

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN062118\
 Data File : VN049473.D
 Acq On : 21 Jun 2018 17:27
 Operator : MD\SY
 Sample : J3523-01ME
 Misc : 4.48g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AREA1(S)ME

Quant Time: Jul 02 13:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1135433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1772698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1654471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	738835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	751125	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.59	113	651501	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
50) Toluene-d8	10.09	98	2669941	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	861077	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

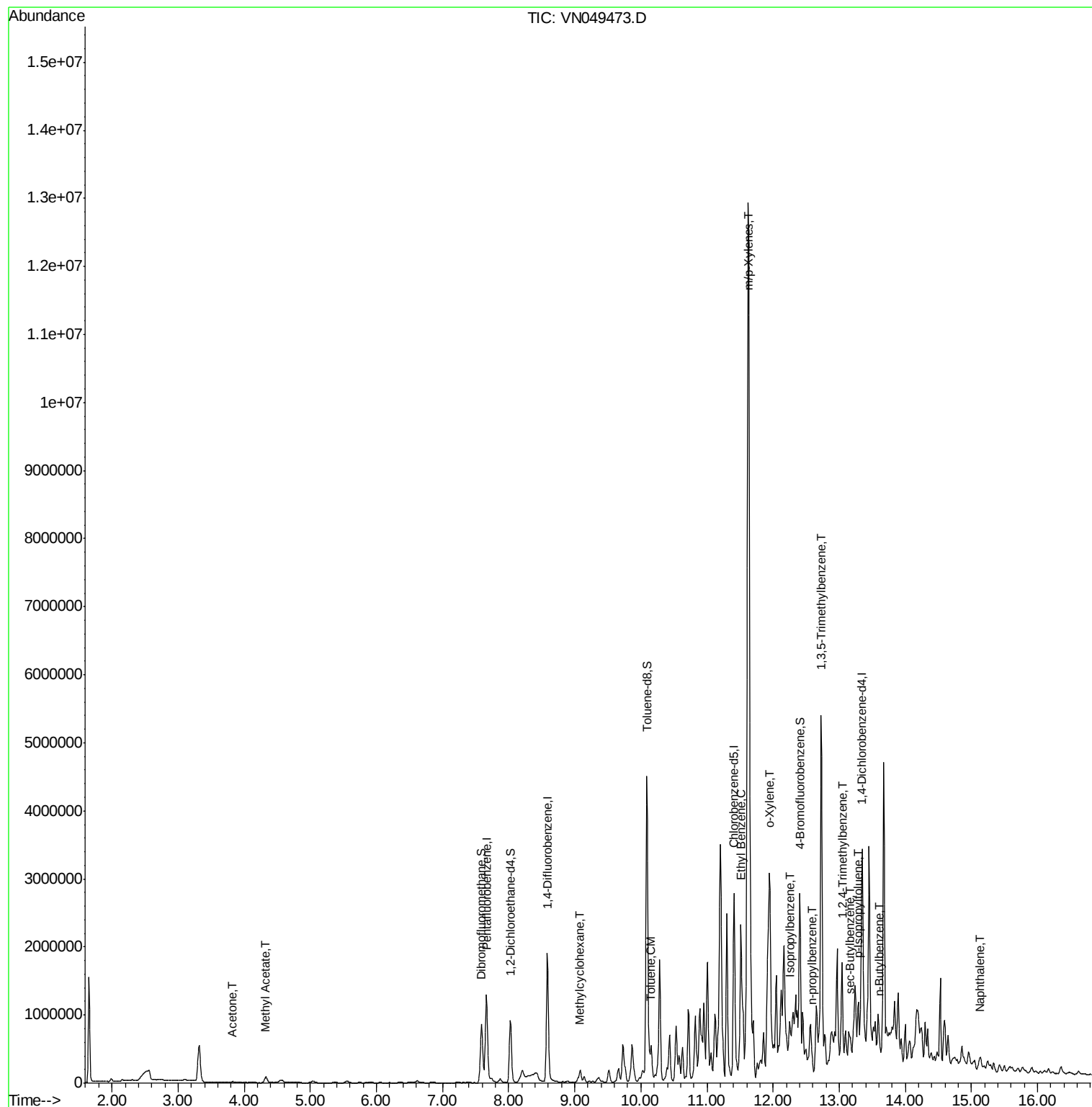
						Qvalue
16) Acetone	3.82	43	16970	4.64	ug/l	# 83
18) Methyl Acetate	4.33	43	166864	14.97	ug/l	97
39) Methylcyclohexane	9.08	83	57708	2.65	ug/l	94
52) Toluene	10.16	92	208661	5.71	ug/l	97
67) Ethyl Benzene	11.51	91	1614129	22.83	ug/l	97
68) m/p-Xylenes	11.62	106	3096348	116.71	ug/l	98
69) o-Xylene	11.95	106	607712	23.78	ug/l	96
73) Isopropylbenzene	12.25	105	80551	1.24	ug/l	95
78) n-propylbenzene	12.59	91	170662	2.40	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	332370	6.52	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	731480	14.44	ug/l	98
85) sec-Butylbenzene	13.17	105	68874	1.15	ug/l	# 69
86) p-Isopropyltoluene	13.29	119	64336	1.28	ug/l	96
89) n-Butylbenzene	13.62	91	56484	1.44	ug/l	# 63
95) Naphthalene	15.14	128	134476	8.53	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

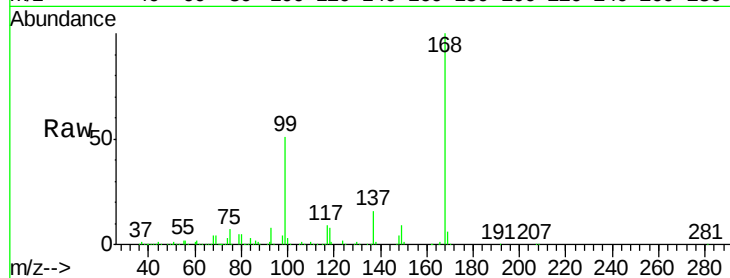
AREA1(S)ME

Tot Ion:168 Resp: 1135433

Ion Ratio Lower Upper

168 100

99 51.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

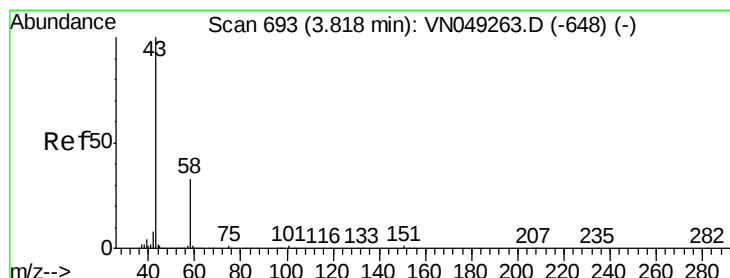
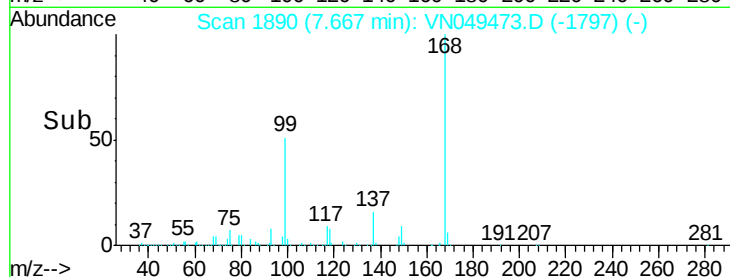
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 4.64 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049473.D

