

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053178.D
 Acq On : 24 Dec 2018 12:06
 Operator : MD\SY
 Sample : J6426-18MEDL 10X
 Misc : 6.42g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS019-1824-01MEDL

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:53:44 AM

Quant Time: Dec 24 23:41:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1228143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1893388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1740529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	807889	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	606427	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.59	113	524385	60.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.26%	
50) Toluene-d8	10.09	98	2341683	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	829625	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
Target Compounds						
					Qvalue	
24) 1,1-Dichloroethane	5.85	63	19530	0.849	ug/l	98
39) Methylcyclohexane	9.08	83	16052	0.727	ug/l	95
42) 1,2-Dichloroethane	8.13	62	17314	1.084	ug/l	100
52) Toluene	10.16	92	309484	9.237	ug/l	99
64) Tetrachloroethene	10.63	164	7968	0.423	ug/l	91
67) Ethyl Benzene	11.51	91	180505	2.720	ug/l	98
68) m/p-Xylenes	11.62	106	219790	8.713	ug/l	99
69) o-Xylene	11.95	106	91689	3.788	ug/l	100
73) Isopropylbenzene	12.25	105	45951	0.727	ug/l	99
78) n-propylbenzene	12.59	91	121884	1.693	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	259853	5.044	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	817589	15.785	ug/l	100
85) sec-Butylbenzene	13.17	105	97790	1.587	ug/l	82
86) p-Isopropyltoluene	13.29	119	92001	1.728	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	57931m	1.992	ug/l	
88) 1,4-Dichlorobenzene	13.36	146	357403	12.136	ug/l	96
89) n-Butylbenzene	13.62	91	92422	2.017	ug/l #	76
91) 1,2-Dichlorobenzene	13.65	146	11170	0.408	ug/l #	43
93) 1,2,4-Trichlorobenzene	14.91	180	311487	21.821	ug/l #	91
95) Naphthalene	15.13	128	321654	11.041	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	79110	6.505	ug/l #	67

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

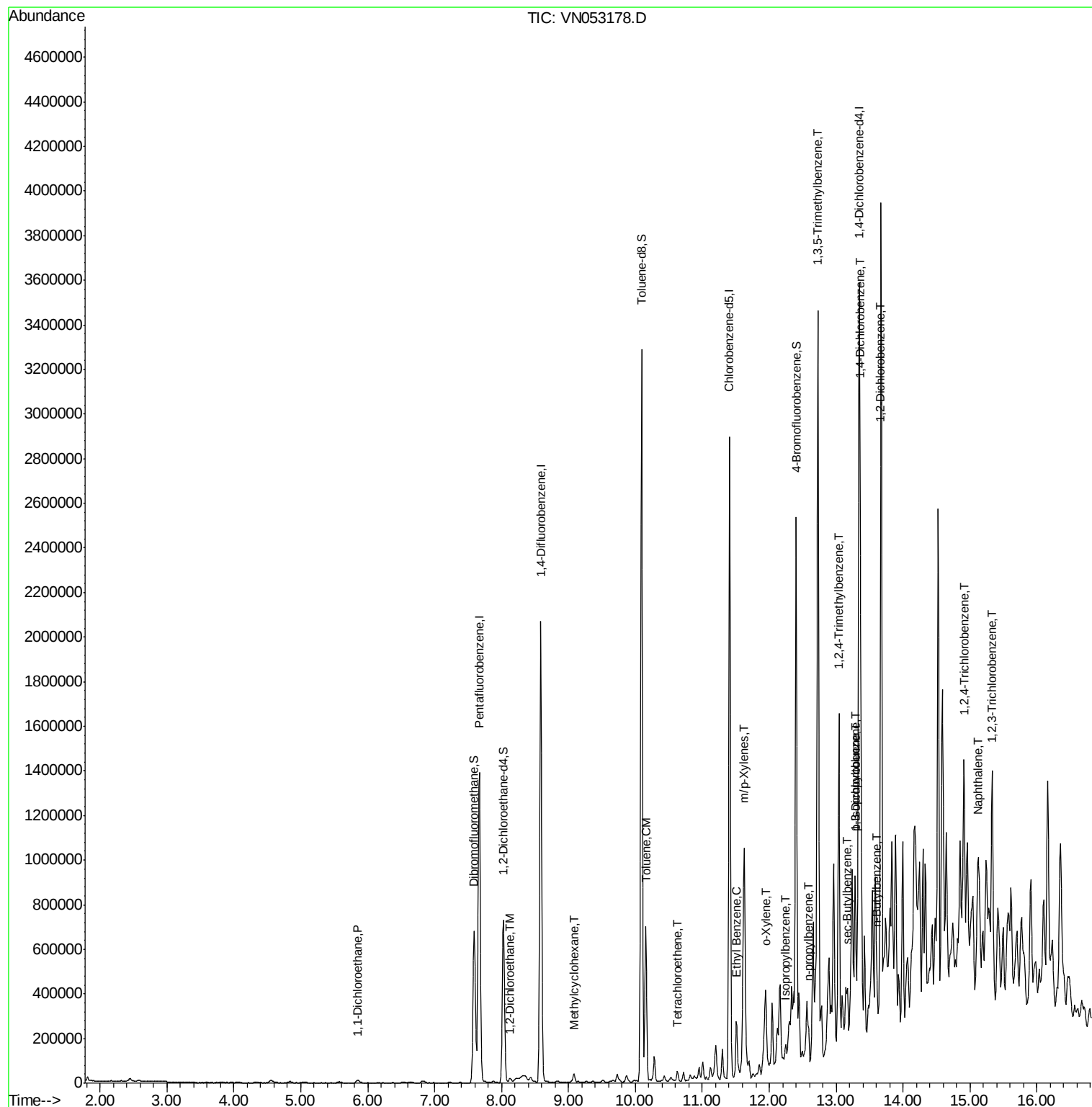
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053178.D
Acq On : 24 Dec 2018 12:06
Operator : MD\SY
Sample : J6426-18MEDL 10X
Misc : 6.42g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 28

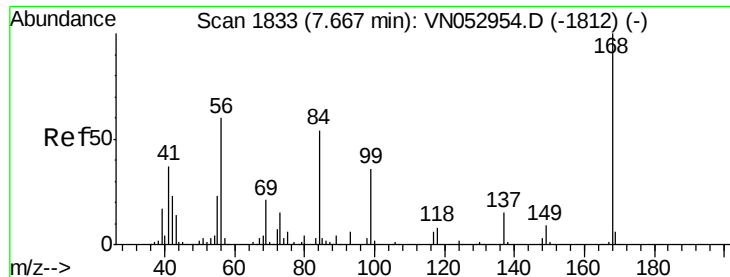
Instrument :
MSVOA_N
ClientSampleId :
P001-SS019-1824-01MEDL

Manual Integrations
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Quant Time: Dec 24 23:41:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS019-1824-01MEDL

Tot Ion:168 Resp: 1228143

Ion Ratio Lower Upper

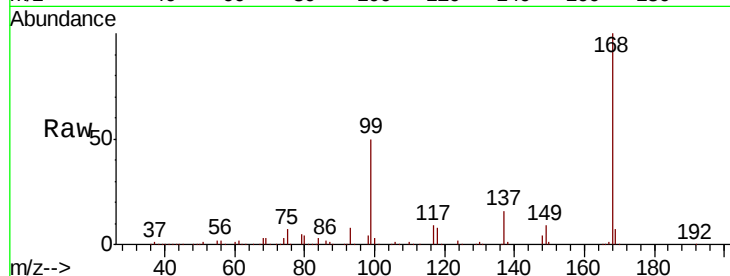
168 100

99 49.8 40.2 60.2

Manual Integrations
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12/26/2018 10:53:44 AM



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.67

600000

500000

400000

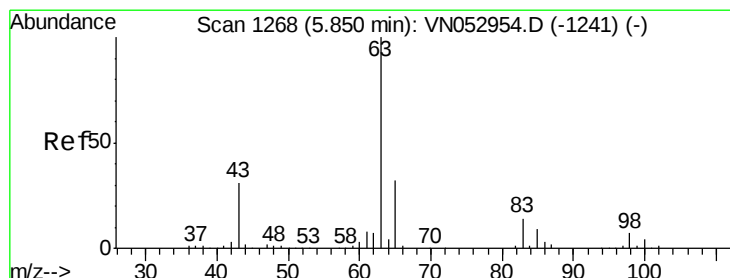
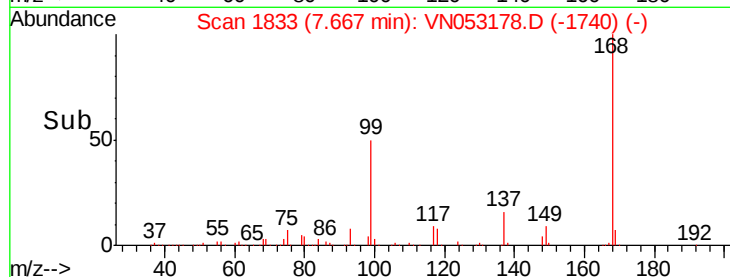
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 0.849 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

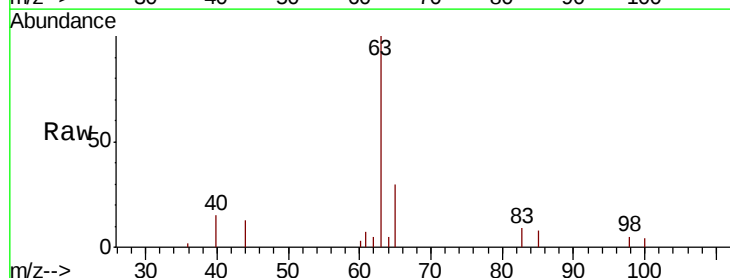
Tgt Ion: 63 Resp: 19530

Ion Ratio Lower Upper

63 100

98 5.2 3.1 9.4

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)

