

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059187.D
 Acq On : 12 Nov 2019 14:01
 Operator : JC/SP
 Sample : K5777-06ME
 Misc : 5.41g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:39:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	402937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	628632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	553414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	219460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	264087	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
35) Dibromofluoromethane	7.57	113	197551	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	10.08	98	767846	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	246868	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	

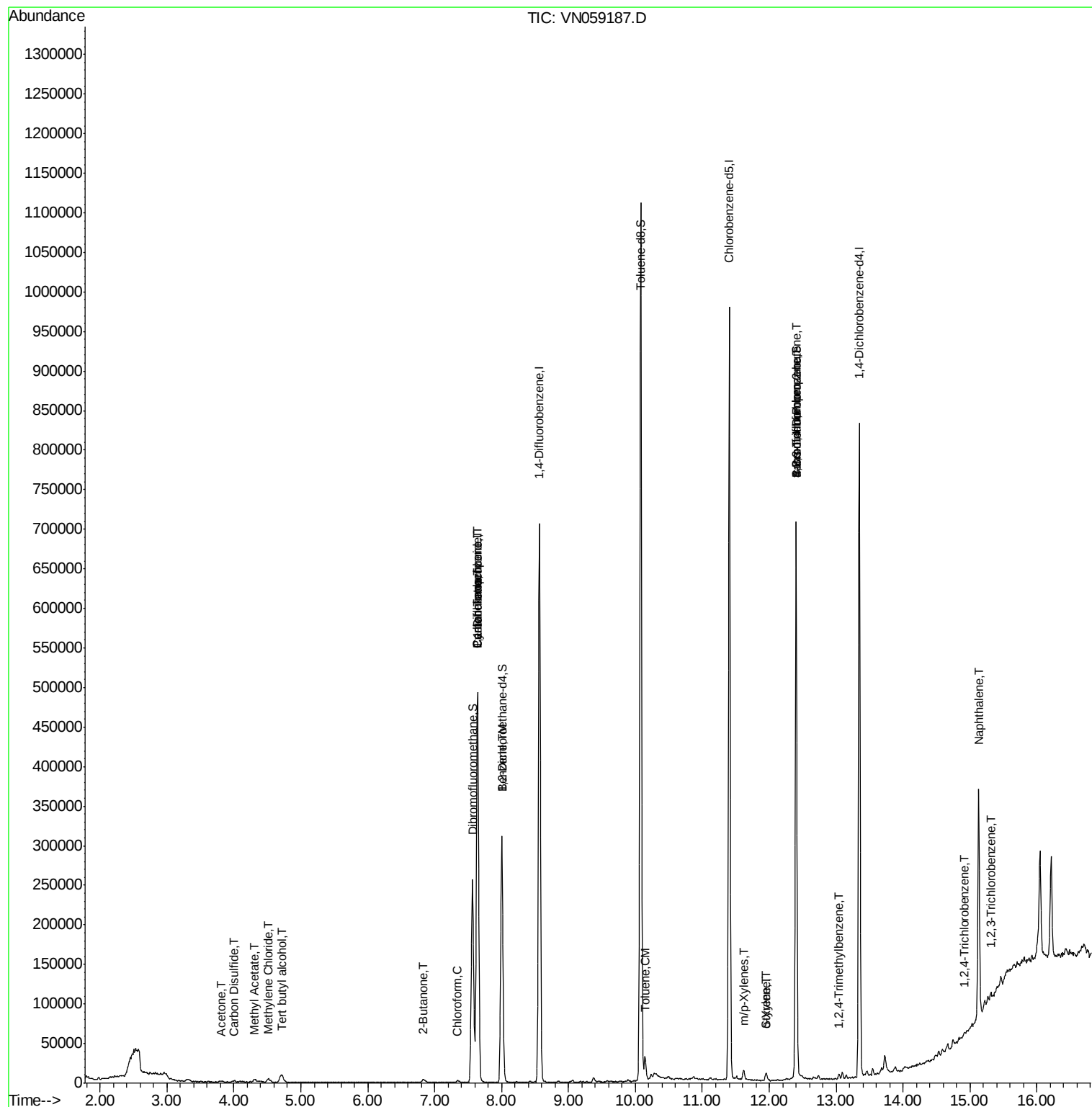
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	10313	10.925	ug/l #	72
16) Acetone	3.81	43	919	0.357	ug/l #	66
17) Carbon Disulfide	4.01	76	4107	0.352	ug/l #	85
18) Methyl Acetate	4.31	43	6846	1.120	ug/l #	76
20) Methylene Chloride	4.51	84	3407	0.759	ug/l	94
25) 2-Butanone	6.83	43	3821	1.126	ug/l	100
30) Chloroform	7.35	83	3138	0.402	ug/l	97
31) Cyclohexane	7.64	56	8280	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31433	5.349	ug/l #	51
38) Carbon Tetrachloride	7.64	117	38933	6.657	ug/l #	18
40) Benzene	8.01	78	11269	0.637	ug/l	97
52) Toluene	10.15	92	10514	0.991	ug/l	100
68) m/p-Xylenes	11.62	106	4179	0.583	ug/l	97
69) o-Xylene	11.95	106	1714	0.247	ug/l	97
70) Styrene	11.96	104	3005	0.276	ug/l	92
71) Bromoform	12.40	173	1353	0.430	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	123493	24.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	123493	65.283	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	4383	0.335	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	1138	3.307	ug/l #	80
95) Naphthalene	15.13	128	234600	22.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	1644	0.434	ug/l #	78

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111219\
Data File : VN059187.D
Acq On : 12 Nov 2019 14:01
Operator : JC/SP
Sample : K5777-06ME
Misc : 5.41g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 13 05:39:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

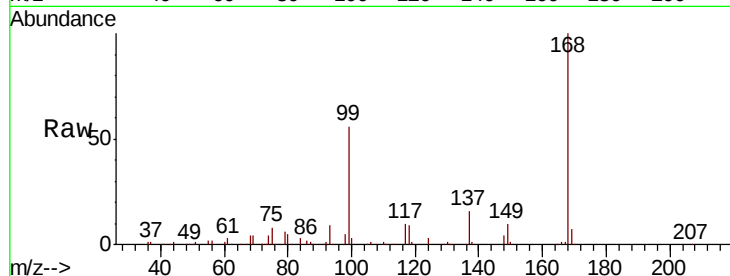
ClientSampleId :

Tot Ion:168 Resp: 402937

Ion Ratio Lower Upper

168 100

99 56.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

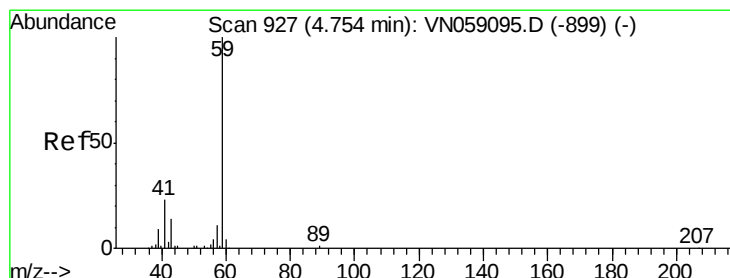
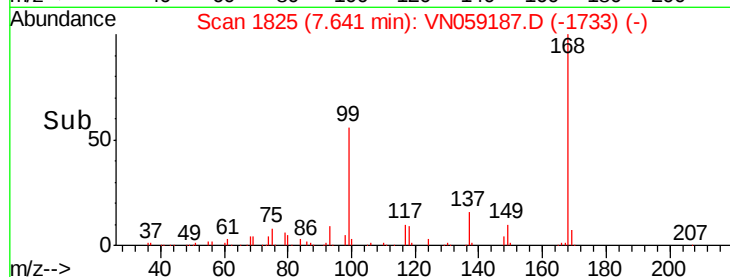
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 10.925 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.05 min

