

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054224.D
 Acq On : 13 Mar 2019 20:30
 Operator : JC/SP
 Sample : K1844-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-1-3

Quant Time: Mar 14 08:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1364256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2263252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2352680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1086772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	758213	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.59	113	711665	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.09	98	2784874	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	1086262	57.59	ug/l	0.00
Spiked Amount			Recovery	=	115.18%	

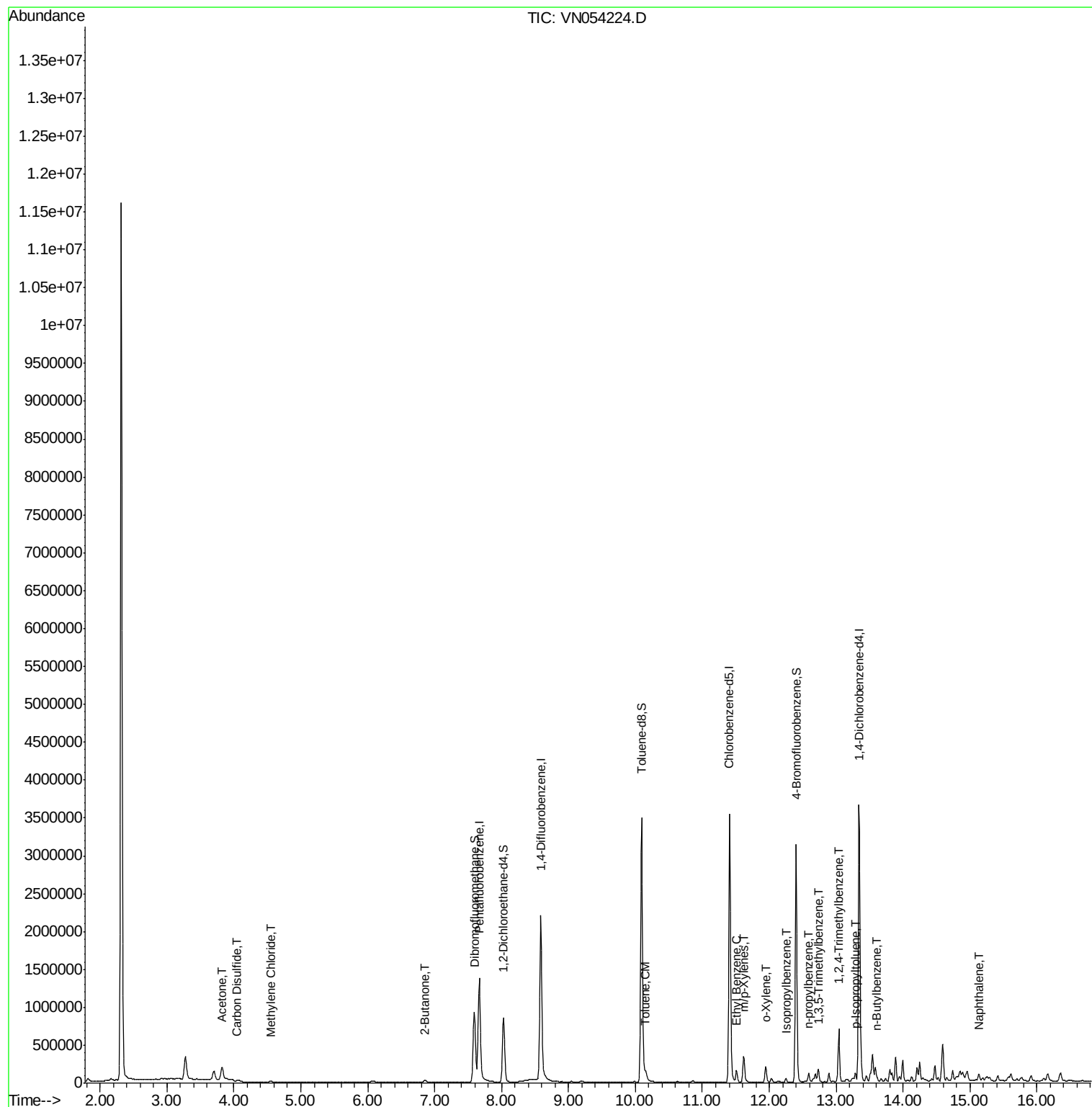
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	267327	64.441	ug/l	100
17) Carbon Disulfide	4.04	76	20879	0.588	ug/l	98
20) Methylene Chloride	4.56	84	8022	0.589	ug/l #	77
25) 2-Butanone	6.86	43	34954	7.179	ug/l	97
52) Toluene	10.16	92	29118	0.770	ug/l	94
67) Ethyl Benzene	11.51	91	107201	1.252	ug/l	98
68) m/p-Xylenes	11.62	106	119693	3.576	ug/l	98
69) o-Xylene	11.95	106	59814	1.833	ug/l	96
73) Isopropylbenzene	12.25	105	35378	0.407	ug/l	96
78) n-propylbenzene	12.59	91	90991	0.964	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	91984	1.272	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	425190	5.993	ug/l	99
86) p-Isopropyltoluene	13.29	119	64023	0.845	ug/l	99
89) n-Butylbenzene	13.61	91	18630	0.324	ug/l #	67
95) Naphthalene	15.13	128	76513	4.964	ug/l	99

