

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059224.D
 Acq On : 14 Nov 2019 11:41
 Operator : JC/SP
 Sample : K5814-10DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30535DL

Quant Time: Nov 15 06:54:06 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	416889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	645788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	570464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	205356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	266793	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	7.57	113	207874	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.08	98	801602	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.40	95	254095	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

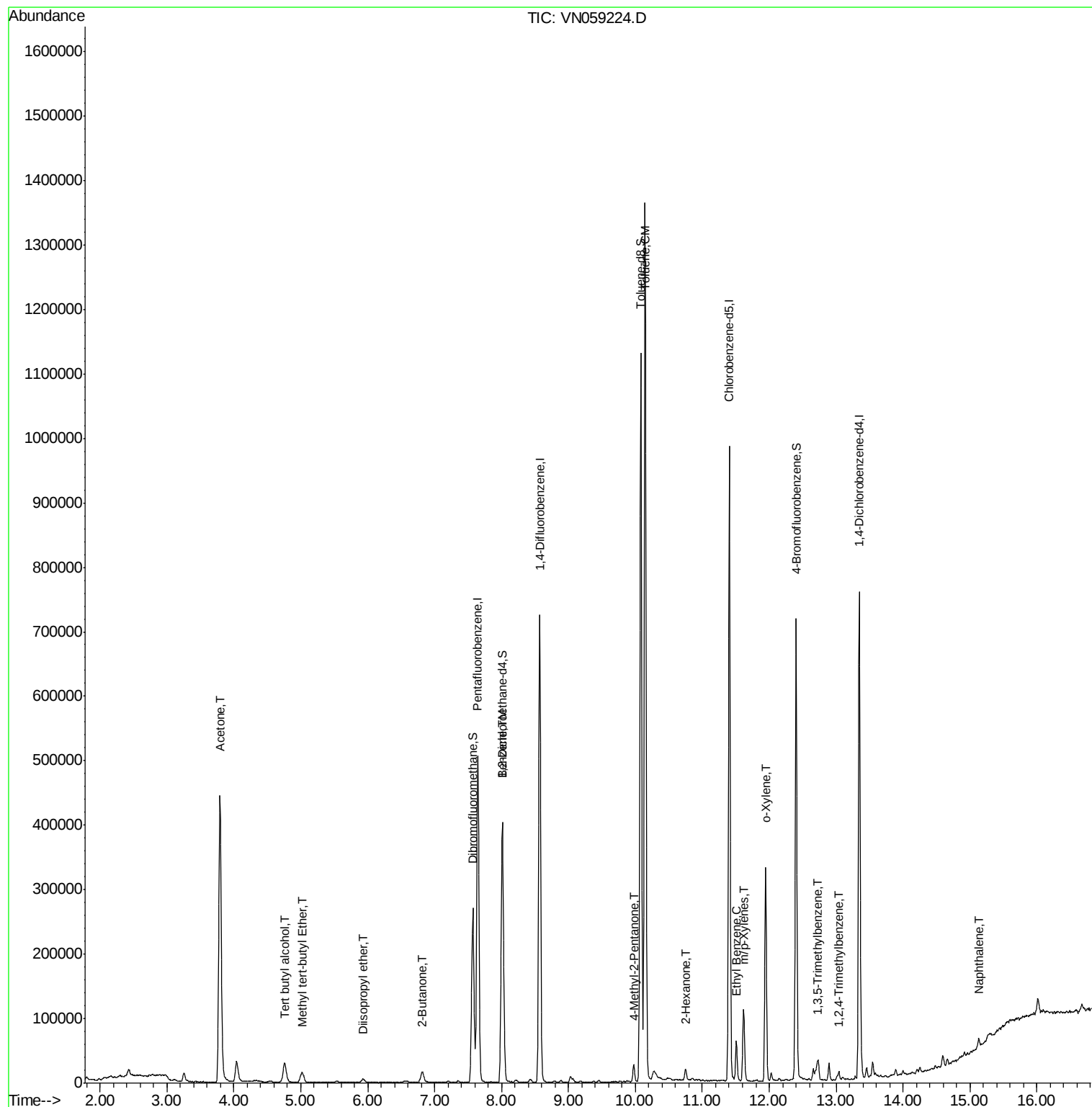
						Qvalue
11) Tert butyl alcohol	4.76	59	54341	55.640	ug/l #	88
16) Acetone	3.79	43	736573	276.397	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	26161	1.954	ug/l	99
22) Diisopropyl ether	5.93	45	7431	0.492	ug/l #	90
25) 2-Butanone	6.82	43	21303	6.065	ug/l	98
40) Benzene	8.02	78	138842	7.638	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	19351	3.195	ug/l	95
52) Toluene	10.15	92	604217	55.459	ug/l	99
59) 2-Hexanone	10.75	43	14611	3.143	ug/l	87
67) Ethyl Benzene	11.51	91	45367	2.299	ug/l	98
68) m/p-Xylenes	11.62	106	33455	4.527	ug/l	95
69) o-Xylene	11.95	106	89388	12.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	12207	0.964	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	7101	0.580	ug/l	98
95) Naphthalene	15.13	128	10385	3.961	ug/l	97

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

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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# 1826

Delta R.T. -0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

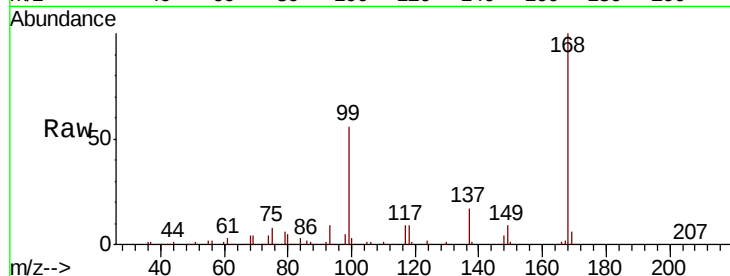
30535DL

Tot Ion:168 Resp: 416889

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

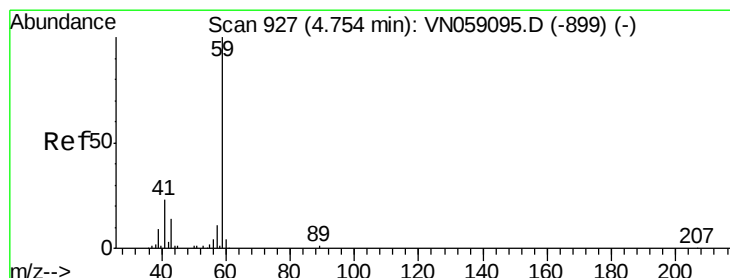
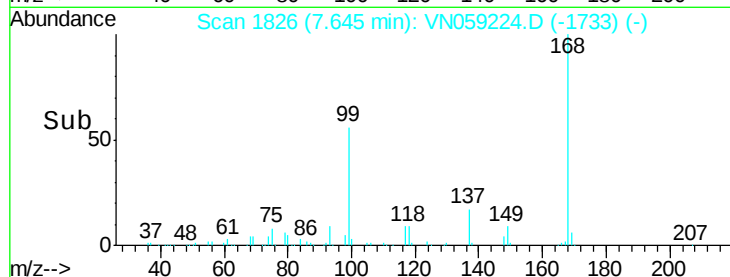
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 55.640 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN059224.D