Lab File: VN059187.D

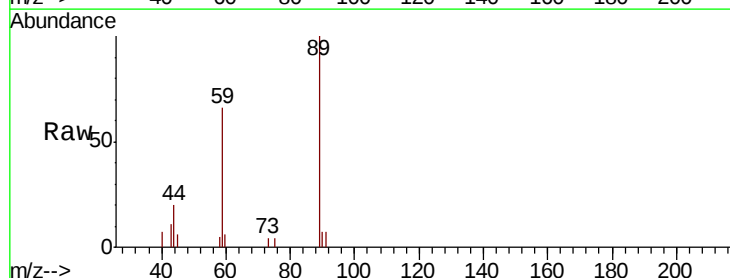
Acq: 12 Nov 2019 14:01

Tgt Ion: 59 Resp: 10313

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.71

3000

2500

2000

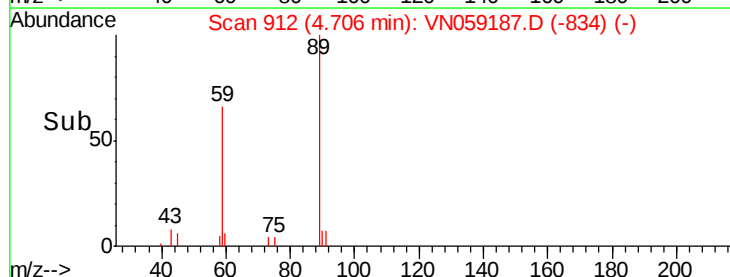
1500

1000

500

0

Time--> 4.60 4.65 4.70 4.75 4.80





#16

Acetone

Concen: 0.357 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

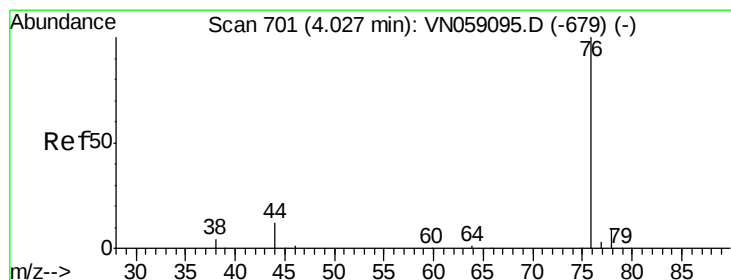
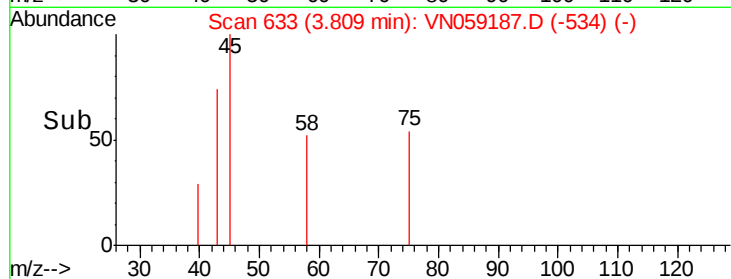
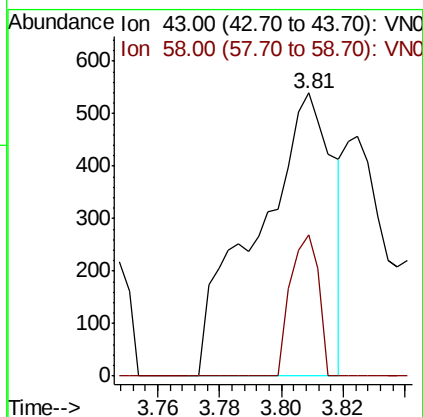
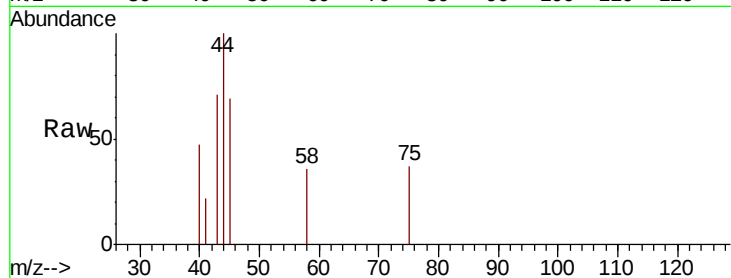
ClientSampleId :

Tot Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

58 49.9 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.352 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.02 min

Lab File: VN059187.D

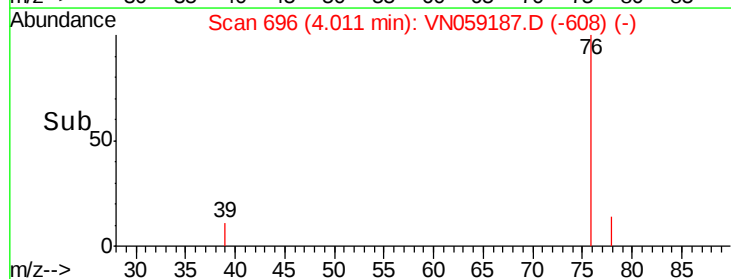
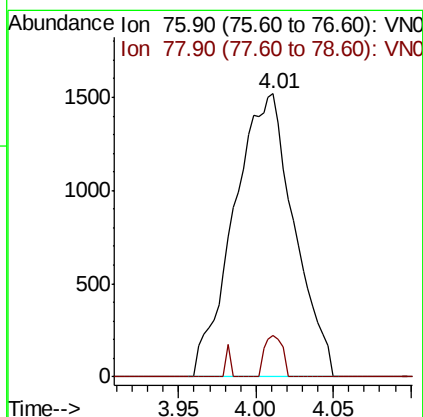
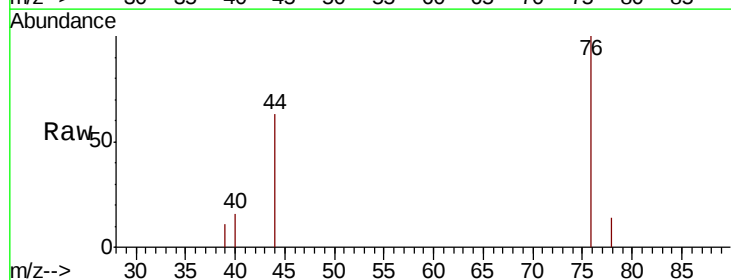
Acq: 12 Nov 2019 14:01

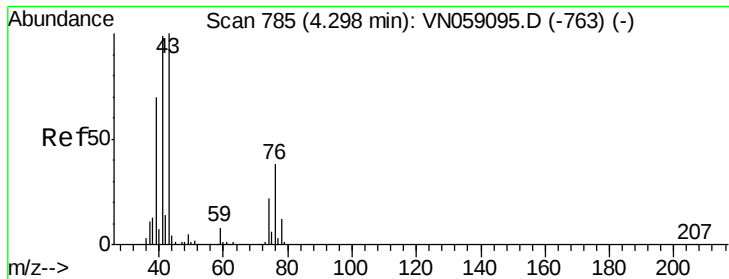
Tgt Ion: 76 Resp: 4107

Ion Ratio Lower Upper

76 100

78 14.5 7.4 11.0#

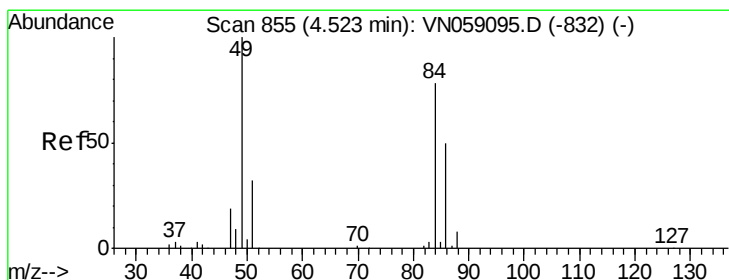
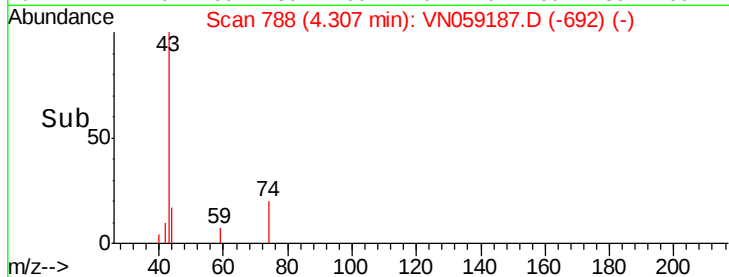
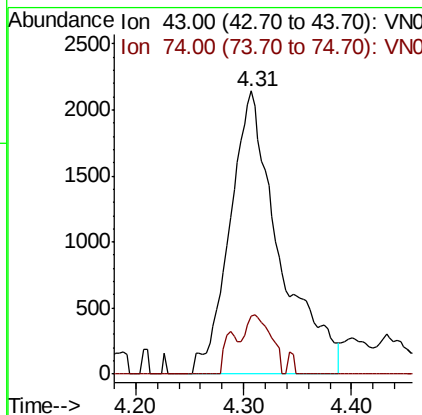
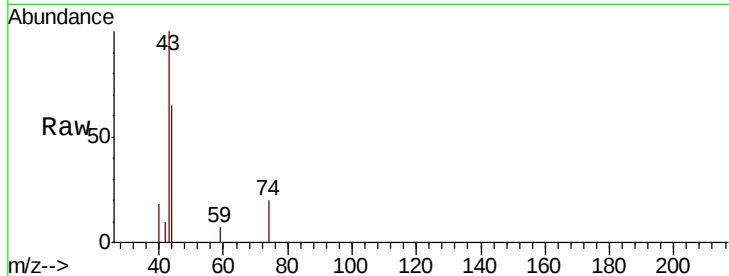




#18
Methyl Acetate
Concen: 1.120 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN059187.D
Acq: 12 Nov 2019 14:01

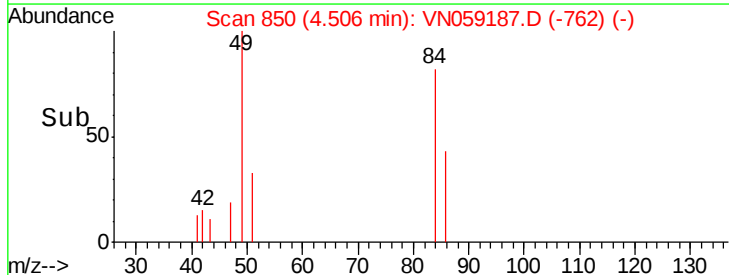
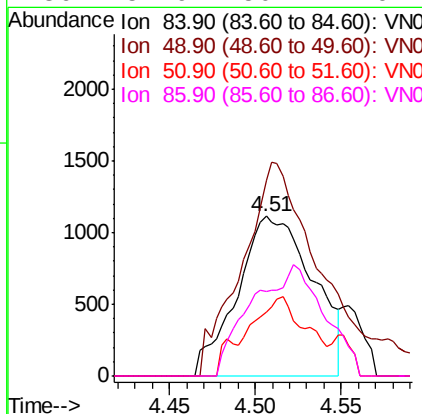
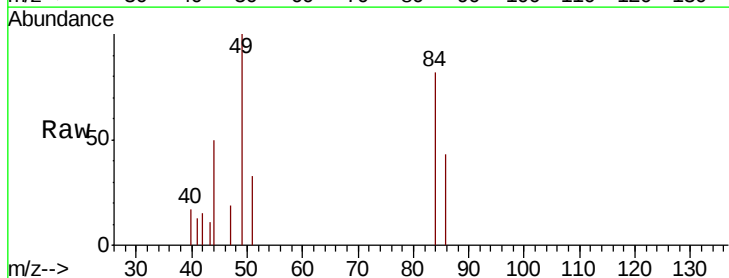
Instrument :
MSVOA_N
ClientSampled :

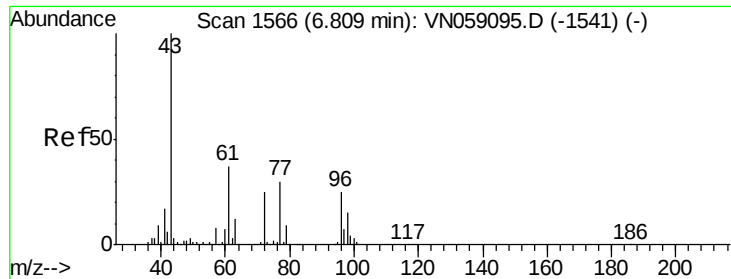
Tot Ion: 43 Resp: 6846
Ion Ratio Lower Upper
43 100
74 10.6 17.8 26.8#



#20
Methylene Chloride
Concen: 0.759 ug/l
RT: 4.51 min Scan# 850
Delta R.T. -0.02 min
Lab File: VN059187.D
Acq: 12 Nov 2019 14:01

Tgt Ion: 84 Resp: 3407
Ion Ratio Lower Upper
84 100
49 122.5 102.0 153.0
51 40.0 32.2 48.2
86 52.9 50.7 76.1