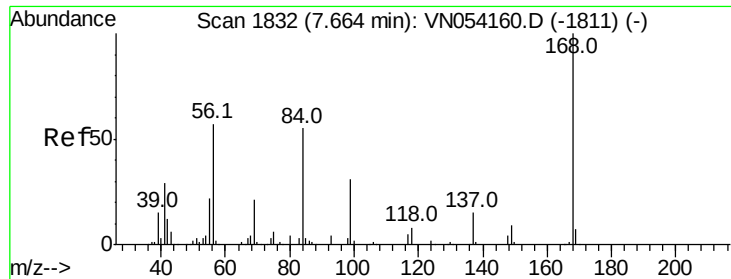
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 14 08:02:03 2019
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampleId :

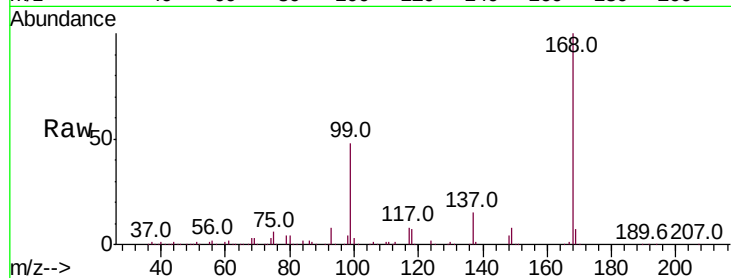
TOTE-1-3

Tot Ion:168 Resp: 1364256

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

0

7.67

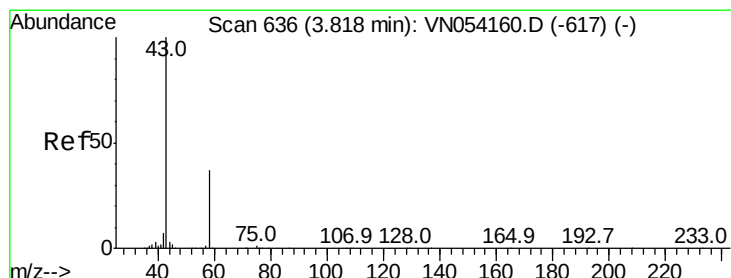
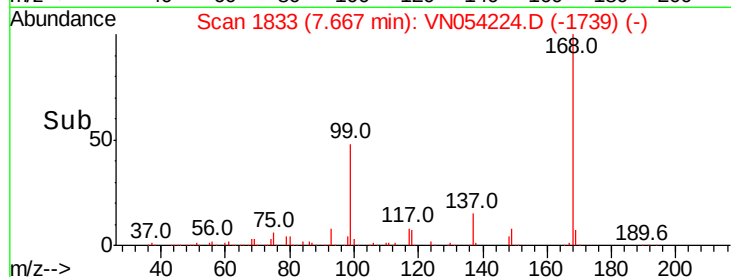
7.60