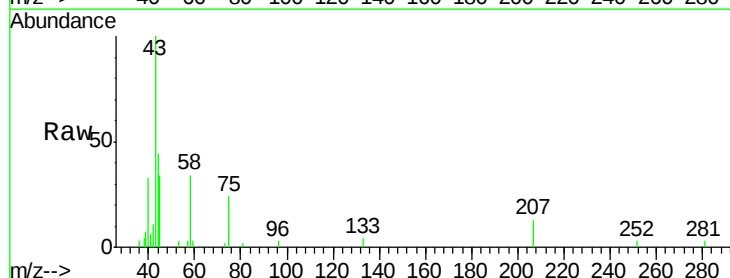
Acq: 21 Jun 2018 17:27

Tgt Ion: 43 Resp: 16970

Ion Ratio Lower Upper

43 100

58 37.1 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

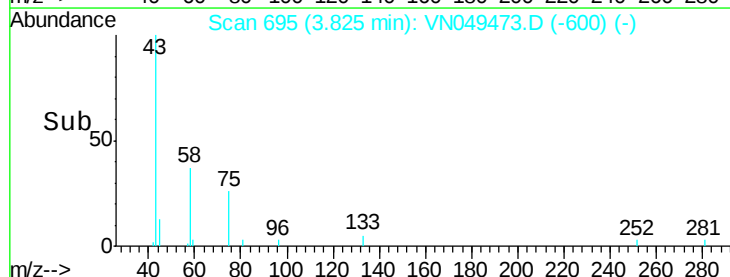
6000

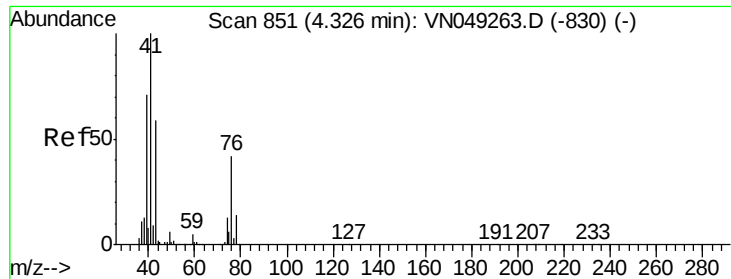
4000

2000

0

Time--> 3.75 3.80 3.85 3.90

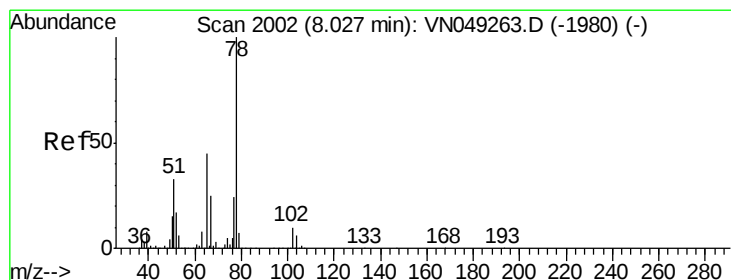
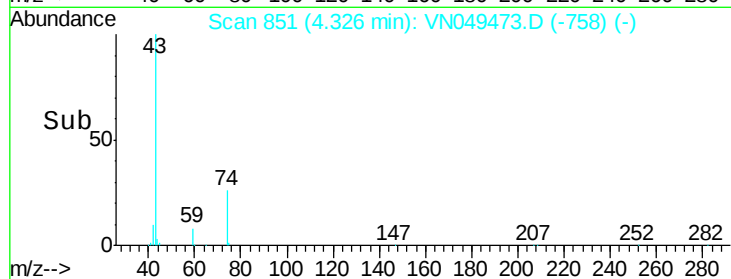
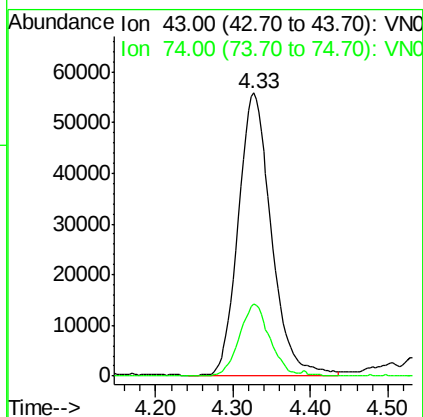
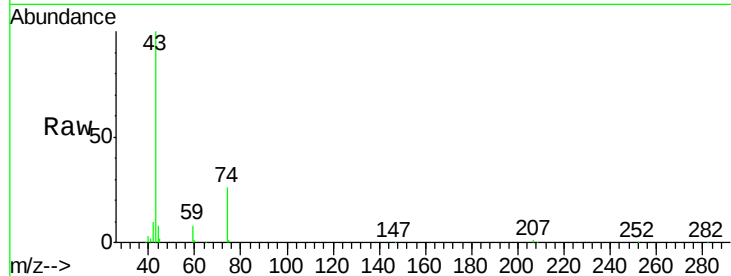




#18
Methvl Acetate
Concen: 14.97 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

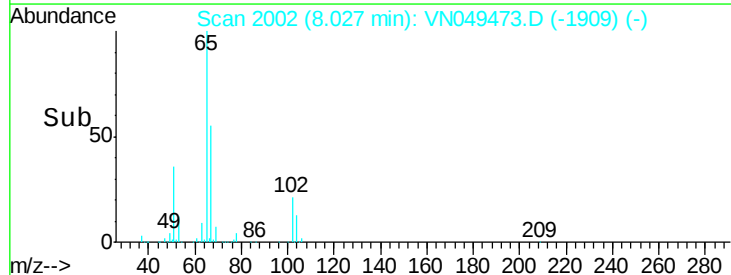
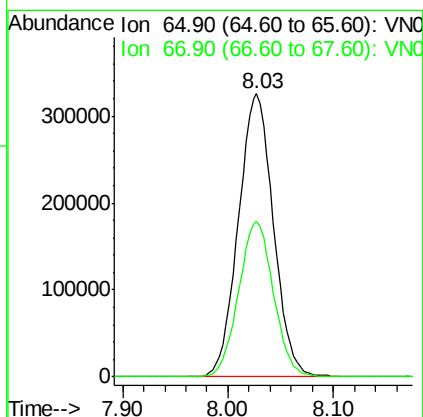
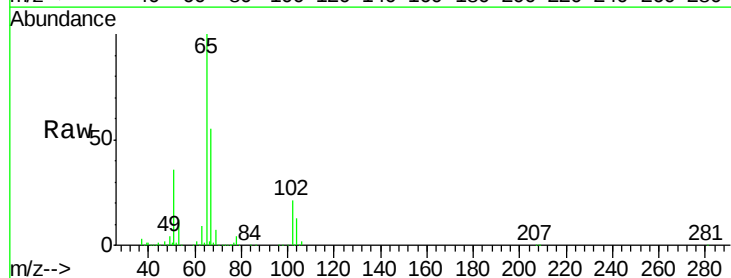
Instrument :
MSVOA_N
ClientSampleId :
AREA1(S)ME

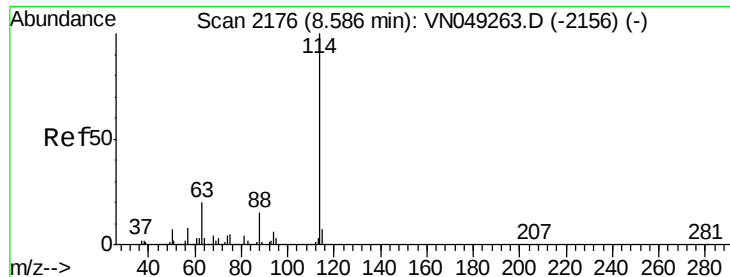
Tot Ion: 43 Resp: 166864
Ion Ratio Lower Upper
43 100
74 23.3 17.4 26.0



#33
1,2-Dichloroethane-d4
Concen: 49.88 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

Tgt Ion: 65 Resp: 751125
Ion Ratio Lower Upper
65 100
67 54.7 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