#25

2-Butanone

Concen: 1.126 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

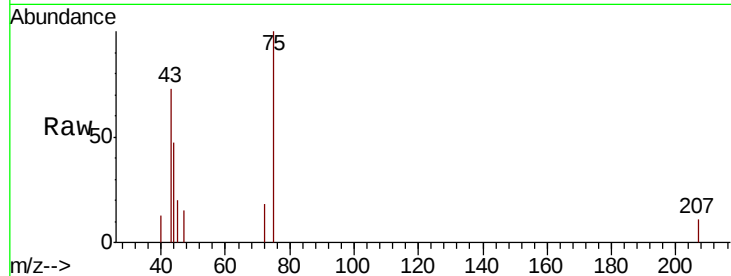
ClientSampled :

Tot Ion: 43 Resp: 3821

Ion Ratio Lower Upper

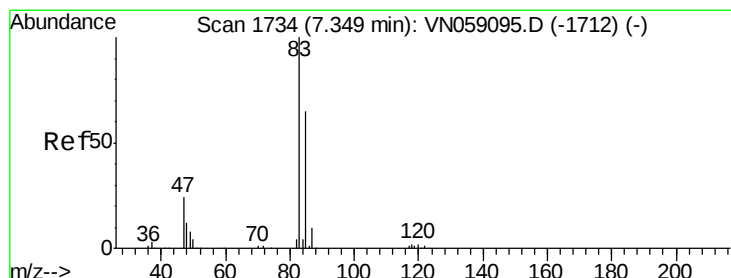
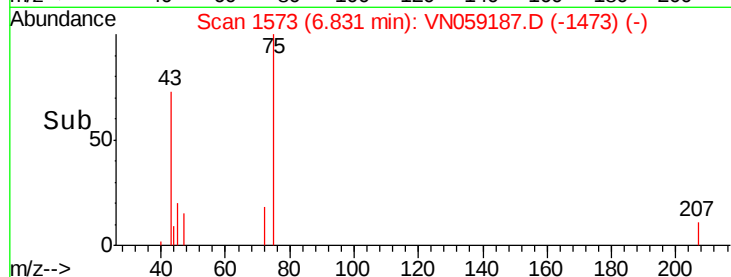
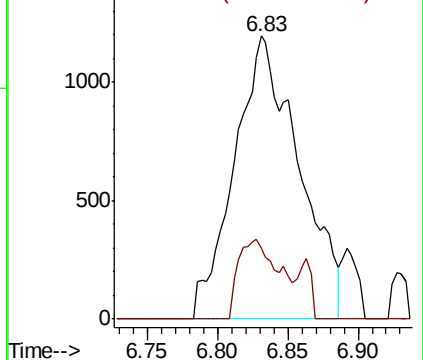
43 100

72 25.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#30

Chloroform

Concen: 0.402 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059187.D

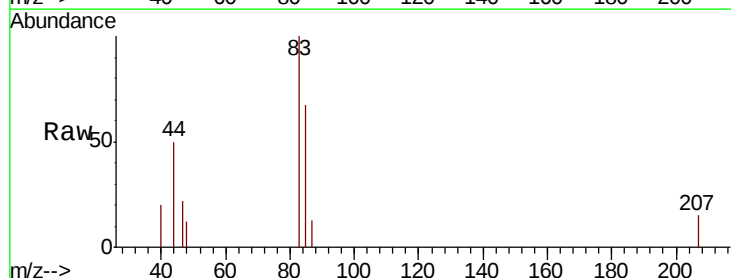
Acq: 12 Nov 2019 14:01

Tgt Ion: 83 Resp: 3138

Ion Ratio Lower Upper

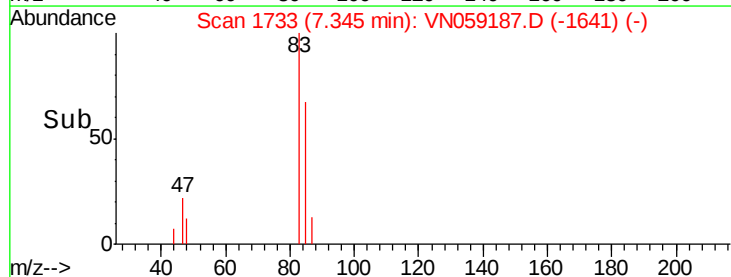
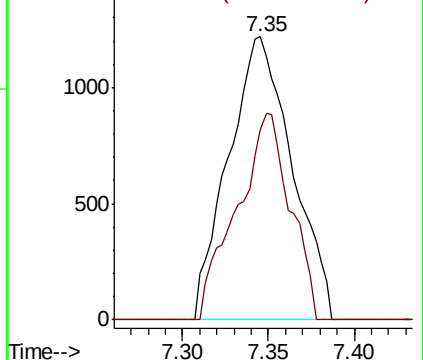
83 100

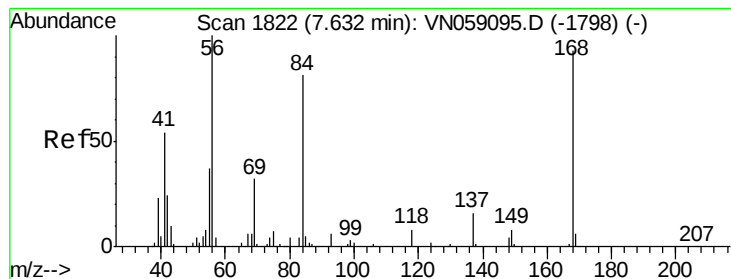
85 67.0 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

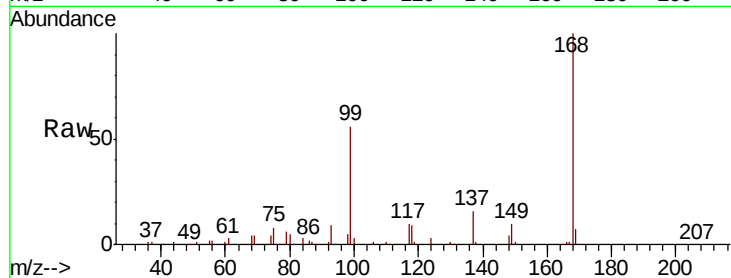
Tot Ion: 56 Resp: 8280

Ion Ratio Lower Upper

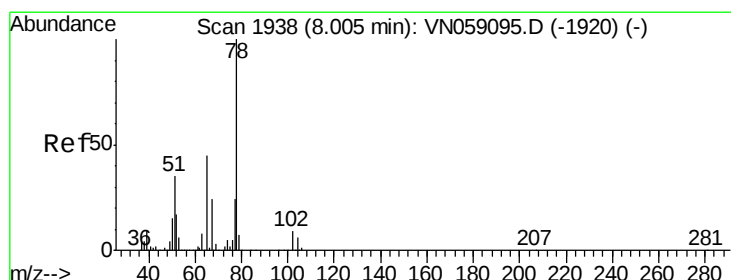
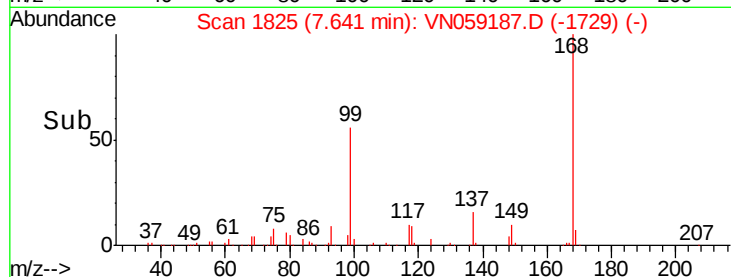
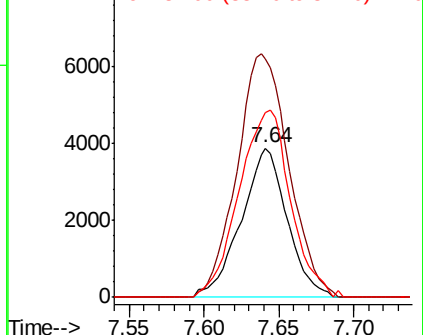
56 100

69 159.9 25.8 38.8#

84 124.0 65.0 97.4#



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: 53.317 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059187.D

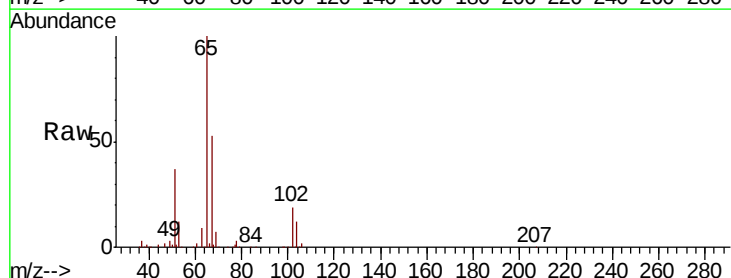
Acq: 12 Nov 2019 14:01

Tgt Ion: 65 Resp: 264087

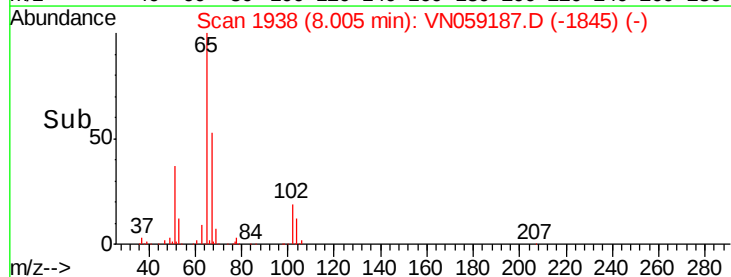
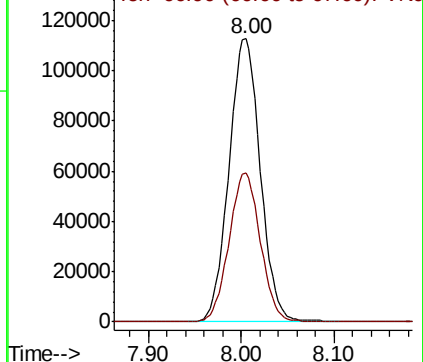
Ion Ratio Lower Upper

