

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061795.D
 Acq On : 12 Jun 2020 16:47
 Operator : JC/MD
 Sample : L2989-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20200609

Quant Time: Jun 13 05:13:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

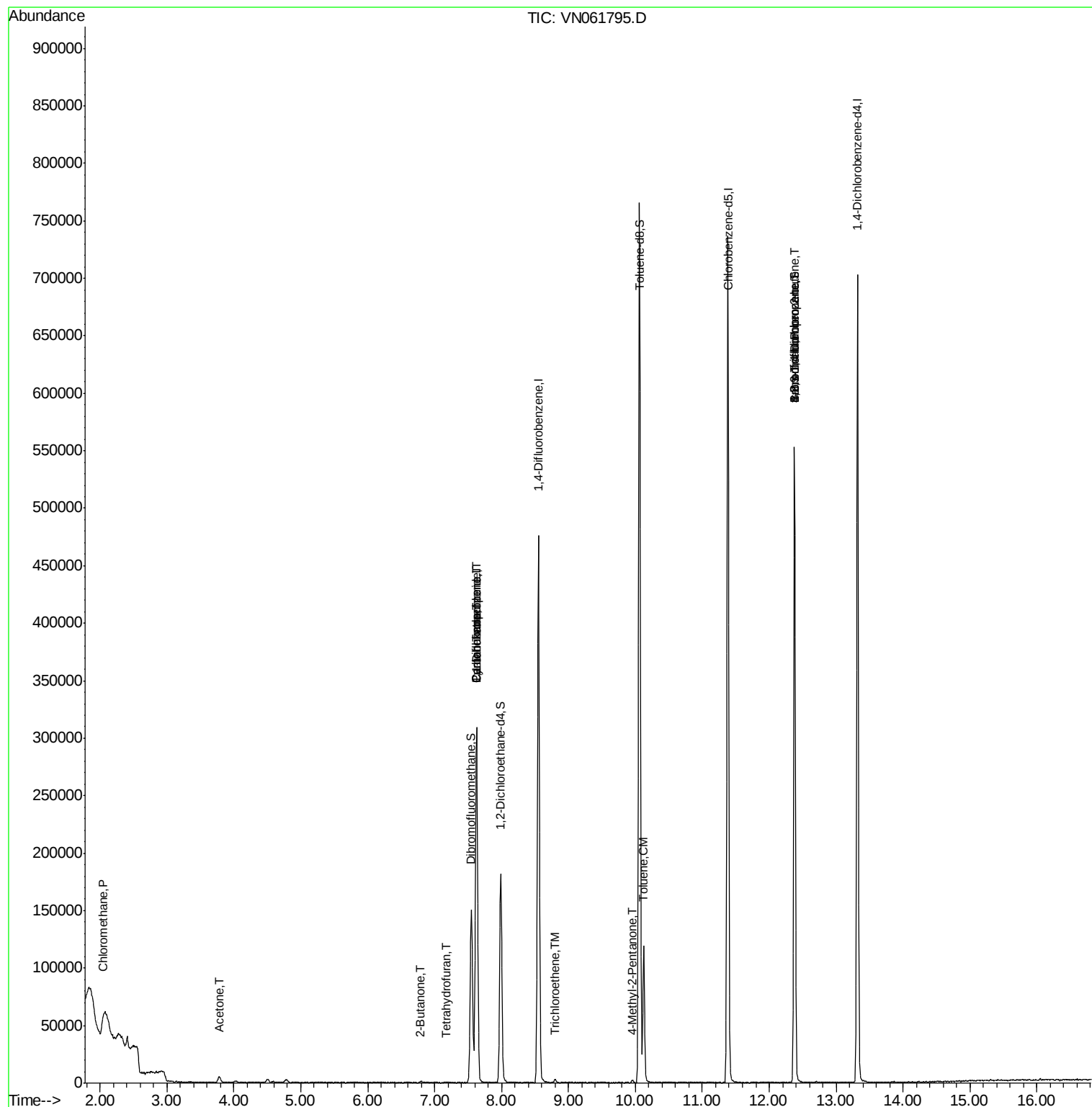
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	457502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	457791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	205243	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	152745	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
35) Dibromofluoromethane	7.55	113	115447	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	
50) Toluene-d8	10.06	98	553224	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.38	95	187502	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	827	0.253	ug/l #	83
16) Acetone	3.78	43	8620	3.681	ug/l #	88
20) Methylene Chloride	4.49	84	1606	Below Cal	#	71
25) 2-Butanone	6.79	43	1195	0.789	ug/l #	42
29) Tetrahydrofuran	7.16	42	221	0.221	ug/l #	25
31) Cyclohexane	7.62	56	4533	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	17514	4.324	ug/l #	47
38) Carbon Tetrachloride	7.63	117	25167	6.442	ug/l #	16
44) Trichloroethene	8.80	130	1206	0.314	ug/l	72
51) 4-Methyl-2-Pentanone	9.96	43	1565	0.473	ug/l	95
52) Toluene	10.13	92	53488	6.558	ug/l	97
71) Bromoform	12.38	173	1838	0.673	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	90715	24.307	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	90715	62.158	ug/l #	15

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

Instrument :

MSVOA_N

ClientSampleId :

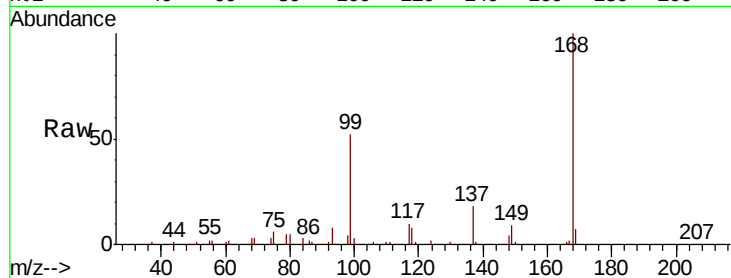
EB-20200609

Tot Ion:168 Resp: 268122

Ion Ratio Lower Upper

168 100

99 51.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

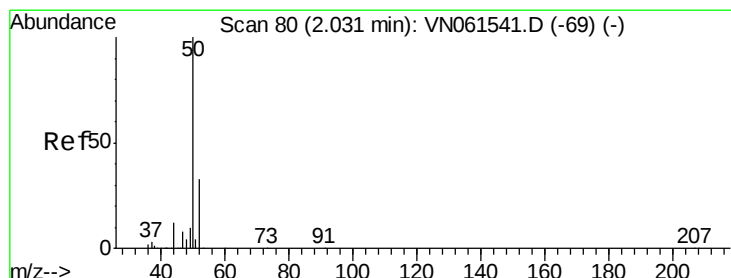
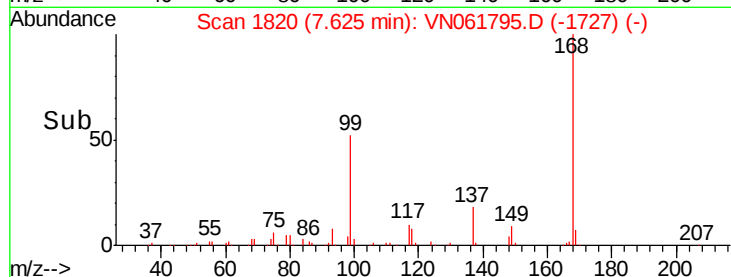
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.253 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061795.D