AREA1(S)ME

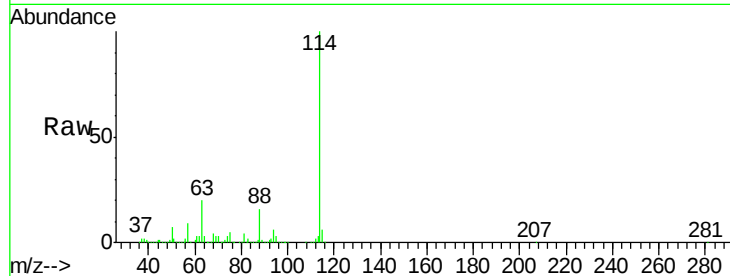
Tot Ion:114 Resp: 1772698

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

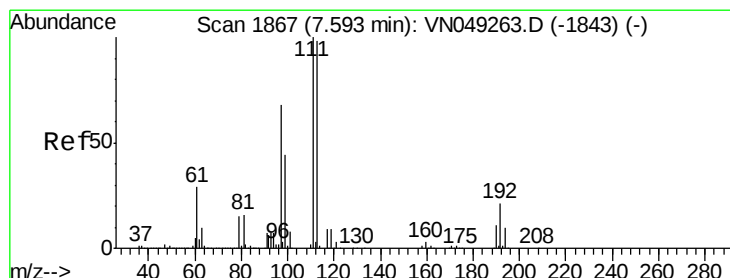
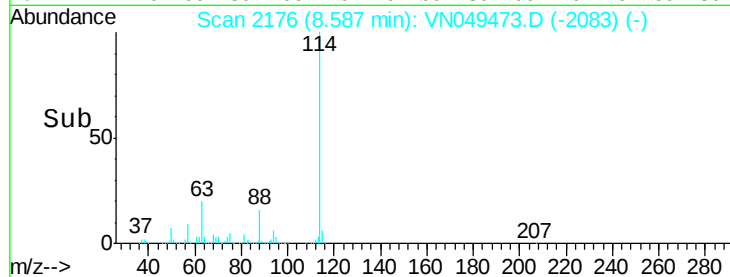
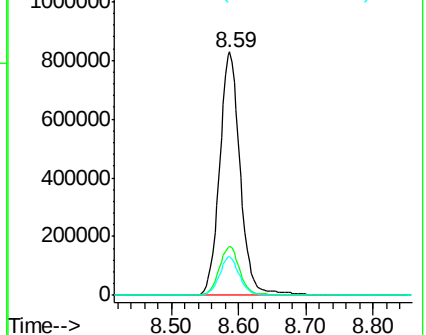
88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 45.43 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

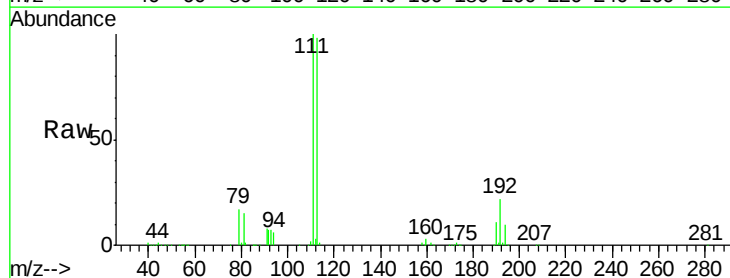
Tgt Ion:113 Resp: 651501

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

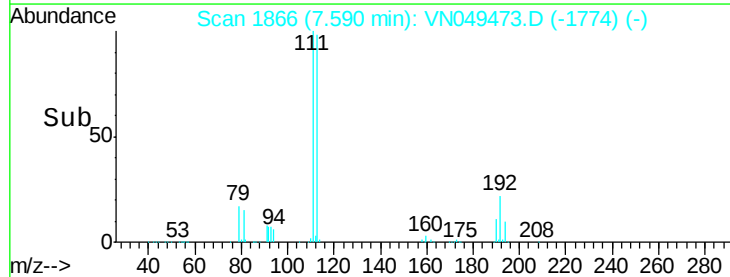
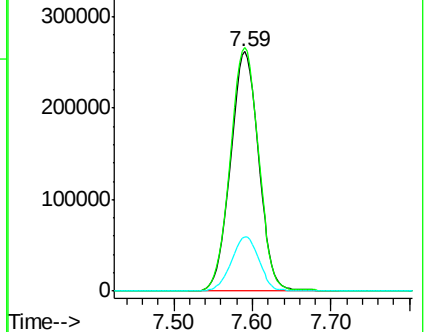
192 22.5 15.0 22.6

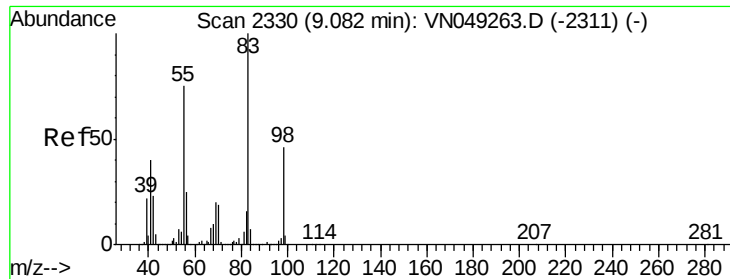


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

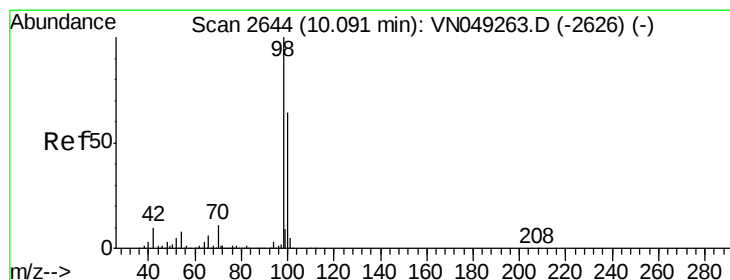
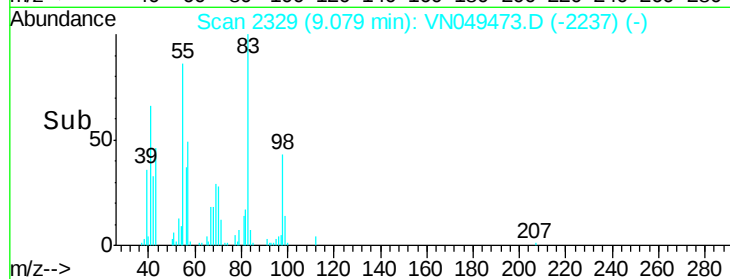
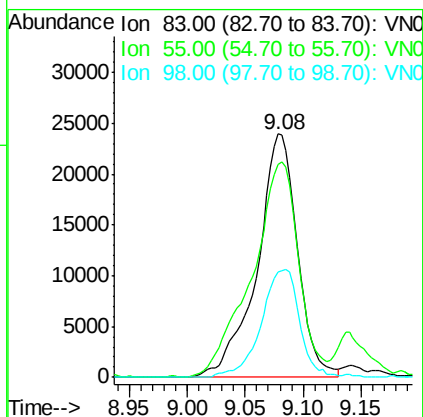
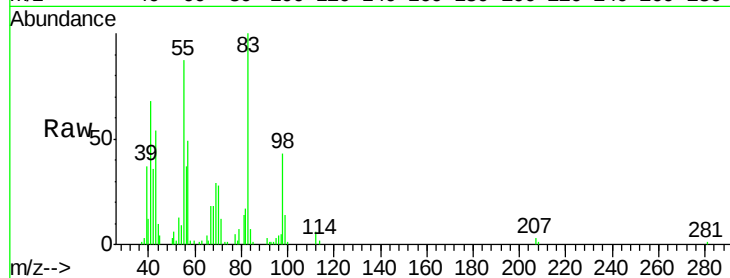




#39
Methvlcvclohexane
Concen: 2.65 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