7.70

7.80

7.90

Time-->



#16

Acetone

Concen: 64.441 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054224.D

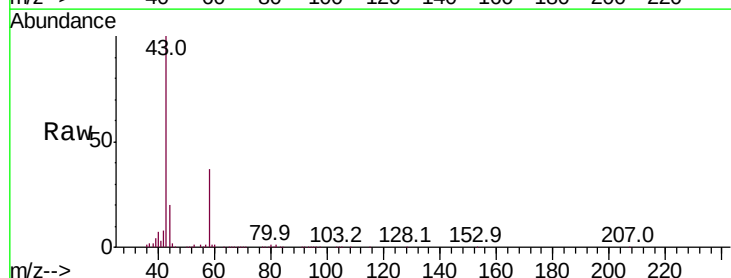
Acq: 13 Mar 2019 20:30

Tgt Ion: 43 Resp: 267327

Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

120000

100000

80000

60000

40000

20000

0

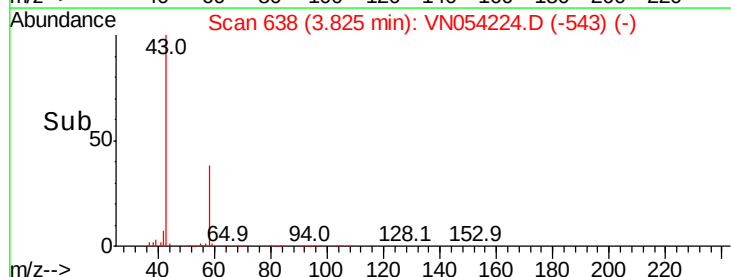
3.82

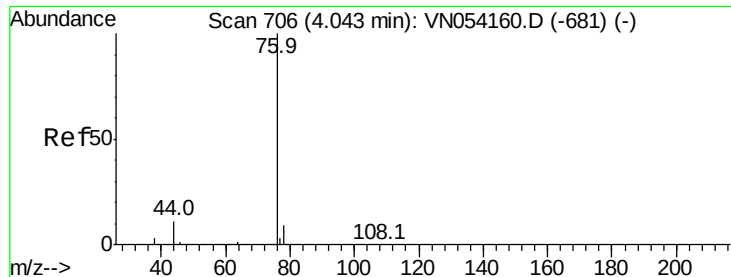
3.75

3.85

3.90

Time-->





#17

Carbon Disulfide

Concen: 0.588 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampled :

