

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059627.D
 Acq On : 17 Dec 2019 16:14
 Operator : JC/SP
 Sample : K6294-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Dec 18 05:48:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

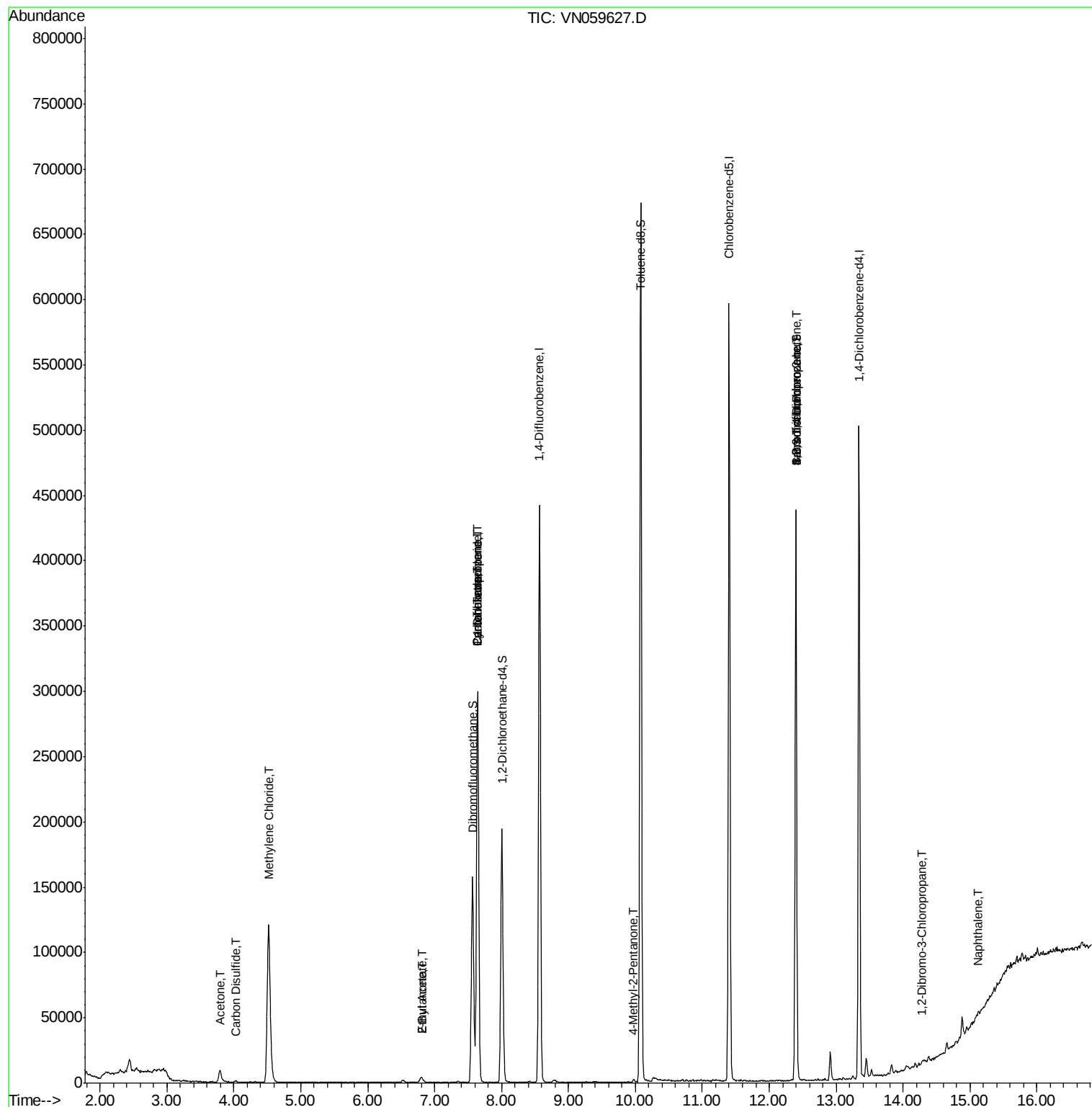
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	233622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	376364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126311	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	169516	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
35) Dibromofluoromethane	7.57	113	118532	50.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.68%	
50) Toluene-d8	10.08	98	460856	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	148645	43.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.38%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	16153	8.003	ug/l	100
17) Carbon Disulfide	4.03	76	1557	2.055	ug/l #	75
20) Methylene Chloride	4.52	84	91551	31.407	ug/l	99
25) 2-Butanone	6.82	43	3543	1.468	ug/l	98
31) Cyclohexane	7.63	56	5510	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	19802	5.045	ug/l #	49
37) Ethyl Acetate	6.82	43	3543	0.777	ug/l #	69
38) Carbon Tetrachloride	7.64	117	23505	5.771	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	1532	0.362	ug/l #	84
71) Bromoform	12.40	173	787	0.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	79097	25.296	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79097	62.477	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60	1.692	ug/l #	6
95) Naphthalene	15.12	128	2154	0.253	ug/l #	89

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121719\
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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 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: VN059627.D

Acq: 17 Dec 2019 16:14

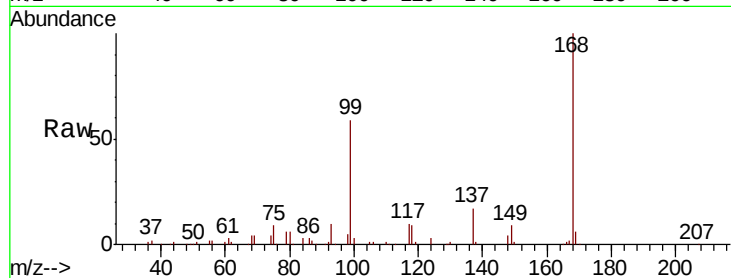
Instrument :
MSVOA_N
ClientSampled :
TP-2

Tot Ion:168 Resp: 233622

Ion Ratio Lower Upper

168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

40000

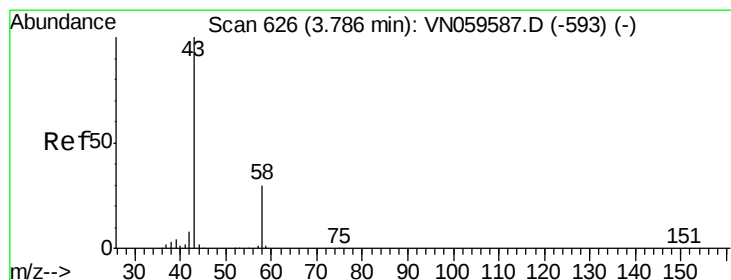
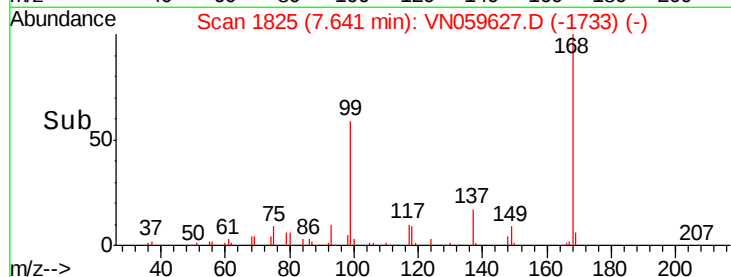
20000