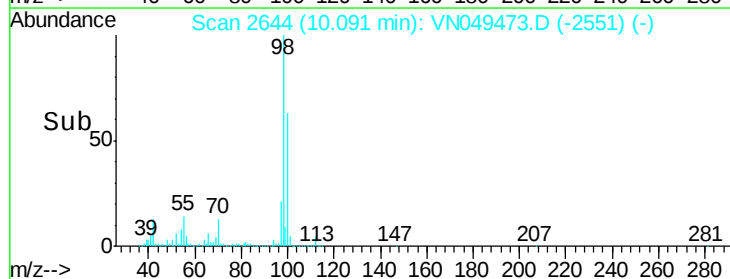
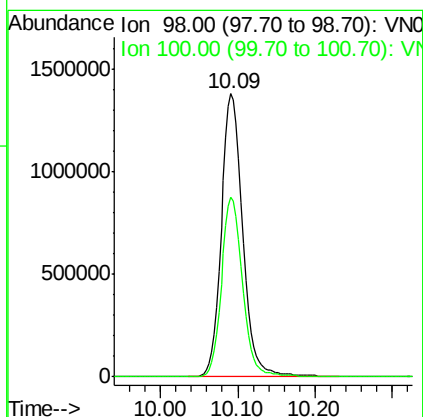
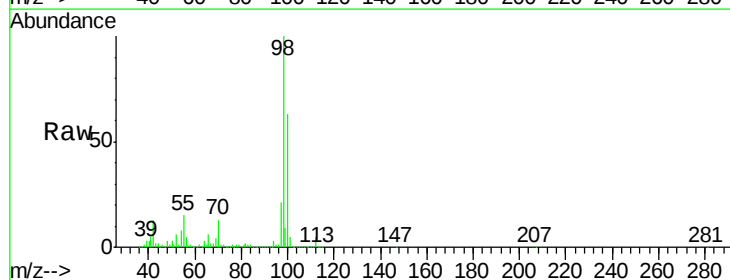
Instrument :
MSVOA_N
ClientSampleId :
AREA1(S)ME

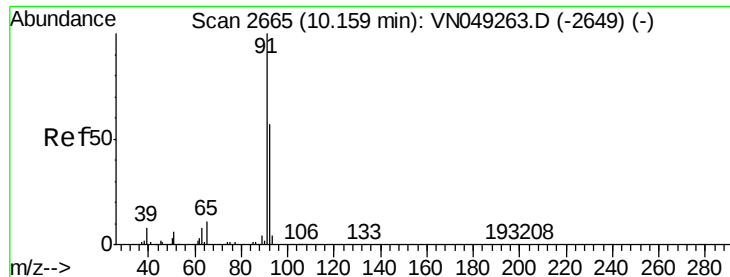
Tot Ion: 83 Resp: 57708
Ion Ratio Lower Upper
83 100
55 87.3 65.1 97.7
98 43.0 36.5 54.7



#50
Toluene-d8
Concen: 48.89 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

Tgt Ion: 98 Resp: 2669941
Ion Ratio Lower Upper
98 100
100 62.7 49.8 74.8





#52

Toluene

Concen: 5.71 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

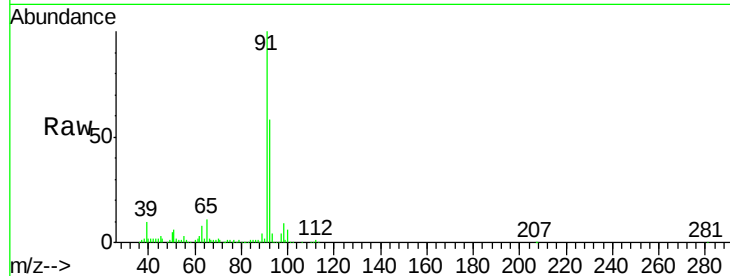
AREA1(S)ME

Tot Ion: 92 Resp: 208661

Ion Ratio Lower Upper

92 100

91 174.4 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

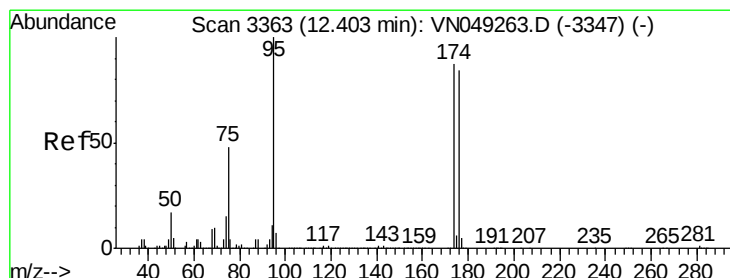
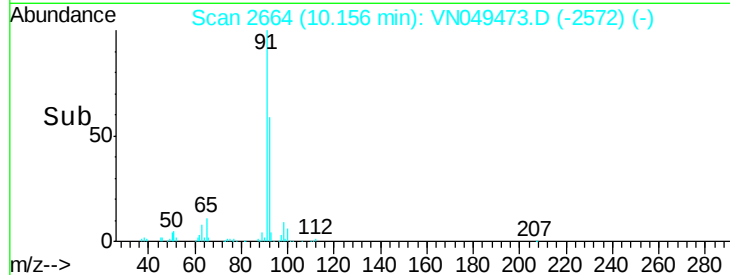
100000

50000

0

10.10 10.15 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 47.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

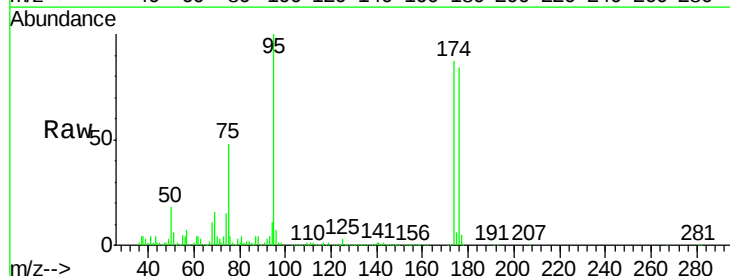
Tgt Ion: 95 Resp: 861077

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.6

176 85.4 0.0 157.4



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

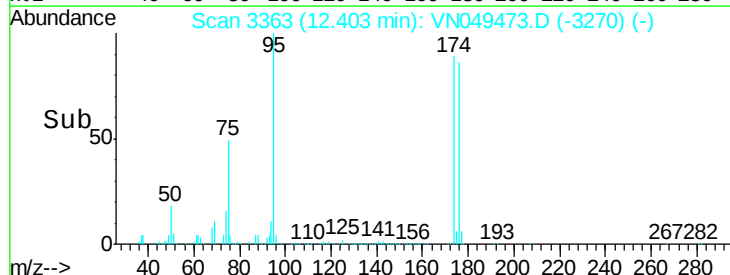
400000

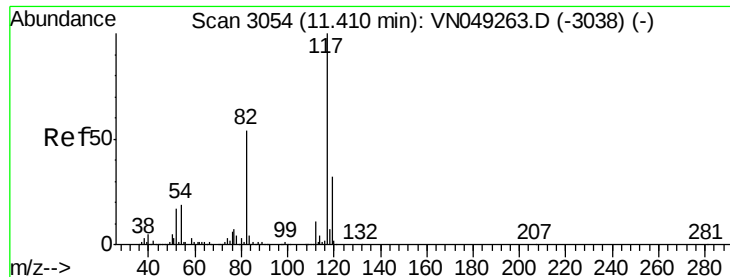
200000

0

12.35 12.40 12.45

Time-->

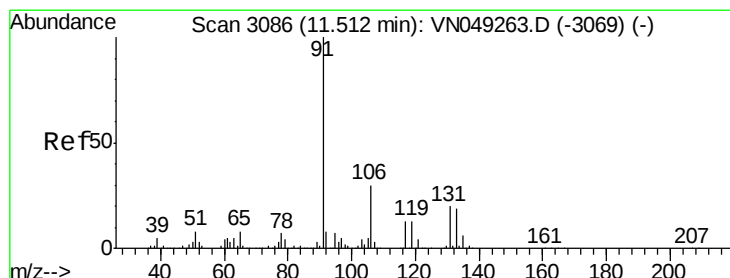
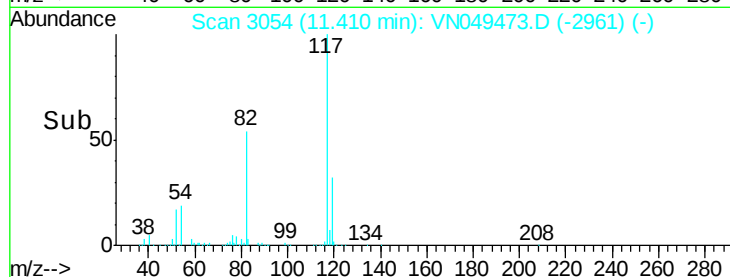
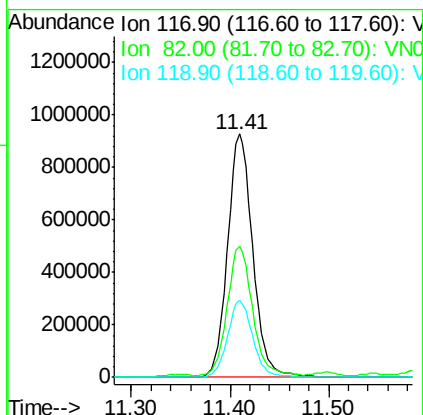
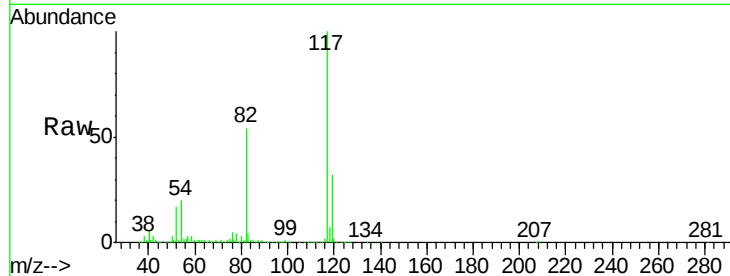