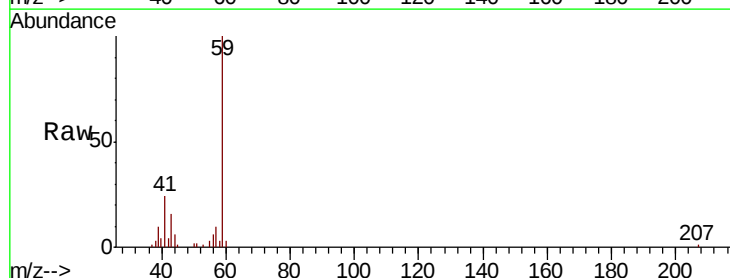
Acq: 14 Nov 2019 11:41

Tgt Ion: 59 Resp: 54341

Ion Ratio Lower Upper

59 100

57 5.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

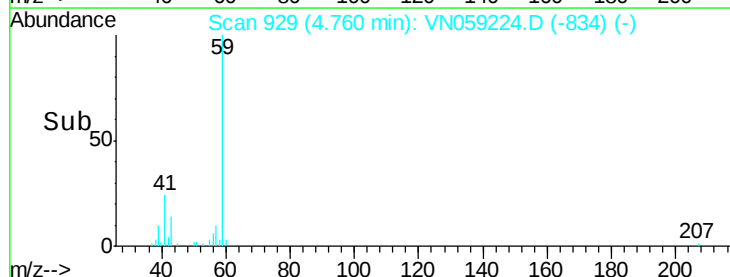
15000

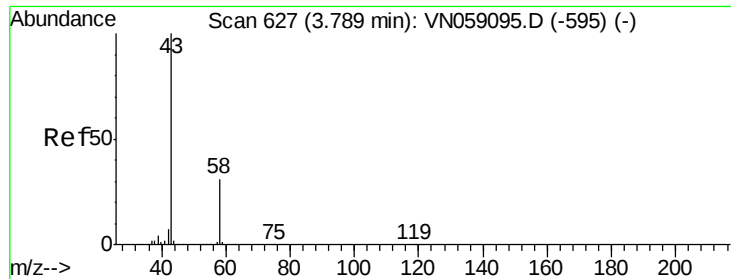
10000

5000

0

Time--> 4.70 4.80 4.90





#16

Acetone

Concen: 276.397 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

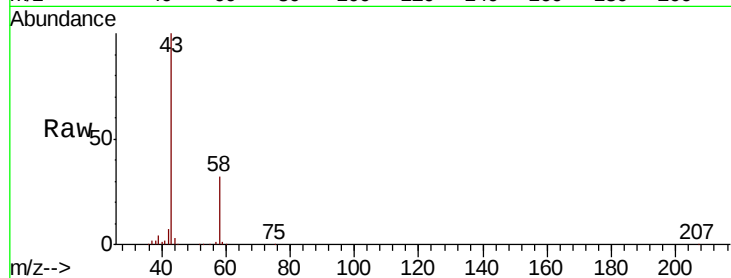
30535DL

Tot Ion: 43 Resp: 736573

Ion Ratio Lower Upper

43 100

58 31.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

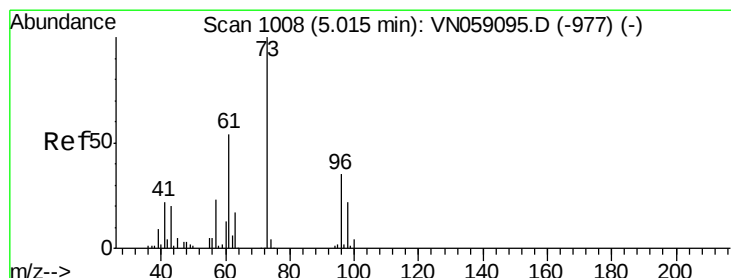
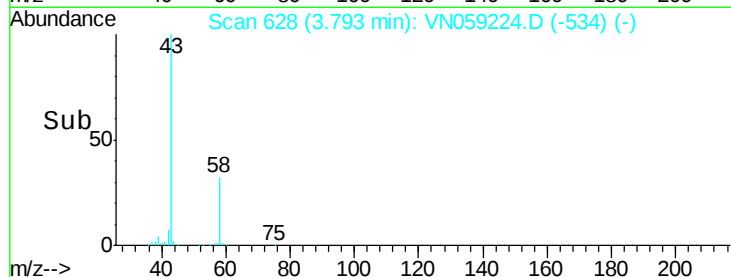
300000

200000

100000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.954 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN059224.D

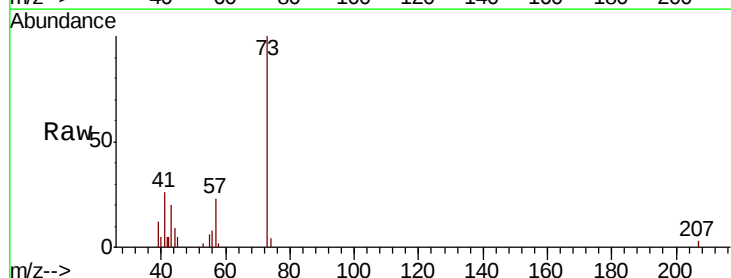
Acq: 14 Nov 2019 11:41

Tgt Ion: 73 Resp: 26161

Ion Ratio Lower Upper

73 100

57 23.5 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.02

8000

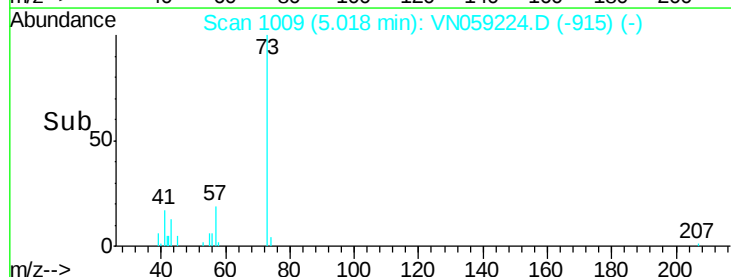
6000

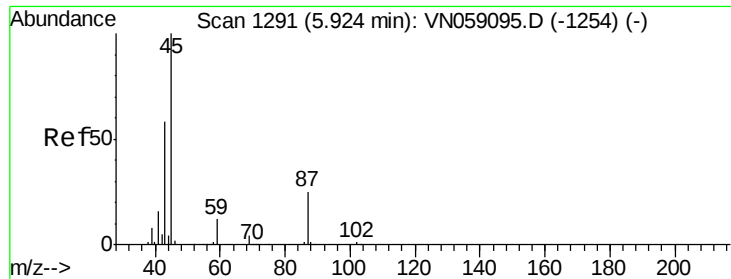
4000

2000

0

Time-->

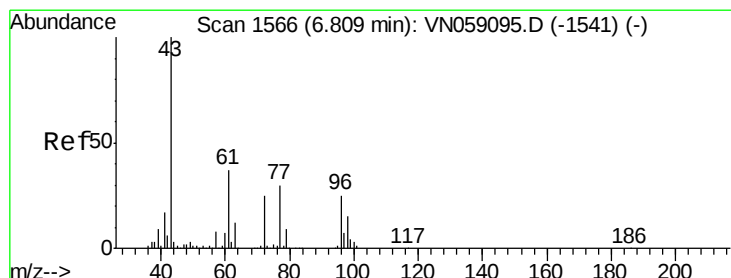
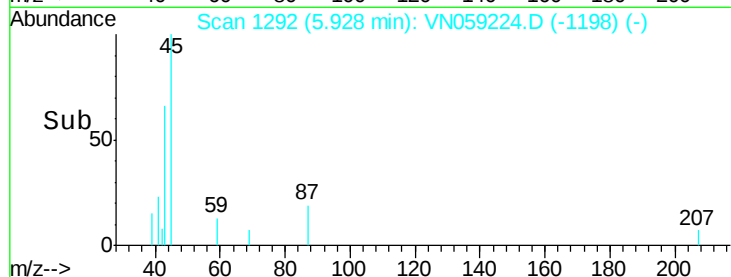
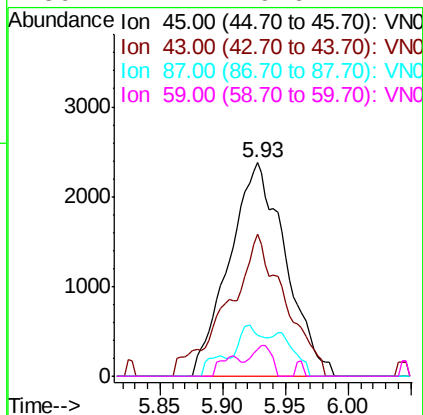
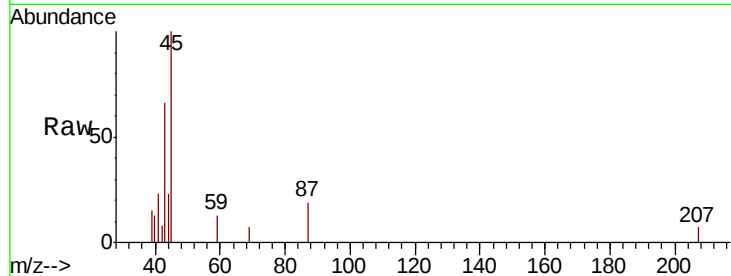