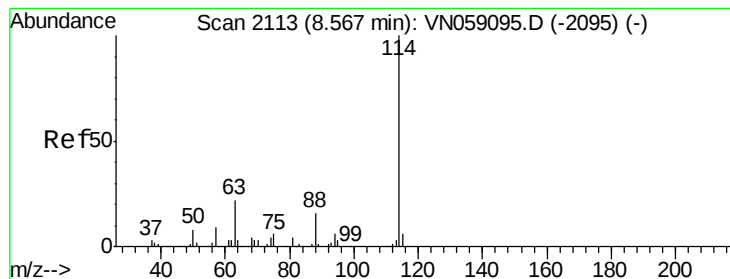
65 100

67 52.7 0.0 107.4



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: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

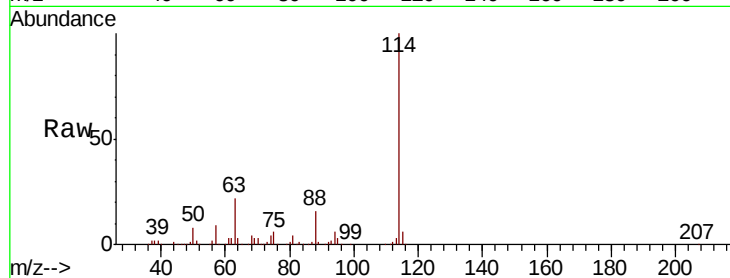
Tot Ion:114 Resp: 628632

Ion Ratio Lower Upper

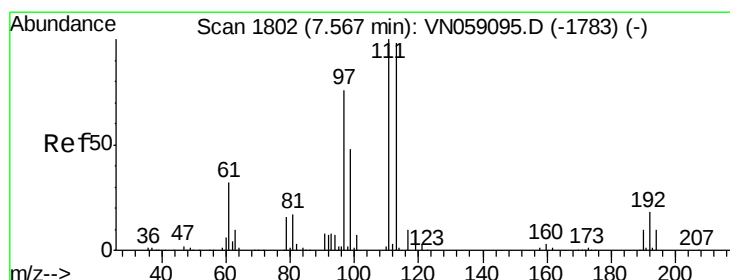
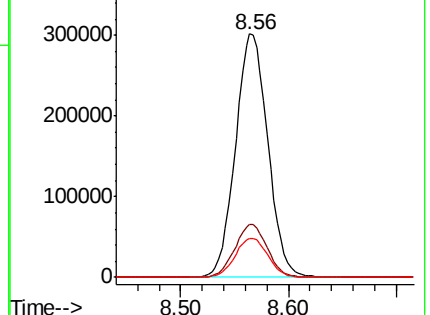
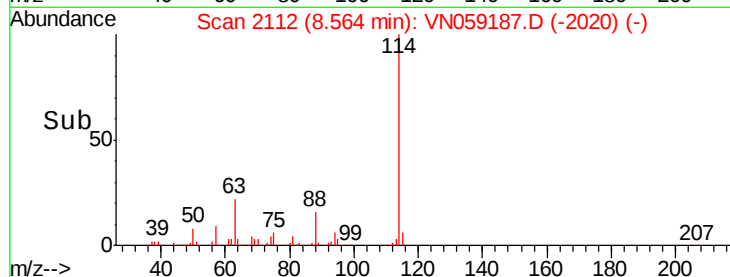
114 100

63 21.9 0.0 43.4

88 16.2 0.0 32.2



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: 52.630 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

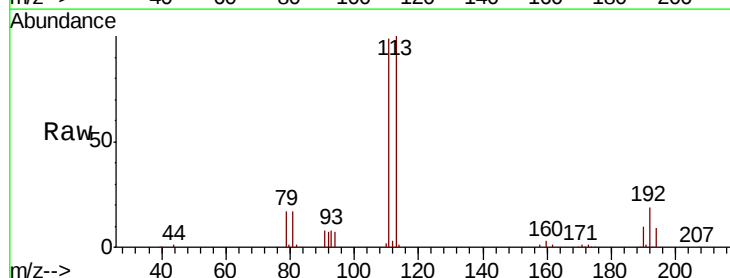
Tgt Ion:113 Resp: 197551

Ion Ratio Lower Upper

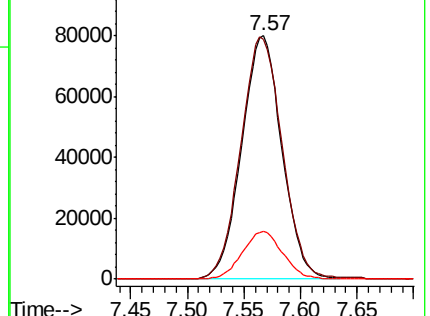
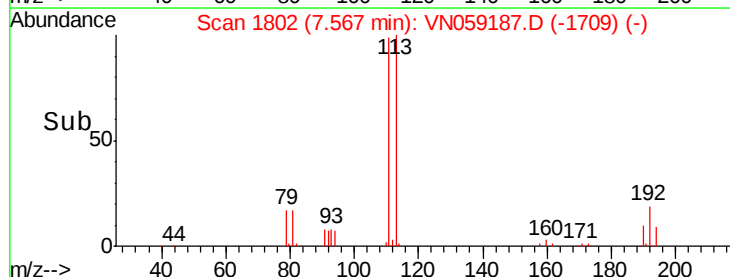
113 100

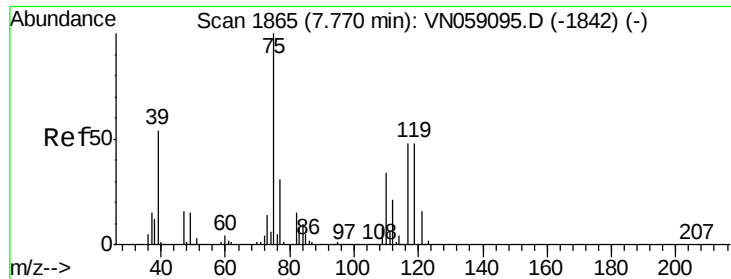
111 102.7 82.8 124.2

192 19.6 16.1 24.1



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: 5.349 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

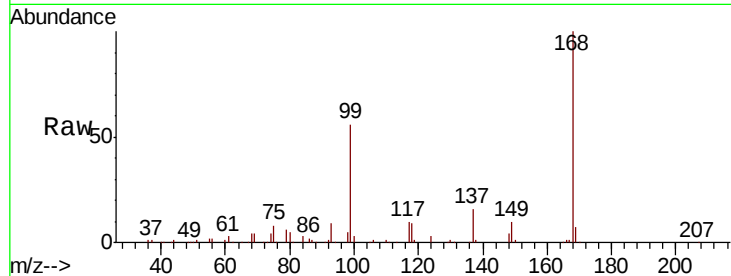
Tot Ion: 75 Resp: 31433

Ion Ratio Lower Upper

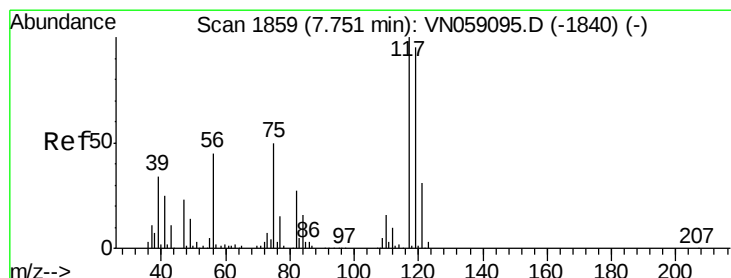
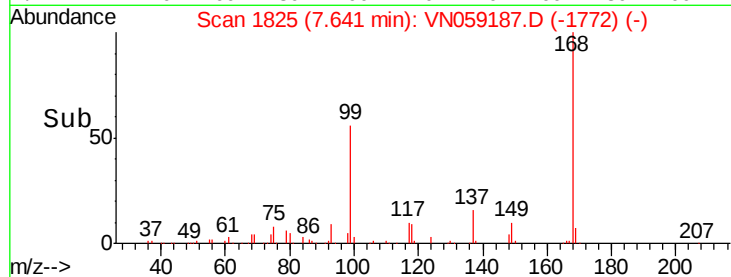
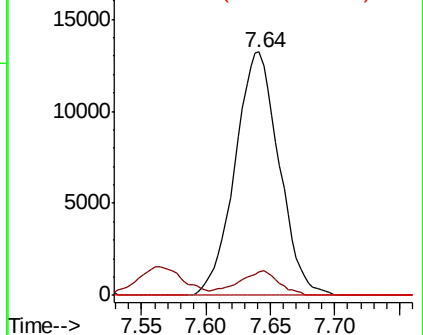
75 100

110 9.4 17.1 51.2#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.657 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

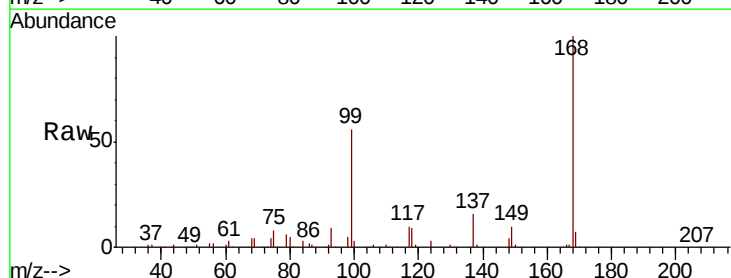
Tgt Ion:117 Resp: 38933

Ion Ratio Lower Upper

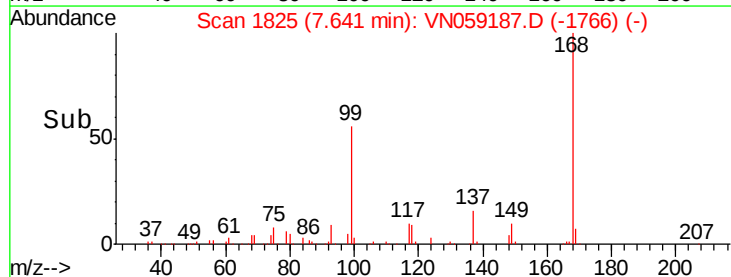
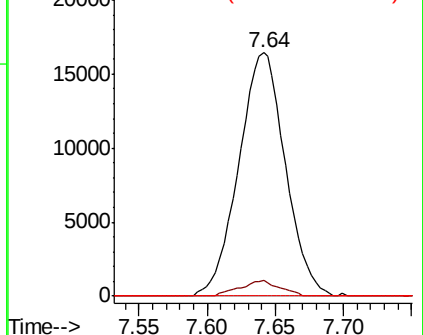
117 100