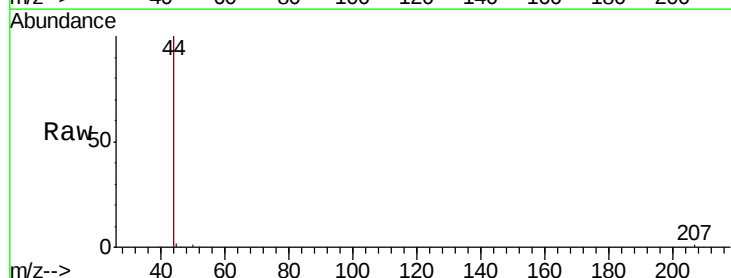
Acq: 12 Jun 2020 16:47

Tgt Ion: 50 Resp: 827

Ion Ratio Lower Upper

50 100

52 42.8 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

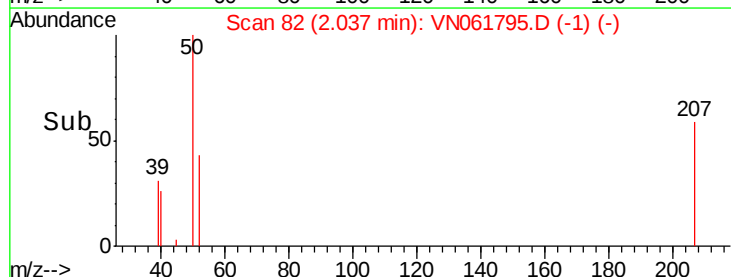
600

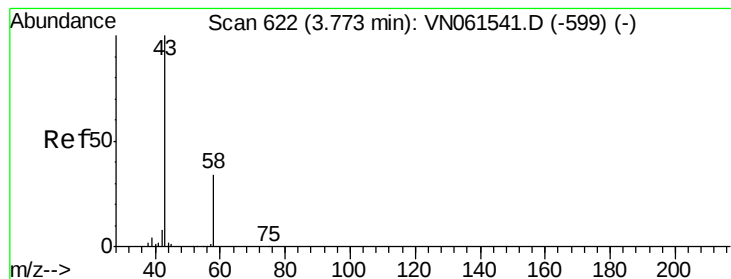
400

200

0

Time--> 2.00 2.02 2.04 2.06





#16

Acetone

Concen: 3.681 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

Instrument :

MSVOA_N

ClientSampleId :

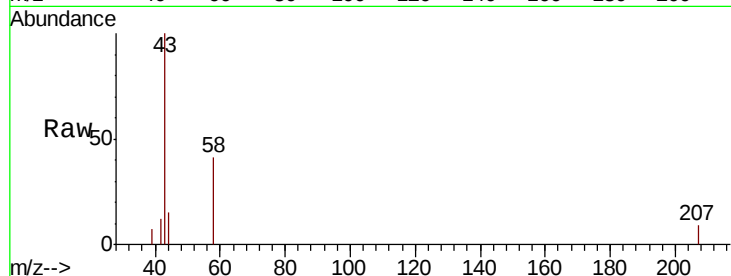
EB-20200609

Tot Ion: 43 Resp: 8620

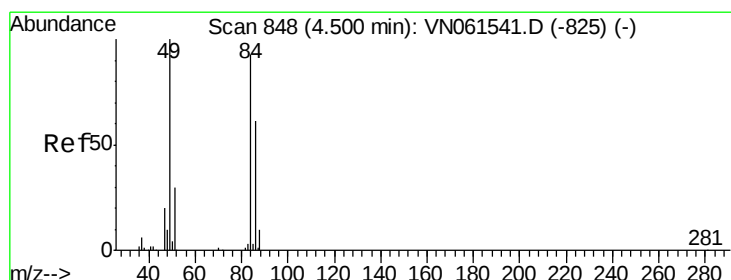
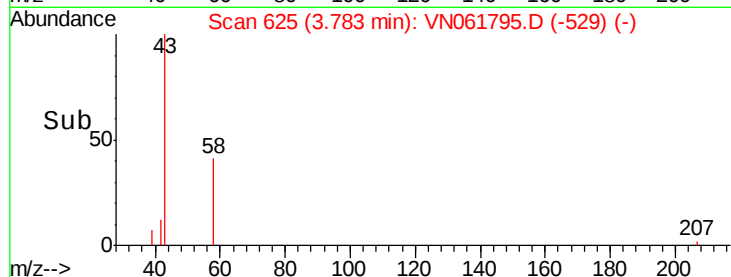
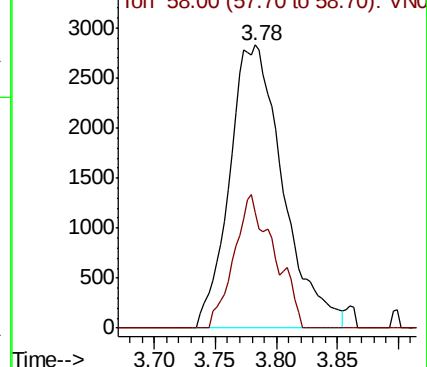
Ion Ratio Lower Upper

43 100

58 40.9 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061795.D (-529) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 846

Delta R.T. -0.01 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

Tgt Ion: 84 Resp: 1606

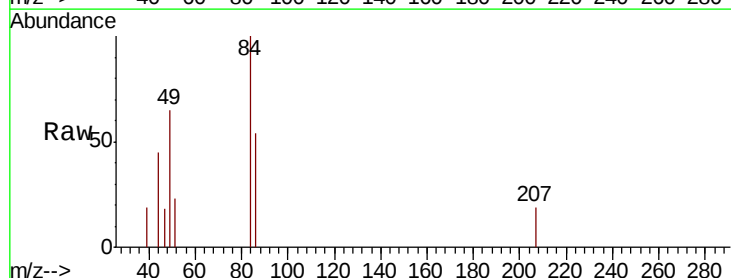
Ion Ratio Lower Upper

84 100

49 64.7 85.8 128.8#

51 23.3 26.2 39.2#

86 54.2 52.6 78.8

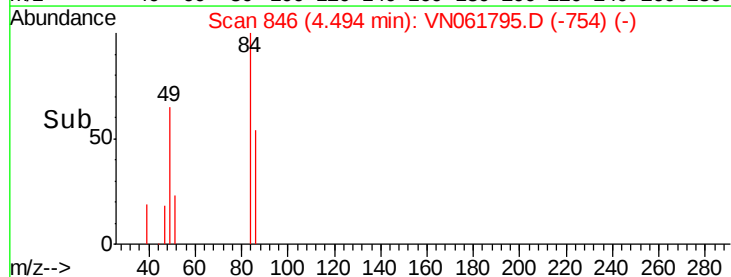
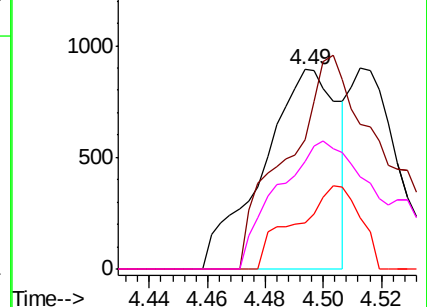


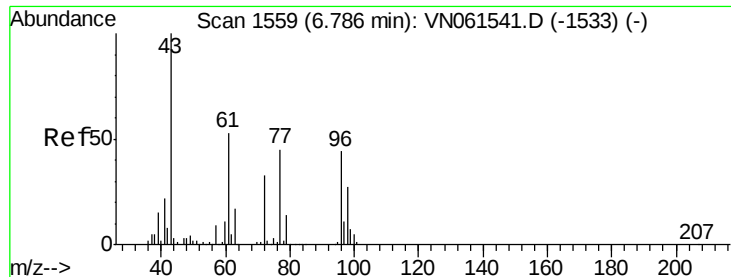
Abundance Ion 83.90 (83.60 to 84.60): VN061795.D (-754) (-)

Ion 48.90 (48.60 to 49.60): VN061795.D (-754) (-)

Ion 50.90 (50.60 to 51.60): VN061795.D (-754) (-)

Ion 85.90 (85.60 to 86.60): VN061795.D (-754) (-)