5.85

8000

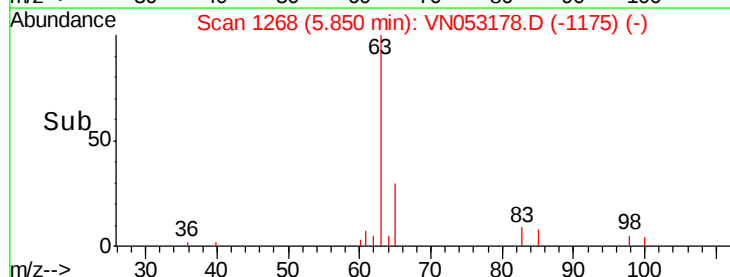
6000

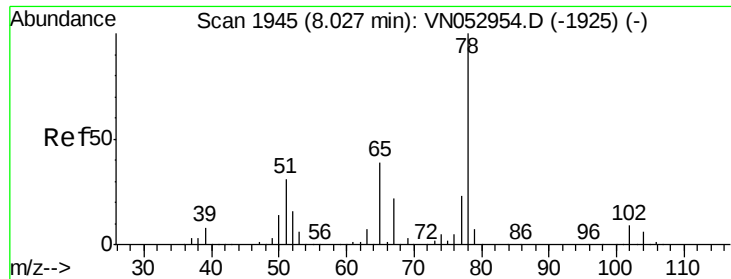
4000

2000

0

Time-->





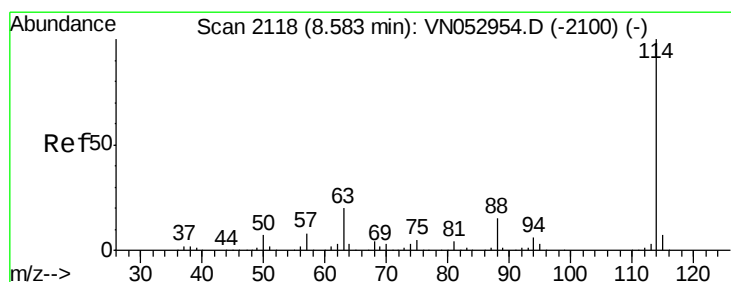
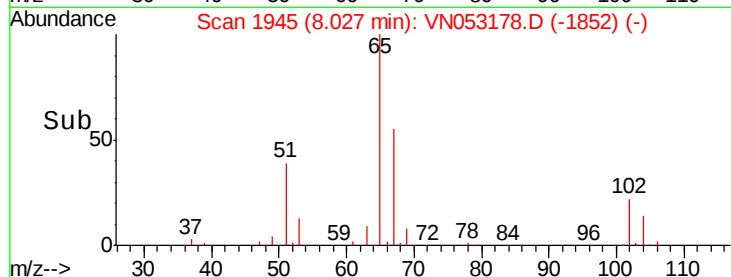
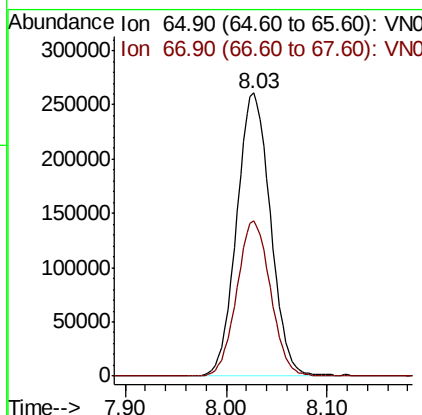
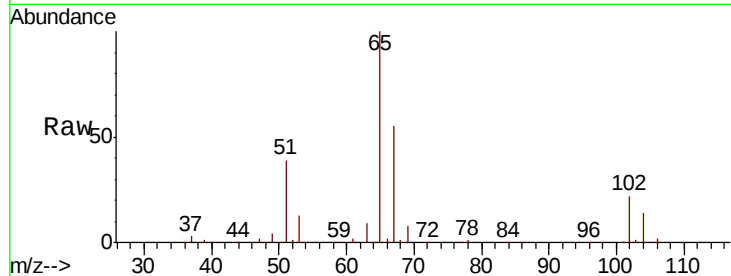
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053178.D
 Acq: 24 Dec 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS019-1824-01MEDL

Tot Ion: 65 Resp: 606427
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4

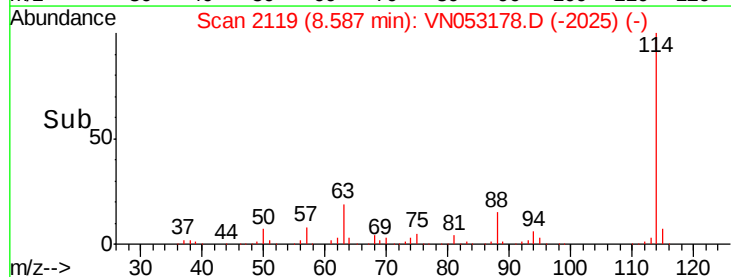
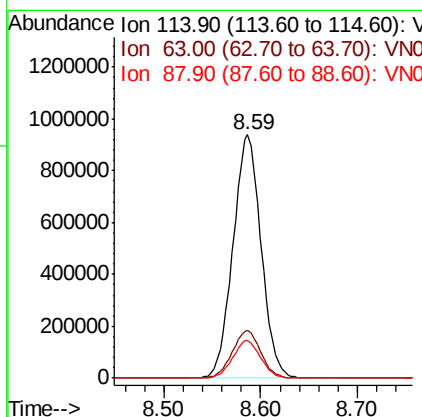
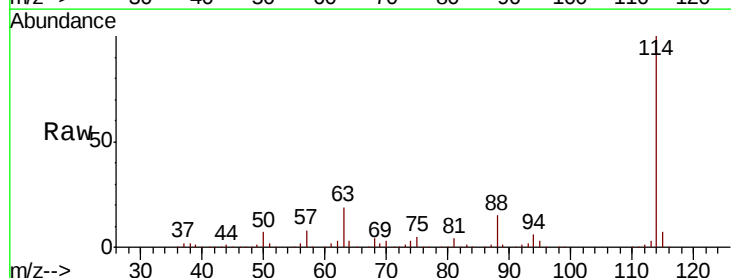
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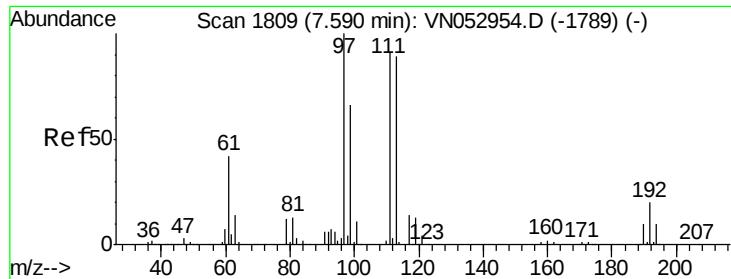
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053178.D
 Acq: 24 Dec 2018 12:06

Tgt Ion: 114 Resp: 1893388
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.4 0.0 31.0





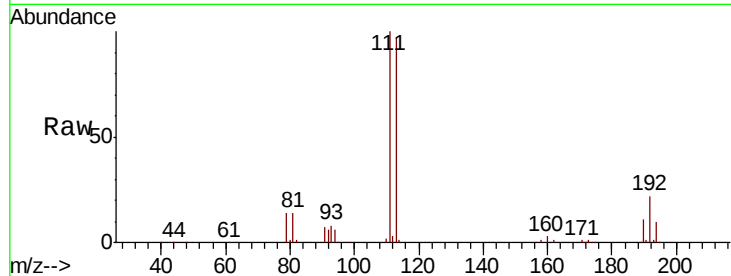
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
P001-SS019-1824-01MEDL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	524385		
111	102.1	83.0	124.4	
192	22.6	17.5	26.3	

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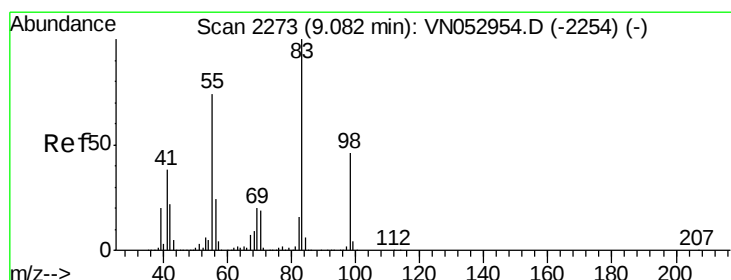
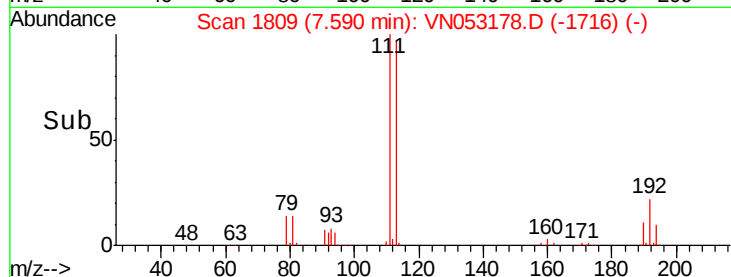
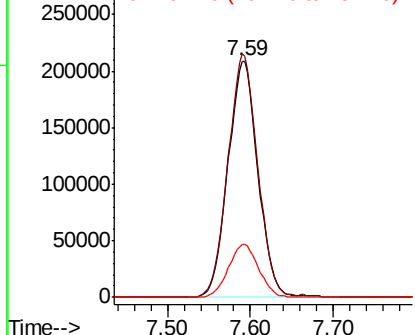


Abundance

Ion 112.80 (112.50 to 113.50): V

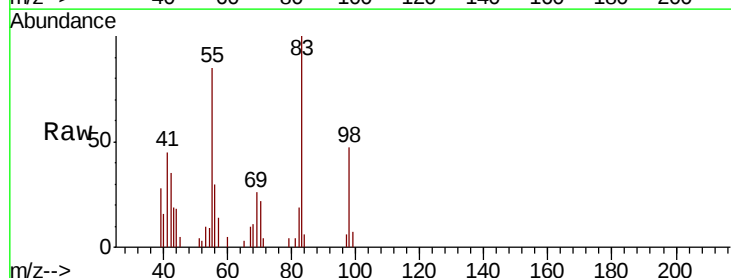
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
Methylcyclohexane
Concen: 0.727 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	16052		
55	82.4	61.3	91.9	
98	46.7	37.0	55.4	