#22
Diisopropyl ether
Concen: 0.492 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

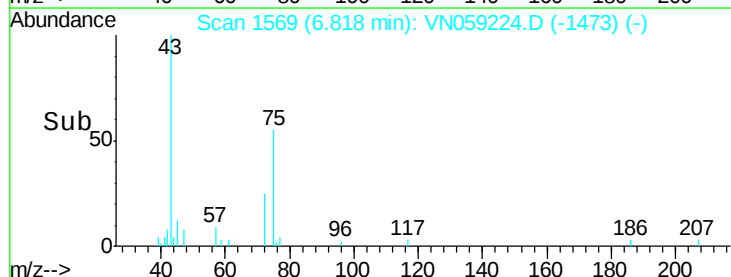
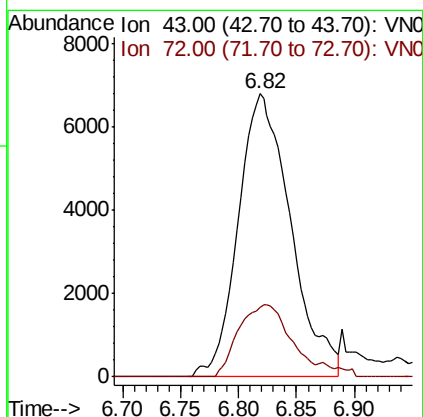
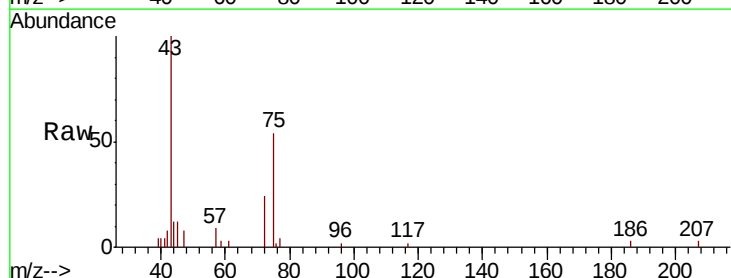
Instrument :
MSVOA_N
ClientSampleId :
30535DL

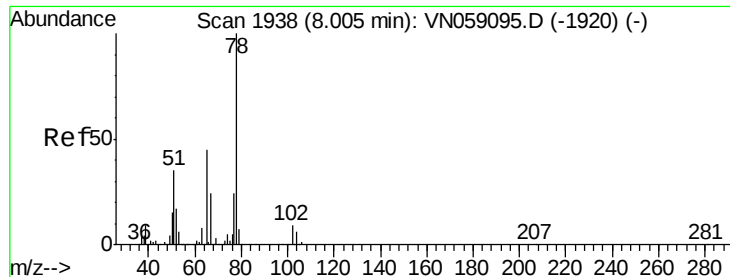
Tot Ion: 45 Resp: 7431
Ion Ratio Lower Upper
45 100
43 66.4 46.7 70.1
87 19.0 20.5 30.7#
59 12.7 9.6 14.4



#25
2-Butanone
Concen: 6.065 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

Tgt Ion: 43 Resp: 21303
Ion Ratio Lower Upper
43 100
72 24.4 20.3 30.5





#33

1,2-Dichloroethane-d4

Concen: 52.061 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

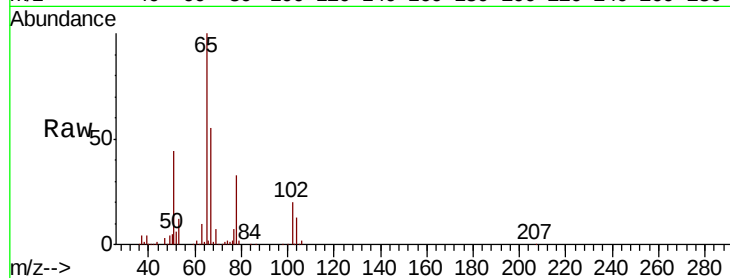
30535DL

Tot Ion: 65 Resp: 266793

Ion Ratio Lower Upper

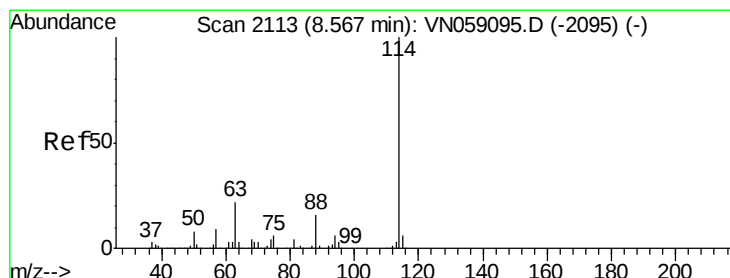
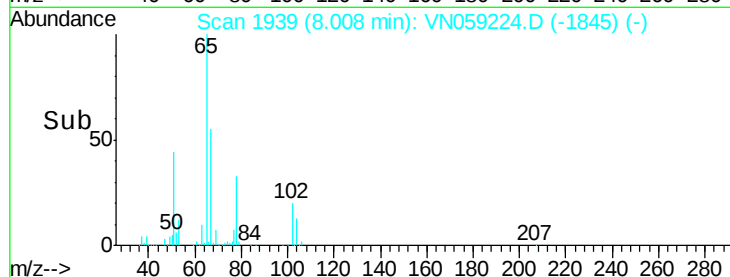
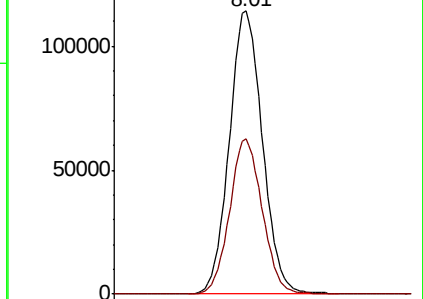
65 100

67 53.9 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059224.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059224.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

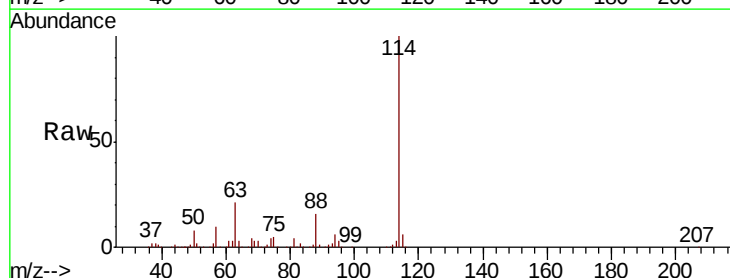
Tgt Ion: 114 Resp: 645788

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

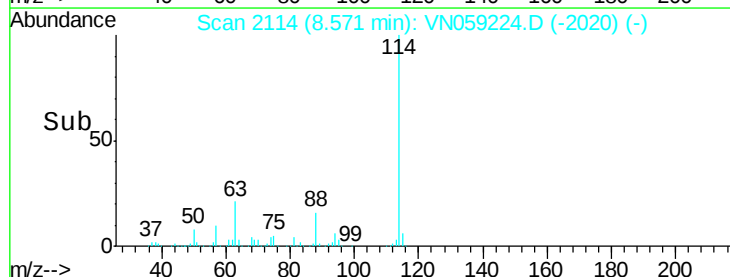
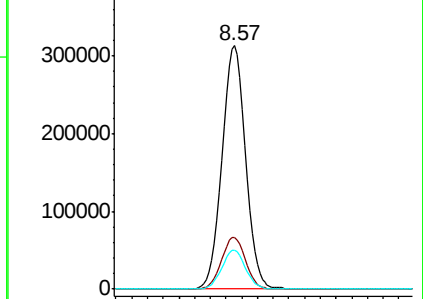
88 16.1 0.0 32.2