0

7.60

7.70

Time-->



#16

Acetone

Concen: 8.003 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059627.D

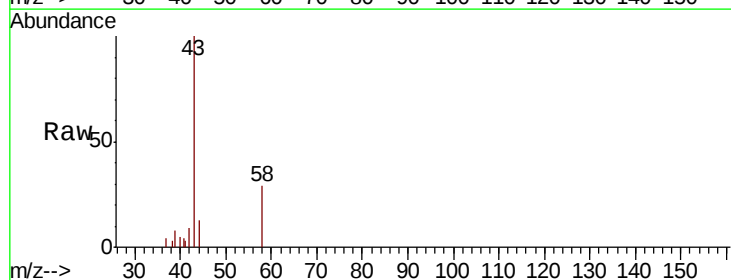
Acq: 17 Dec 2019 16:14

Tgt Ion: 43 Resp: 16153

Ion Ratio Lower Upper

43 100

58 29.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

6000

4000

2000

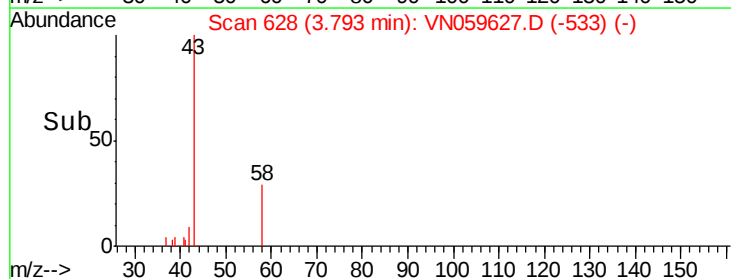
0

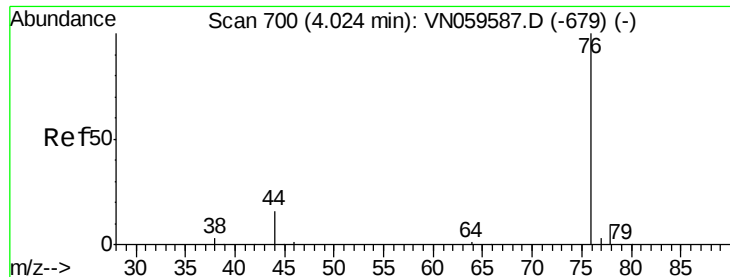
3.70

3.80

3.90

Time-->





#17

Carbon Disulfide

Concen: 2.055 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

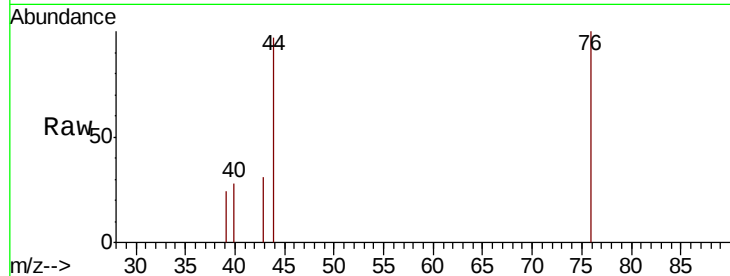
TP-2

Tot Ion: 76 Resp: 1557

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

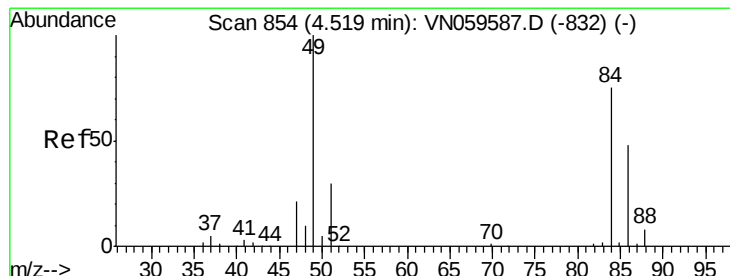
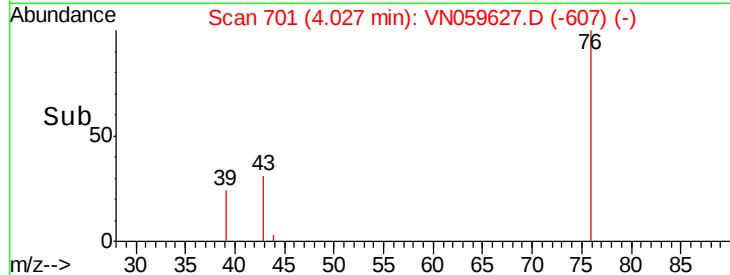
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 31.407 ug/l

RT: 4.52 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

Tgt Ion: 84 Resp: 91551

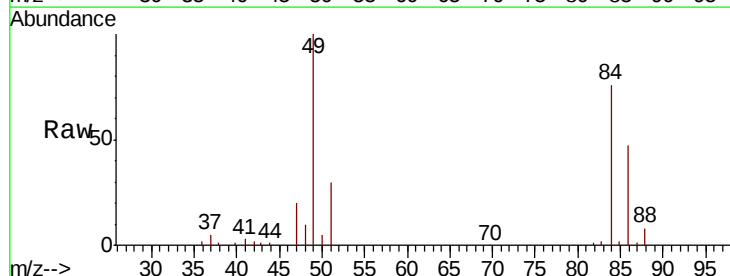
Ion Ratio Lower Upper

84 100

49 132.2 106.6 160.0

51 39.2 31.9 47.9

86 61.5 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

60000

50000

40000

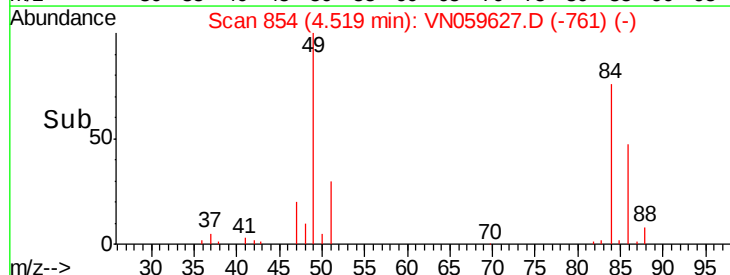
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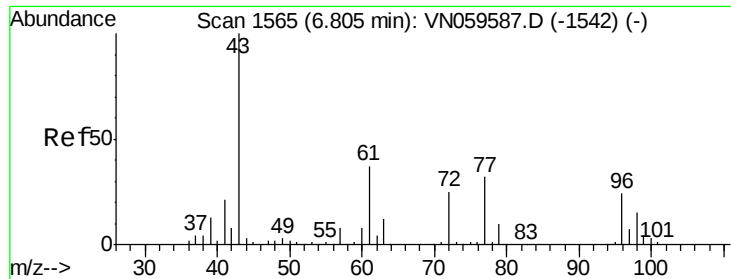
20000

10000

0

Time-->

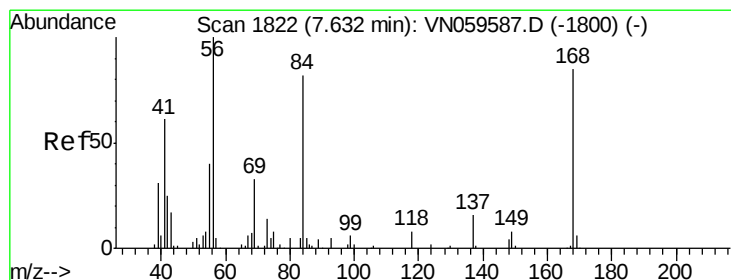
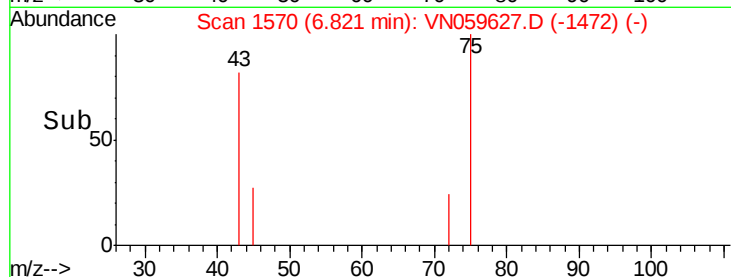
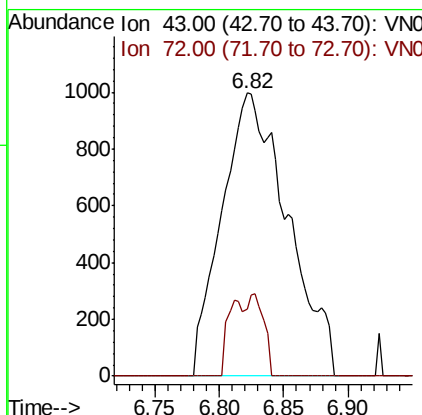
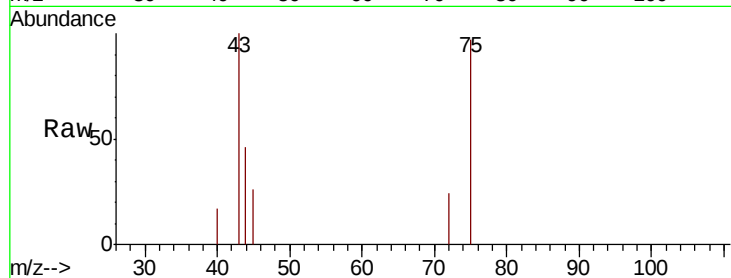