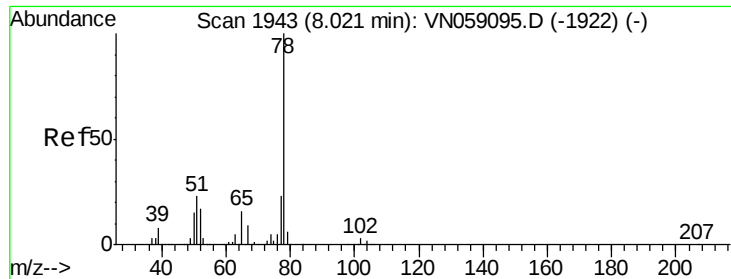
119 6.3 75.6 113.4#

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





#40

Benzene

Concen: 0.637 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

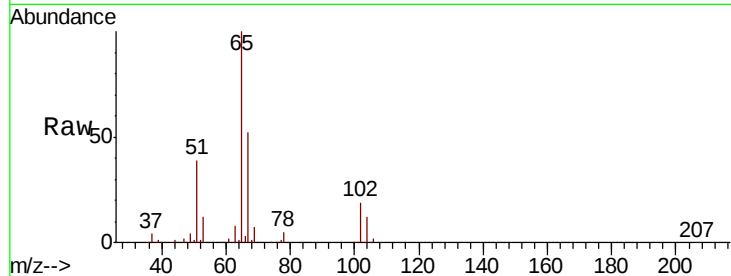
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 11269

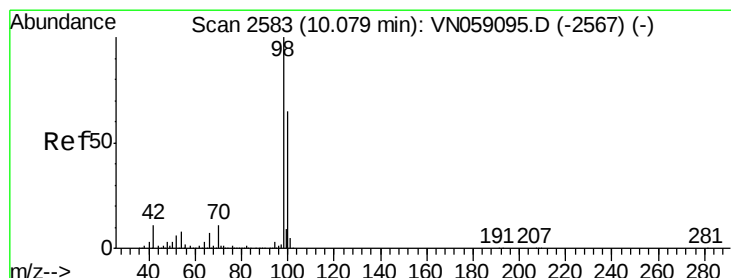
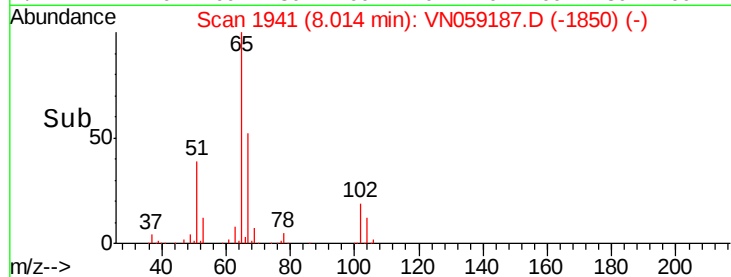
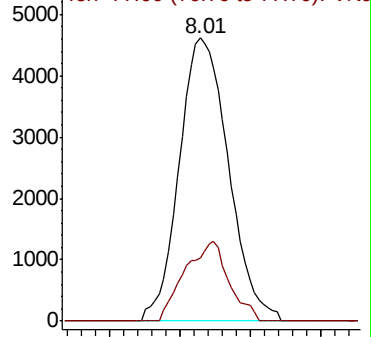
Ion Ratio Lower Upper

78 100

77 22.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN059095.D (-1922) (-)



#50

Toluene-d8

Concen: 51.935 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059187.D

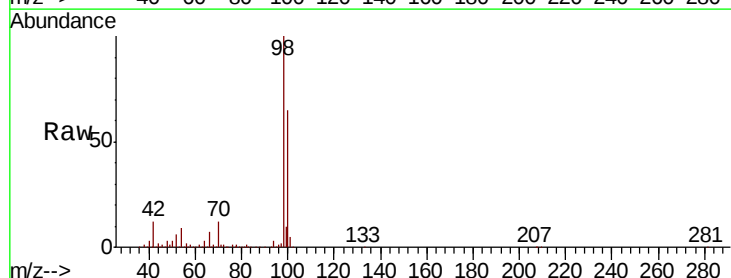
Acq: 12 Nov 2019 14:01

Tgt Ion: 98 Resp: 767846

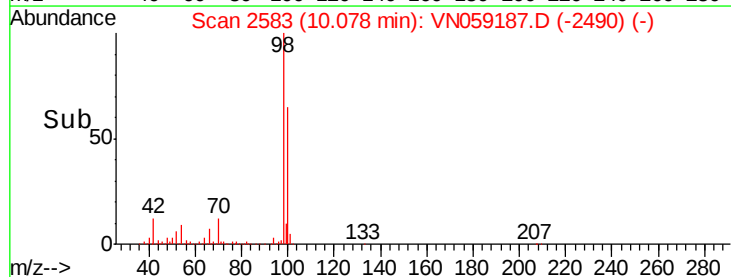
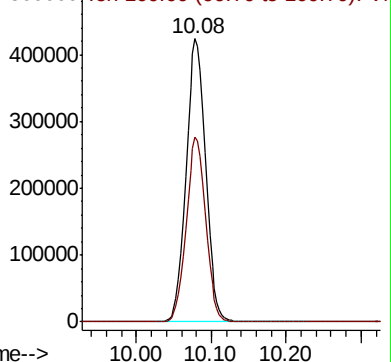
Ion Ratio Lower Upper

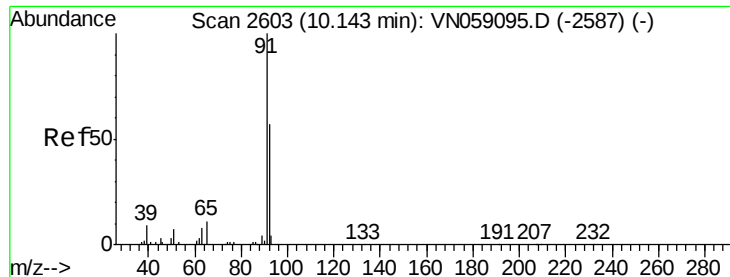
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059095.D (-2567) (-)





#52

Toluene

Concen: 0.991 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

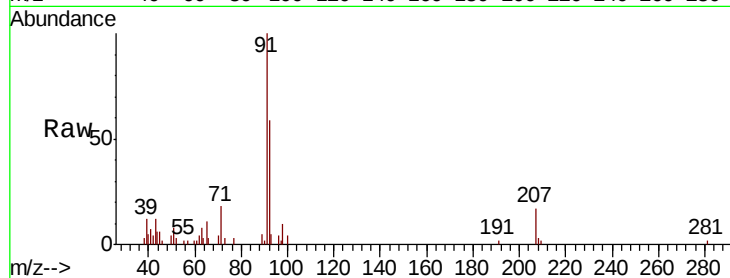
ClientSampled :

Tot Ion: 92 Resp: 10514

Ion Ratio Lower Upper

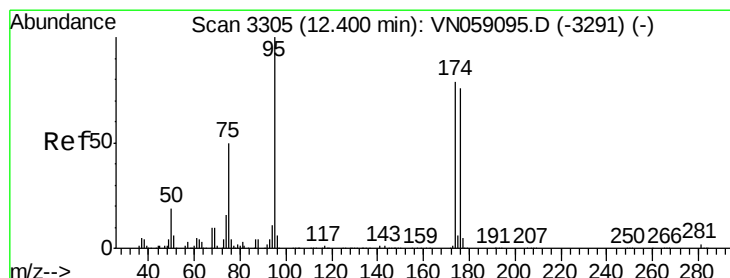
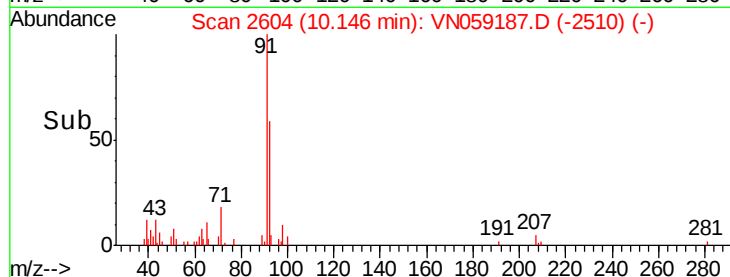
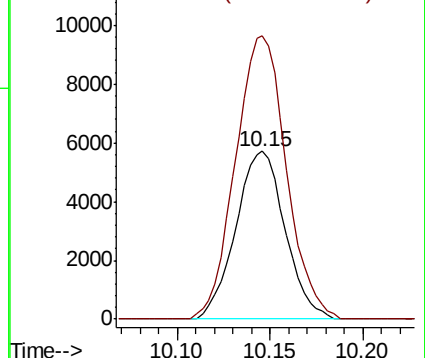
92 100

91 174.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 46.309 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

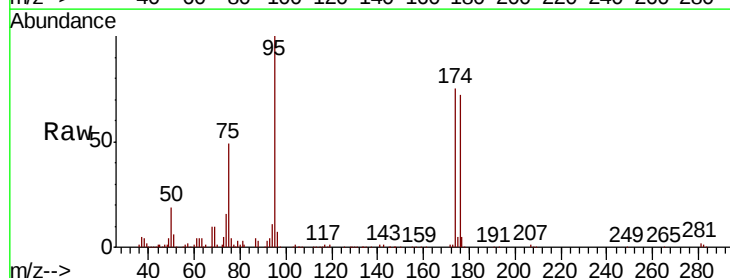
Tgt Ion: 95 Resp: 246868

Ion Ratio Lower Upper

95 100

174 78.0 0.0 158.2

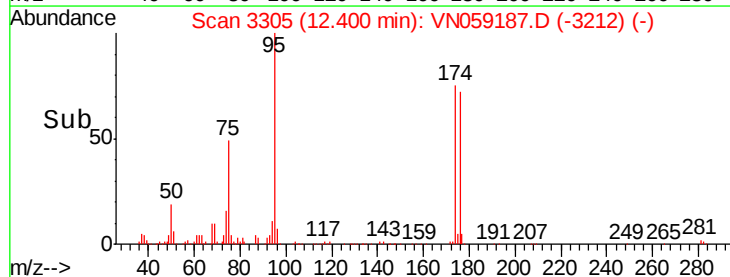
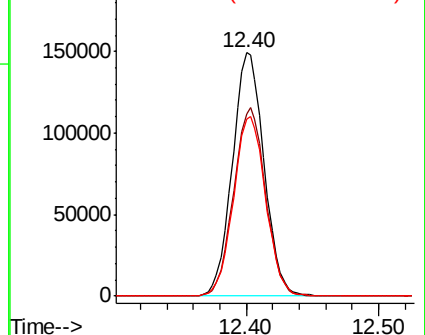
176 75.0 0.0 151.8