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

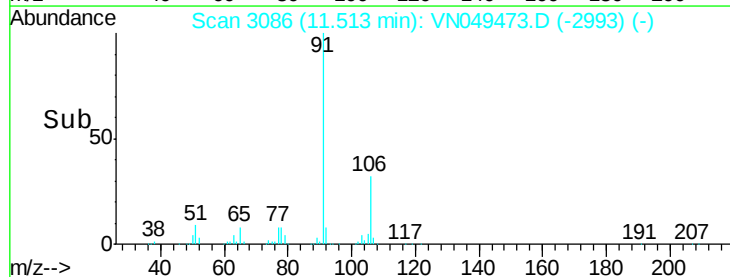
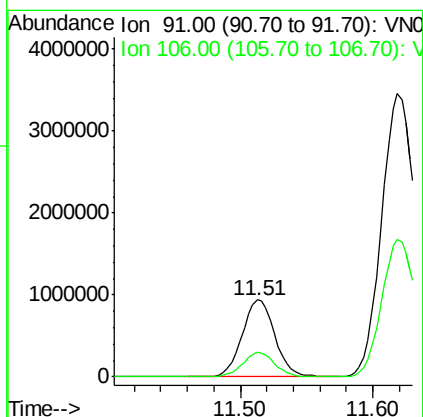
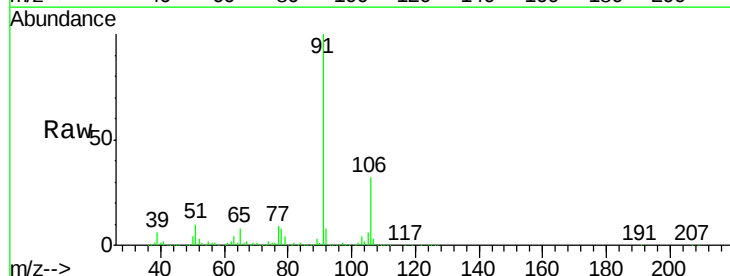
Instrument :
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AREA1(S)ME

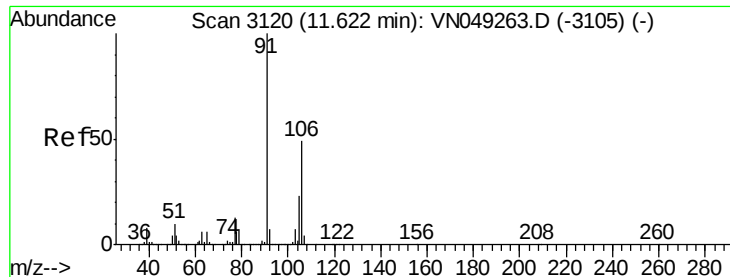
Tot Ion:117 Resp: 1654471
Ion Ratio Lower Upper
117 100
82 53.0 45.9 68.9
119 31.5 25.5 38.3



#67
Ethyl Benzene
Concen: 22.83 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

Tgt Ion: 91 Resp: 1614129
Ion Ratio Lower Upper
91 100
106 31.6 23.9 35.9





#68

m/p-Xylenes

Concen: 116.71 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

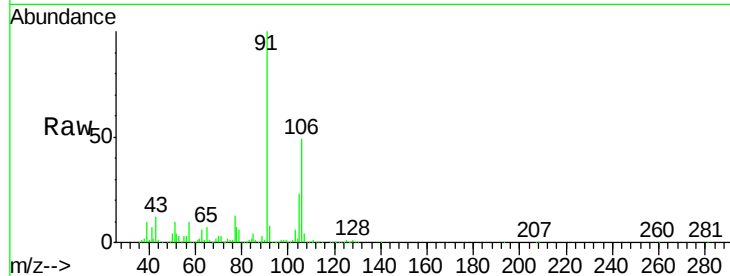
AREA1(S)ME

Tot Ion:106 Resp: 3096348

Ion Ratio Lower Upper

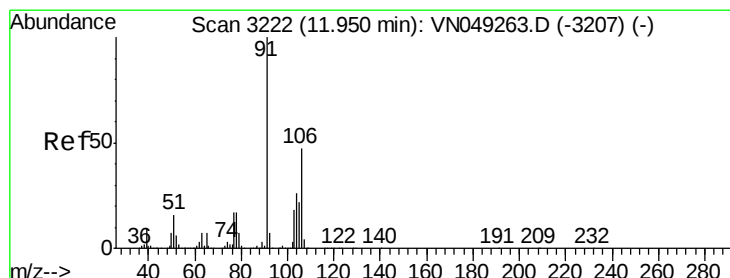
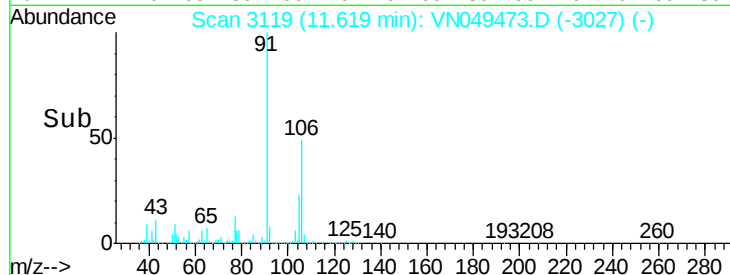
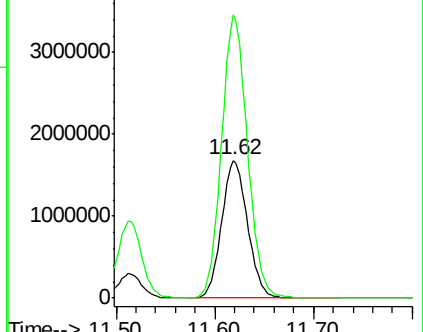
106 100

91 205.3 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 23.78 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049473.D

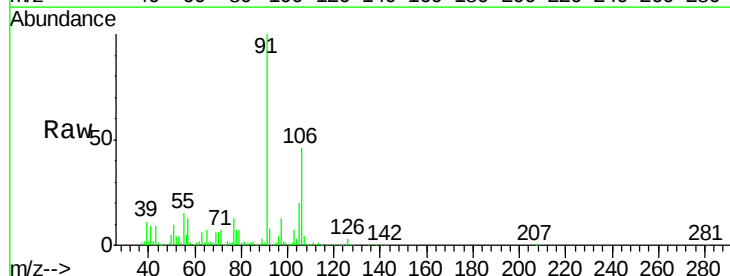
Acq: 21 Jun 2018 17:27

Tgt Ion:106 Resp: 607712

Ion Ratio Lower Upper

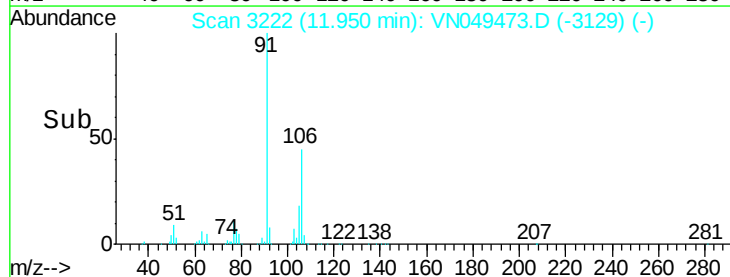
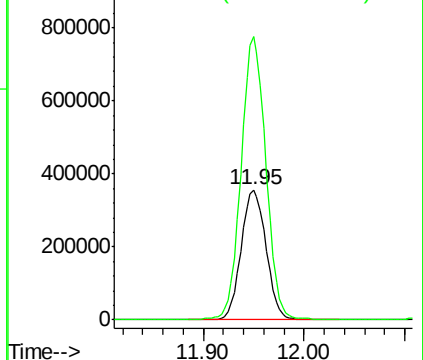
106 100