#25
2-Butanone
Concen: 1.468 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059627.D
Acq: 17 Dec 2019 16:14

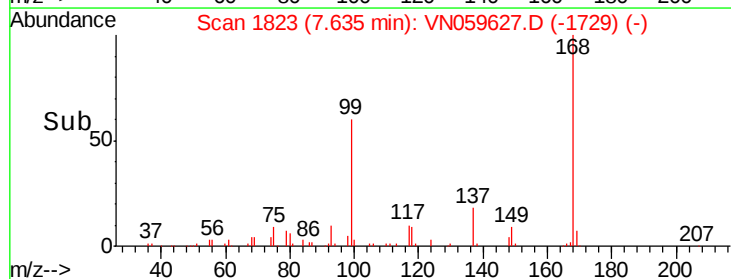
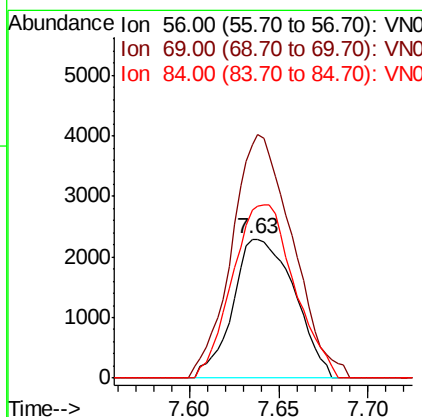
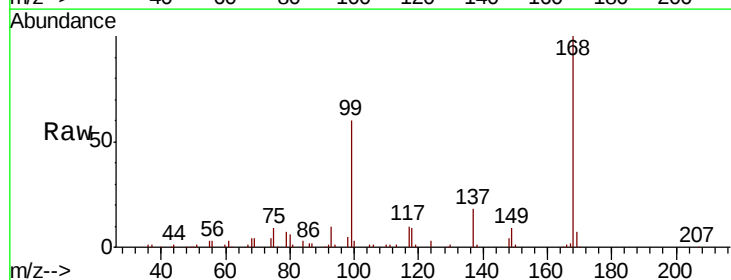
Instrument :
MSVOA_N
ClientSampled :
TP-2

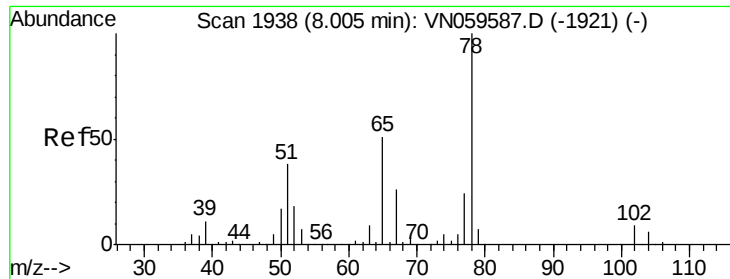
Tot Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
72 23.8 19.9 29.9



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059627.D
Acq: 17 Dec 2019 16:14

Tgt Ion: 56 Resp: 5510
Ion Ratio Lower Upper
56 100
69 168.3 26.5 39.7#
84 120.9 65.3 97.9#

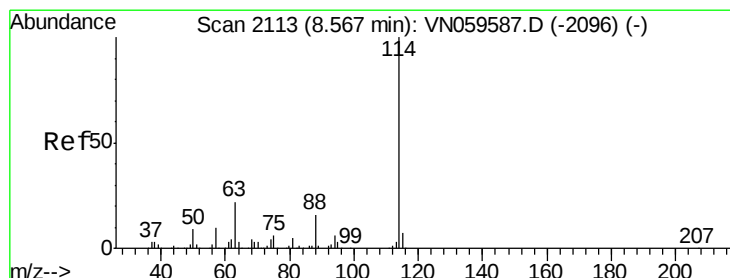
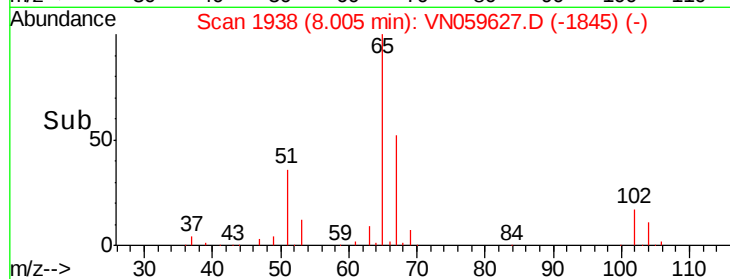
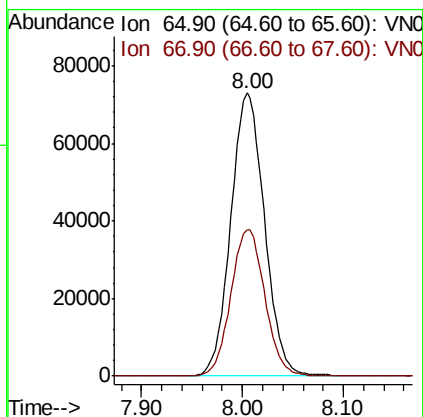
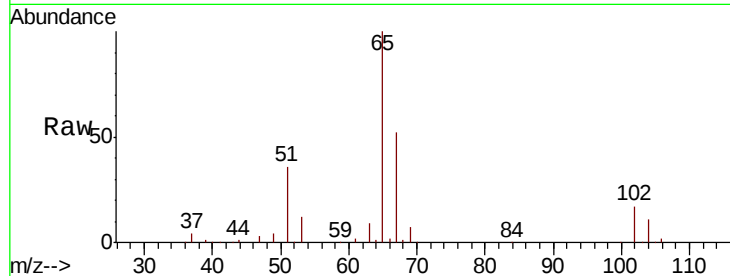




#33
 1,2-Dichloroethane-d4
 Concen: 49.864 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059627.D
 Acq: 17 Dec 2019 16:14