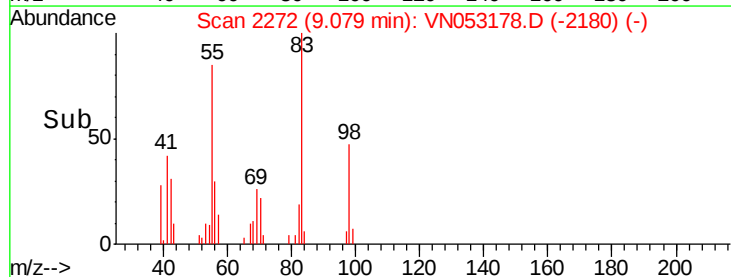
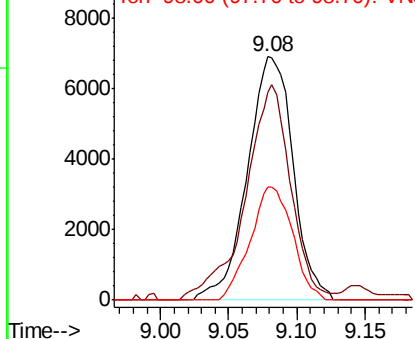


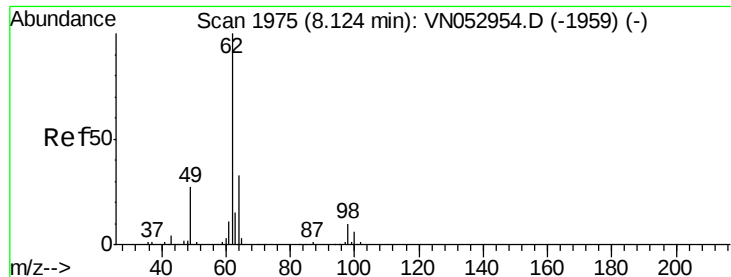
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#42

1,2-Dichloroethane

Concen: 1.084 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS019-1824-01MEDL

Tot Ion: 62 Resp: 17314

Ion Ratio Lower Upper

62 100

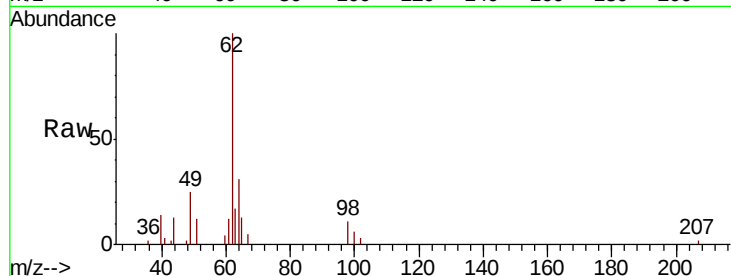
98 9.6 0.0 19.0

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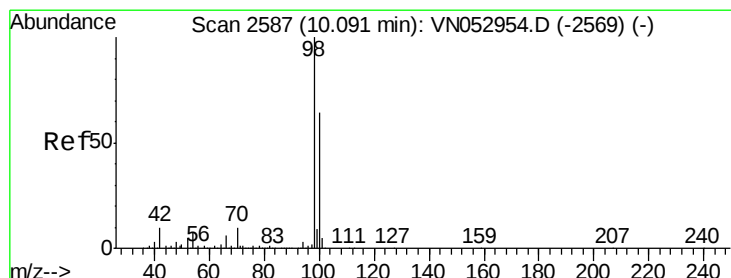
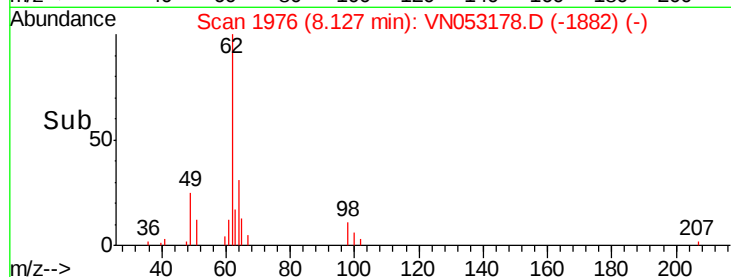
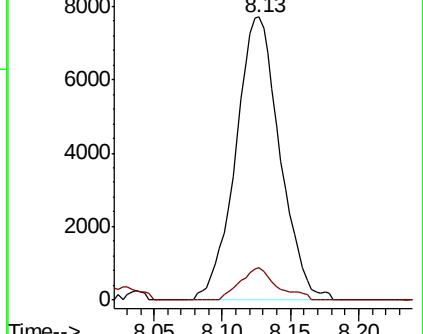
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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053178.D

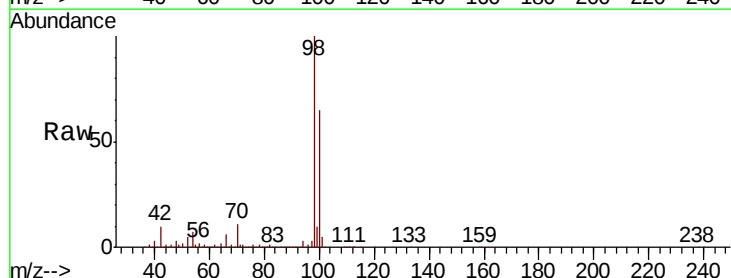
Acq: 24 Dec 2018 12:06

Tgt Ion: 98 Resp: 2341683

Ion Ratio Lower Upper

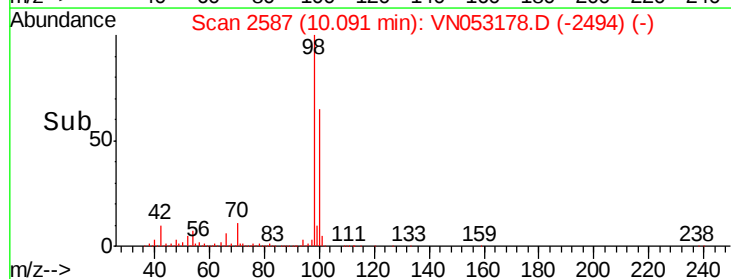
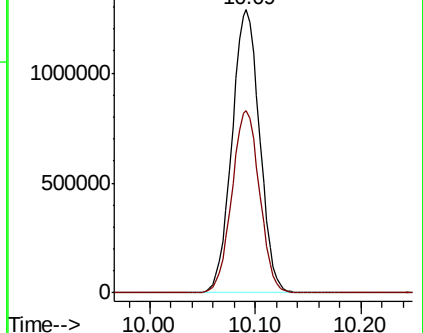
98 100

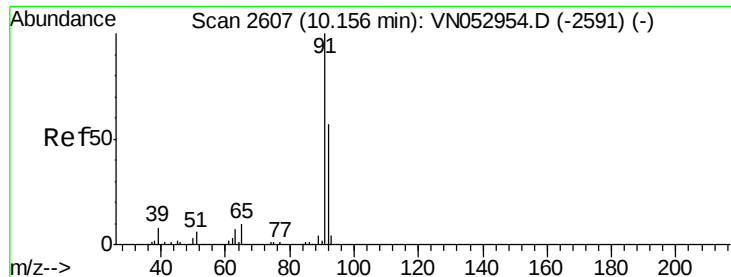
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VNC

Ion 100.00 (99.70 to 100.70): VNC





#52

Toluene

Concen: 9.237 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS019-1824-01MEDL

Tot Ion: 92 Resp: 309484

Ion Ratio Lower Upper

92 100

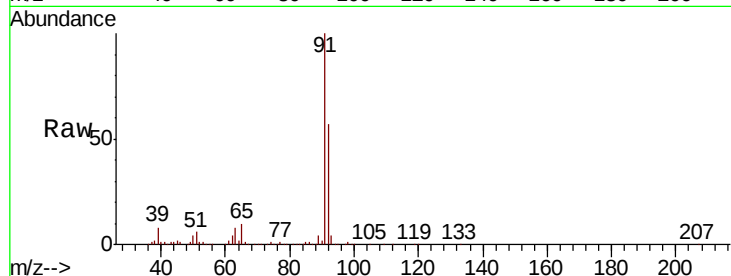
91 172.9 139.8 209.6

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

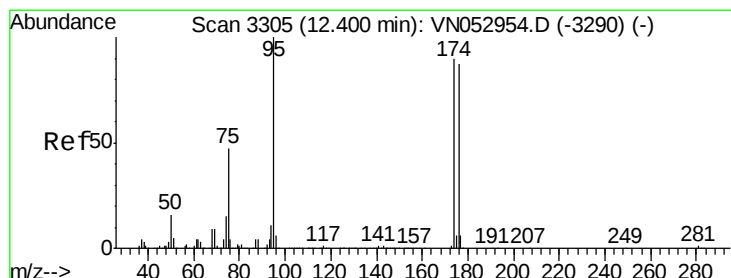
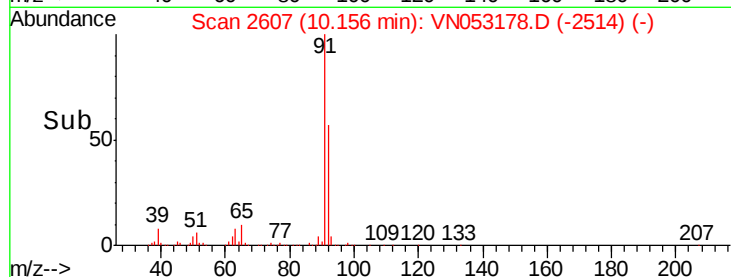
200000

100000

0

10.10 10.16 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

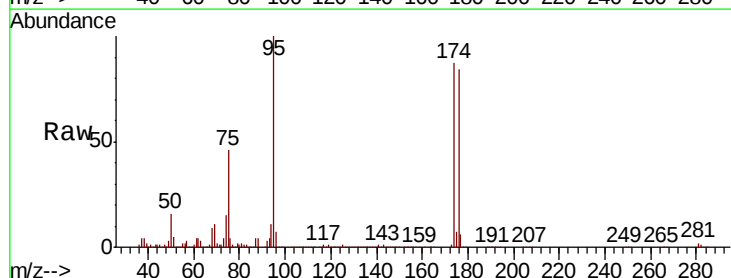
Tgt Ion: 95 Resp: 829625

Ion Ratio Lower Upper

95 100

174 88.8 0.0 178.8

176 86.0 0.0 173.8



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

600000

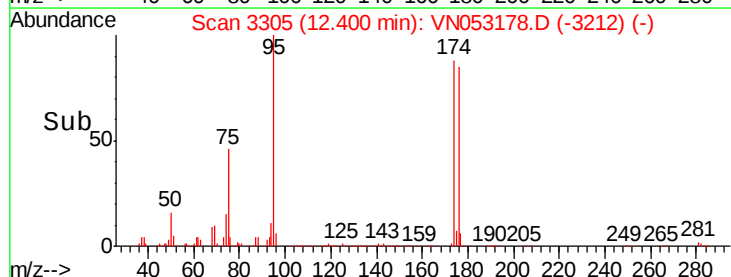
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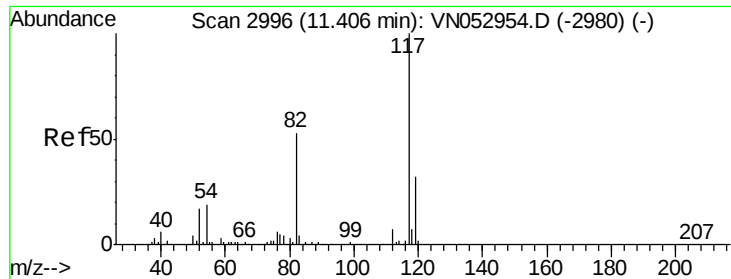
200000