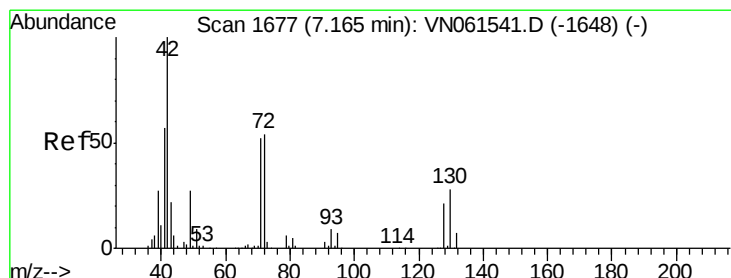
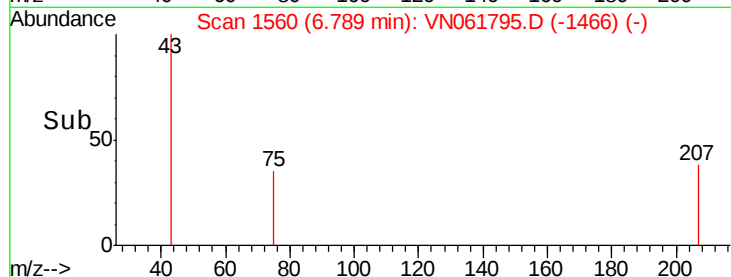
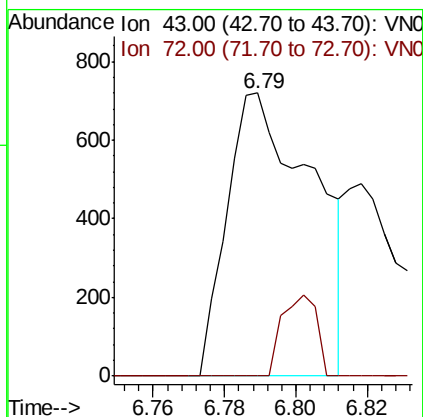
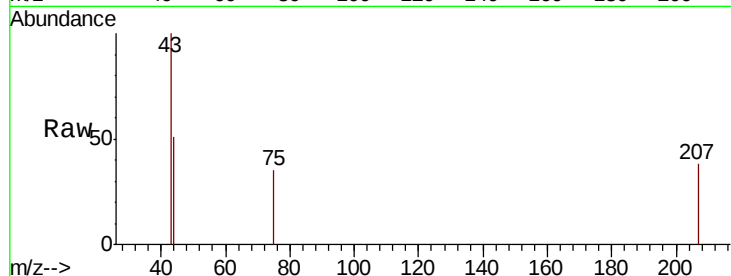




#25
2-Butanone
Concen: 0.789 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

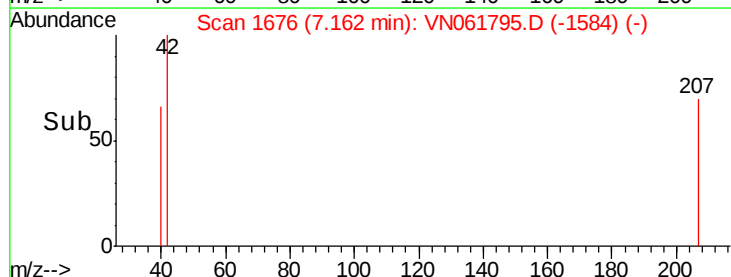
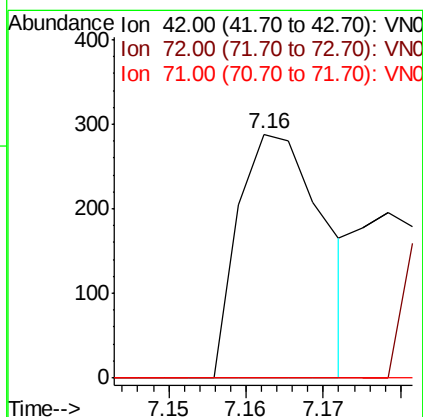
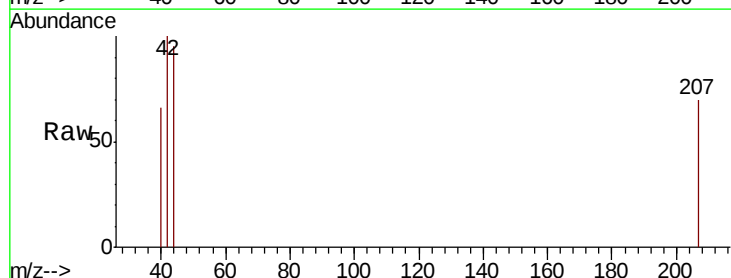
Instrument :
MSVOA_N
ClientSampleId :
EB-20200609

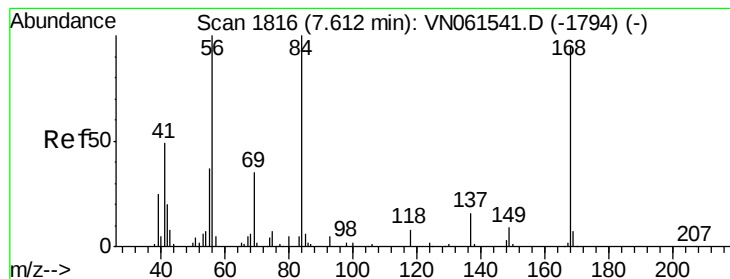
Tot Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
72 0.0 26.0 39.0#



#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

Tgt Ion: 42 Resp: 221
Ion Ratio Lower Upper
42 100
72 0.0 43.6 65.4#
71 0.0 41.2 61.8#





#31

Cyclohexane

Concen: 1.007 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

Instrument :

MSVOA_N

ClientSampleId :

EB-20200609

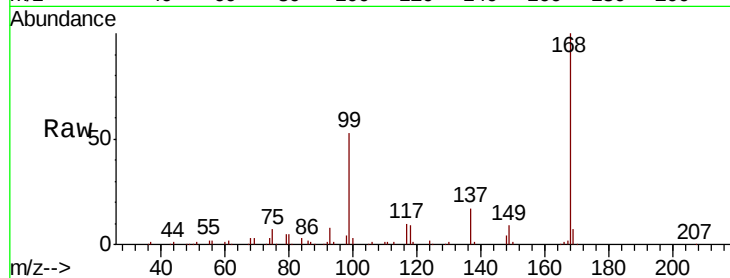
Tot Ion: 56 Resp: 4533

Ion Ratio Lower Upper

56 100

69 171.2 27.8 41.8#

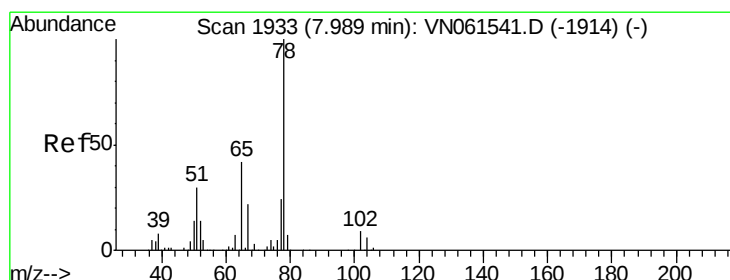
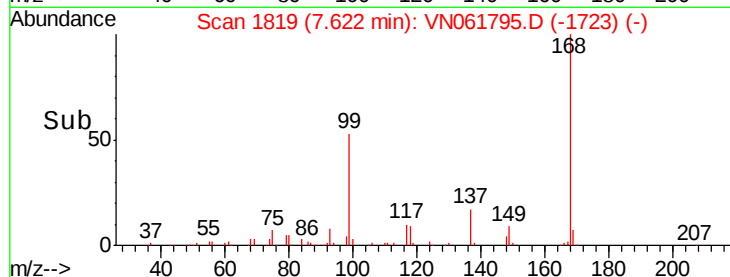
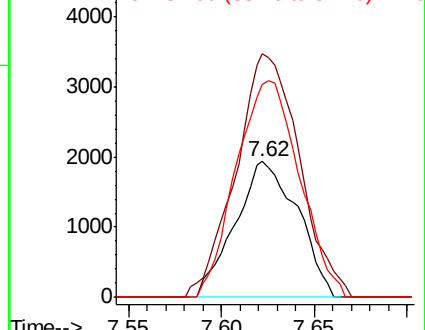
84 156.4 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061795.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061795.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061795.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.815 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061795.D