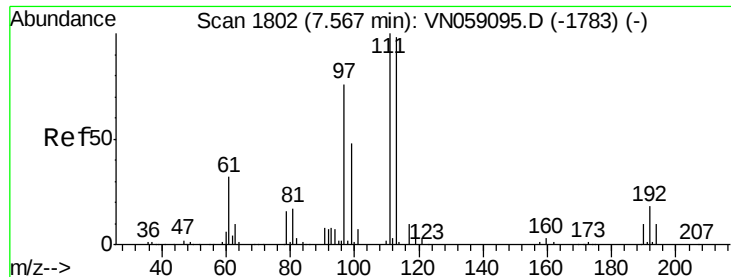


Abundance Ion 113.90 (113.60 to 114.60): VN059224.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059224.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059224.D (-2020) (-)

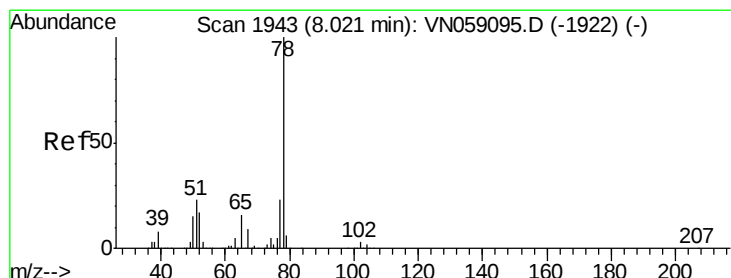
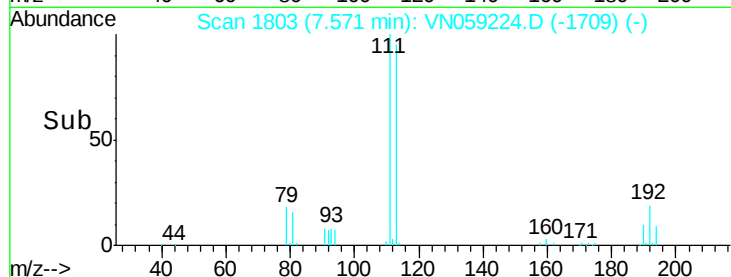
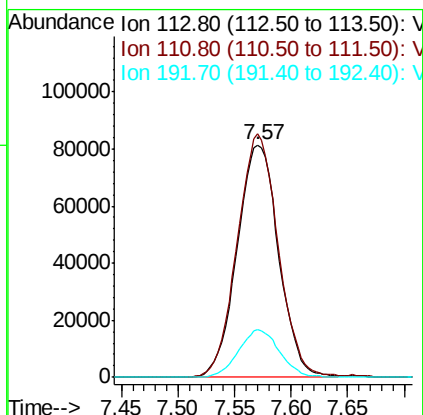
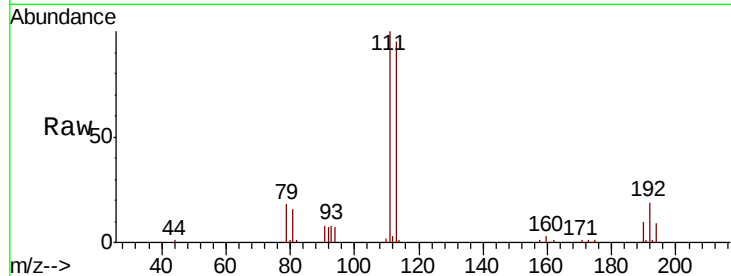




#35
 Dibromofluoromethane
 Concen: 53.909 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

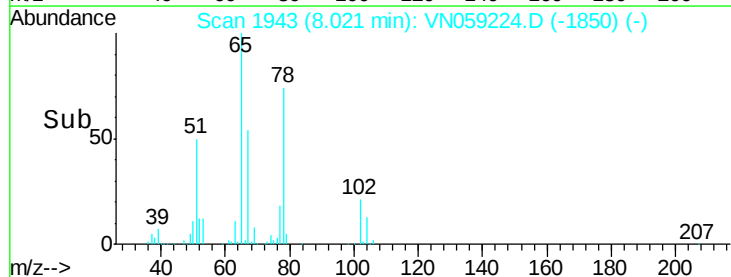
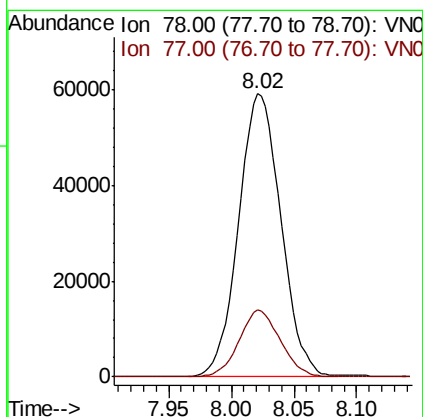
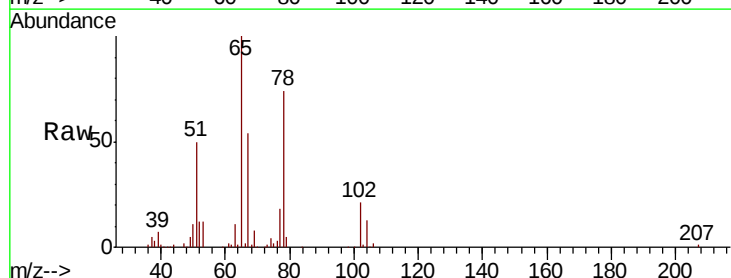
Instrument :
 MSVOA_N
 ClientSampled :
 30535DL

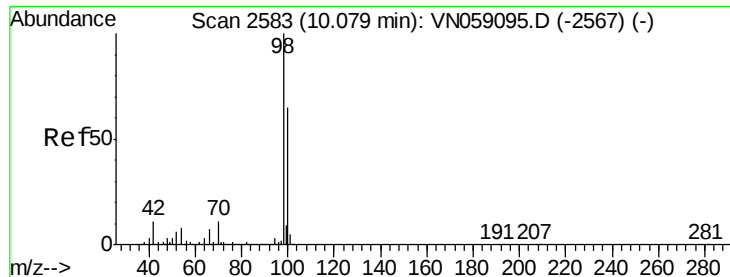
Tot Ion:113 Resp: 207874
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 20.1 16.1 24.1



#40
 Benzene
 Concen: 7.638 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Tgt Ion: 78 Resp: 138842
 Ion Ratio Lower Upper
 78 100
 77 23.7 18.8 28.2





#50

Toluene-d8

Concen: 52.777 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

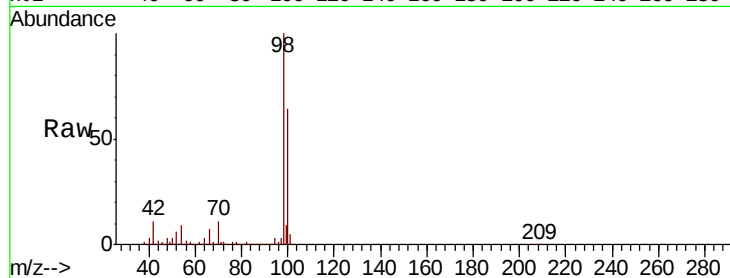
30535DL

Tot Ion: 98 Resp: 801602

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

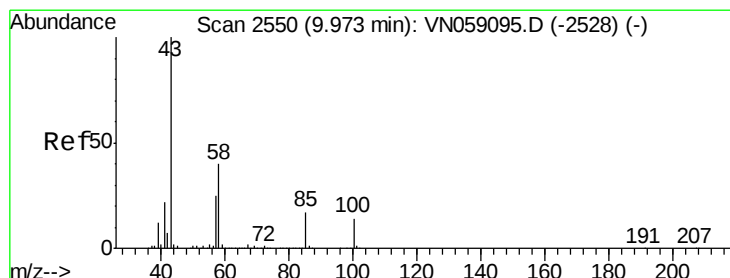
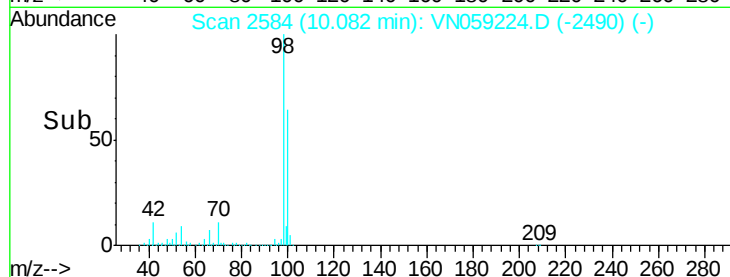
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.195 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059224.D