0

12.35 12.40 12.45

Time-->





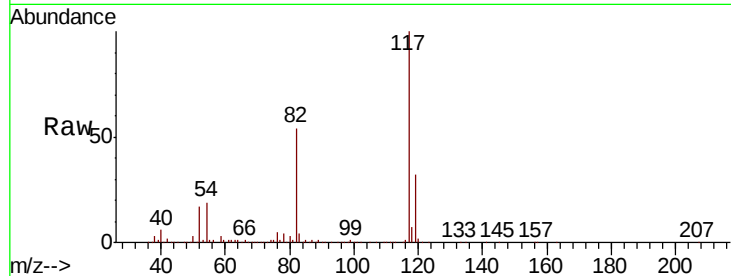
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
P001-SS019-1824-01MEDL

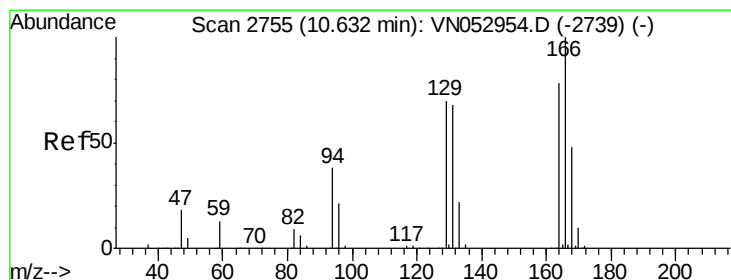
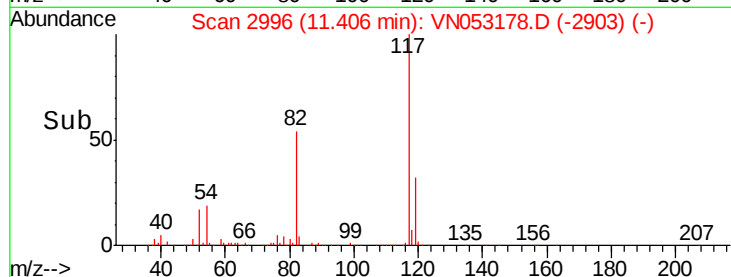
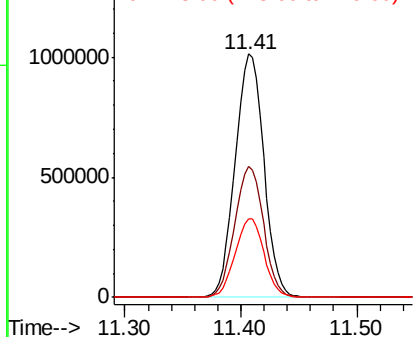
Tot Ion:117 Resp: 1740529
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.4 25.5 38.3

Manual Integrations
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MMDadoda
12/26/2018 10:53:44 AM



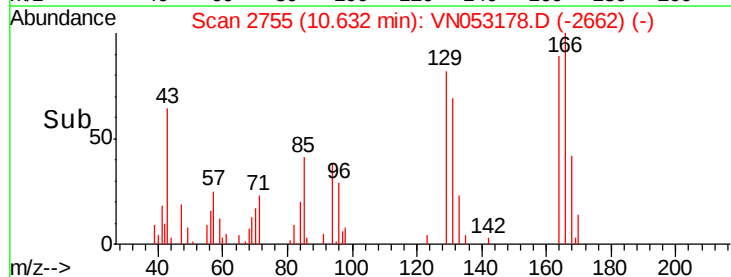
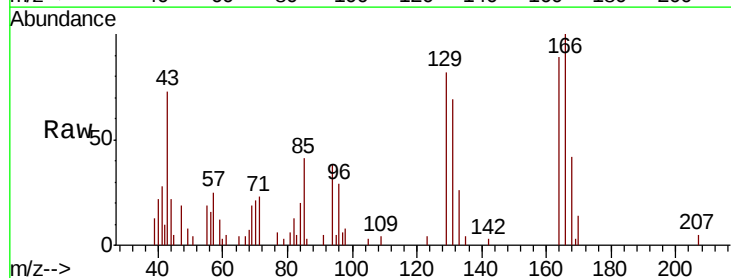
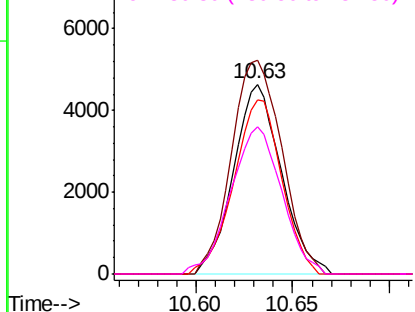
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

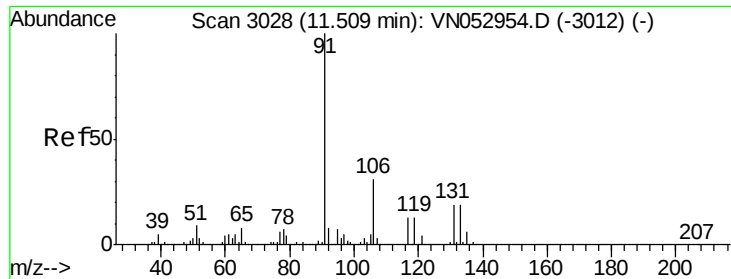


#64
Tetrachloroethene
Concen: 0.423 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Tgt Ion:164 Resp: 7968
Ion Ratio Lower Upper
164 100
166 112.6 102.9 154.3
129 92.0 73.7 110.5
131 77.6 70.7 106.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





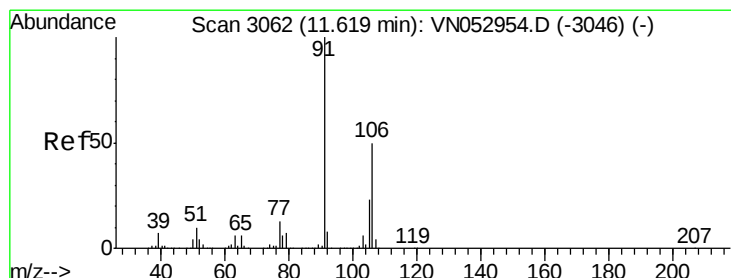
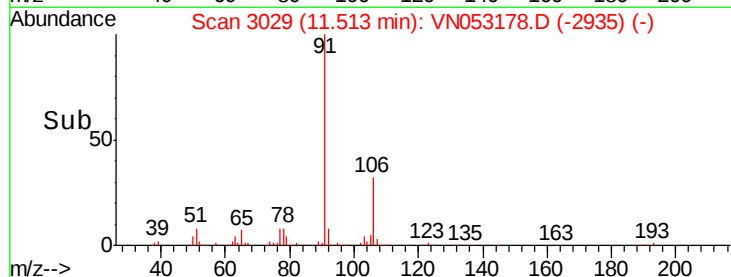
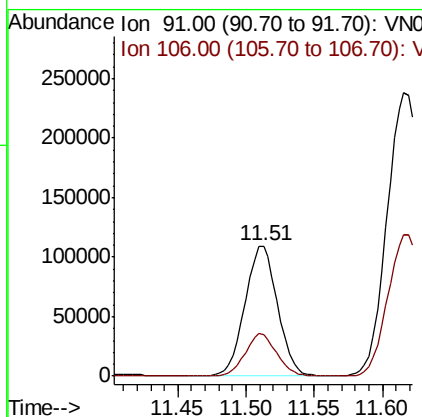
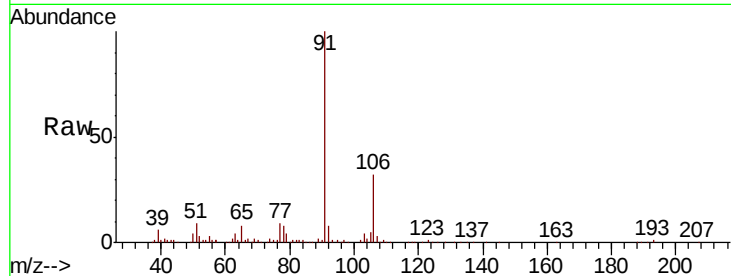
#67
Ethyl Benzene
Concen: 2.720 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
P001-SS019-1824-01MEDL