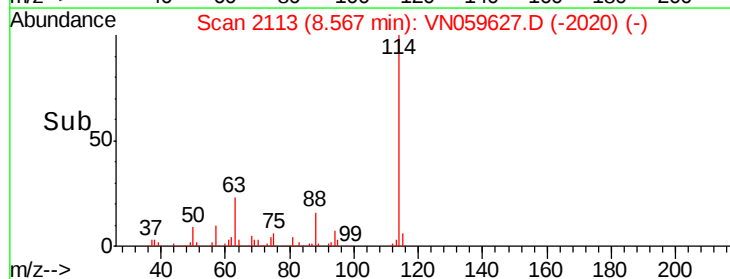
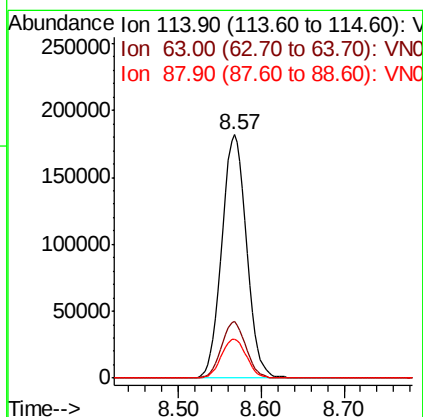
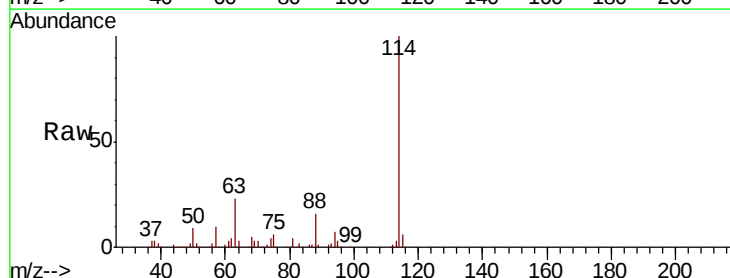
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

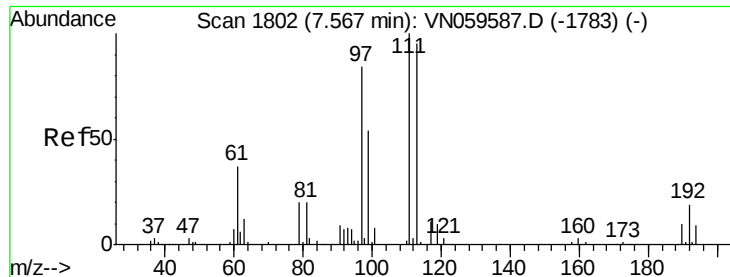
Tot Ion: 65 Resp: 169516
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059627.D
 Acq: 17 Dec 2019 16:14

Tgt Ion: 114 Resp: 376364
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 43.6
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.335 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

TP-2

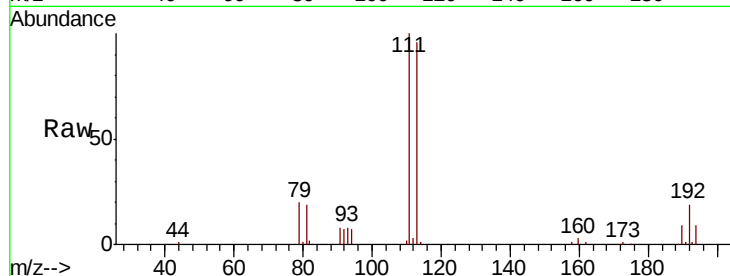
Tot Ion:113 Resp: 118532

Ion Ratio Lower Upper

113 100

111 103.7 83.5 125.3

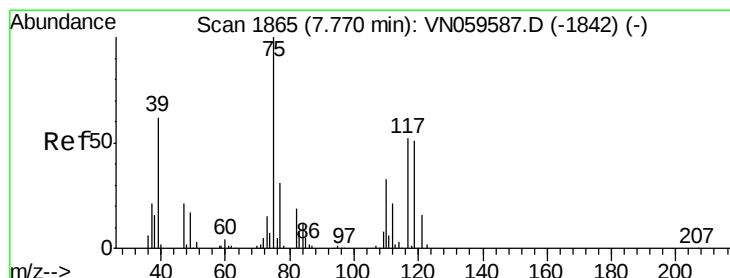
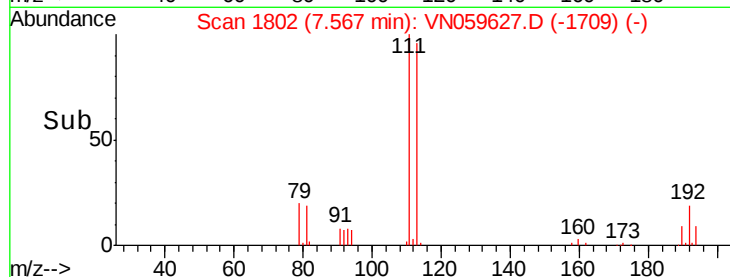
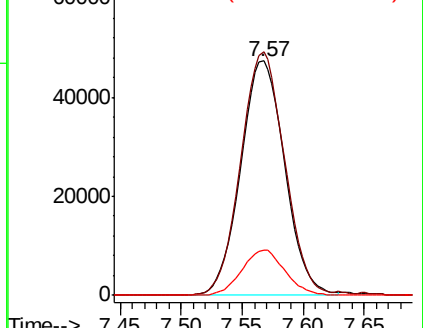
192 19.0 15.4 23.2



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: 5.045 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

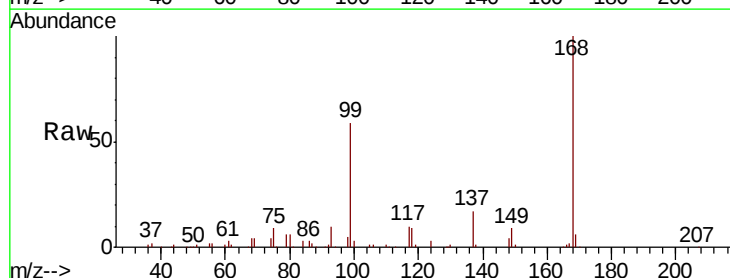
Tgt Ion: 75 Resp: 19802

Ion Ratio Lower Upper

75 100

110 7.4 16.6 49.7#

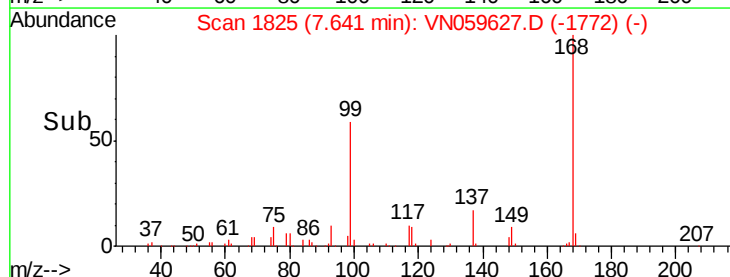
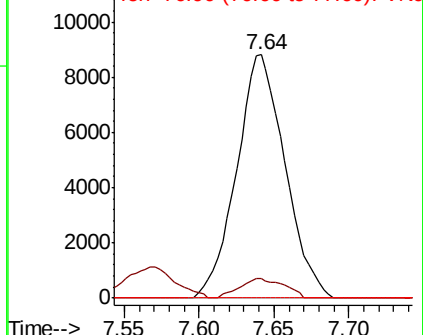
77 0.0 25.1 37.7#