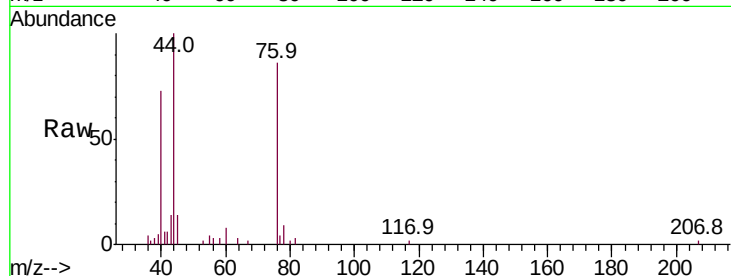
TOTE-1-3

Tot Ion: 76 Resp: 20879

Ion Ratio Lower Upper

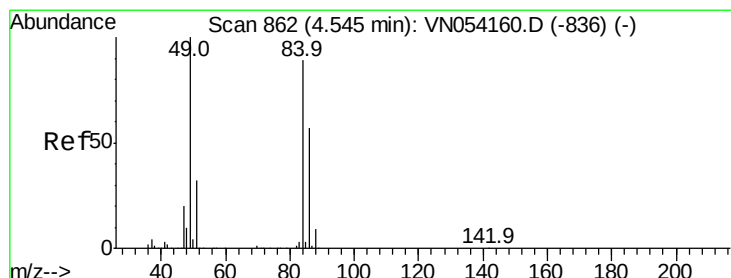
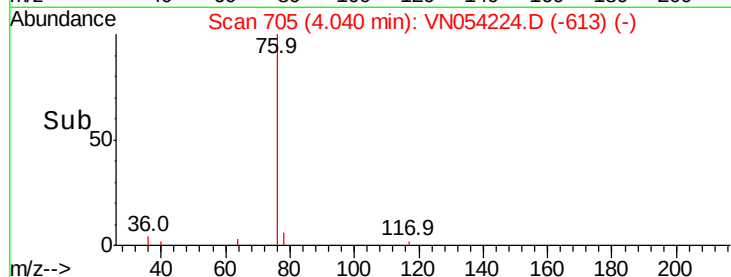
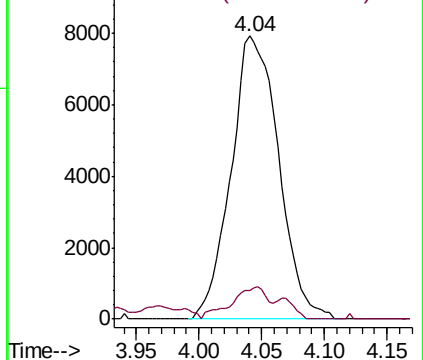
76 100

78 10.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#20

Methylene Chloride

Concen: 0.589 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Tgt Ion: 84 Resp: 8022

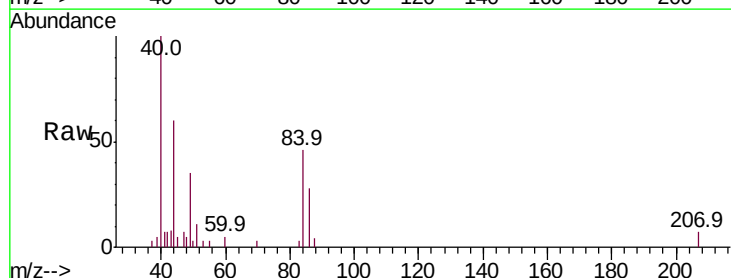
Ion Ratio Lower Upper

84 100

49 75.5 89.7 134.5#

51 24.4 28.2 42.4#

86 60.1 50.8 76.2

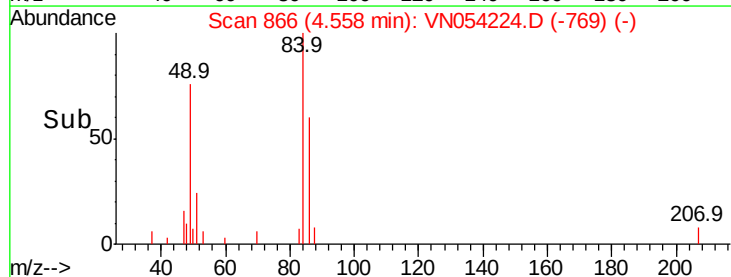
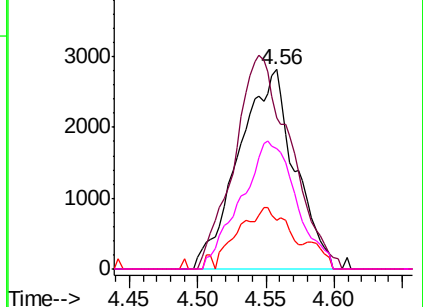


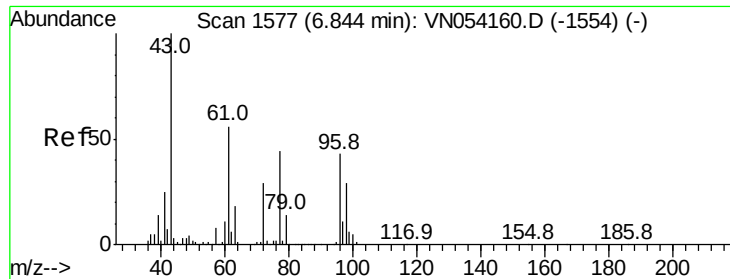
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#25