Tot Ion: 91 Resp: 180505
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3

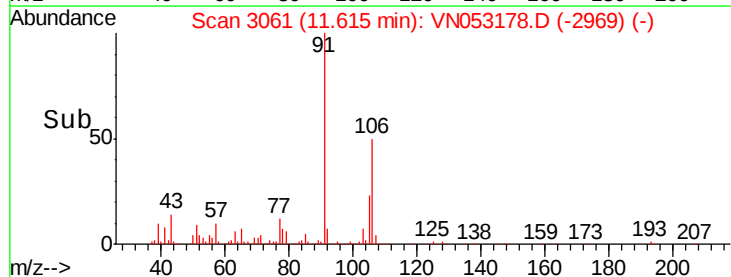
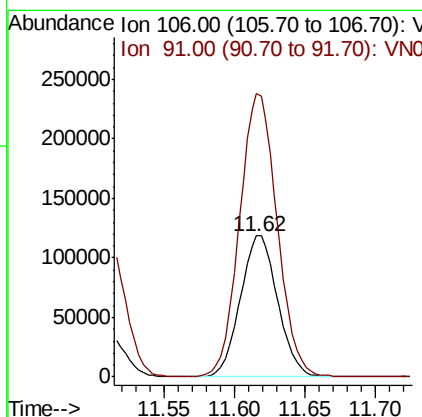
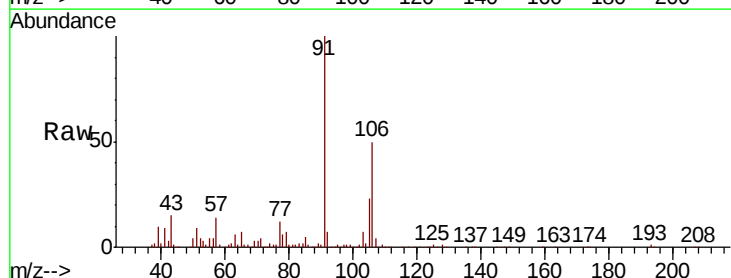
Manual Integrations
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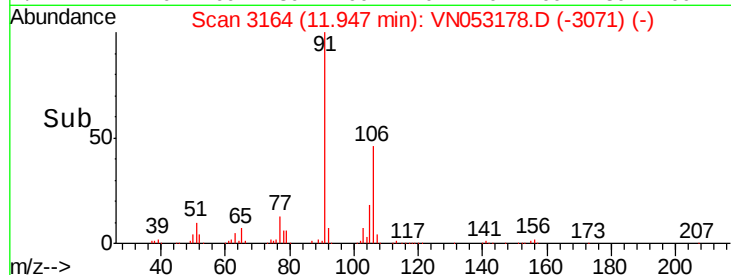
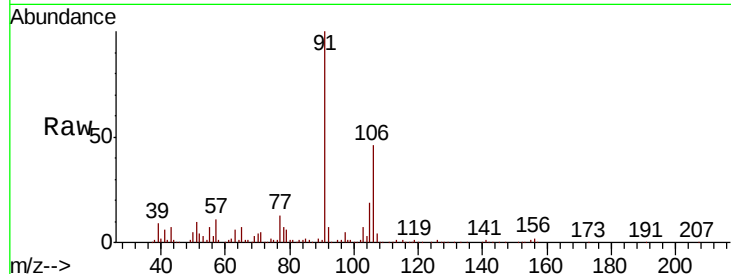
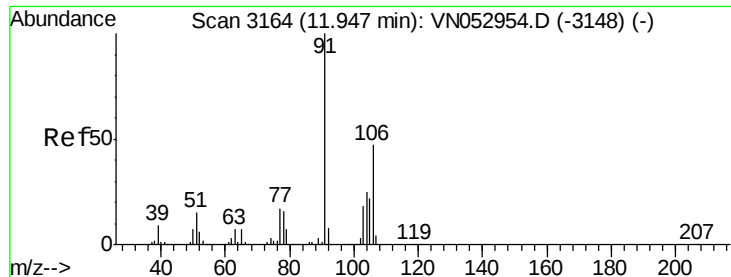
MMDadoda
12/26/2018 10:53:44 AM



#68
m/p-Xylenes
Concen: 8.713 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Tgt Ion: 106 Resp: 219790
Ion Ratio Lower Upper
106 100
91 200.6 162.2 243.4





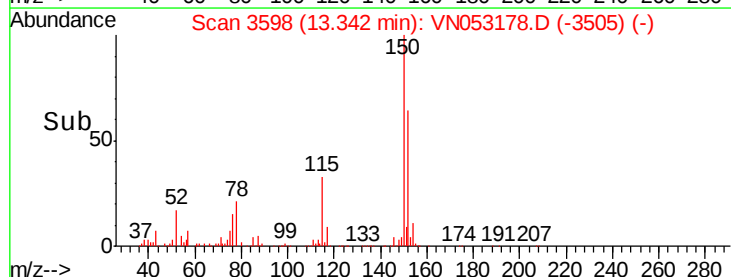
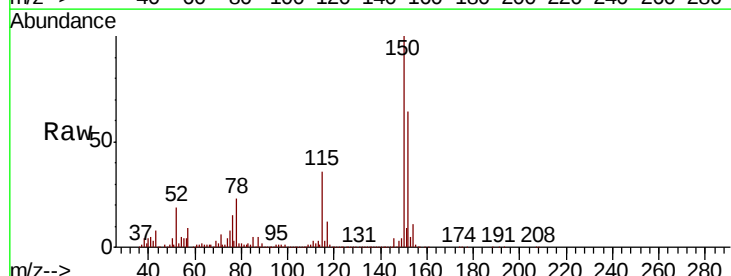
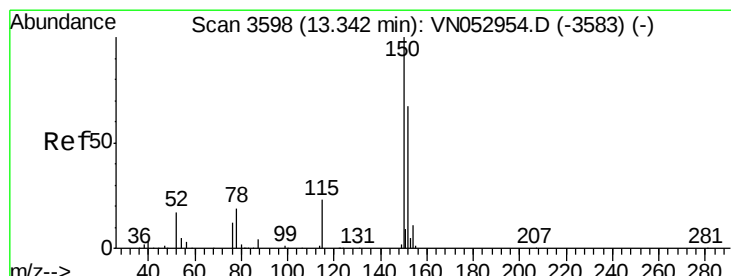
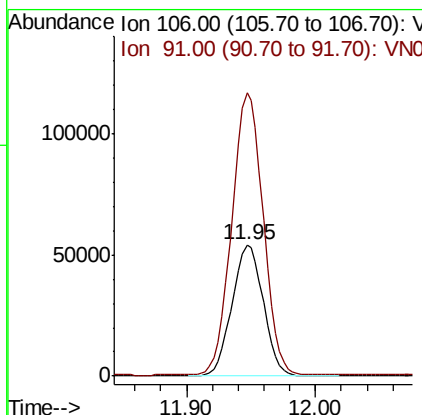
#69
o-Xylene
Concen: 3.788 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
P001-SS019-1824-01MEDL

Tot Ion:106 Resp: 91689
Ion Ratio Lower Upper
106 100
91 213.8 106.6 319.8

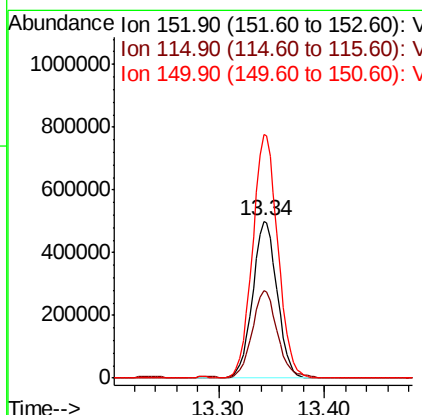
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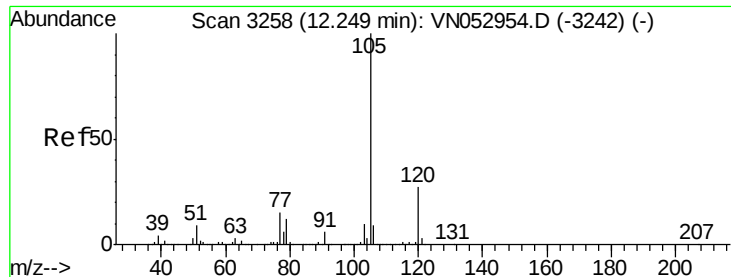
MMDadoda
12/26/2018 10:53:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Tgt Ion:152 Resp: 807889
Ion Ratio Lower Upper
152 100
115 57.5 28.3 85.0
150 160.4 0.0 347.8





#73

Isopropylbenzene

Concen: 0.727 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS019-1824-01MEDL

Tot Ion: 105 Resp: 45951

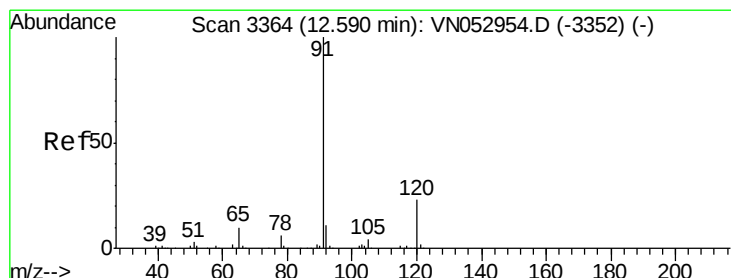
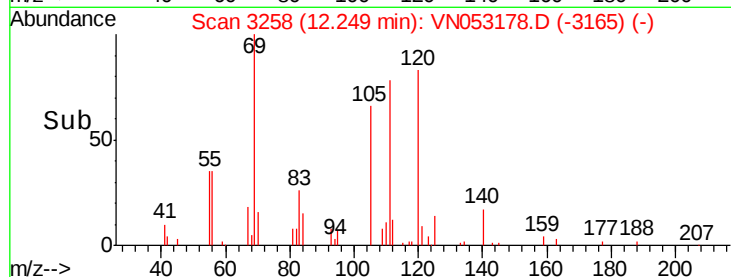
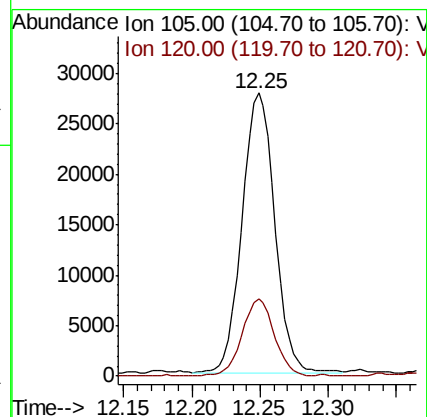
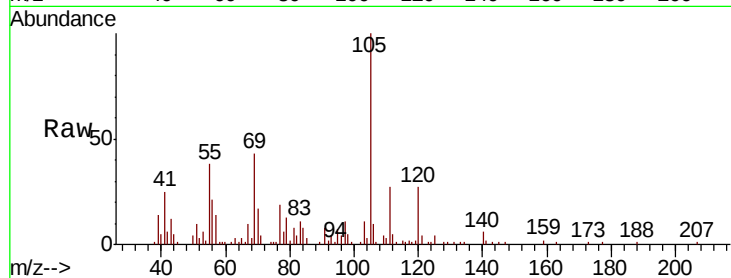
Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9