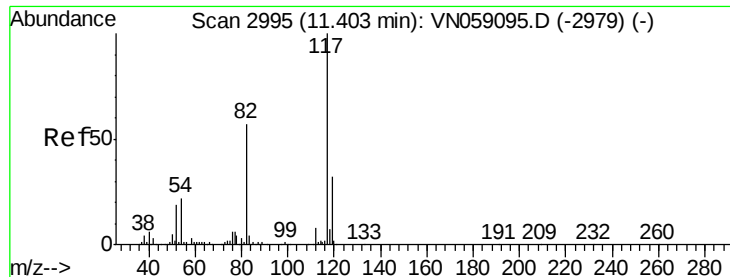


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

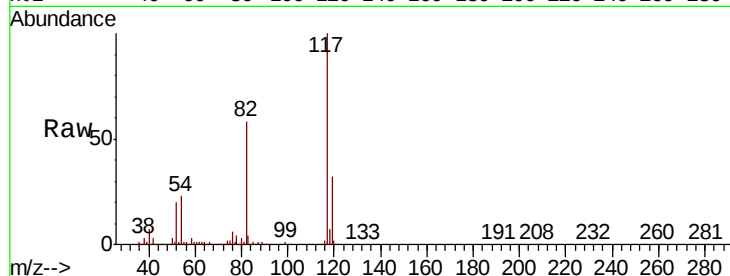
Tot Ion:117 Resp: 553414

Ion Ratio Lower Upper

117 100

82 58.1 45.8 68.8

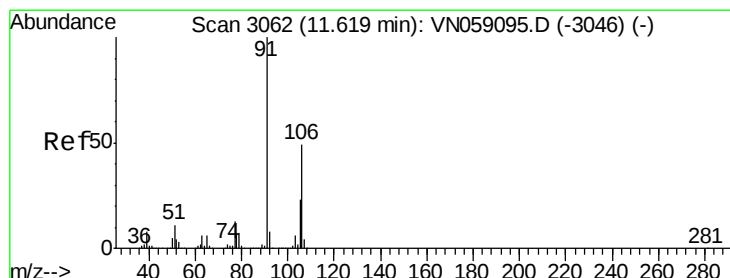
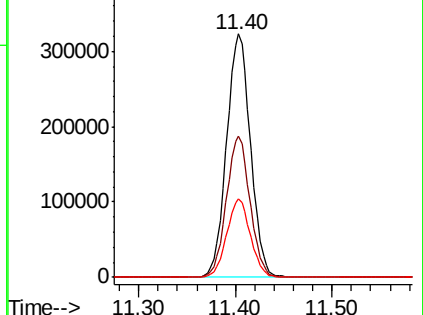
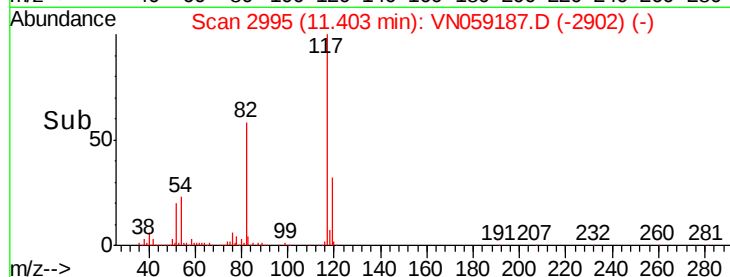
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 0.583 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059187.D

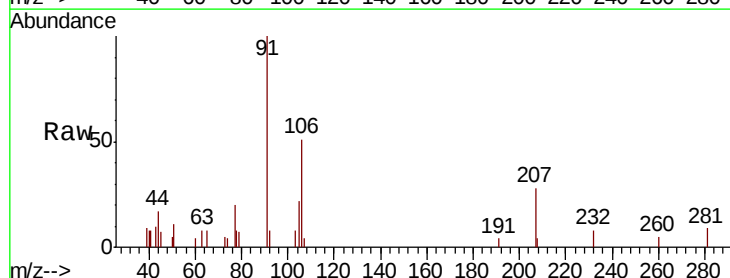
Acq: 12 Nov 2019 14:01

Tgt Ion:106 Resp: 4179

Ion Ratio Lower Upper

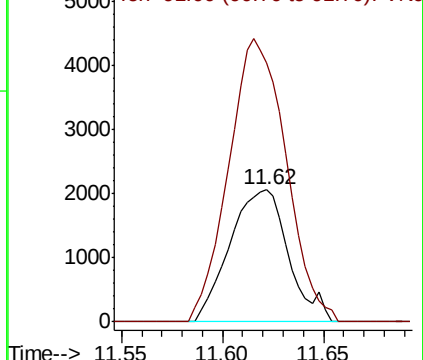
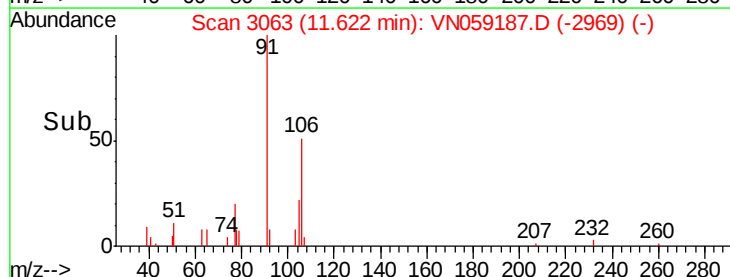
106 100

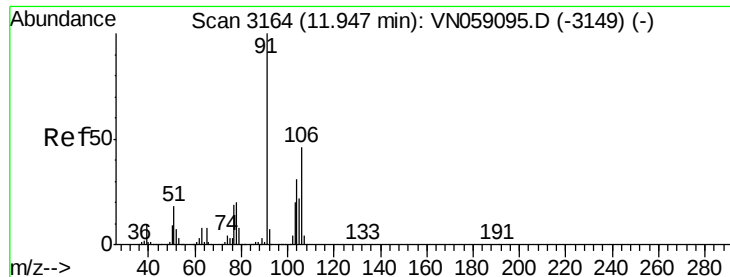
91 209.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

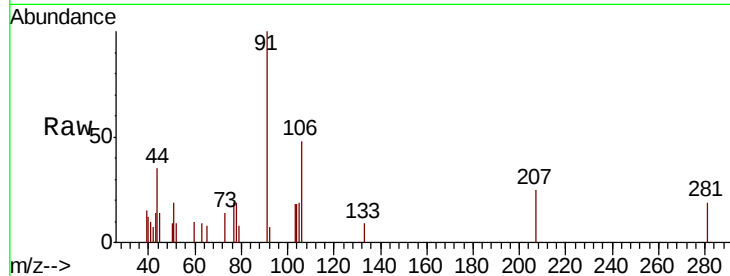




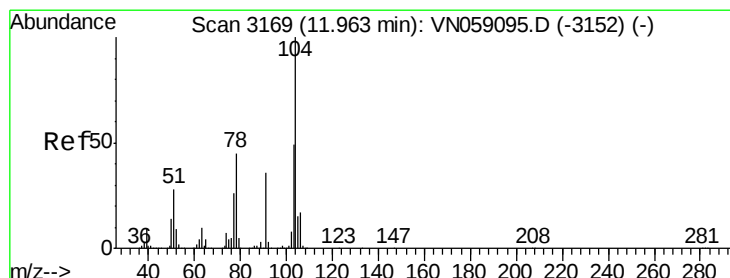
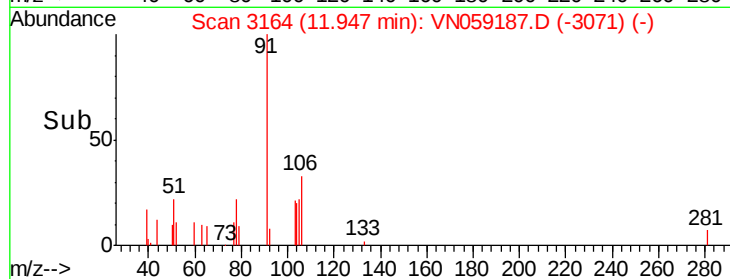
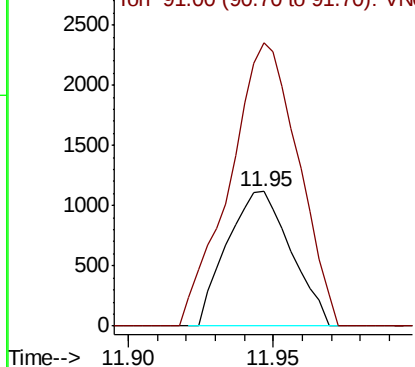
#69
o-Xylene
Concen: 0.247 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059187.D
Acq: 12 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1714
Ion Ratio Lower Upper
106 100
91 225.1 110.1 330.3

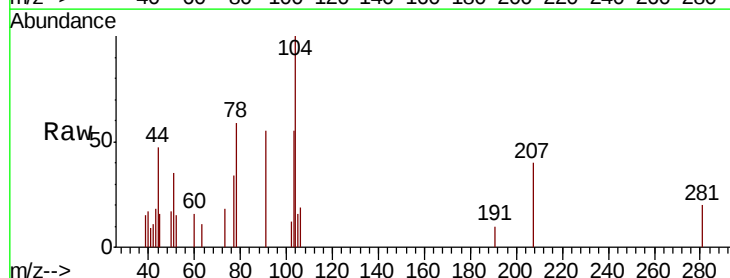


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

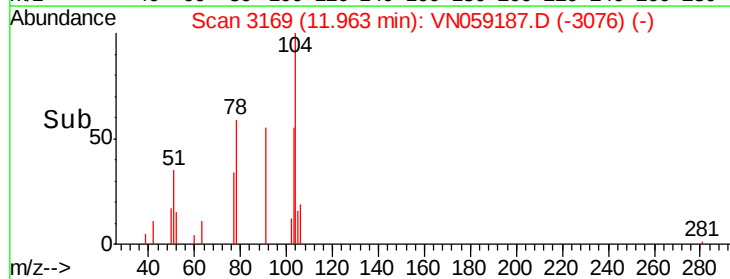
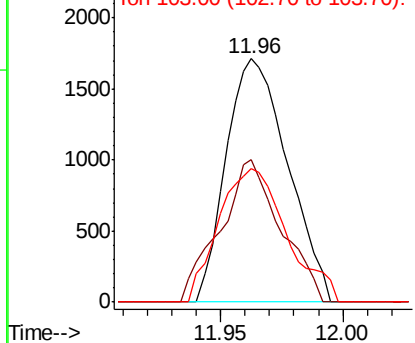