2-Butanone

Concen: 7.179 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampled :

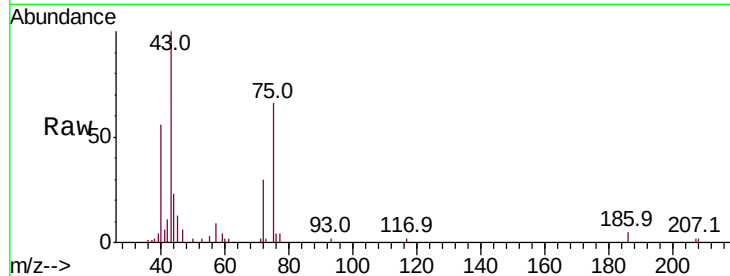
TOTE-1-3

Tot Ion: 43 Resp: 34954

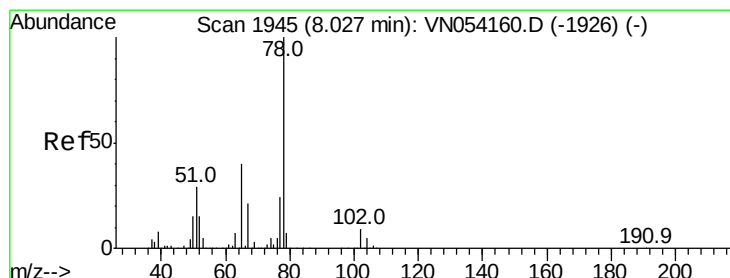
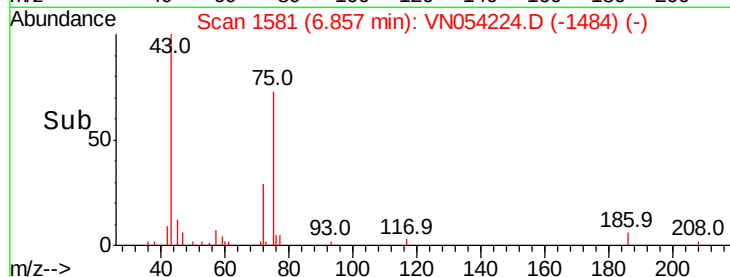
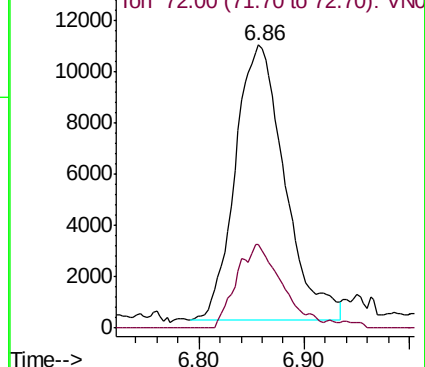
Ion Ratio Lower Upper

43 100

72 30.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1554) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.332 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054224.D