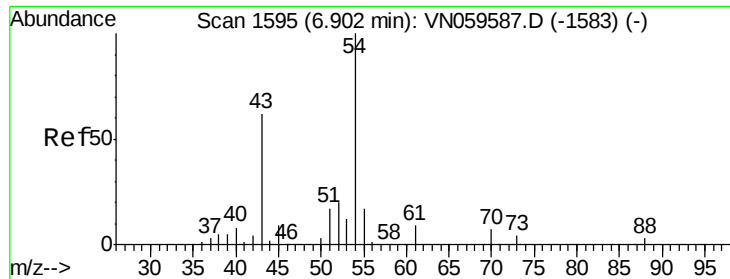


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

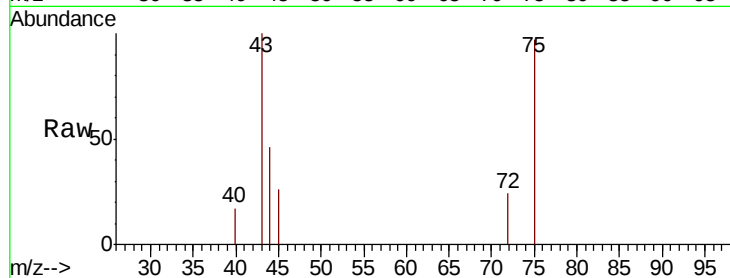




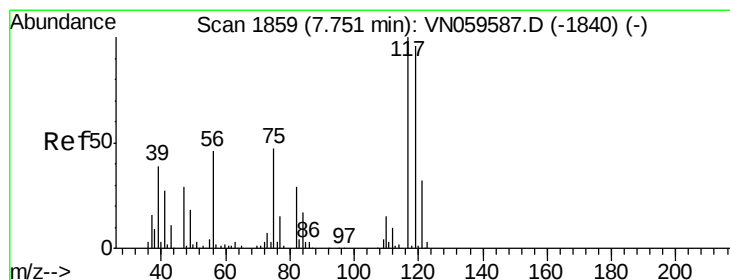
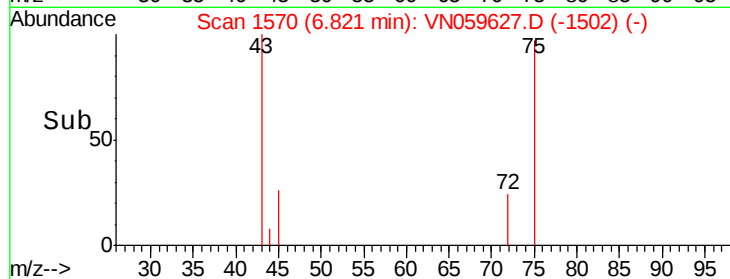
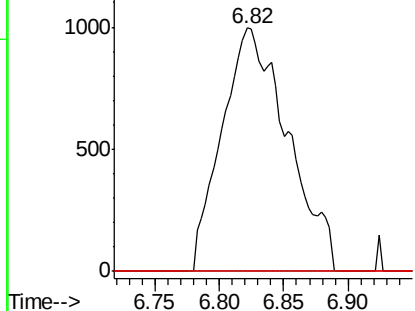
#37
Ethyl Acetate
Concen: 0.777 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.08 min
Lab File: VN059627.D
Acq: 17 Dec 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
TP-2

Tot Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#

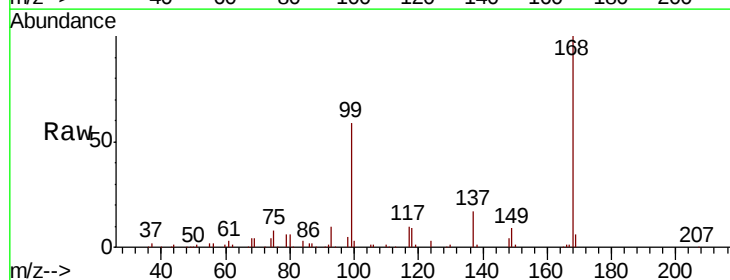


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

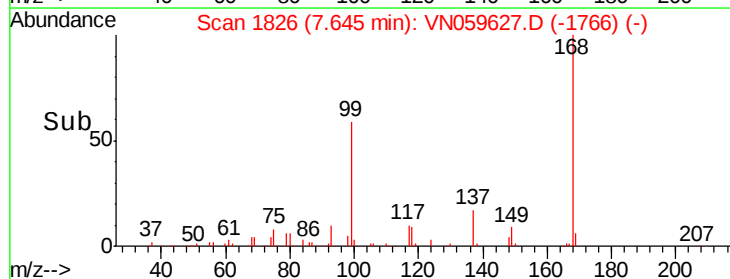
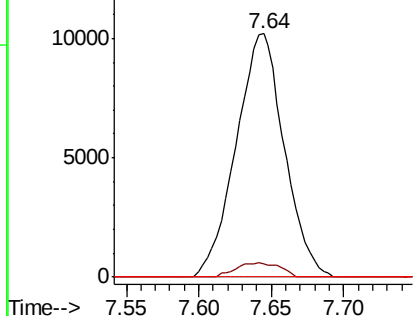


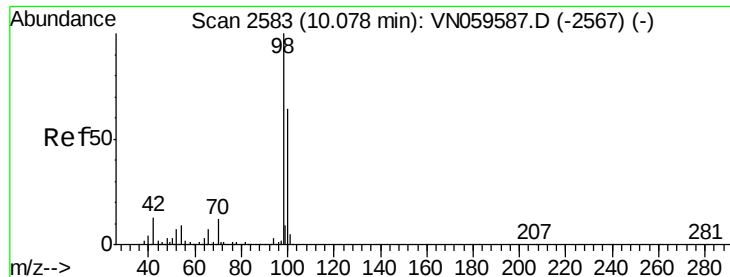
#38
Carbon Tetrachloride
Concen: 5.771 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059627.D
Acq: 17 Dec 2019 16:14

Tgt Ion: 117 Resp: 23505
Ion Ratio Lower Upper
117 100
119 5.4 76.5 114.7#
121 0.0 25.1 37.7#



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

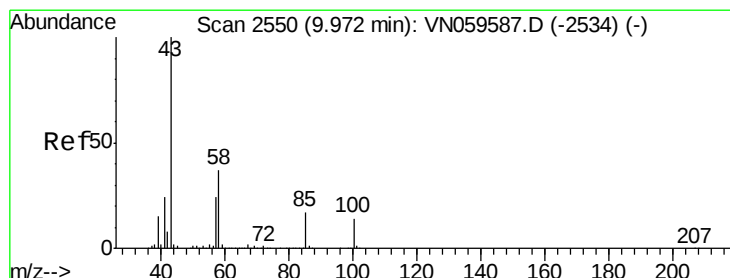
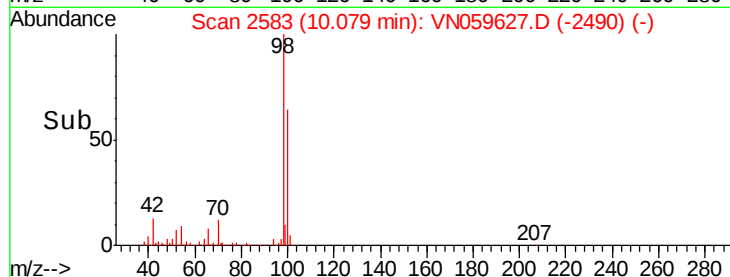
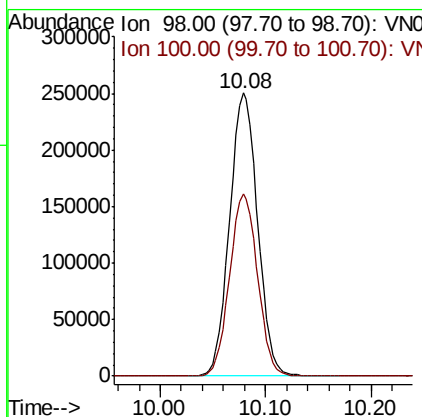
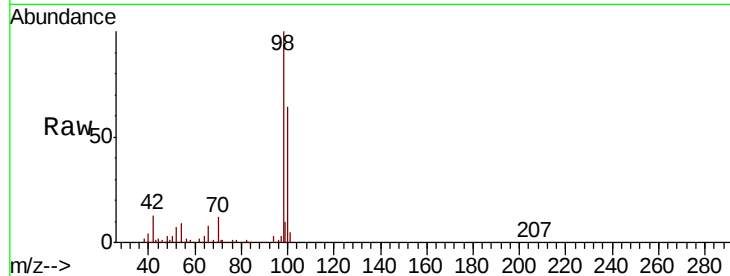




#50
Toluene-d8
Concen: 49.431 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059627.D
Acq: 17 Dec 2019 16:14