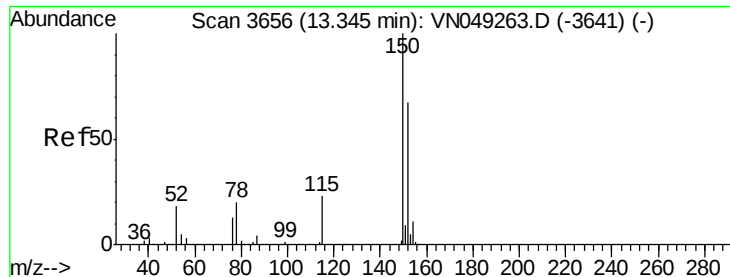
91 215.1 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

AREA1(S)ME

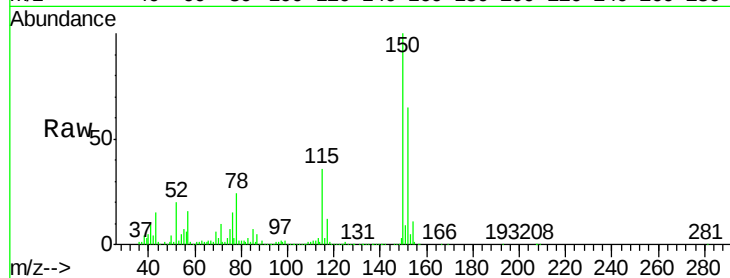
Tot Ion:152 Resp: 738835

Ion Ratio Lower Upper

152 100

115 57.4 28.7 86.1

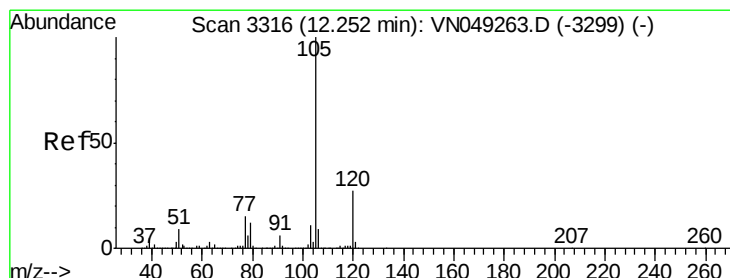
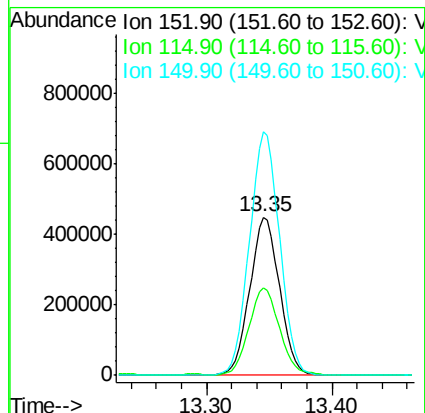
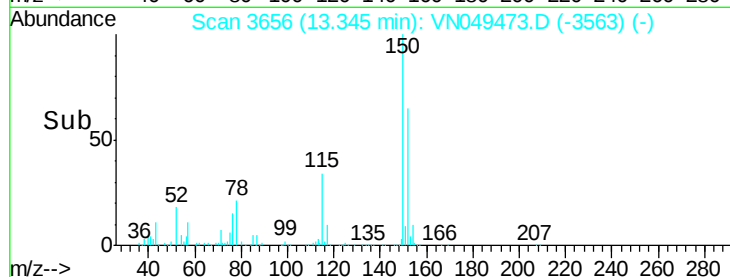
150 155.9 0.0 351.0



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



#73

Isopropylbenzene

Concen: 1.24 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049473.D

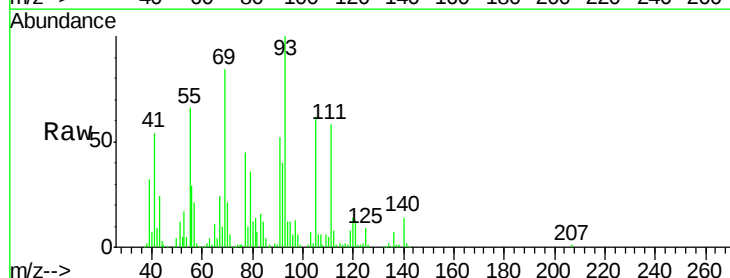
Acq: 21 Jun 2018 17:27

Tgt Ion:105 Resp: 80551

Ion Ratio Lower Upper

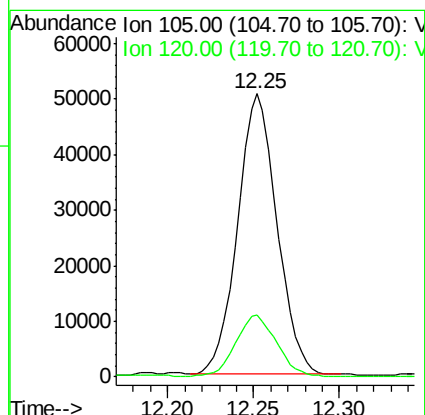
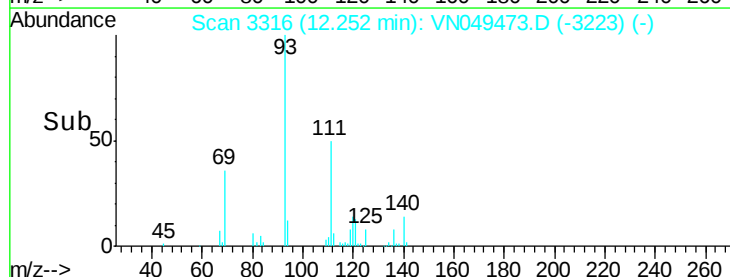
105 100

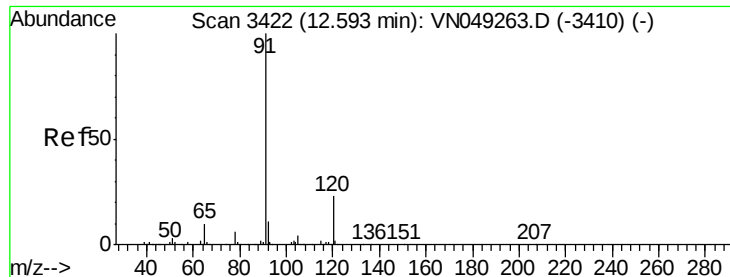
120 23.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.40 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049473.D

Acq: 21 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

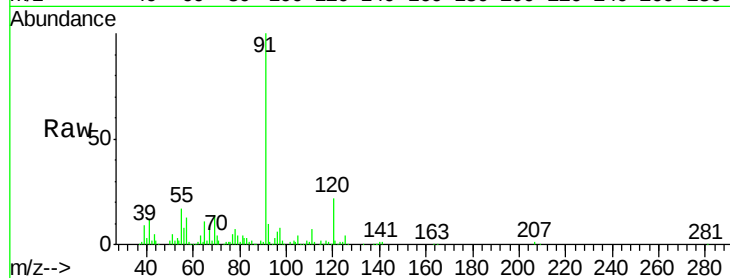
AREA1(S)ME

Tot Ion: 91 Resp: 170662

Ion Ratio Lower Upper

91 100

120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN049473.D (-3329) (-)