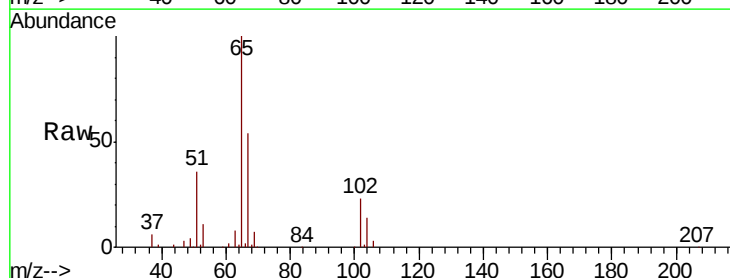
Acq: 12 Jun 2020 16:47

Tgt Ion: 65 Resp: 152745

Ion Ratio Lower Upper

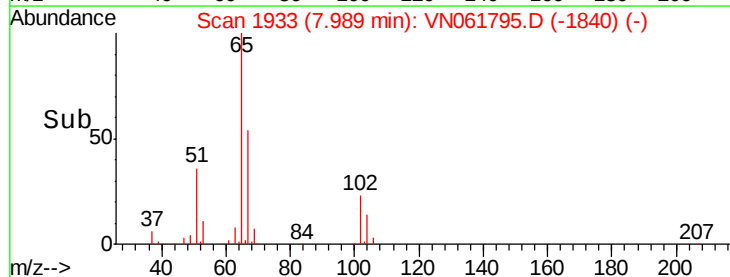
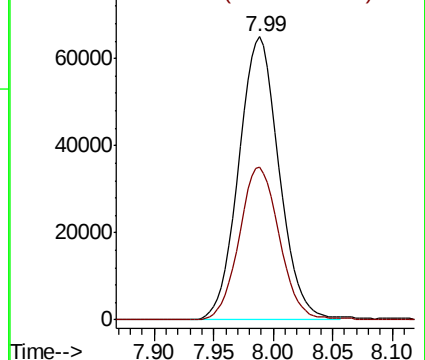
65 100

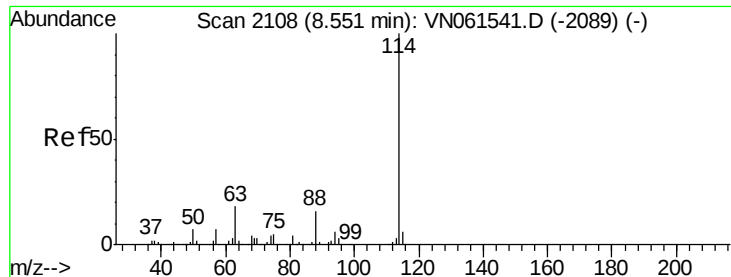
67 53.7 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061795.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061795.D (-1840) (-)

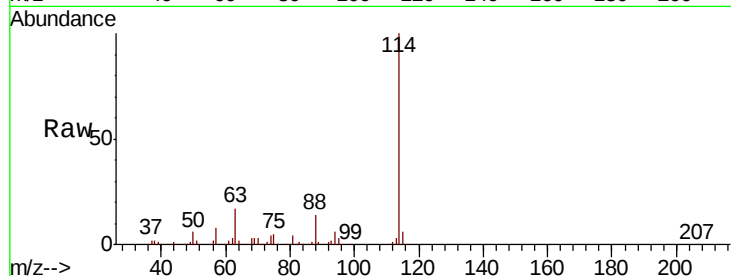




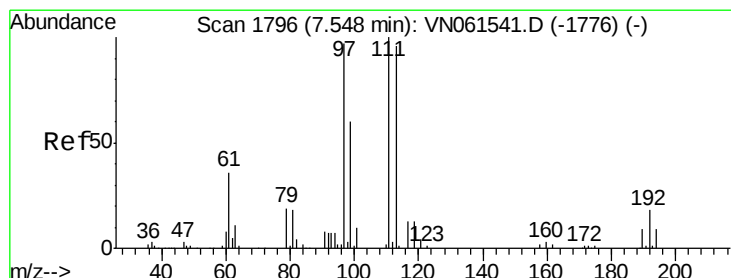
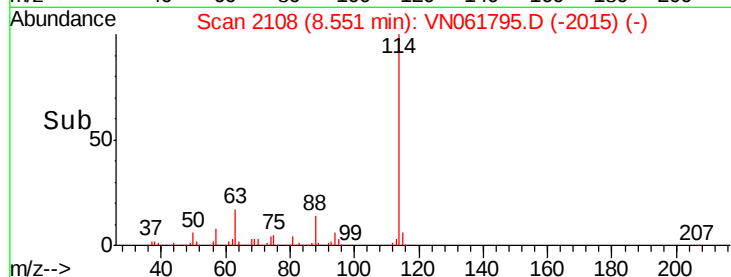
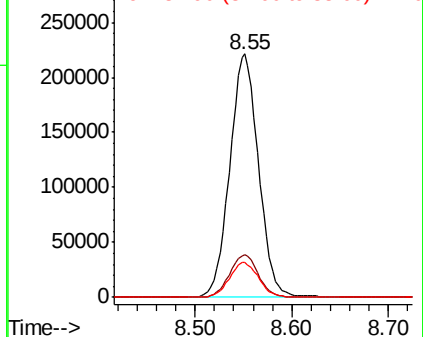
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

Instrument :
MSVOA_N
ClientSampleId :
EB-20200609

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	35.8
88	14.3	0.0	31.0

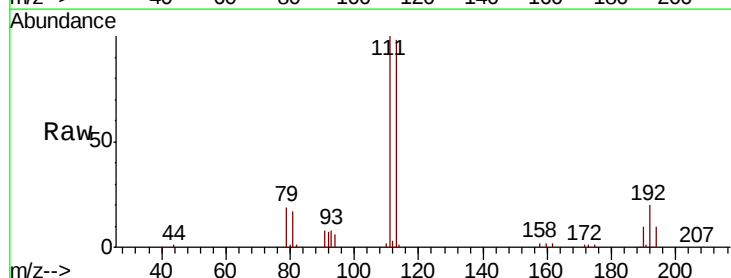


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

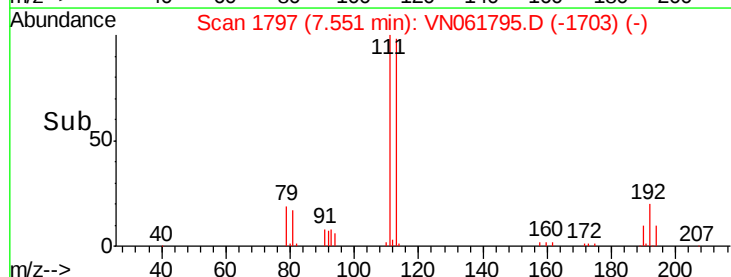
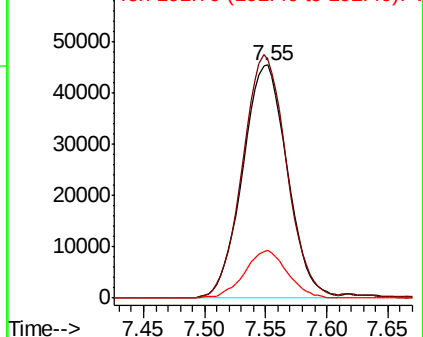


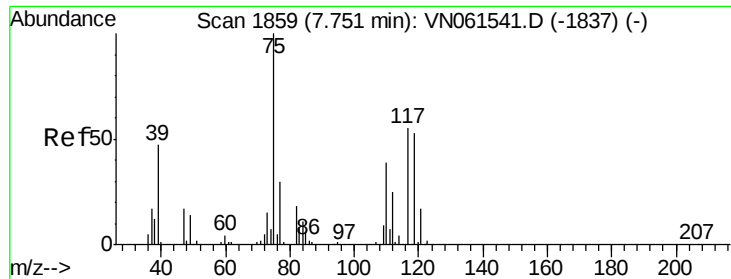
#35
Dibromofluoromethane
Concen: 49.744 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	19.6	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