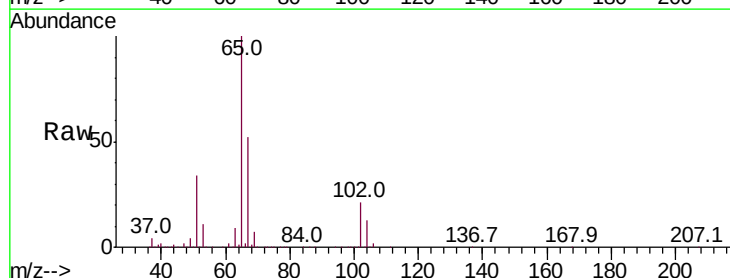
Acq: 13 Mar 2019 20:30

Tgt Ion: 65 Resp: 758213

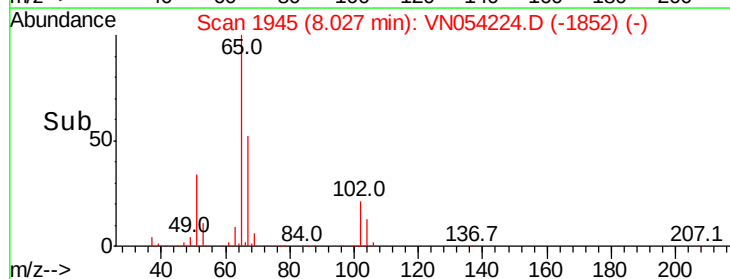
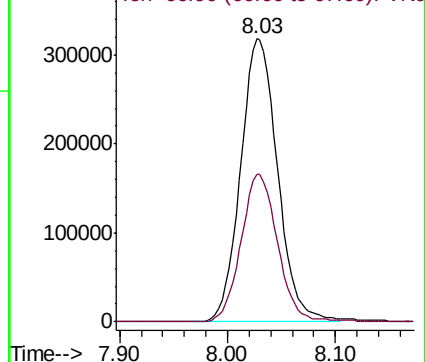
Ion Ratio Lower Upper

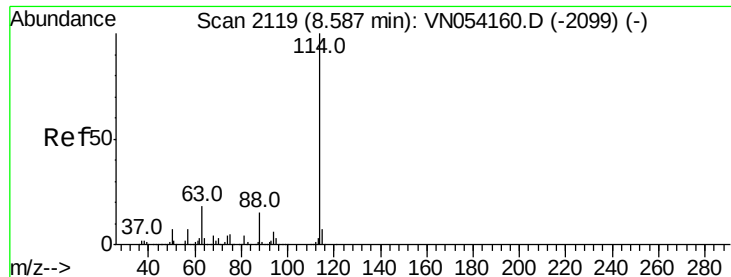
65 100

67 51.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054160.D (-1926) (-)



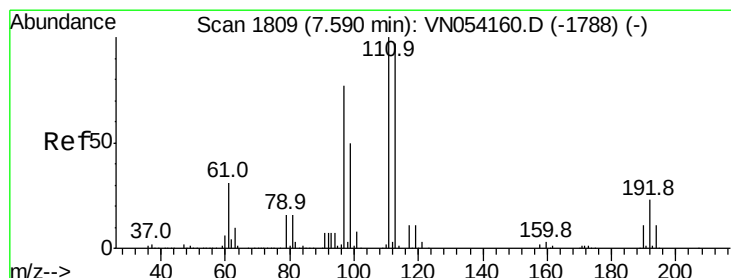
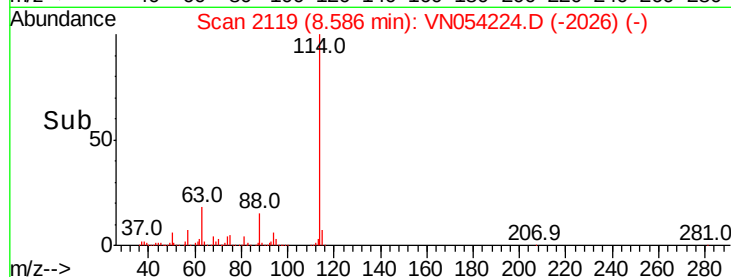
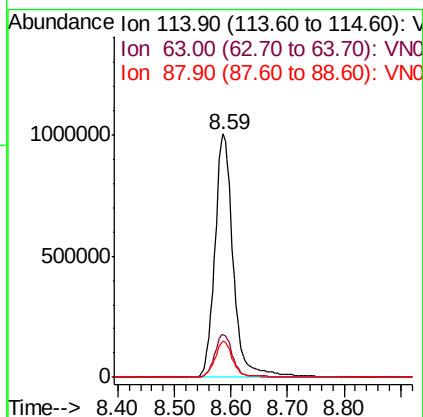
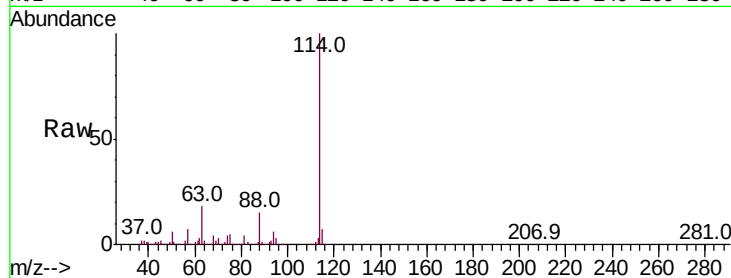