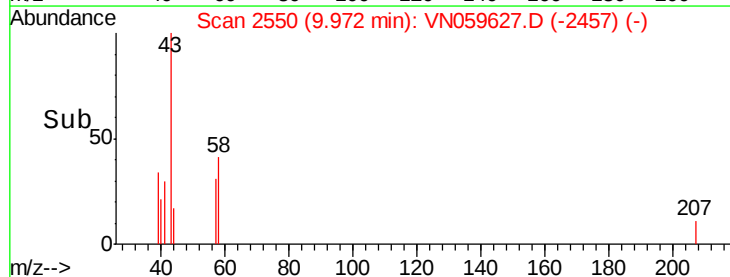
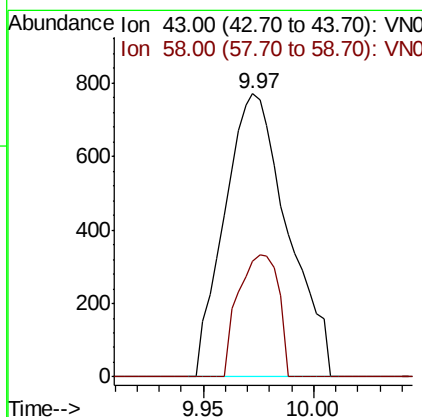
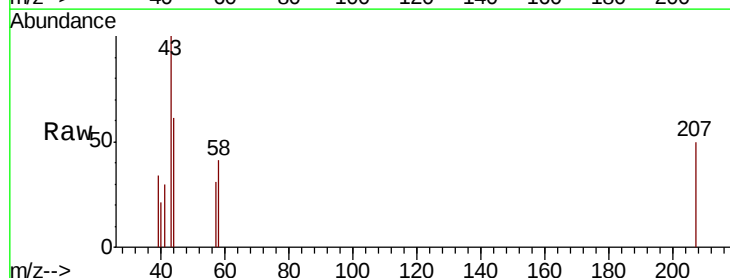
Instrument :
MSVOA_N
ClientSampled :
TP-2

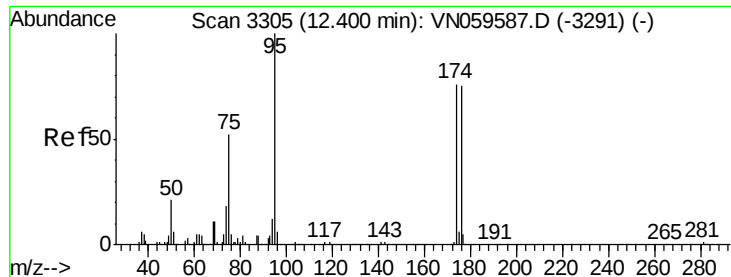
Tot Ion: 98 Resp: 460856
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.362 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059627.D
Acq: 17 Dec 2019 16:14

Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
58 27.5 29.8 44.8#





#62

4-Bromofluorobenzene

Concen: 43.694 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

TP-2

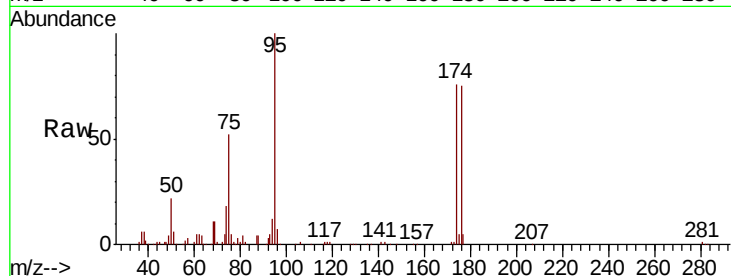
Tot Ion: 95 Resp: 148645

Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.4

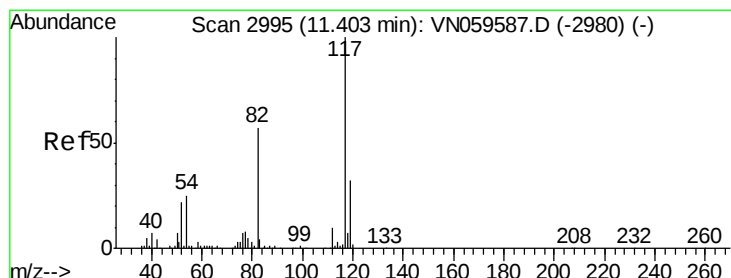
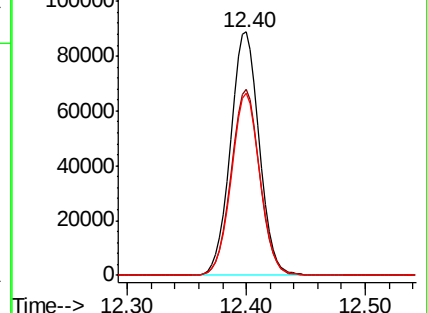
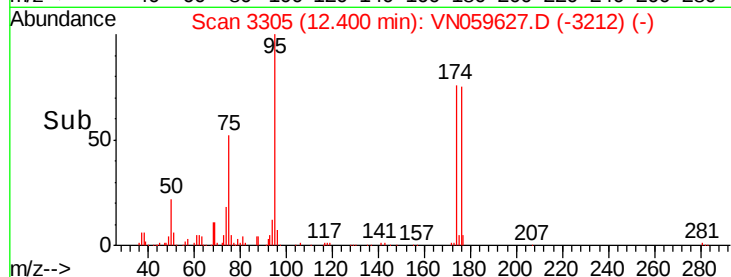
176 74.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059627.D (-2902) (-)

Ion 173.80 (173.50 to 174.50): VN059627.D (-2902) (-)

Ion 175.80 (175.50 to 176.50): VN059627.D (-2902) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

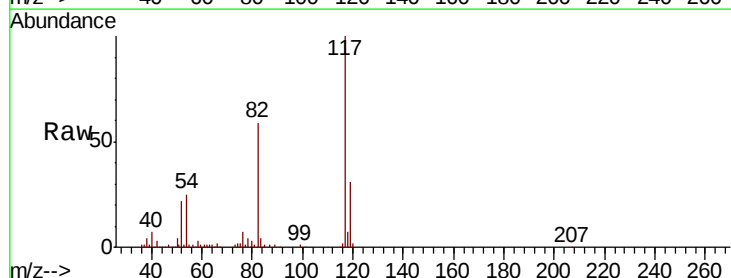
Tgt Ion: 117 Resp: 330097

Ion Ratio Lower Upper

117 100

82 58.9 45.9 68.9

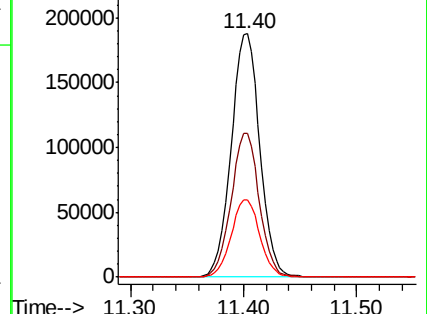
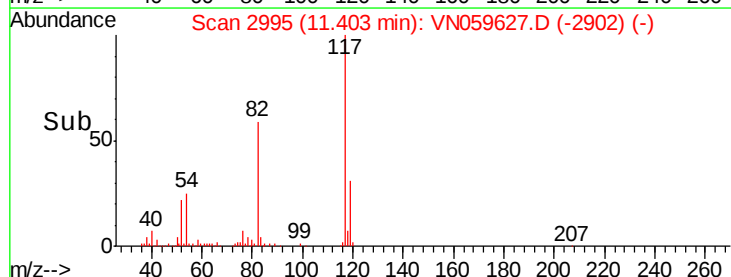
119 31.5 25.5 38.3