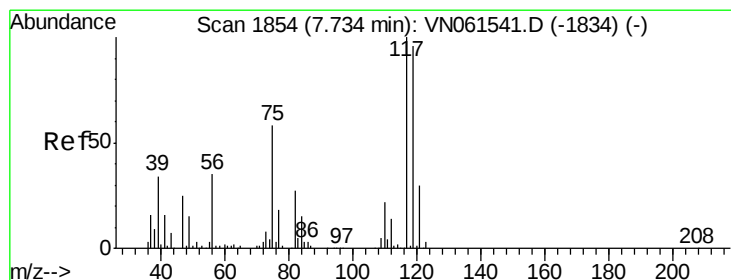
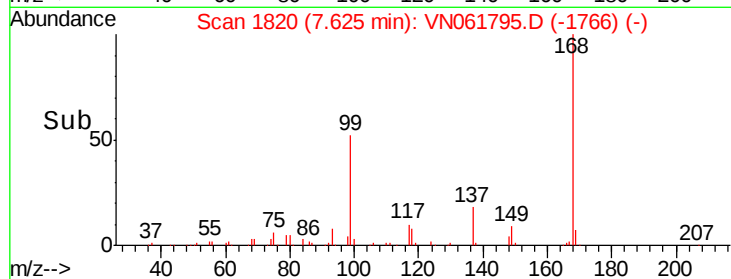
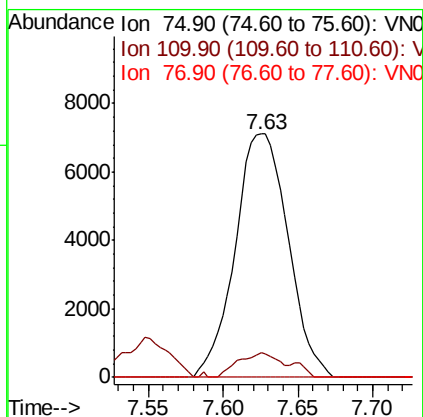
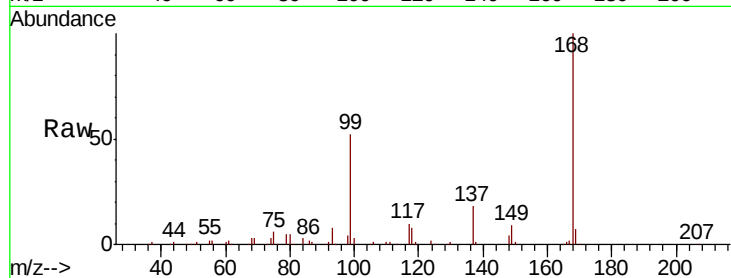




#36
 1,1-Dichloropropene
 Concen: 4.324 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061795.D
 Acq: 12 Jun 2020 16:47

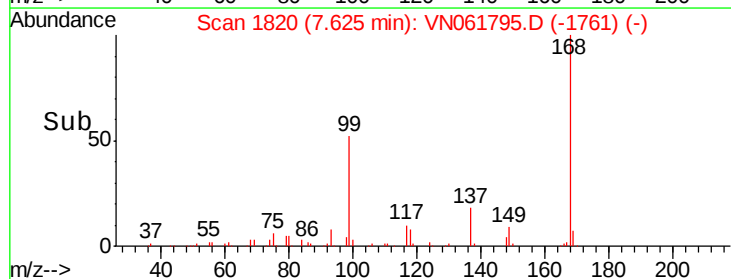
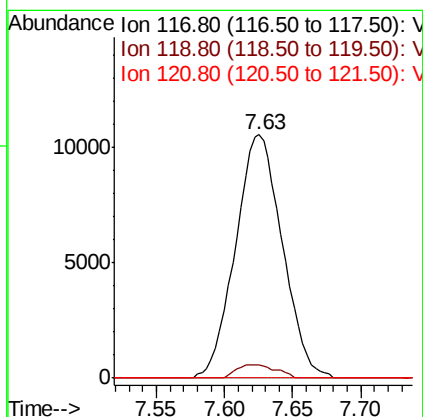
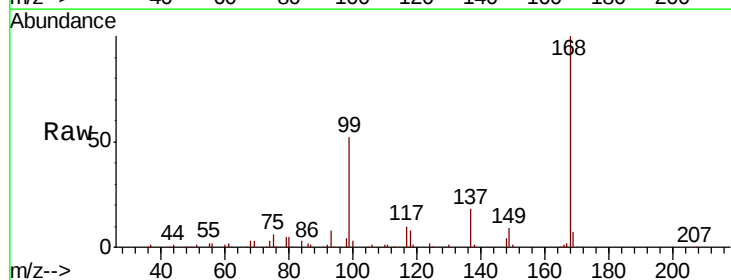
Instrument :
 MSVOA_N
 ClientSampled :
 EB-20200609

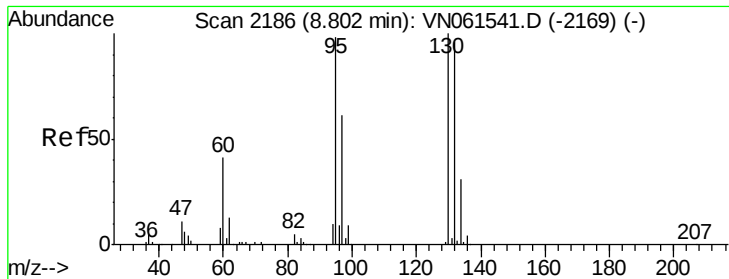
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.442 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061795.D
 Acq: 12 Jun 2020 16:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.5	114.7#
121	0.0	24.1	36.1#





#44

Trichloroethene

Concen: 0.314 ug/l

RT: 8.80 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

Instrument :

MSVOA_N

ClientSampleId :

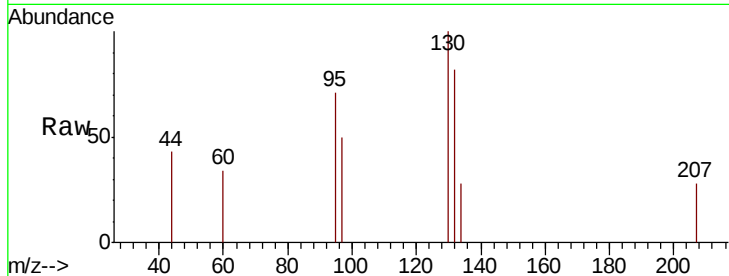
EB-20200609

Tot Ion:130 Resp: 1206

Ion Ratio Lower Upper

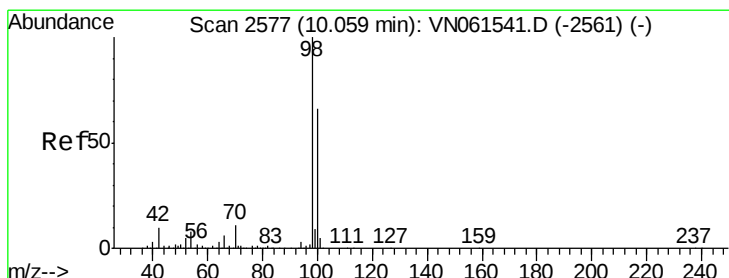
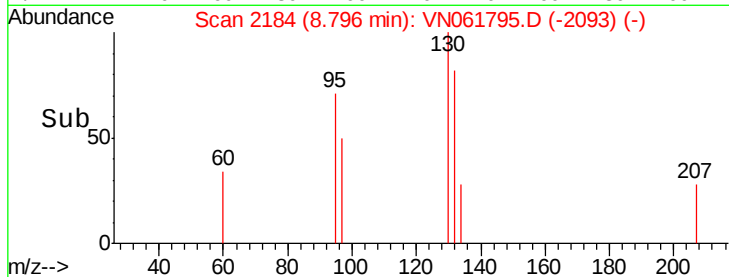
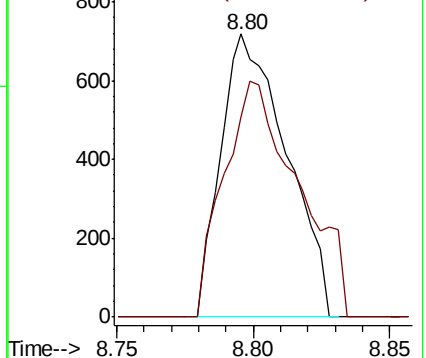
130 100