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#78

n-propylbenzene

Concen: 1.693 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053178.D

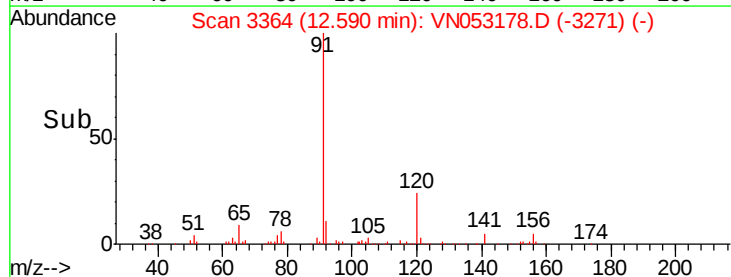
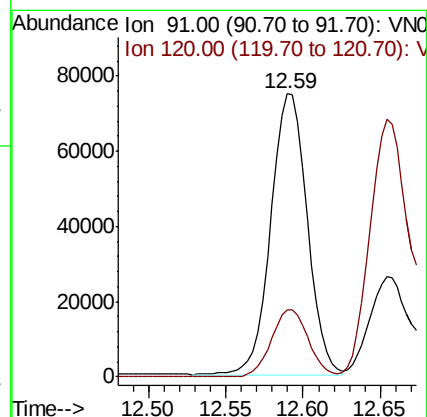
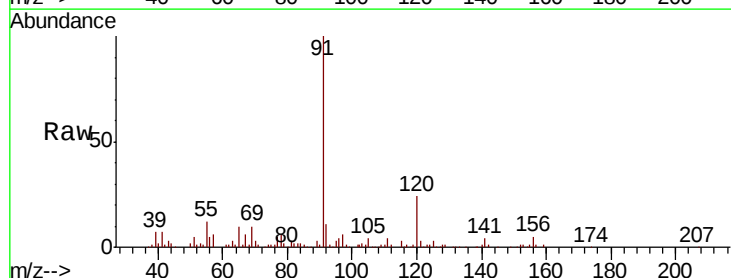
Acq: 24 Dec 2018 12:06

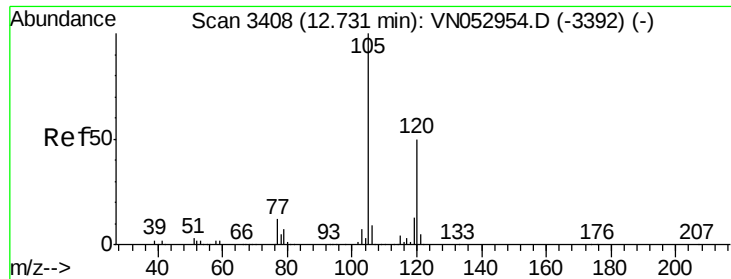
Tgt Ion: 91 Resp: 121884

Ion Ratio Lower Upper

91 100

120 24.5 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 5.044 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS019-1824-01MEDL

Tot Ion:105 Resp: 259853

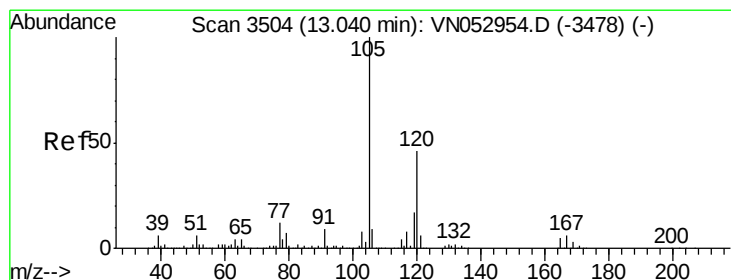
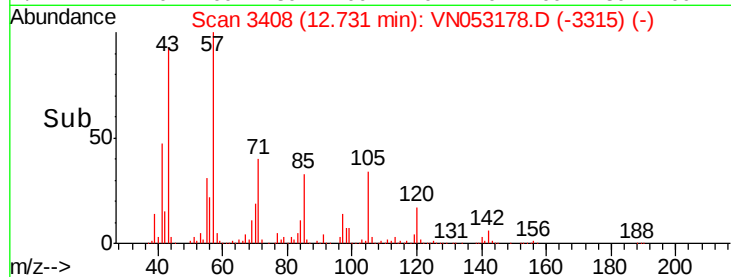
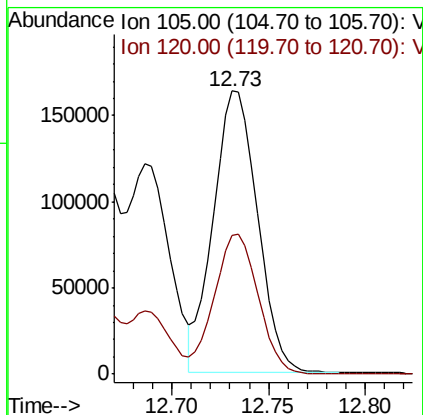
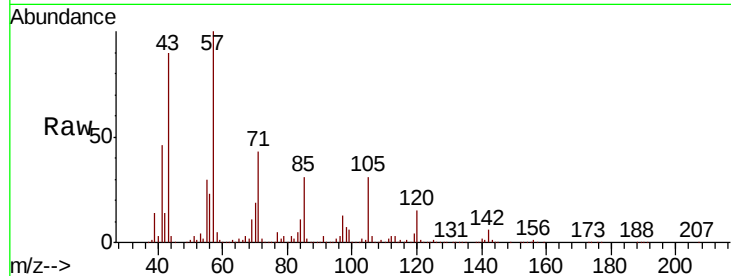
Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2

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#84

1,2,4-Trimethylbenzene

Concen: 15.785 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053178.D

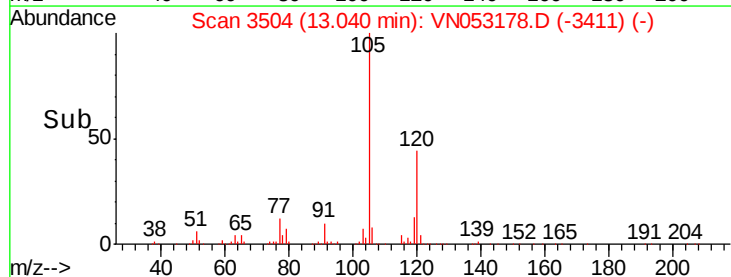
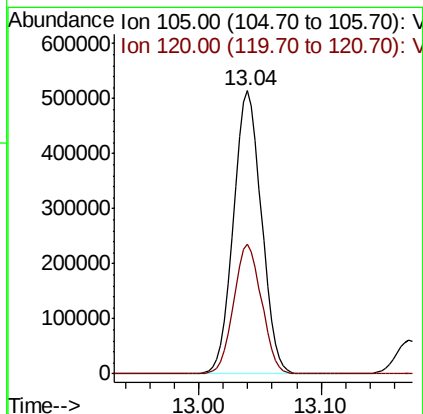
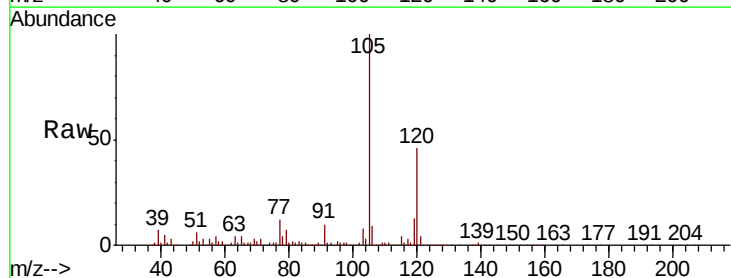
Acq: 24 Dec 2018 12:06

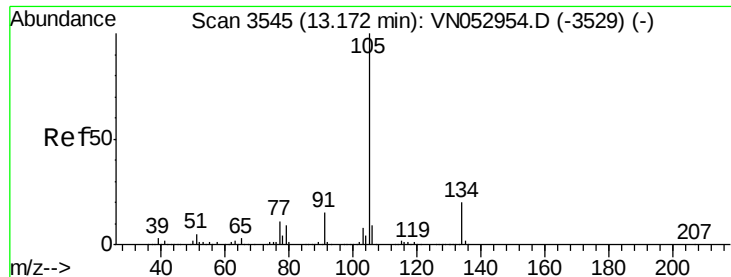
Tgt Ion:105 Resp: 817589

Ion Ratio Lower Upper

105 100

120 45.7 22.9 68.8





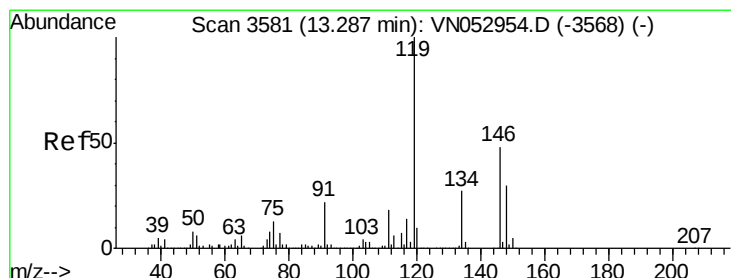
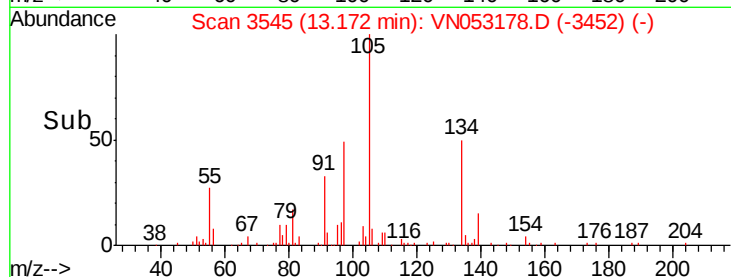
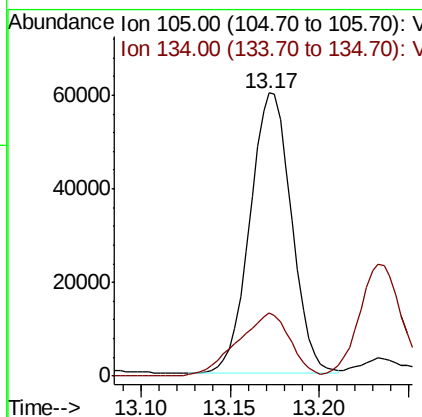
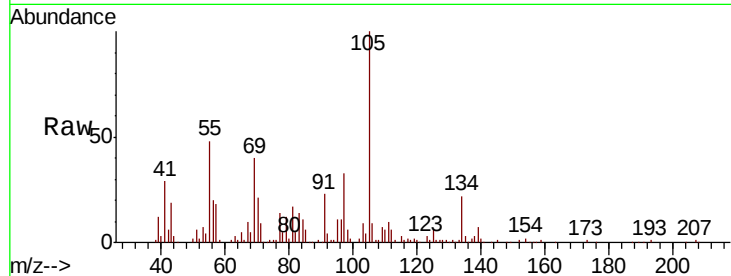
#85
 sec-Butylbenzene
 Concen: 1.587 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053178.D
 Acq: 24 Dec 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS019-1824-01MEDL