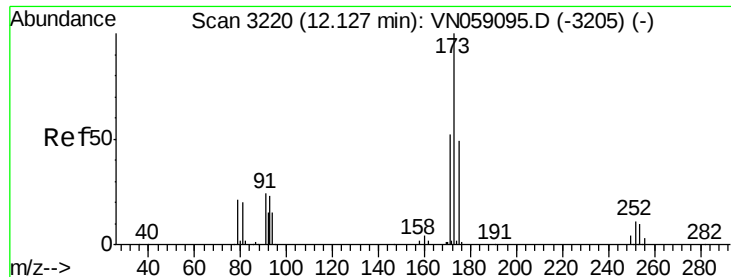
#70
Styrene
Concen: 0.276 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059187.D
Acq: 12 Nov 2019 14:01

Tgt Ion:104 Resp: 3005
Ion Ratio Lower Upper
104 100
78 57.4 41.2 61.8
103 60.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.430 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

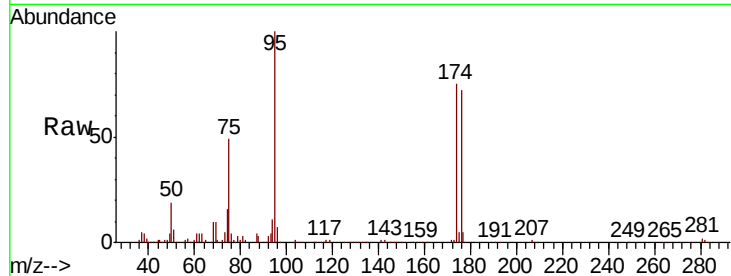
Tot Ion:173 Resp: 1353

Ion Ratio Lower Upper

173 100

175 875.3 24.2 72.6#

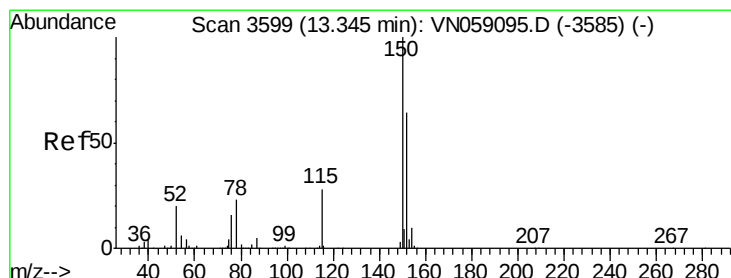
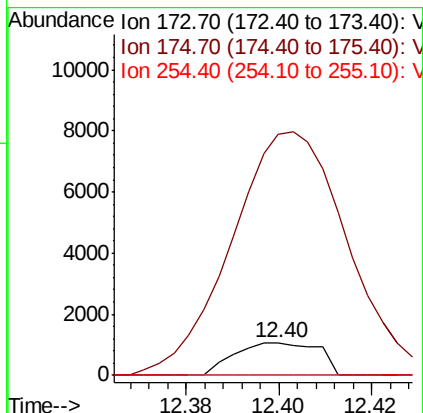
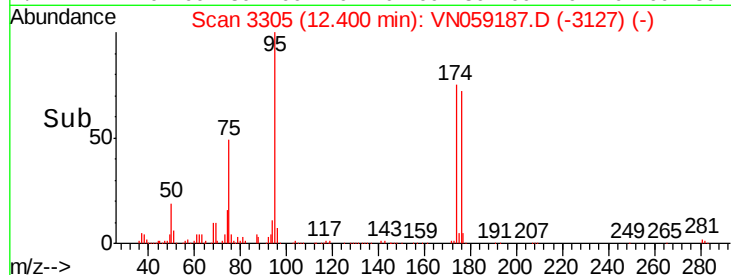
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

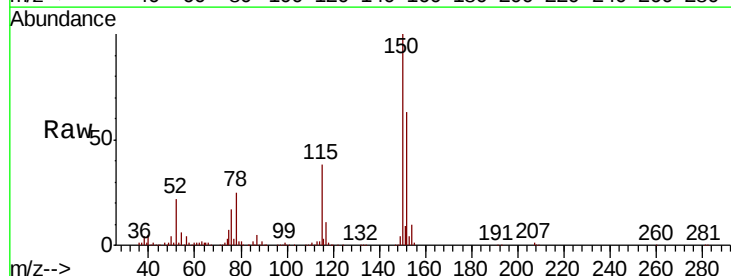
Tgt Ion:152 Resp: 219460

Ion Ratio Lower Upper

152 100

115 60.2 29.4 88.2

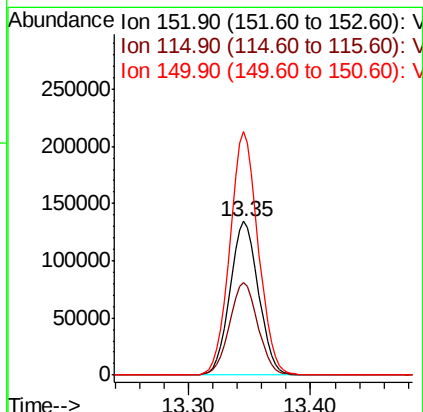
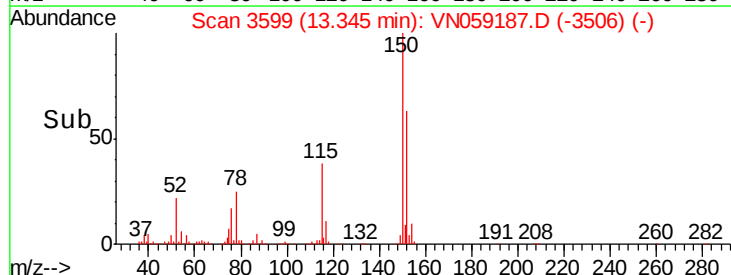
150 156.8 0.0 345.8

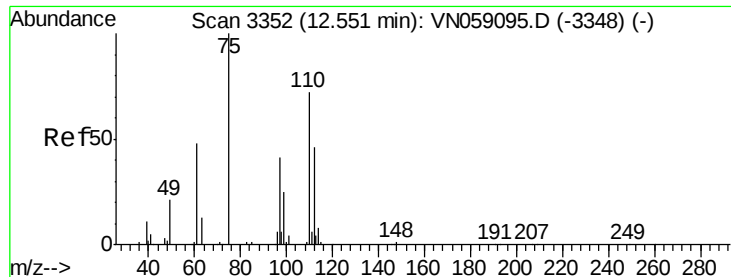


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.717 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

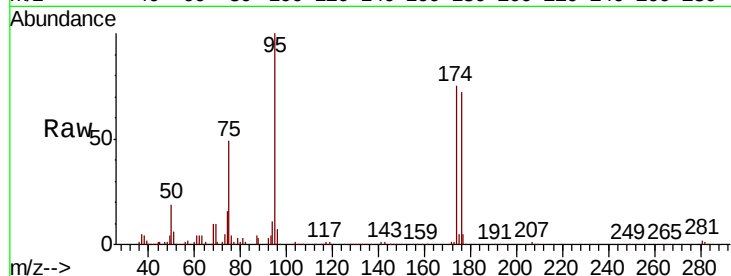
ClientSampled :

Tot Ion: 75 Resp: 123493

Ion Ratio Lower Upper

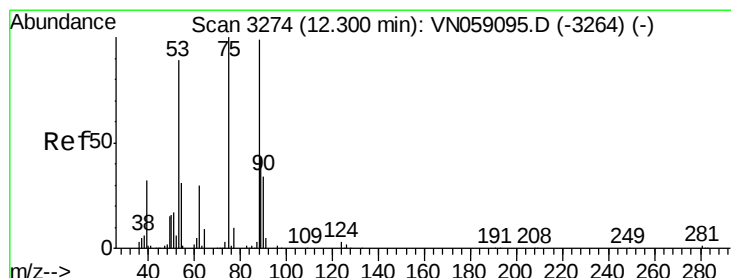
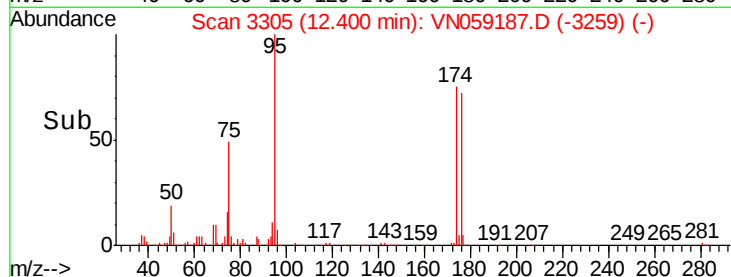
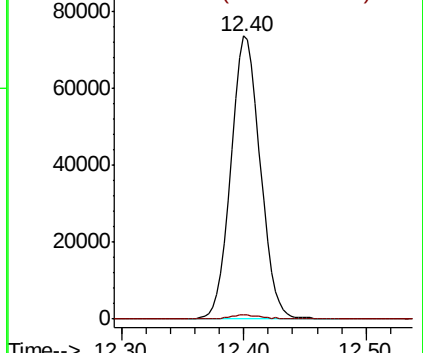
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 65.283 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

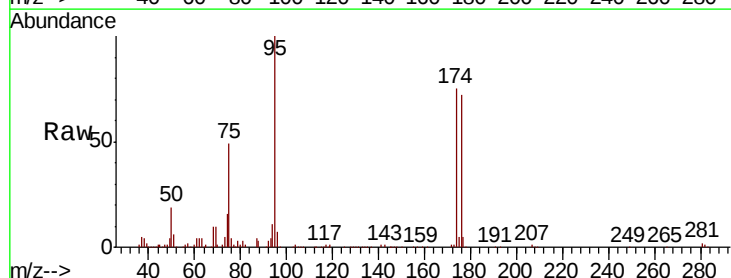
Tgt Ion: 75 Resp: 123493

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

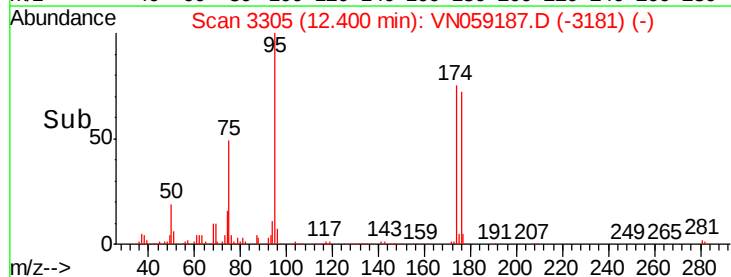
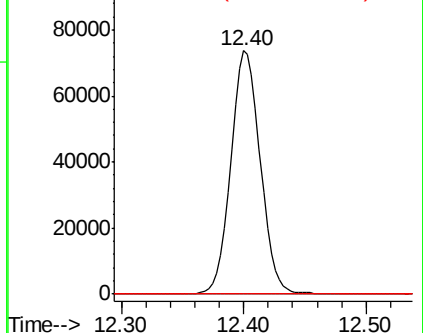
89 0.0 35.8 53.8#