95 70.6 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061795.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061795.D (-2093) (-)



#50

Toluene-d8

Concen: 51.439 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061795.D

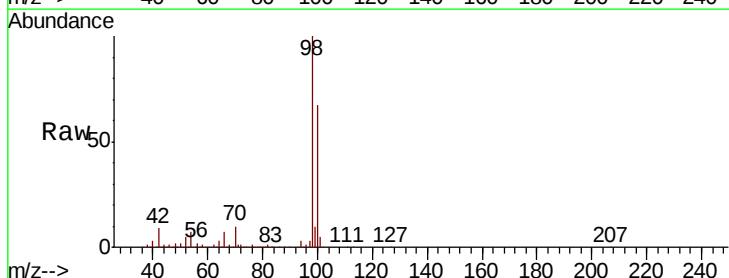
Acq: 12 Jun 2020 16:47

Tgt Ion: 98 Resp: 553224

Ion Ratio Lower Upper

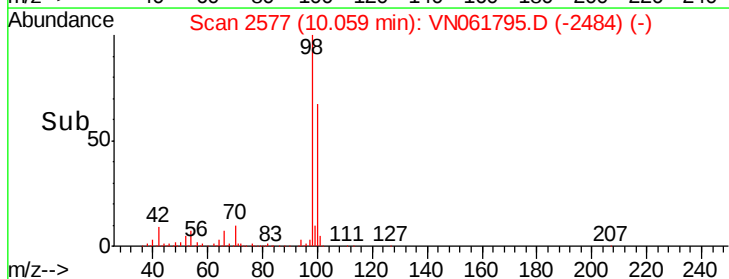
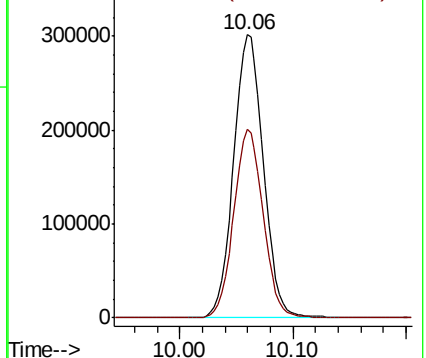
98 100

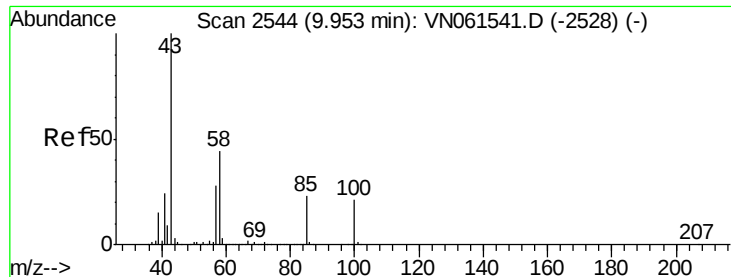
100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061795.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN061795.D (-2484) (-)

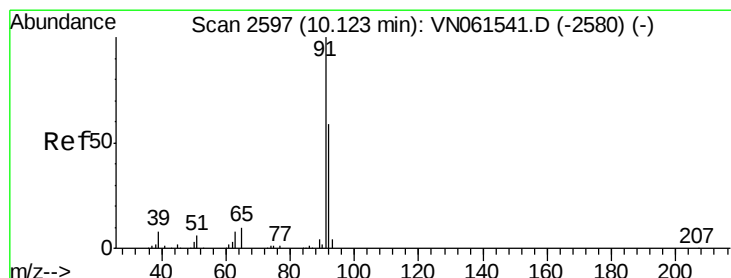
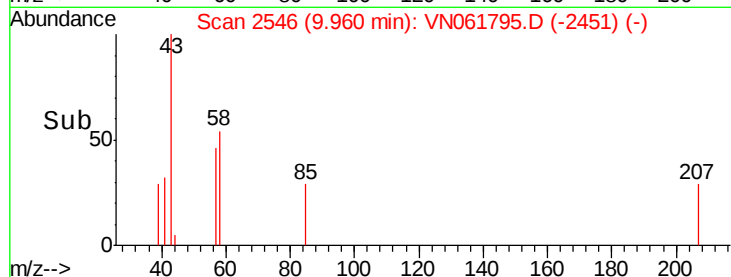
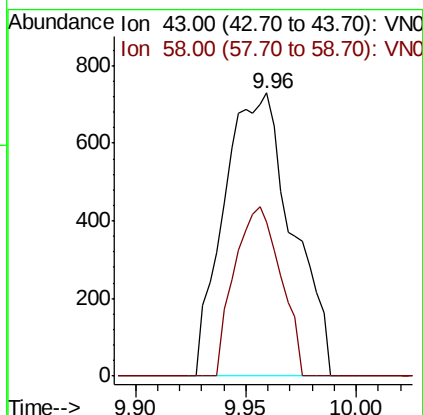
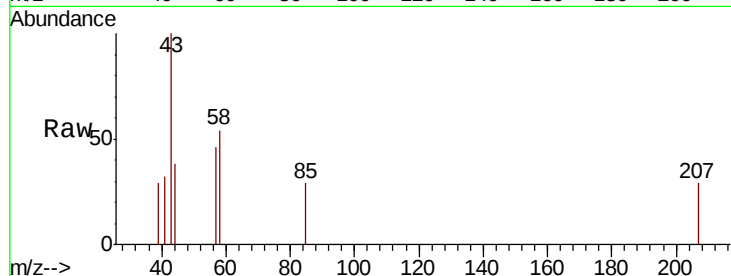




#51
4-Methyl-2-Pentanone
Concen: 0.473 ug/l
RT: 9.96 min Scan# 2546
Delta R.T. 0.01 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

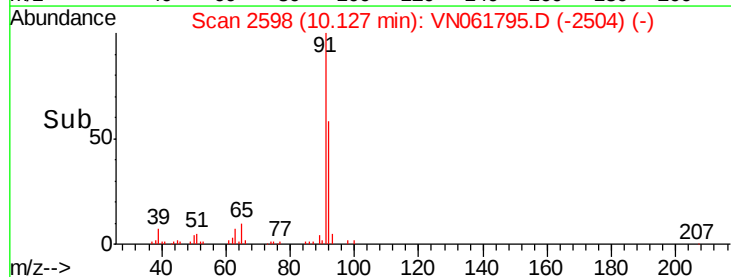
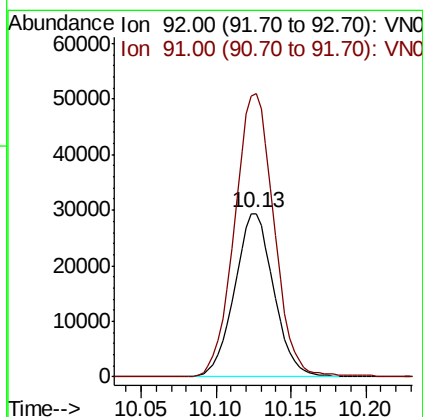
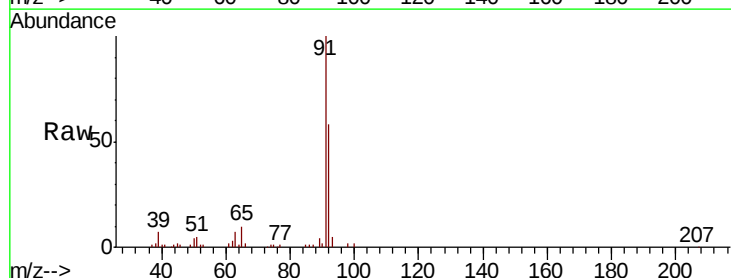
Instrument :
MSVOA_N
ClientSampleId :
EB-20200609