Tot Ion	Ratio	Lower	Upper
105	100		
134	28.4	10.1	30.3

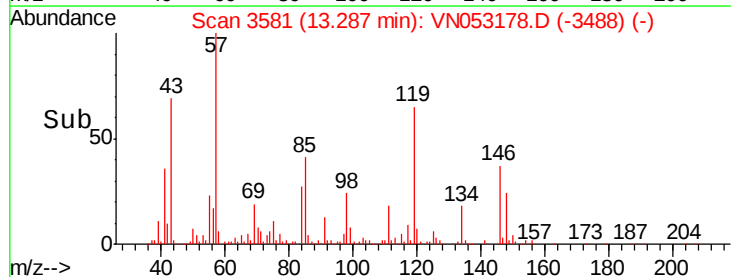
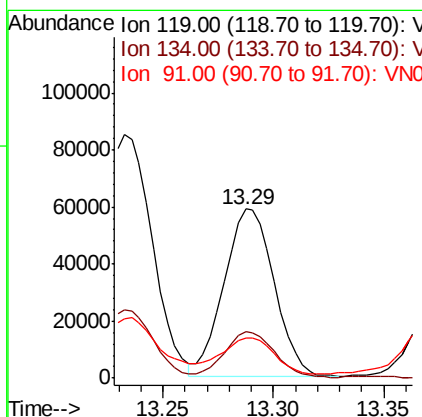
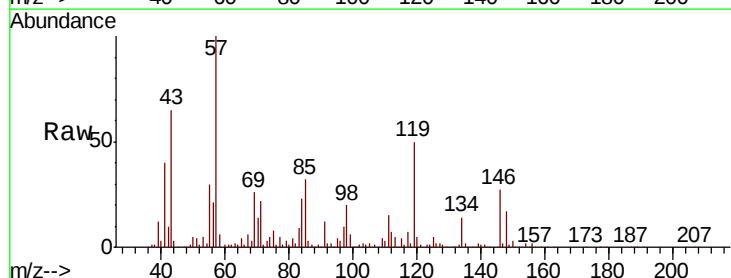
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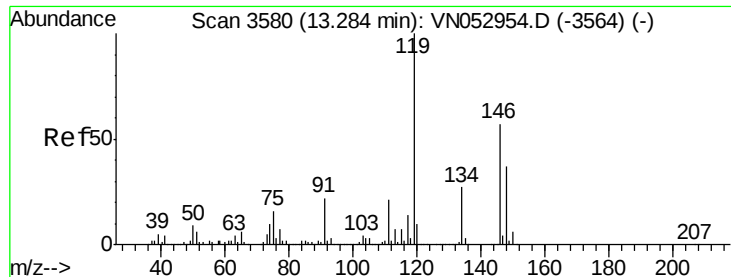
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#86
 p-Isopropyltoluene
 Concen: 1.728 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053178.D
 Acq: 24 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	22.4	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 1.992 ug/l m

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

Instrument :

MSVOA_N

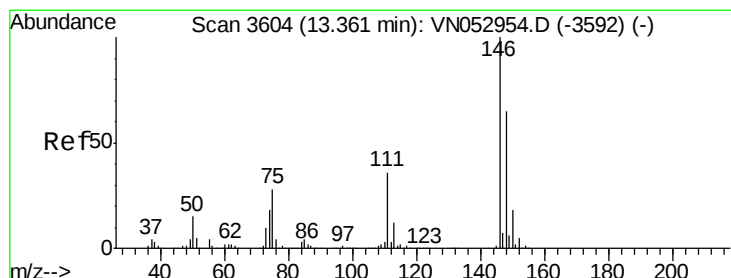
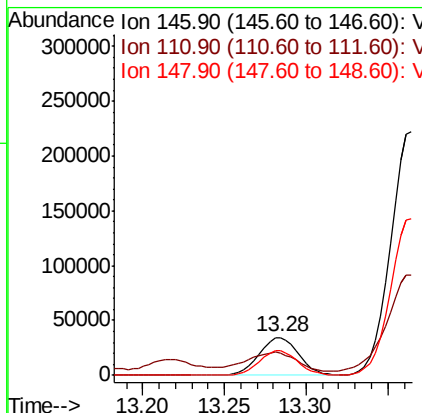
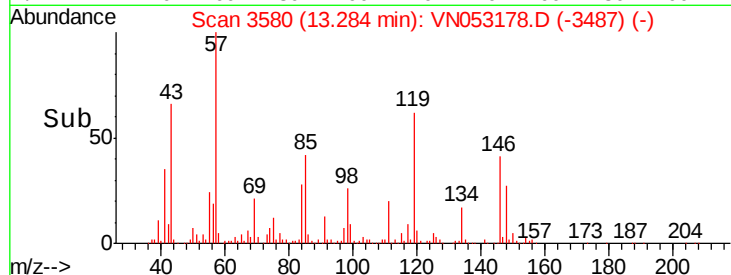
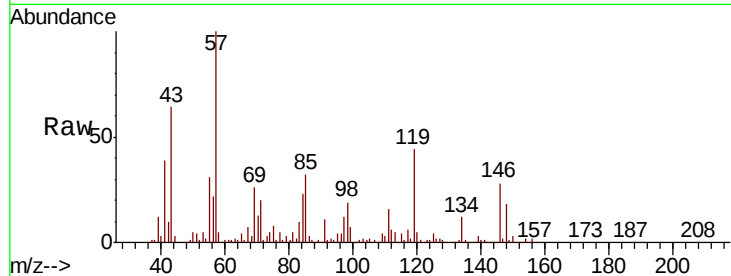
ClientSampleId :

P001-SS019-1824-01MEDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	267.2	19.1	57.1#
148	401.7	32.0	96.0#

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#88

1,4-Dichlorobenzene

Concen: 12.136 ug/l

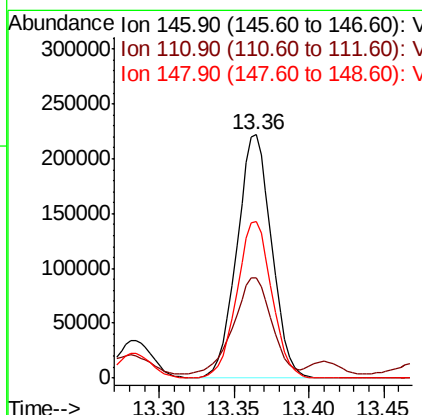
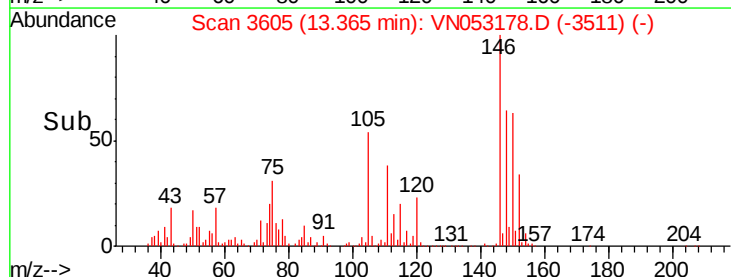
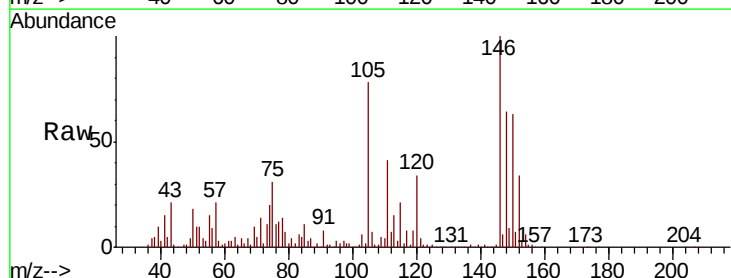
RT: 13.36 min Scan# 3605

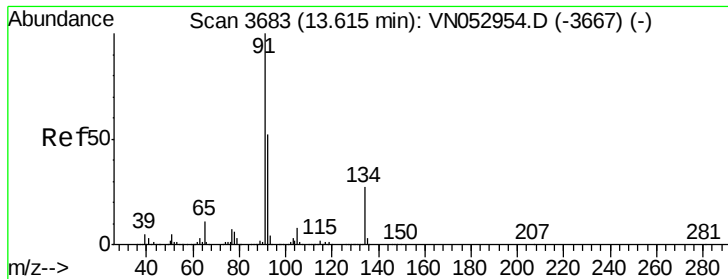
Delta R.T. 0.00 min

Lab File: VN053178.D

Acq: 24 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	18.6	55.8
148	65.1	32.1	96.5





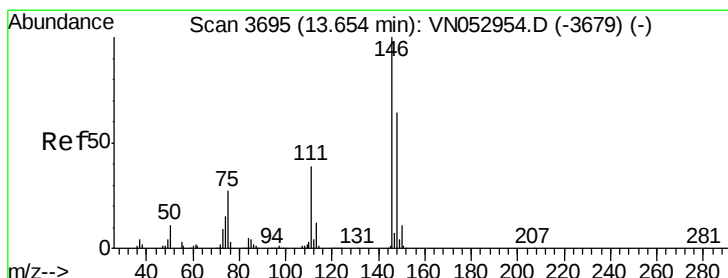
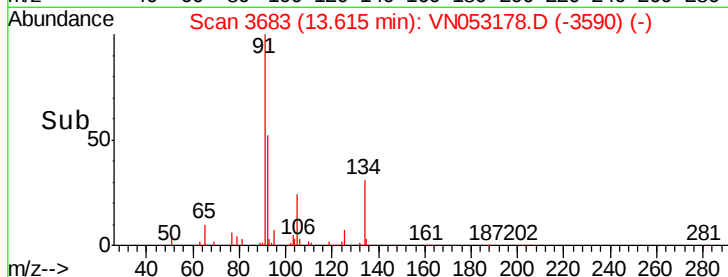
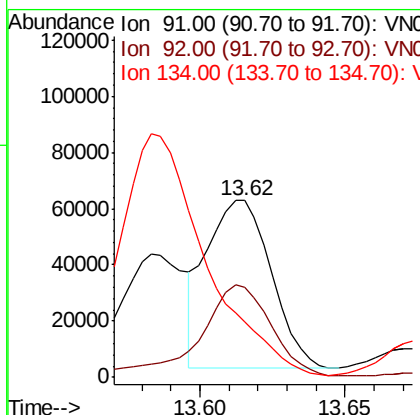
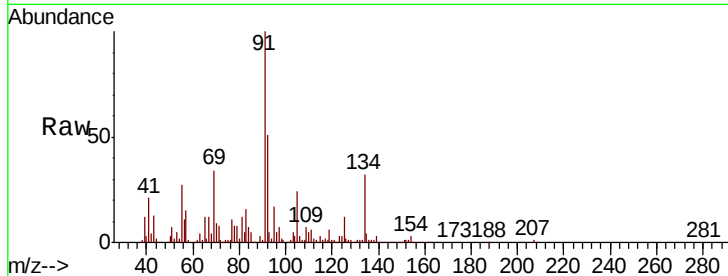
#89
n-Butylbenzene
Concen: 2.017 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
P001-SS019-1824-01MEDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	26.3	78.9
134	0.0	13.3	39.8