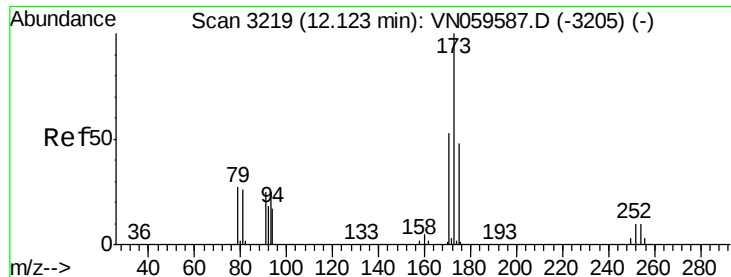


Abundance Ion 116.90 (116.60 to 117.60): VN059627.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059627.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059627.D (-2902) (-)





#71

Bromoform

Concen: 0.386 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

TP-2

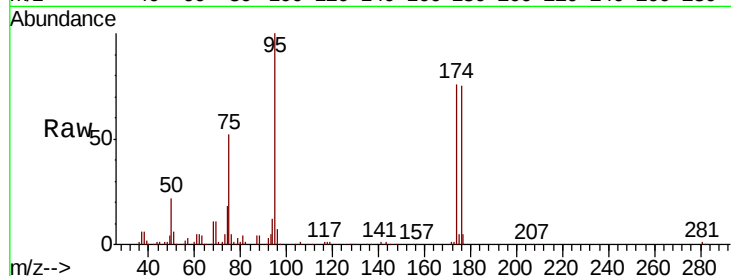
Tot Ion:173 Resp: 787

Ion Ratio Lower Upper

173 100

175 880.7 23.8 71.4#

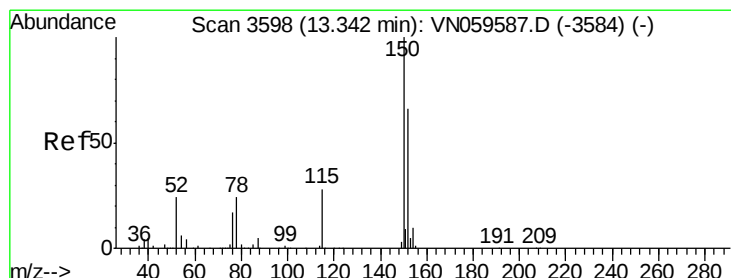
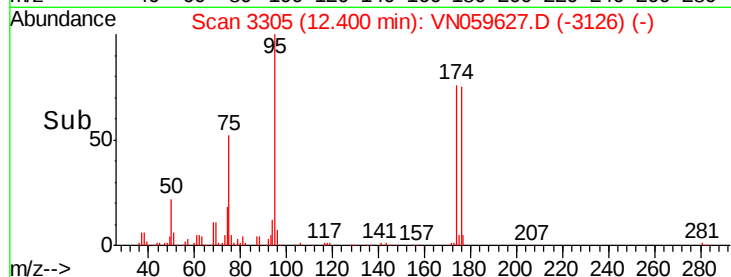
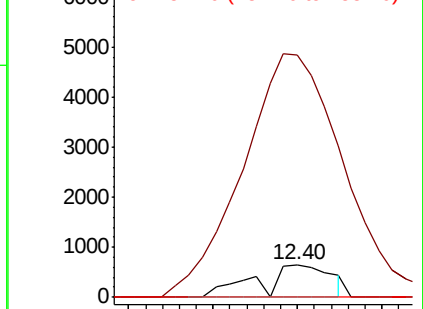
254 0.0 0.0 0.0



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: VN059627.D

Acq: 17 Dec 2019 16:14

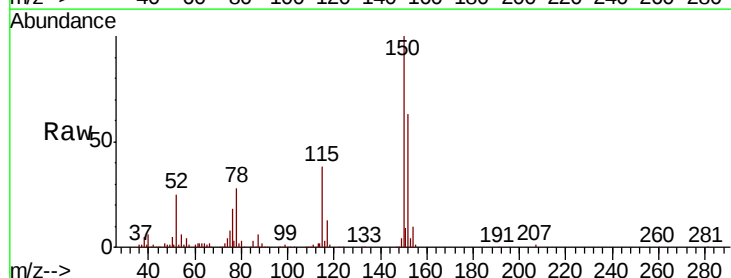
Tgt Ion:152 Resp: 126311

Ion Ratio Lower Upper

152 100

115 61.5 30.3 90.9

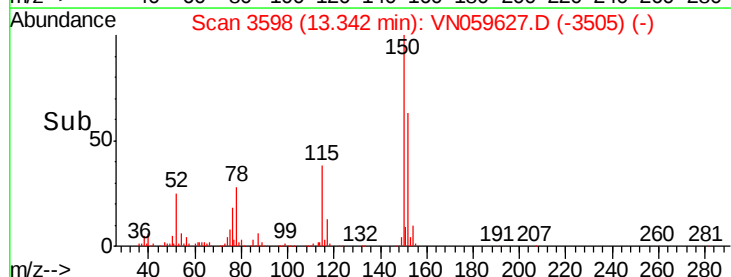
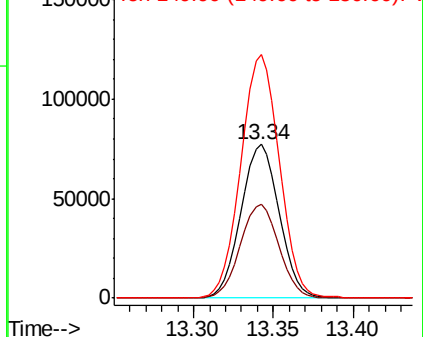
150 159.7 0.0 345.2

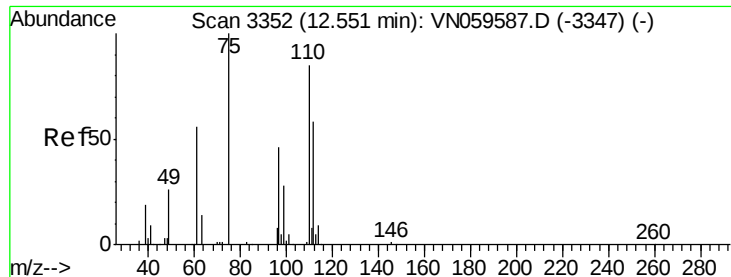


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.296 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

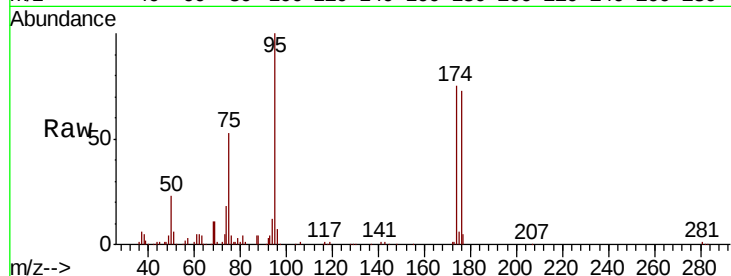
TP-2

Tot Ion: 75 Resp: 79097

Ion Ratio Lower Upper

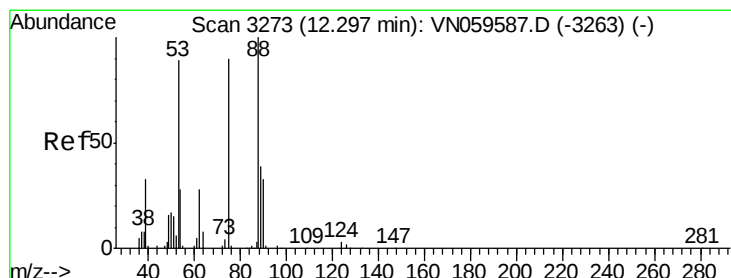
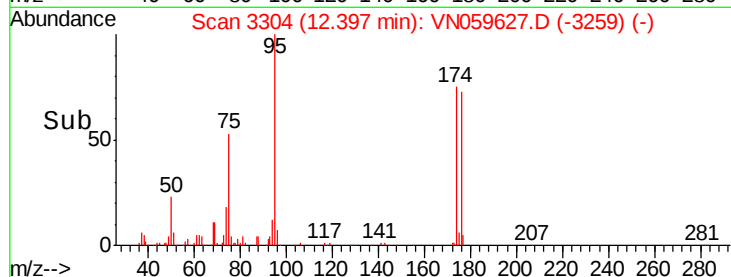
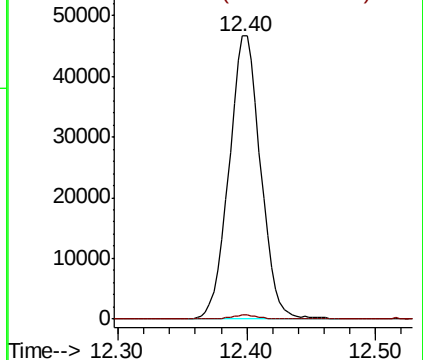
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.477 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