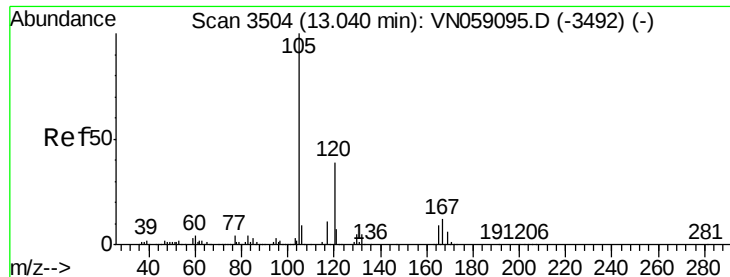


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.335 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

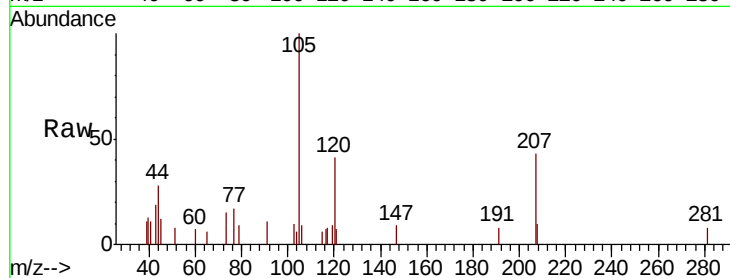
ClientSampled :

Tot Ion:105 Resp: 4383

Ion Ratio Lower Upper

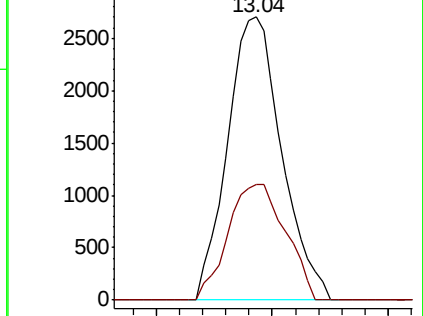
105 100

120 43.5 22.8 68.4

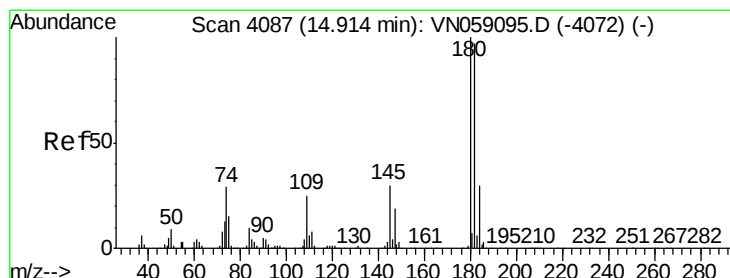
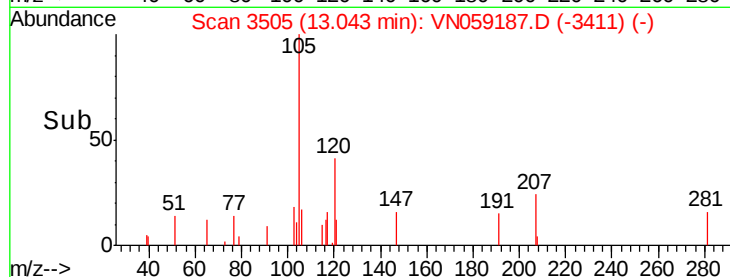


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.307 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

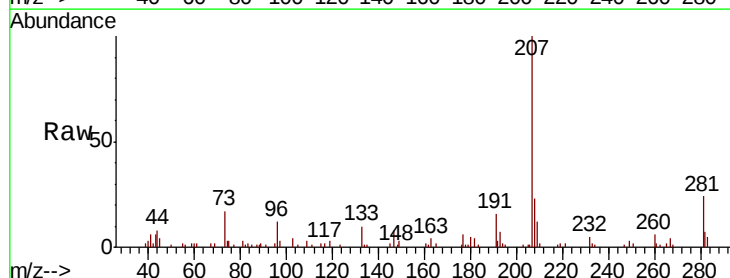
Tgt Ion:180 Resp: 1138

Ion Ratio Lower Upper

180 100

182 82.9 48.1 144.3

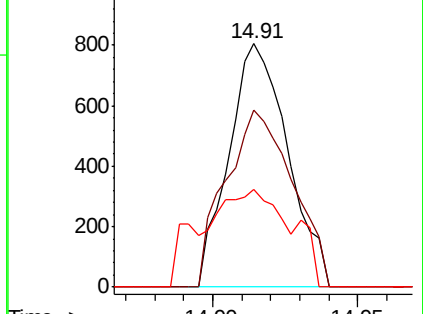
145 51.1 15.1 45.3#



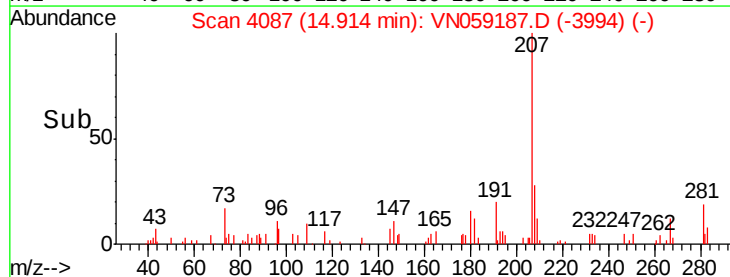
Abundance Ion 179.80 (179.50 to 180.50): V

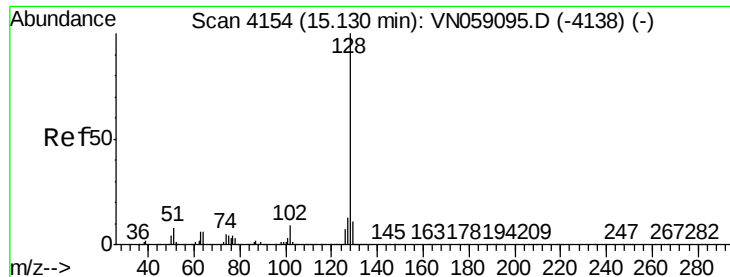
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->





#95

Naphthalene

Concen: 22.418 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

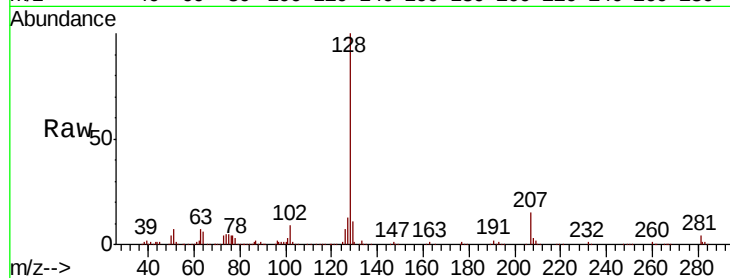
Tot Ion:128 Resp: 234600

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

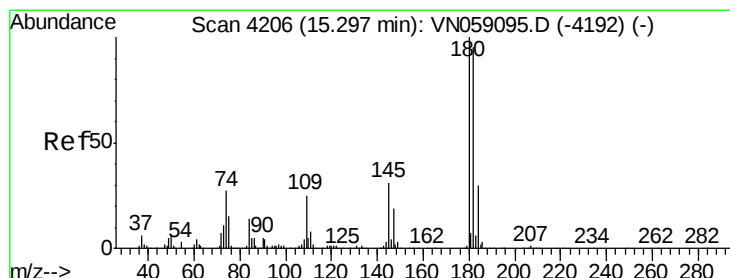
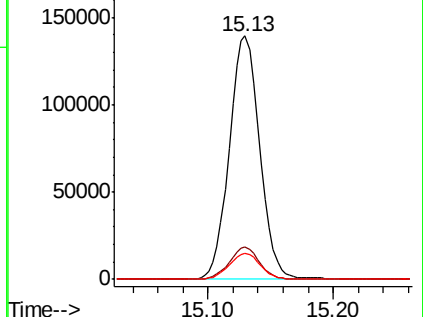
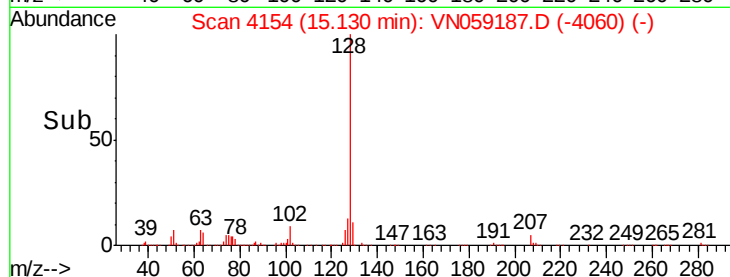
129 11.0 8.6 12.8



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: 0.434 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059187.D

Acq: 12 Nov 2019 14:01

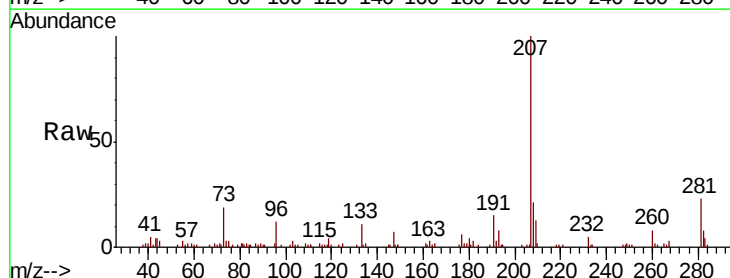
Tgt Ion:180 Resp: 1644

Ion Ratio Lower Upper

180 100

182 76.3 47.3 141.8

145 49.9 15.8 47.3#



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