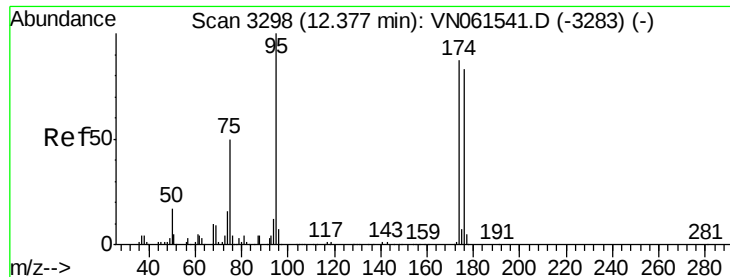
Tot Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
58 40.6 35.0 52.6



#52
Toluene
Concen: 6.558 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

Tgt Ion: 92 Resp: 53488
Ion Ratio Lower Upper
92 100
91 175.1 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 47.786 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

Instrument :

MSVOA_N

ClientSampled :

EB-20200609

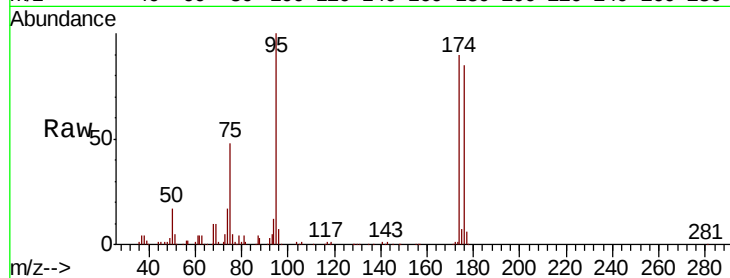
Tot Ion: 95 Resp: 187502

Ion Ratio Lower Upper

95 100

174 90.7 0.0 172.8

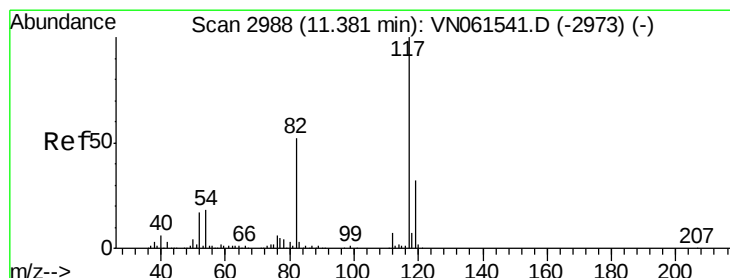
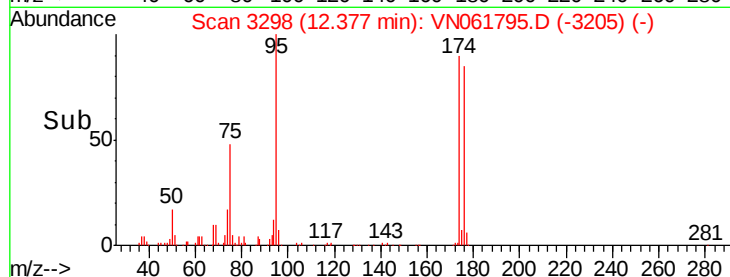
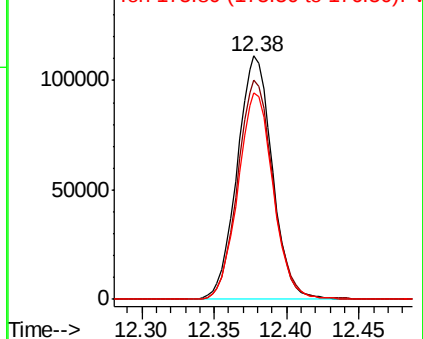
176 85.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061795.D (-2895) (-)

Ion 173.80 (173.50 to 174.50): VN061795.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN061795.D (-2895) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

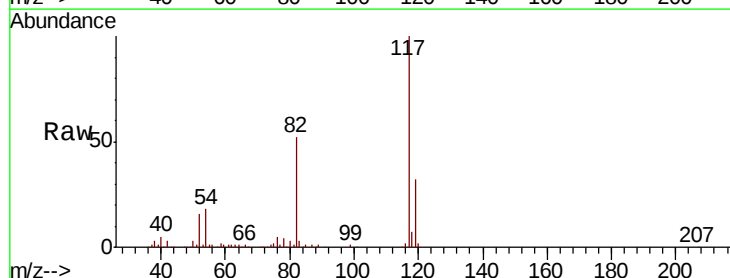
Tgt Ion: 117 Resp: 457791

Ion Ratio Lower Upper

117 100

82 51.5 41.5 62.3

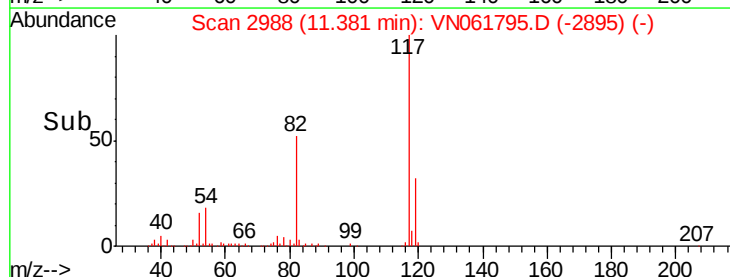
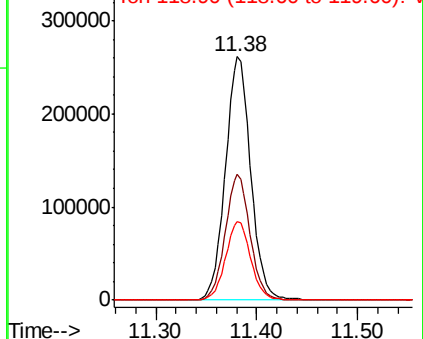
119 32.4 25.6 38.4

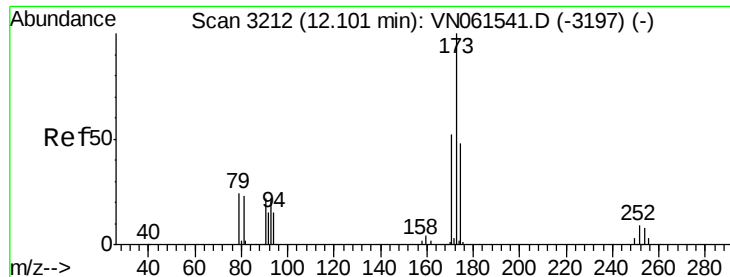


Abundance Ion 116.90 (116.60 to 117.60): VN061795.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061795.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061795.D (-2895) (-)