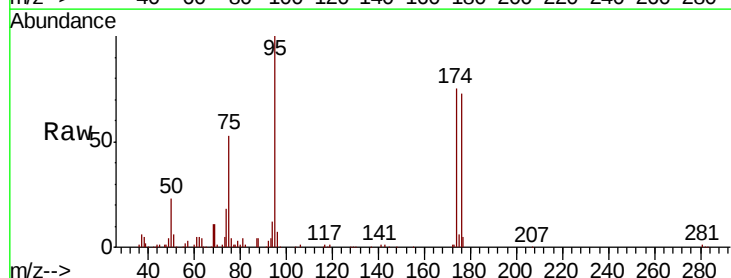
Tgt Ion: 75 Resp: 79097

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

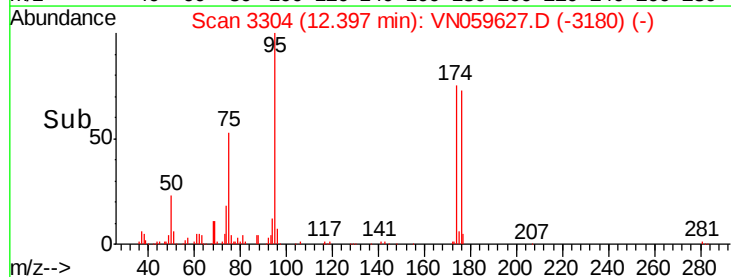
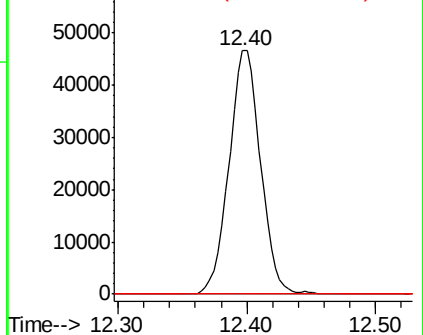
89 0.0 35.4 53.2#

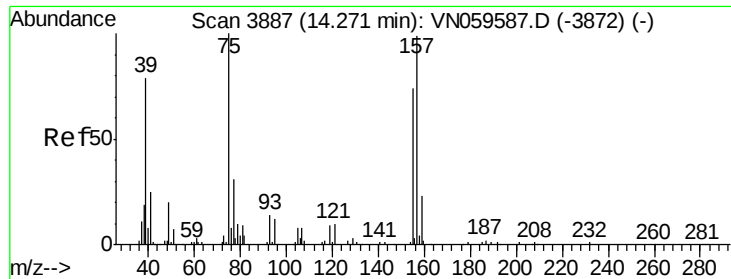


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.692 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

TP-2

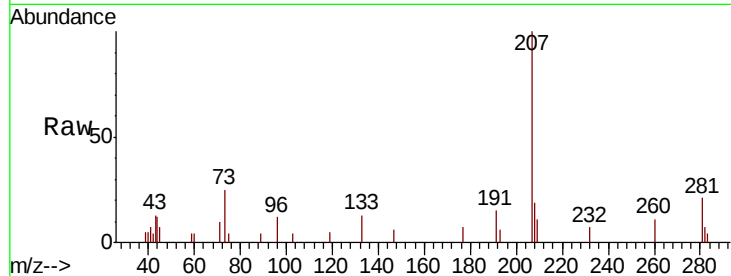
Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



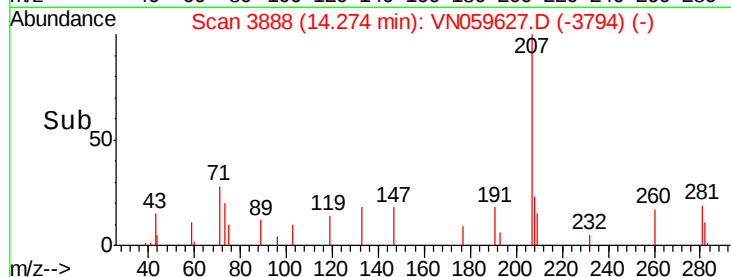
Abundance Ion 74.90 (74.60 to 75.60): VN059627.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN059627.D (-3872) (-)

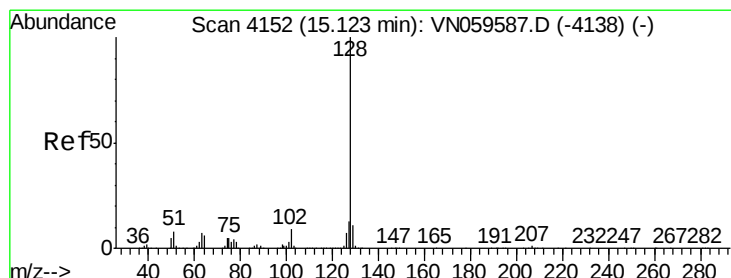
Ion 156.80 (156.50 to 157.50): VN059627.D (-3872) (-)

14.27

14.28



Time-->



#95

Naphthalene

Concen: 0.253 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059627.D

Acq: 17 Dec 2019 16:14

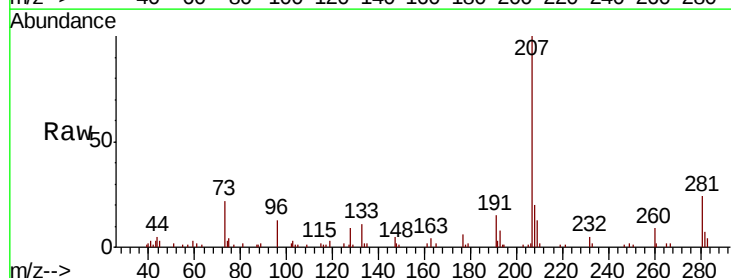
Tgt Ion: 128 Resp: 2154

Ion Ratio Lower Upper

128 100

127 10.3 10.4 15.6#

129 4.7 8.6 12.8#



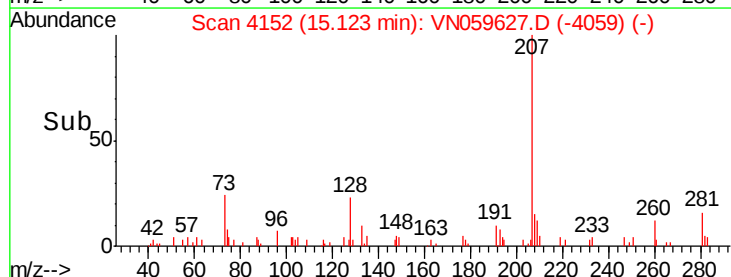
Abundance Ion 128.00 (127.70 to 128.70): VN059627.D (-4059) (-)

Ion 127.00 (126.70 to 127.70): VN059627.D (-4059) (-)

Ion 129.00 (128.70 to 129.70): VN059627.D (-4059) (-)

15.12

15.15



Time-->