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054224.D
 Acq: 13 Mar 2019 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-1-3

Tot Ion:114 Resp: 2263252

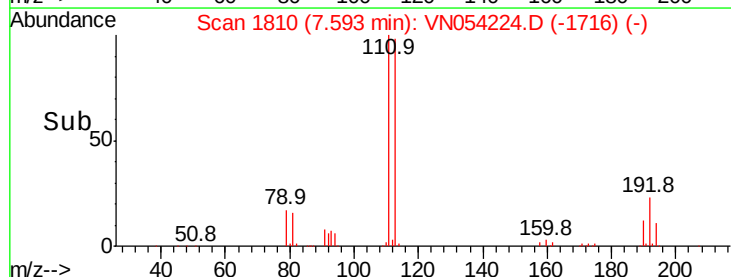
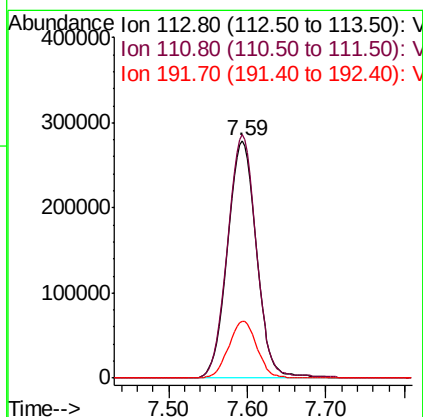
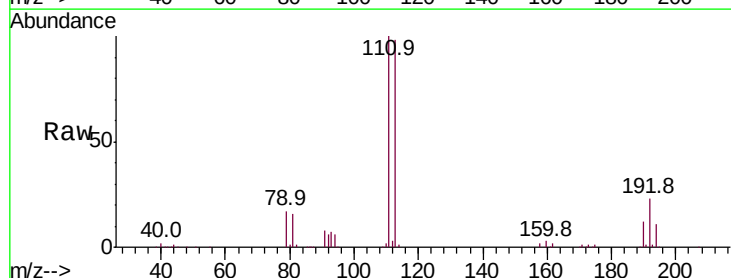
Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.2
88	14.7	0.0	30.2

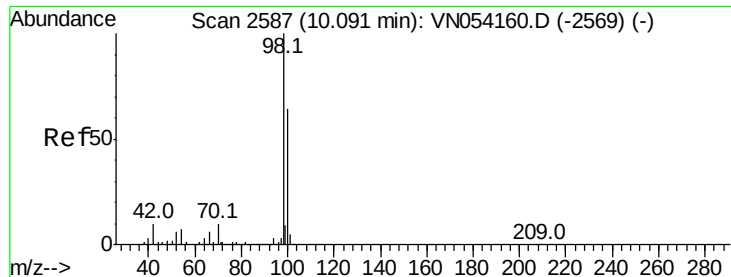


#35
 Dibromofluoromethane
 Concen: 48.754 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054224.D
 Acq: 13 Mar 2019 20:30

Tgt Ion:113 Resp: 711665

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	23.6	19.2	28.8





#50

Toluene-d8

Concen: 51.659 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampleId :