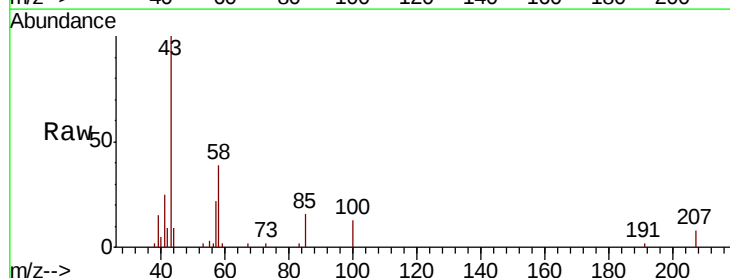
Acq: 14 Nov 2019 11:41

Tgt Ion: 43 Resp: 19351

Ion Ratio Lower Upper

43 100

58 36.6 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

12000

10000

8000

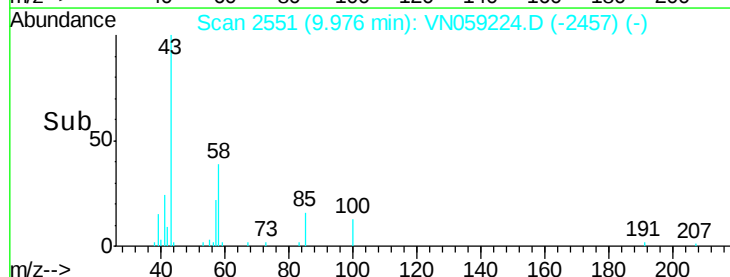
6000

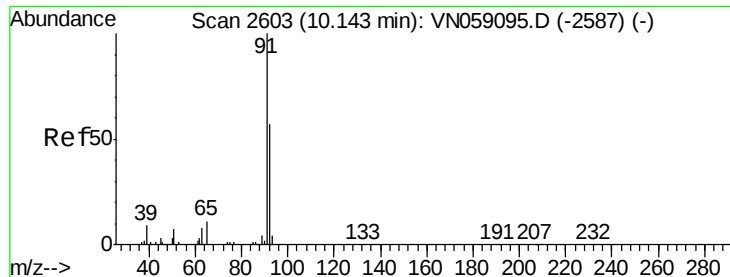
4000

2000

0

Time-->





#52

Toluene

Concen: 55.459 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

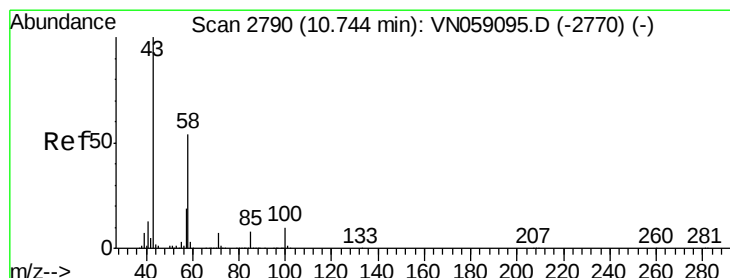
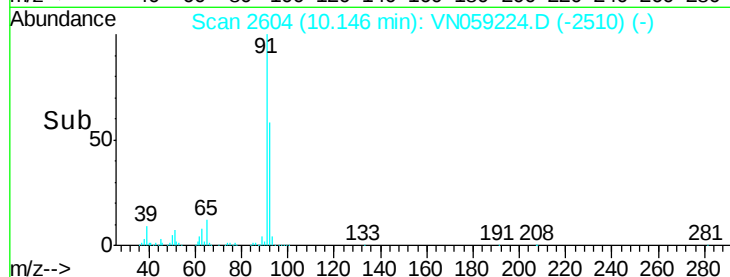
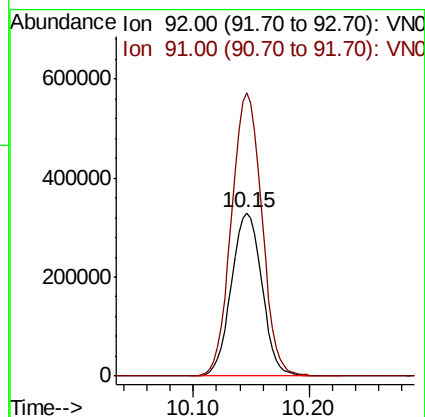
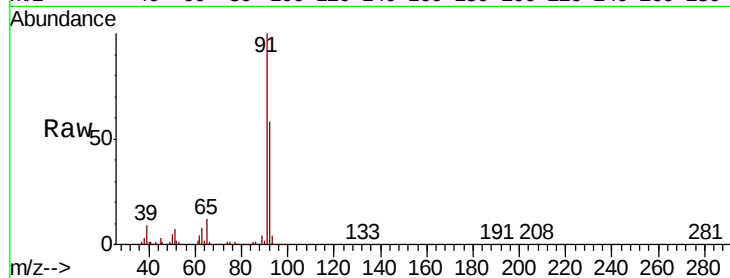
30535DL

Tot Ion: 92 Resp: 604217

Ion Ratio Lower Upper

92 100

91 172.4 139.5 209.3



#59

2-Hexanone

Concen: 3.143 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059224.D

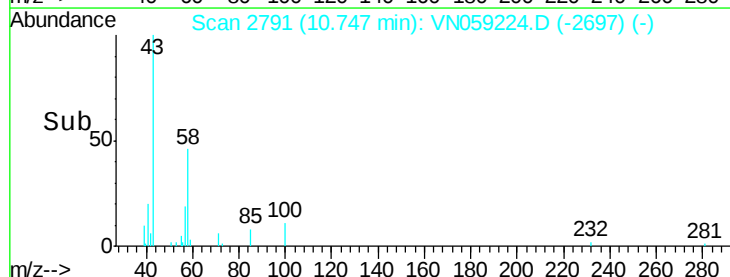
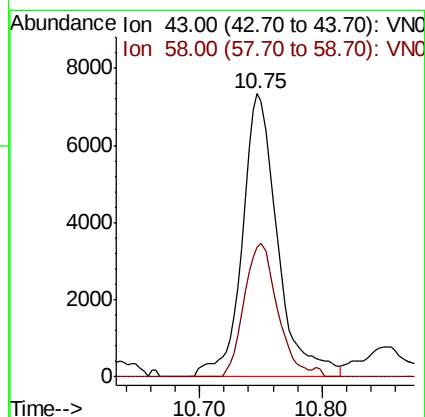
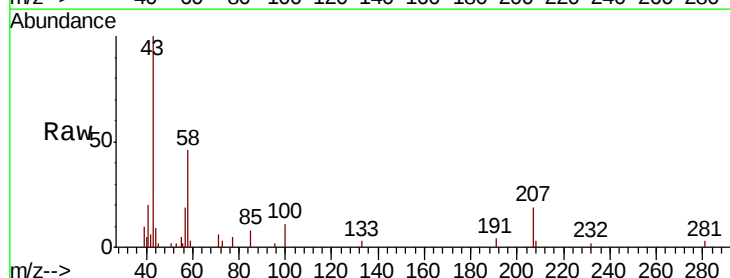
Acq: 14 Nov 2019 11:41