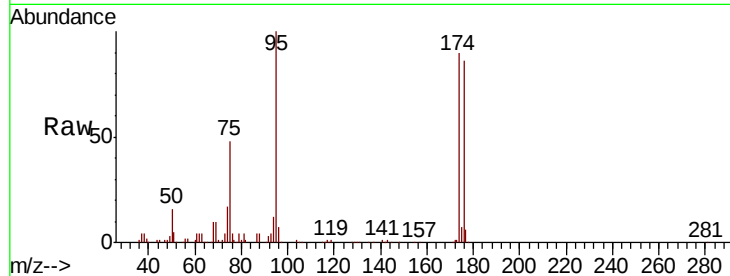




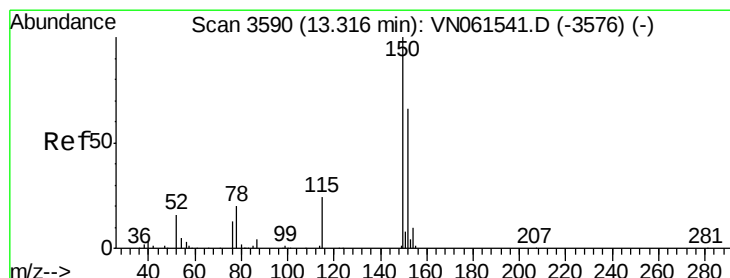
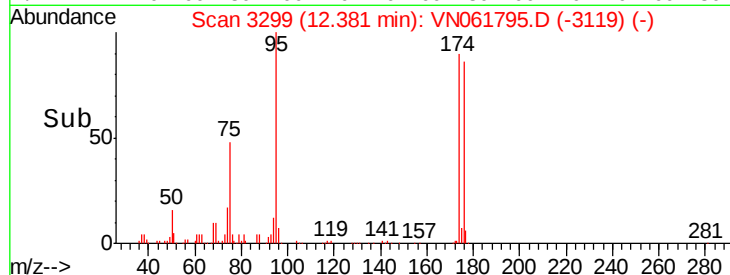
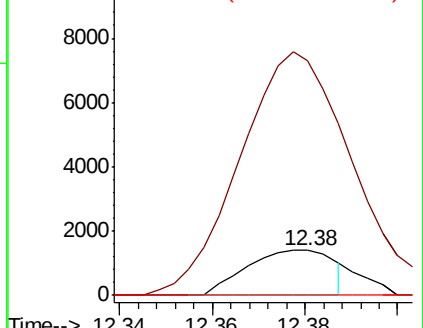
#71
Bromoform
Concen: 0.673 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

Instrument :
MSVOA_N
ClientSampleId :
EB-20200609

Tot Ion:173 Resp: 1838
Ion Ratio Lower Upper
173 100
175 568.2 24.4 73.2#
254 0.0 0.0 0.0

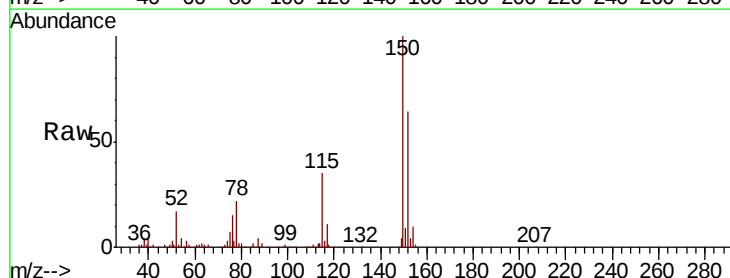


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

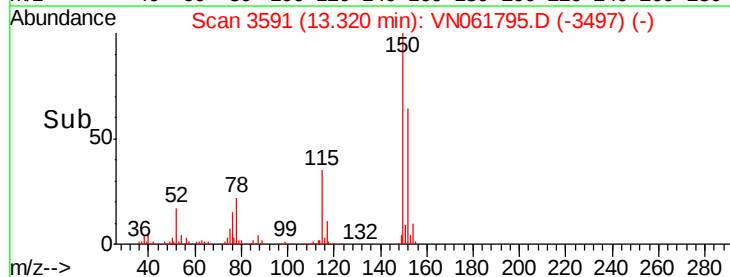
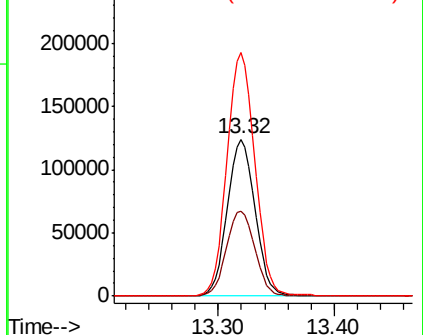


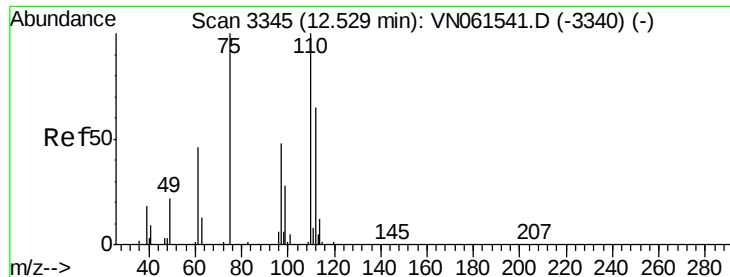
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061795.D
Acq: 12 Jun 2020 16:47

Tgt Ion:152 Resp: 205243
Ion Ratio Lower Upper
152 100
115 55.2 28.0 84.0
150 155.9 0.0 344.0



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: 24.307 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

Instrument :

MSVOA_N

ClientSampleId :

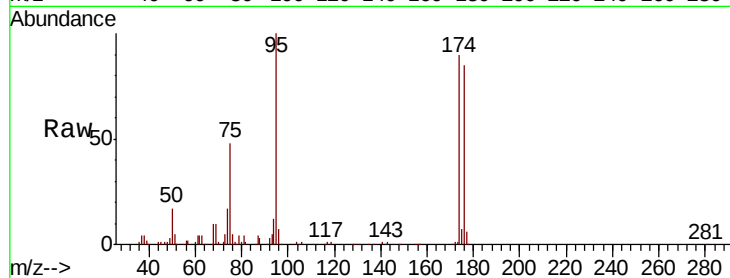
EB-20200609

Tot Ion: 75 Resp: 90715

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

60000

50000

40000

30000

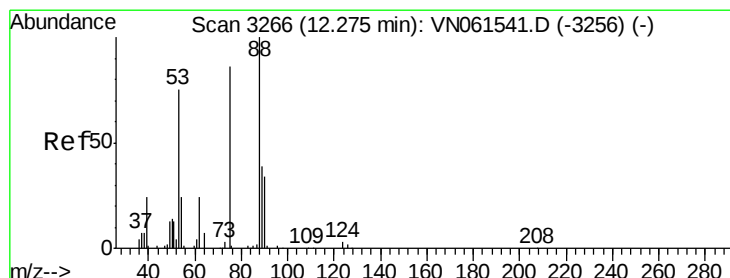
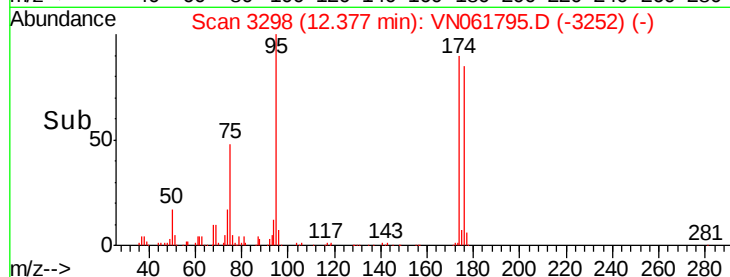
20000

10000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 62.158 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061795.D

Acq: 12 Jun 2020 16:47

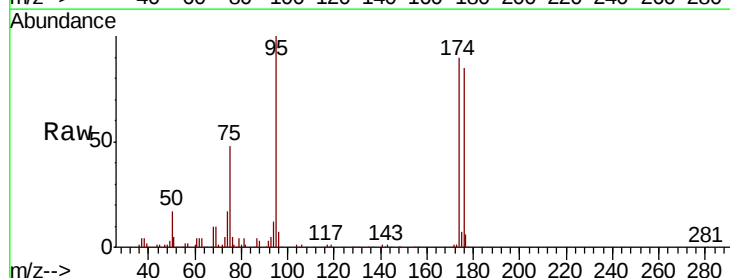
Tgt Ion: 75 Resp: 90715

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



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

12.38

60000

40000

20000

0

Time-->

12.30 12.40

