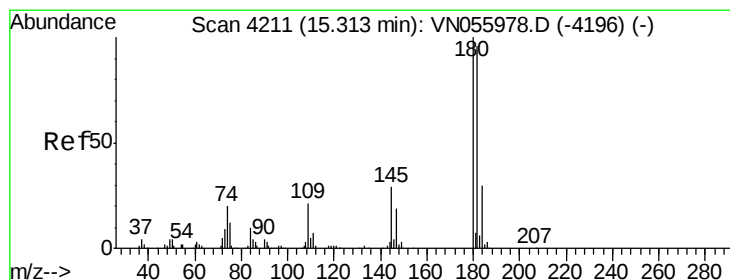
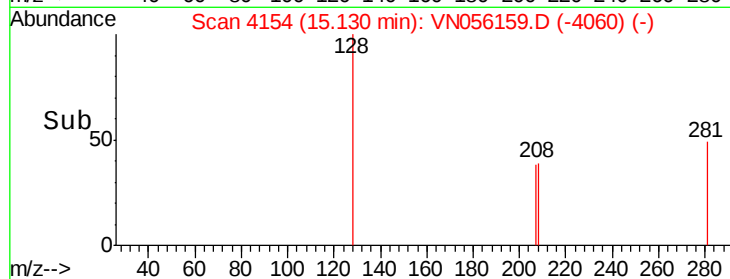
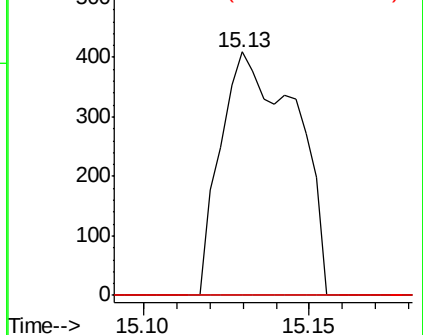
129 0.0 8.7 13.1#



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: 3.137 ug/l

RT: 15.33 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN056159.D

Acq: 10 Jun 2019 10:46

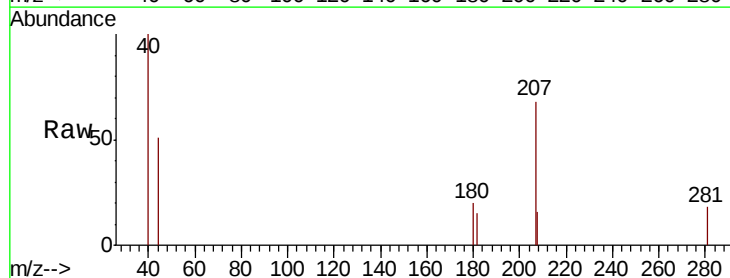
Tgt Ion:180 Resp: 327

Ion Ratio Lower Upper

180 100

182 122.6 47.9 143.7

145 0.0 14.9 44.7#



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