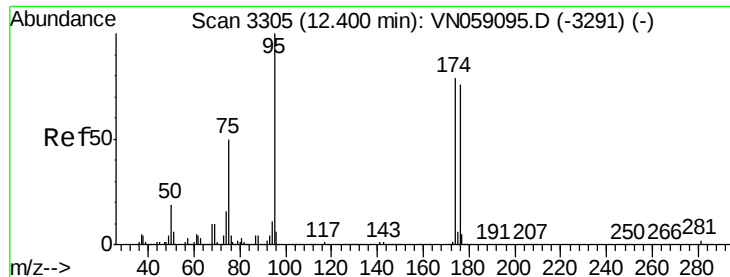
Tgt Ion: 43 Resp: 14611

Ion Ratio Lower Upper

43 100

58 44.9 27.3 81.8

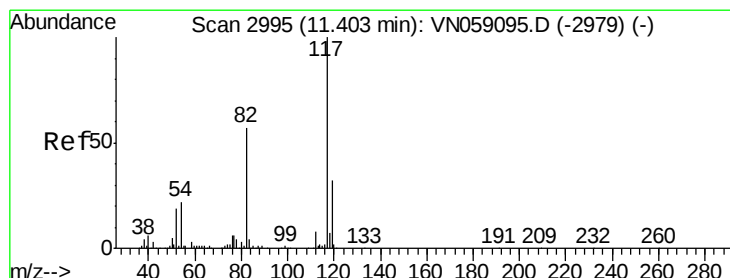
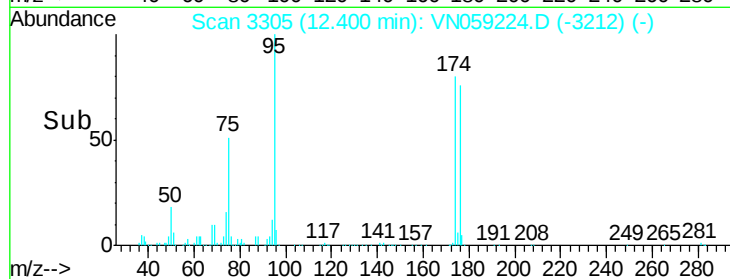
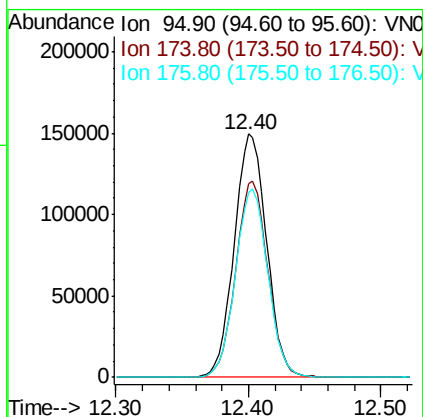
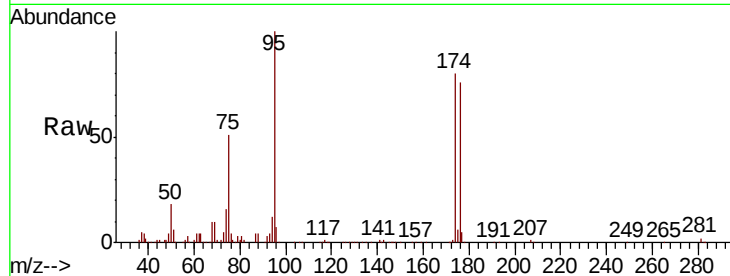




#62
4-Bromofluorobenzene
Concen: 46.399 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

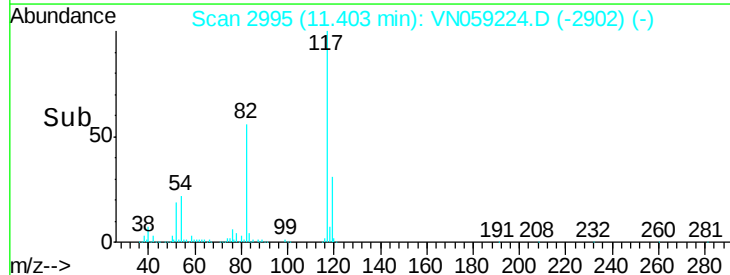
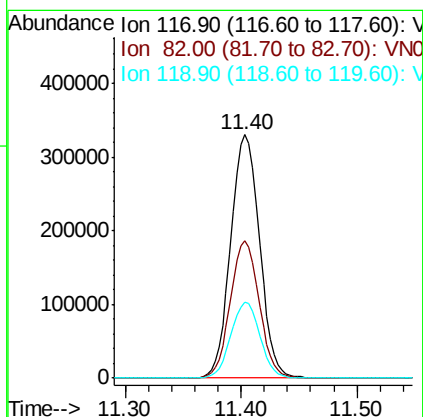
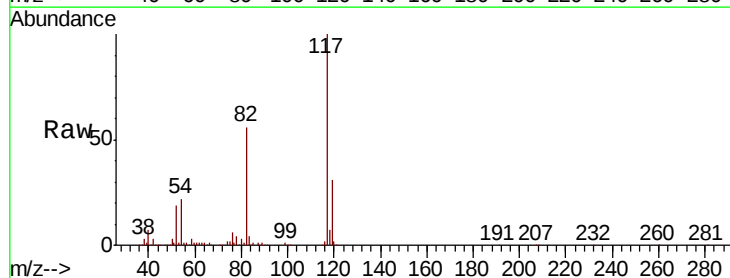
Instrument :
MSVOA_N
ClientSampleId :
30535DL

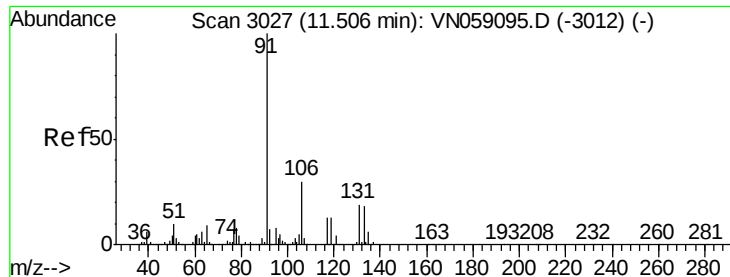
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	158.2
176	77.3	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.8	68.8
119	31.3	25.8	38.6

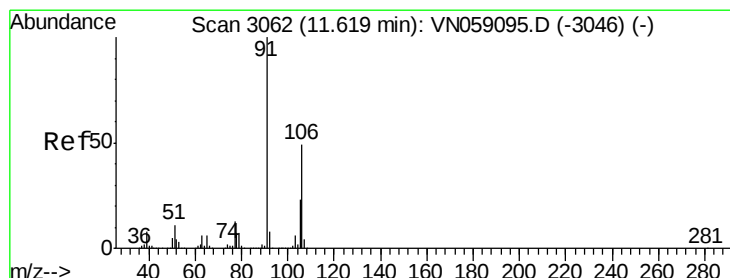
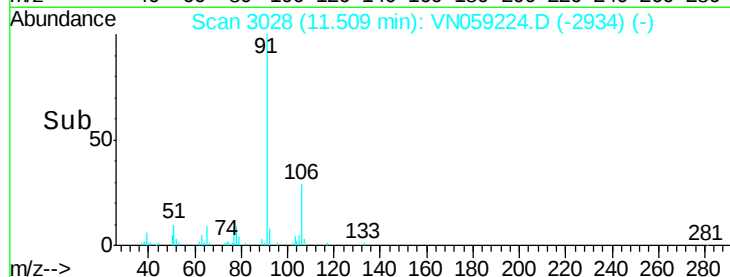
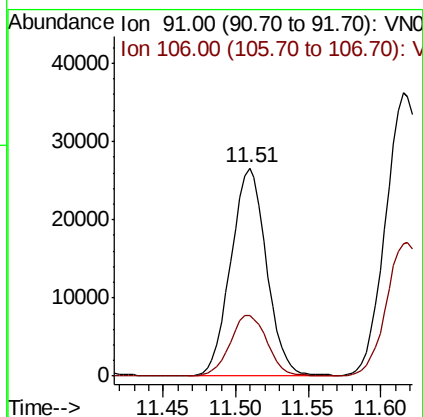
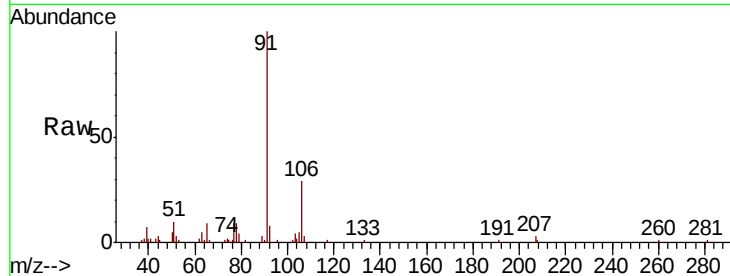