Ion 120.00 (119.70 to 120.70): VN049473.D (-3329) (-)

12.59

120000

100000

80000

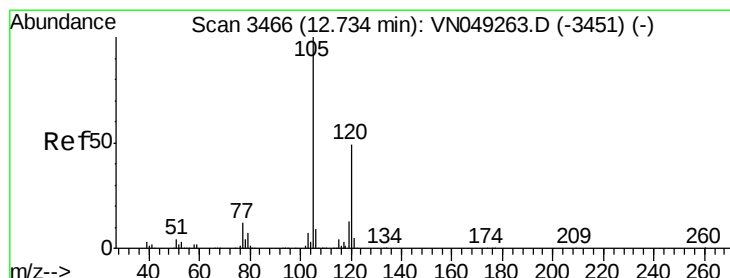
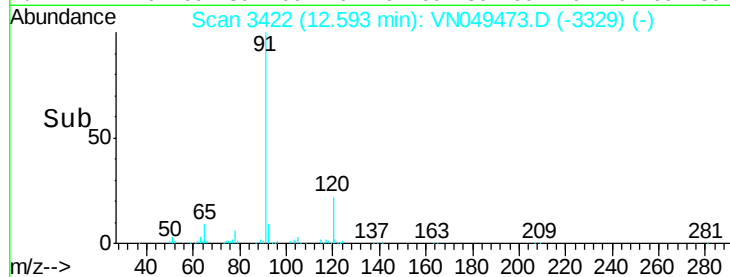
60000

40000

20000

0

Time--> 12.50 12.55 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 6.52 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049473.D

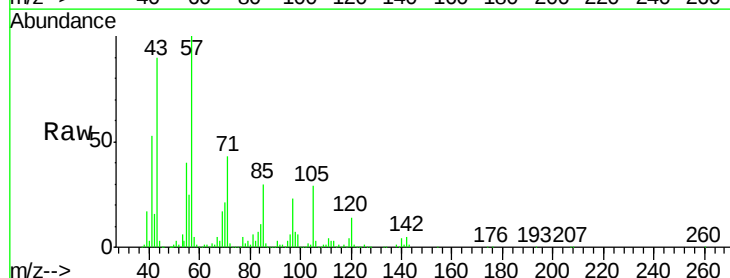
Acq: 21 Jun 2018 17:27

Tgt Ion: 105 Resp: 332370

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049473.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049473.D (-3373) (-)

12.73

250000

200000

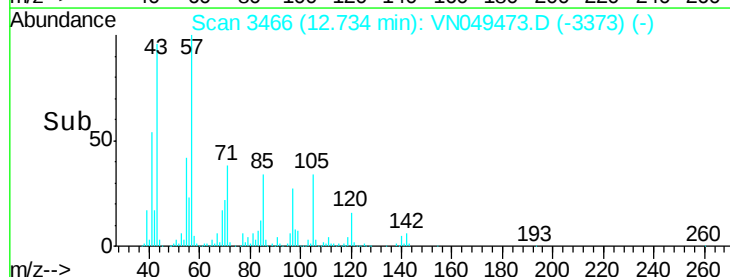
150000

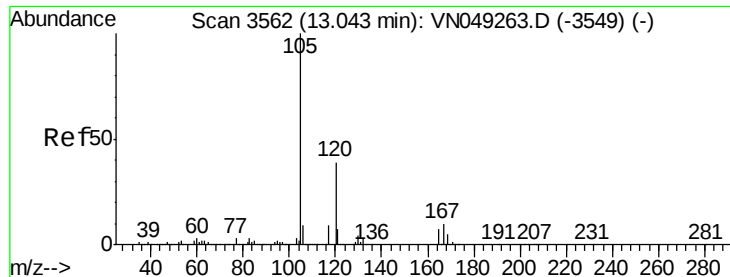
100000

50000

0

Time--> 12.70 12.75 12.80

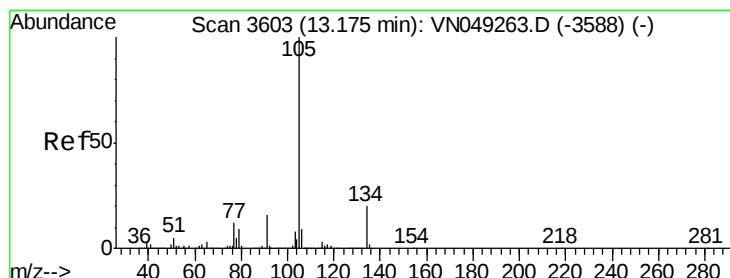
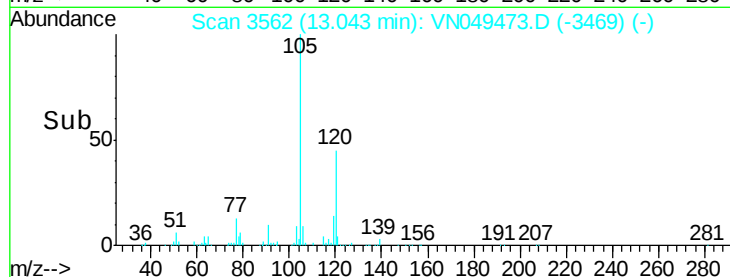
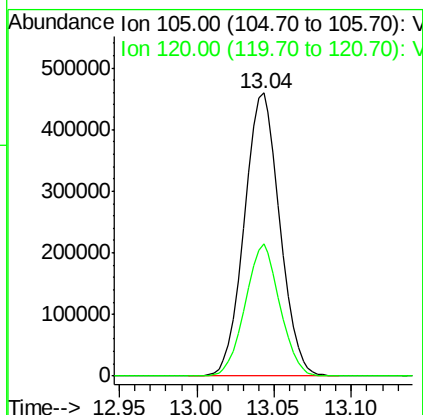
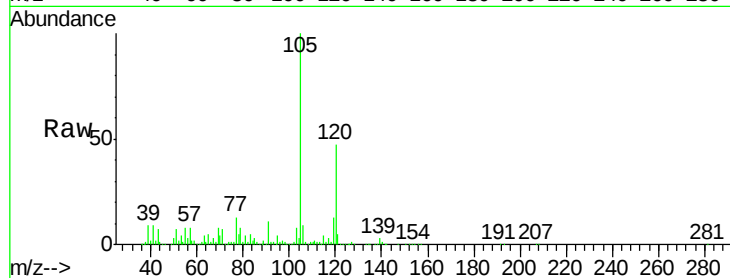




#84
 1,2,4-Trimethylbenzene
 Concen: 14.44 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049473.D
 Acq: 21 Jun 2018 17:27

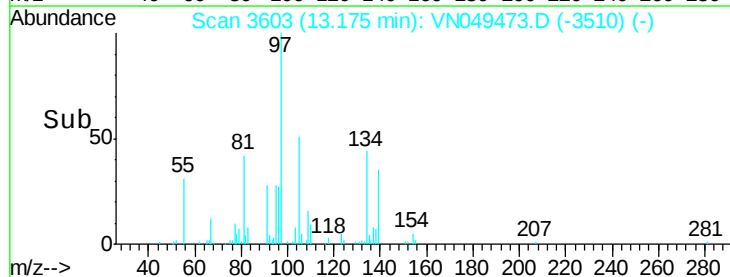
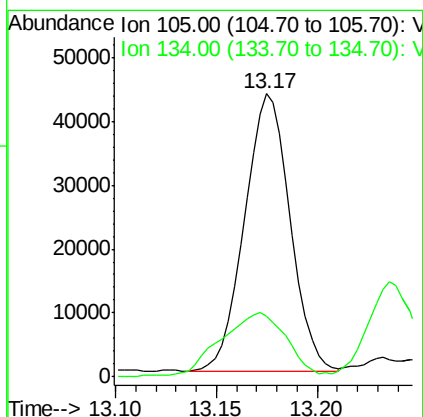
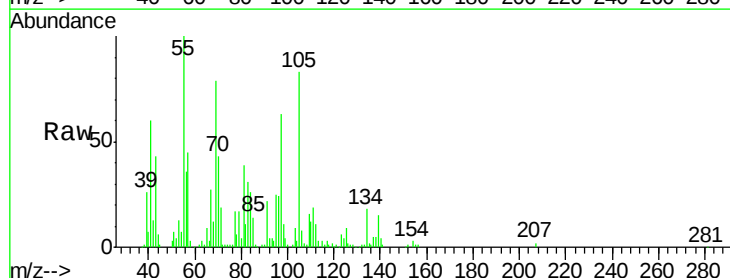
Instrument :
 MSVOA_N
 ClientSampled :
 AREA1(S)ME