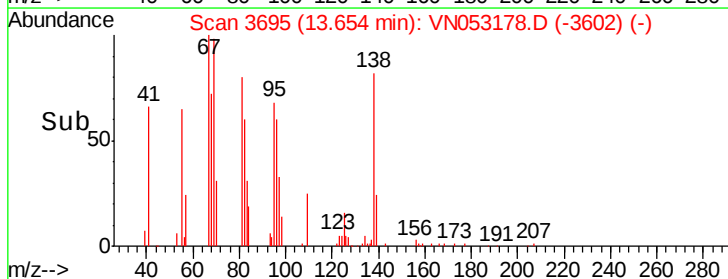
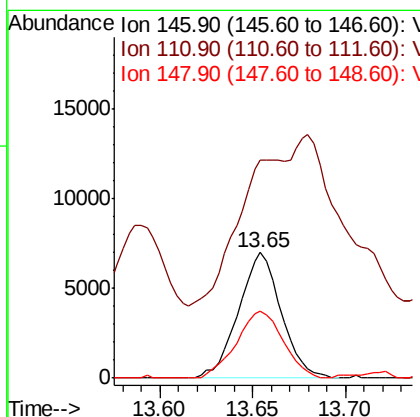
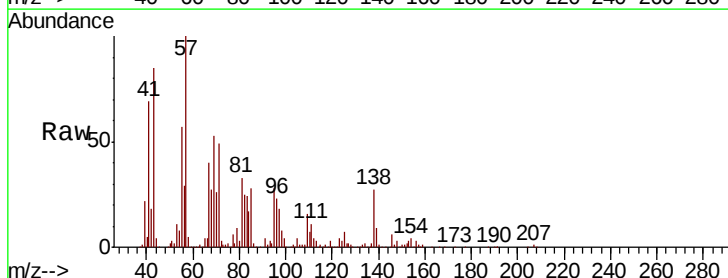
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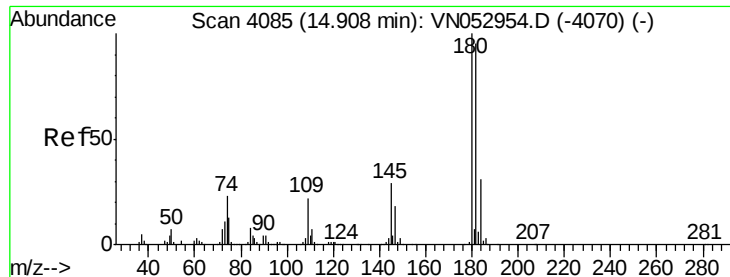
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#91
1,2-Dichlorobenzene
Concen: 0.408 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN053178.D
Acq: 24 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	124.6	19.7	59.0
148	58.4	32.0	96.0





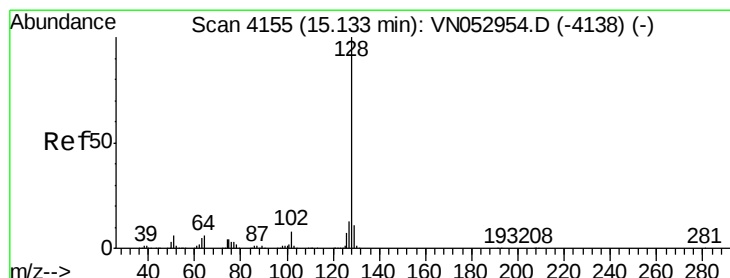
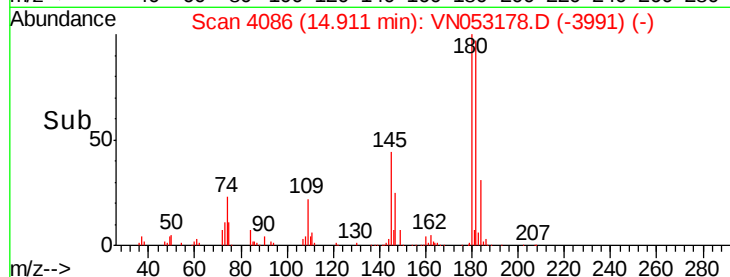
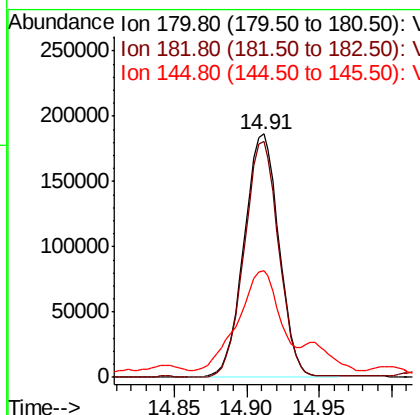
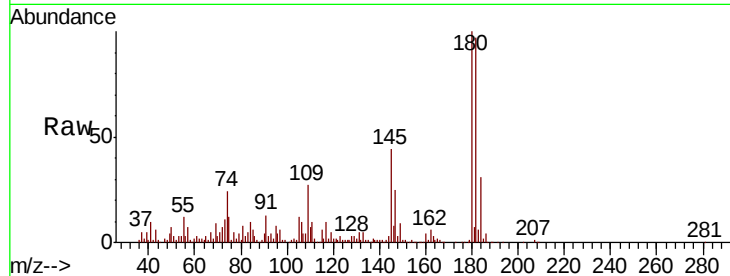
#93
 1,2,4-Trichlorobenzene
 Concen: 21.821 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053178.D
 Acq: 24 Dec 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS019-1824-01MEDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.3
145	49.8	14.2	42.6

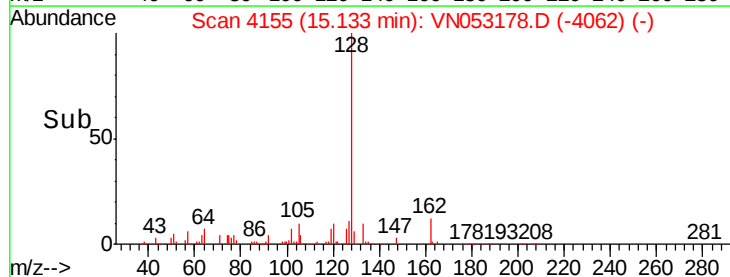
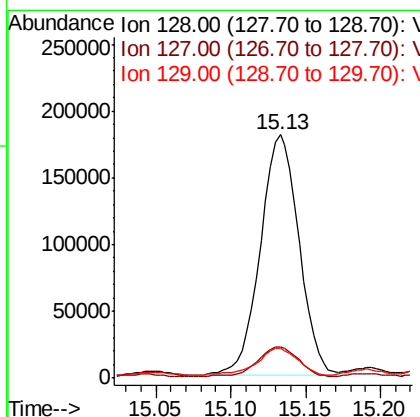
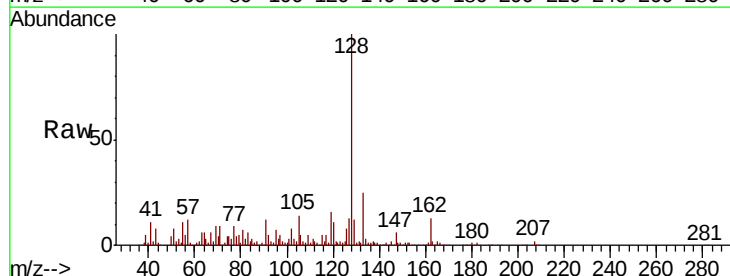
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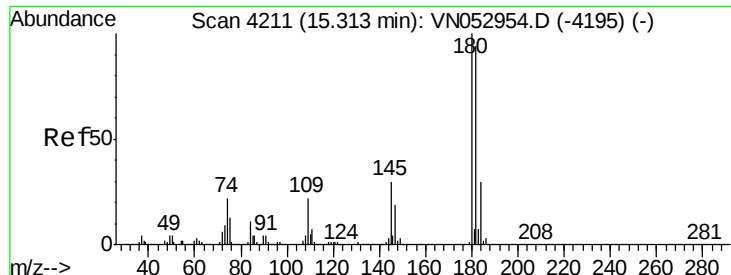
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#95
 Naphthalene
 Concen: 11.041 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053178.D
 Acq: 24 Dec 2018 12:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.6	8.6	13.0





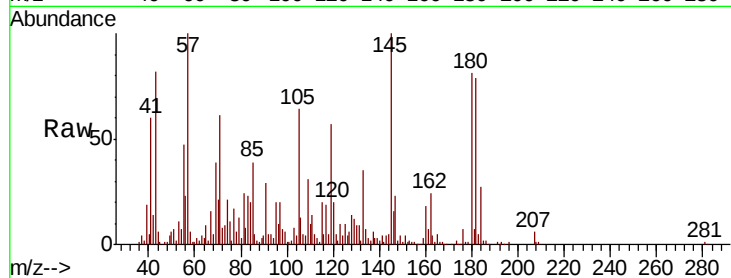
#96
 1,2,3-Trichlorobenzene
 Concen: 6.505 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053178.D
 Acq: 24 Dec 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS019-1824-01MEDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.9	143.7
145	96.3	15.0	45.0

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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