#67
Ethyl Benzene
Concen: 2.299 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

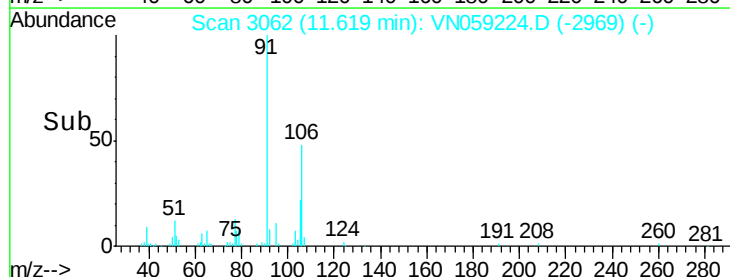
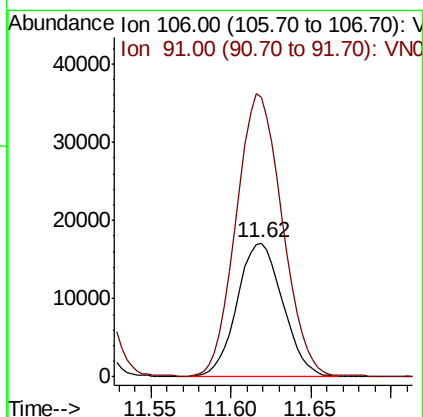
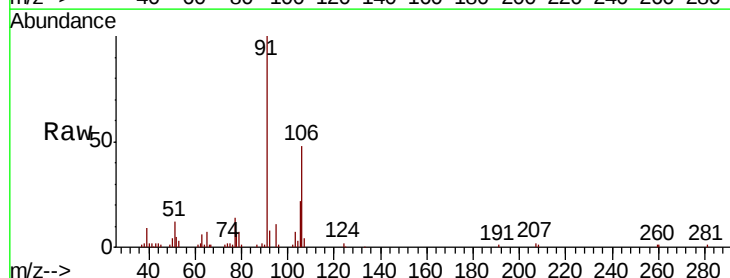
Instrument :
MSVOA_N
ClientSampleID :
30535DL

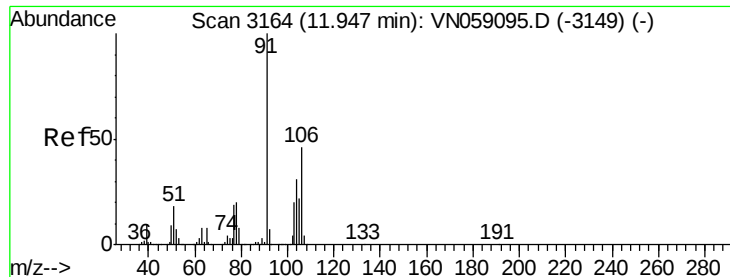
Tot Ion: 91 Resp: 45367
Ion Ratio Lower Upper
91 100
106 29.0 24.1 36.1



#68
m/p-Xylenes
Concen: 4.527 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

Tgt Ion: 106 Resp: 33455
Ion Ratio Lower Upper
106 100
91 213.9 164.7 247.1

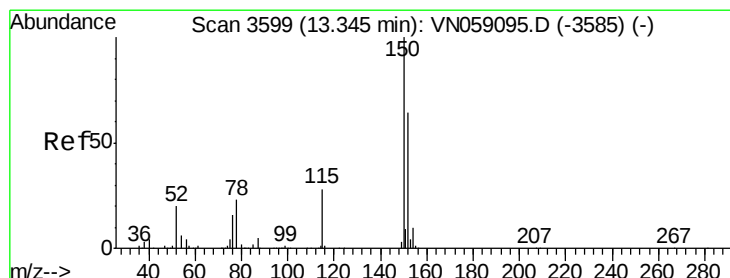
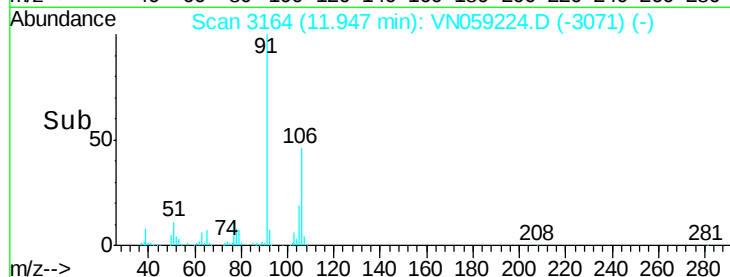
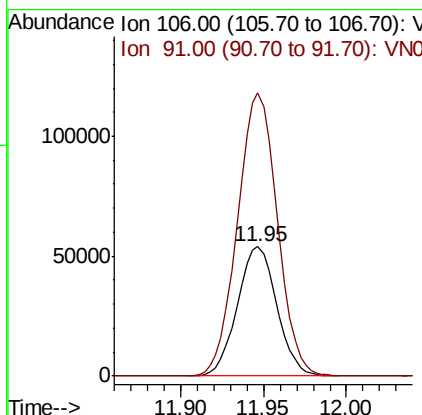
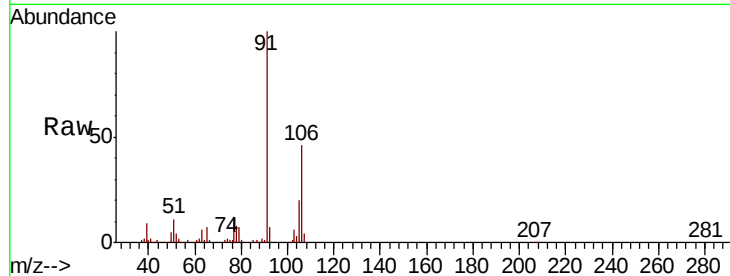




#69
o-Xylene
Concen: 12.515 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

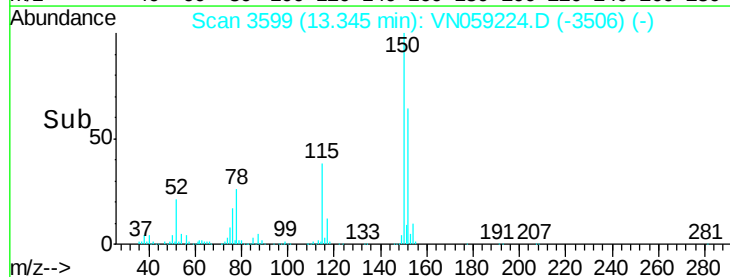
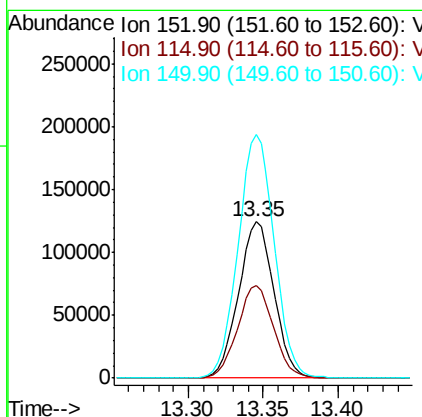
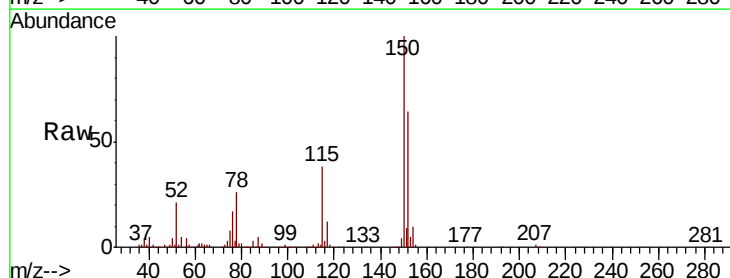
Instrument :
MSVOA_N
ClientSampled :
30535DL