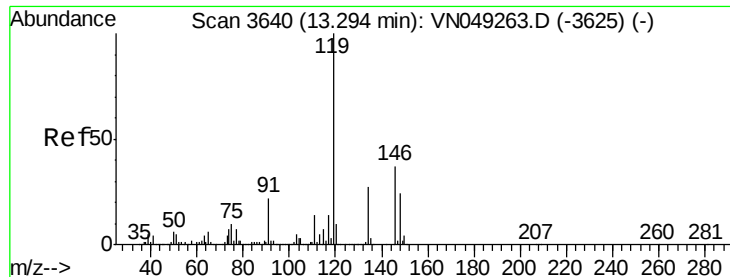
Tot Ion:105 Resp: 731480
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 1.15 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049473.D
 Acq: 21 Jun 2018 17:27

Tgt Ion:105 Resp: 68874
 Ion Ratio Lower Upper
 105 100
 134 33.7 9.8 29.3#

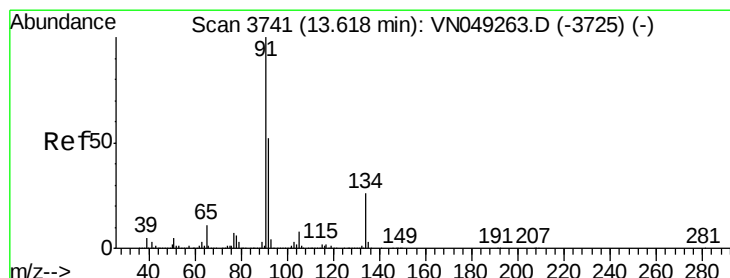
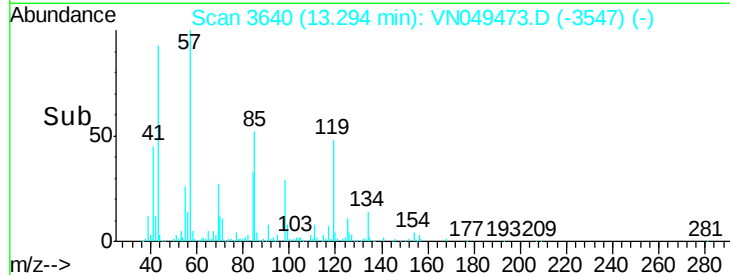
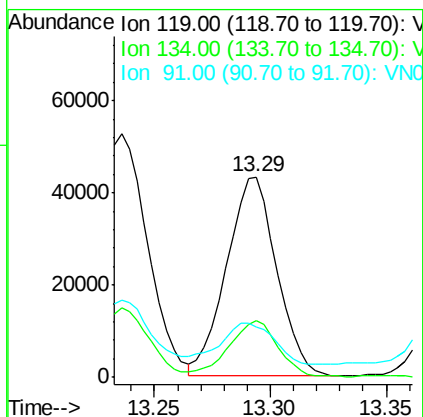
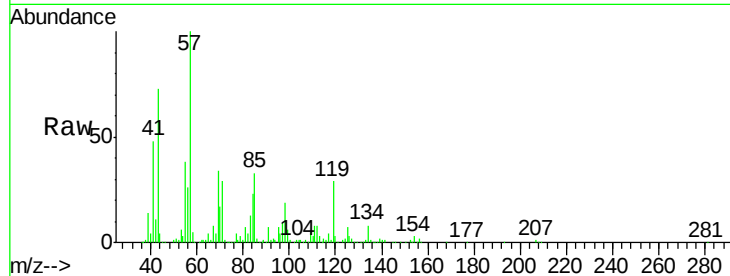




#86
p-Isopropyltoluene
Concen: 1.28 ug/l
RT: 13.29 min Scan# 3640
Delta R.T. 0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

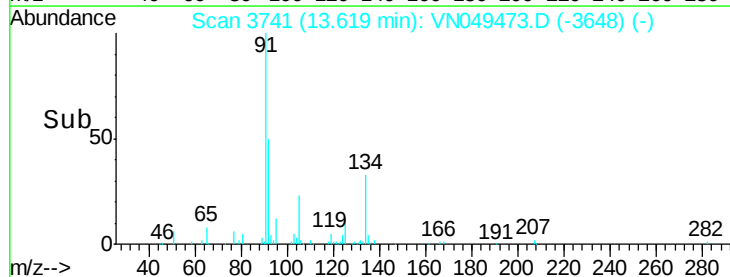
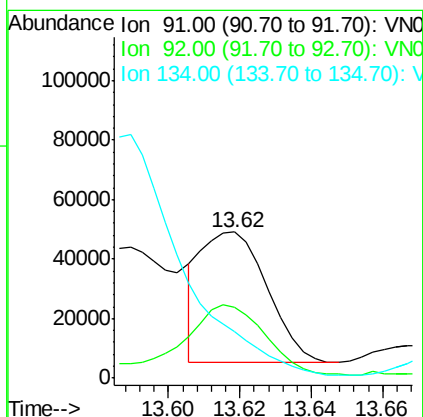
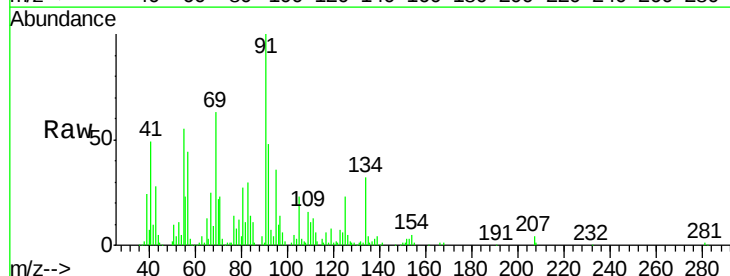
Instrument :
MSVOA_N
ClientSampled :
AREA1(S)ME

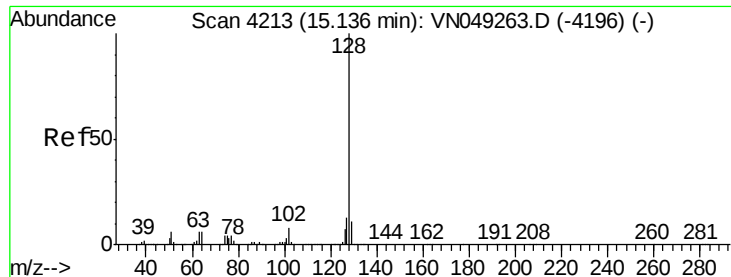
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	12.9	38.6
91	22.5	12.1	36.3



#89
n-Butylbenzene
Concen: 1.44 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049473.D
Acq: 21 Jun 2018 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	71.8	25.1	75.4
134	0.0	12.0	36.0





#95

Naphthalene

Concen: 8.53 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049473.D

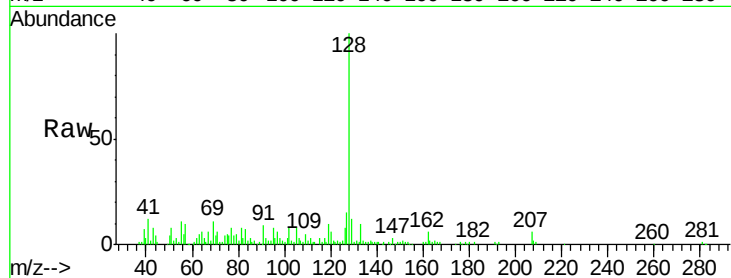
Acq: 21 Jun 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

AREA1(S)ME



Tot Ion:128 Resp: 134476

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.4 8.5 12.7