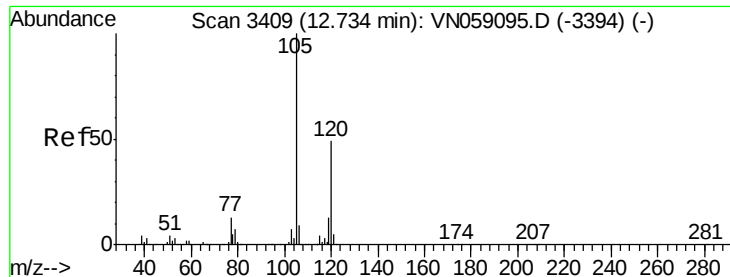
Tot Ion:106 Resp: 89388
Ion Ratio Lower Upper
106 100
91 221.5 110.1 330.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059224.D
Acq: 14 Nov 2019 11:41

Tgt Ion:152 Resp: 205356
Ion Ratio Lower Upper
152 100
115 60.2 29.4 88.2
150 158.9 0.0 345.8

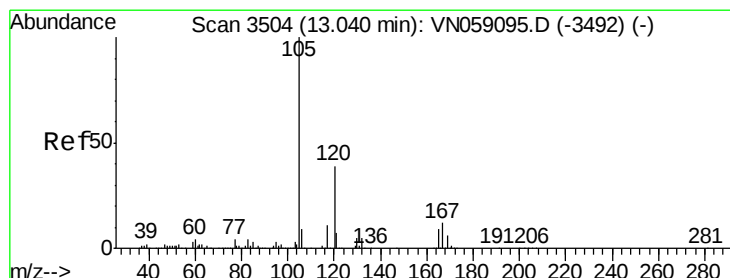
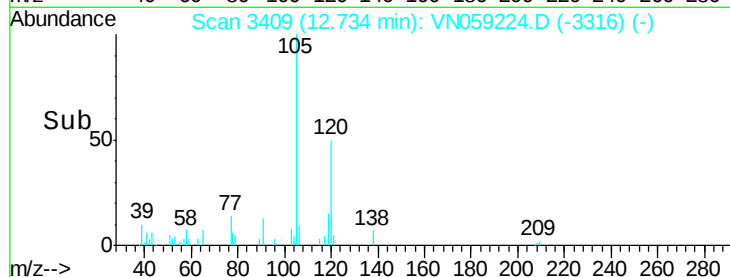
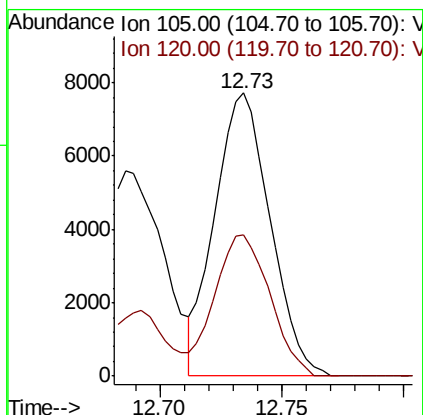
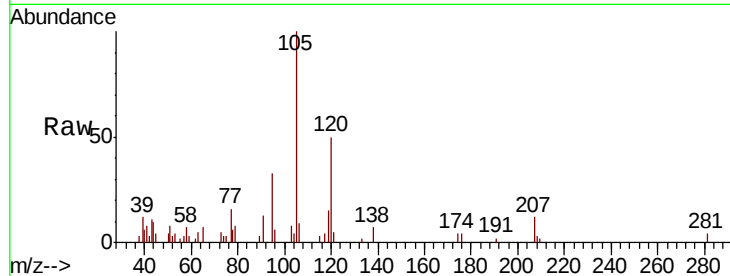




#80
 1,3,5-Trimethylbenzene
 Concen: 0.964 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

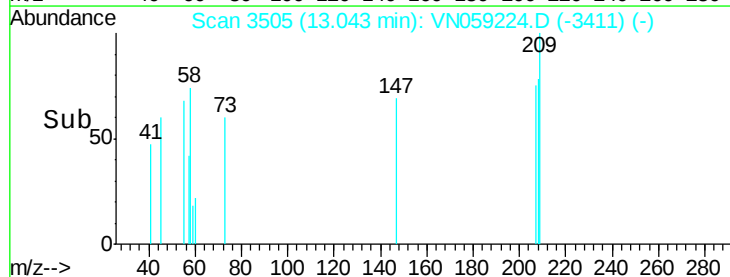
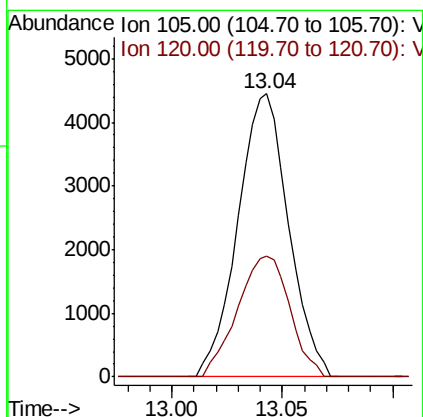
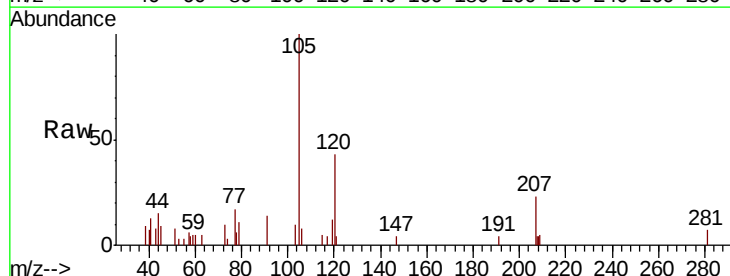
Instrument :
 MSVOA_N
 ClientSampled :
 30535DL

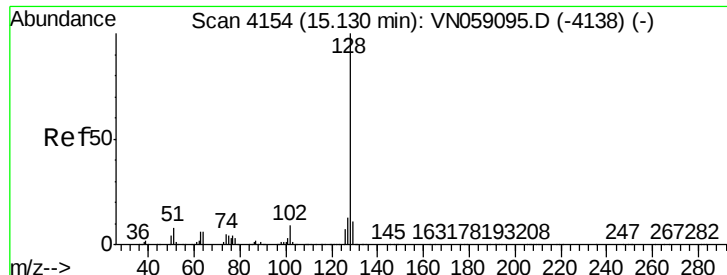
Tot Ion:105 Resp: 12207
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.0 72.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.580 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059224.D
 Acq: 14 Nov 2019 11:41

Tgt Ion:105 Resp: 7101
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.8 68.4





#95

Naphthalene

Concen: 3.961 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059224.D

Acq: 14 Nov 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

30535DL

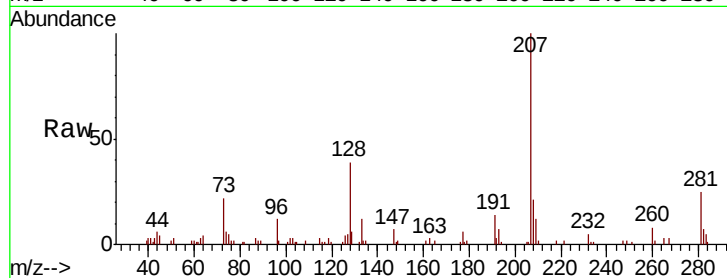
Tot Ion:128 Resp: 10385

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

129 12.4 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