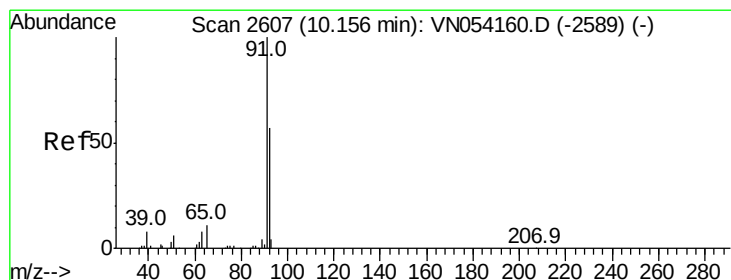
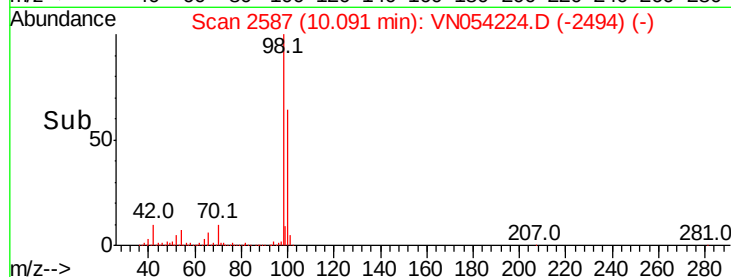
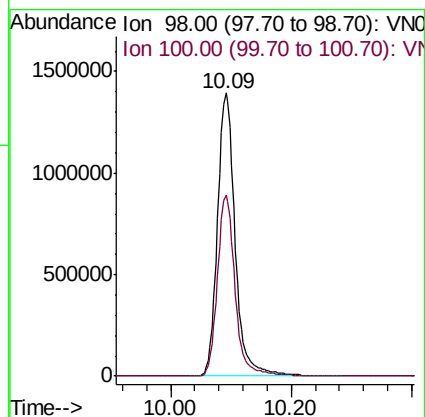
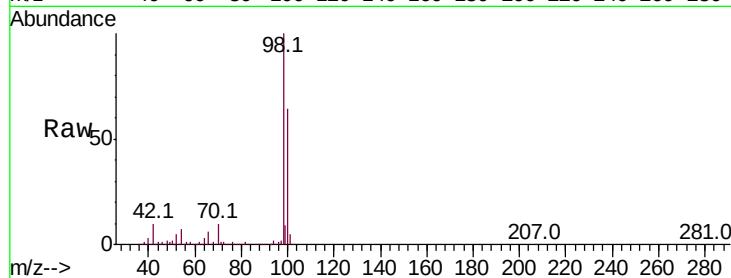
TOTE-1-3

Tot Ion: 98 Resp: 2784874

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



#52

Toluene

Concen: 0.770 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN054224.D

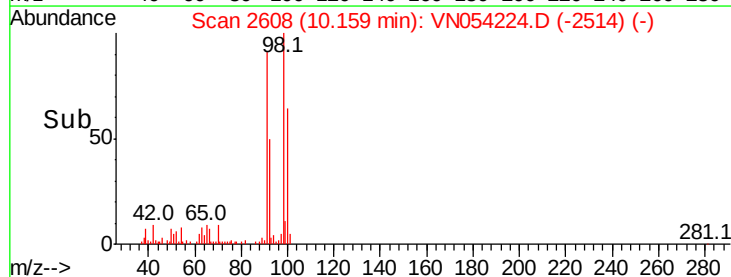
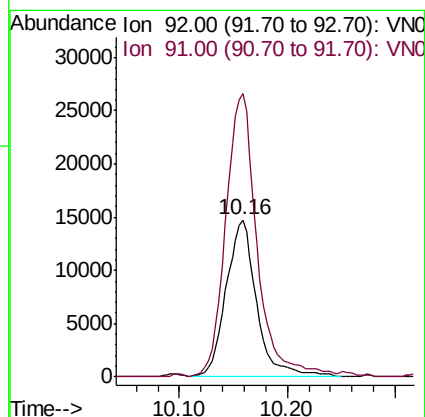
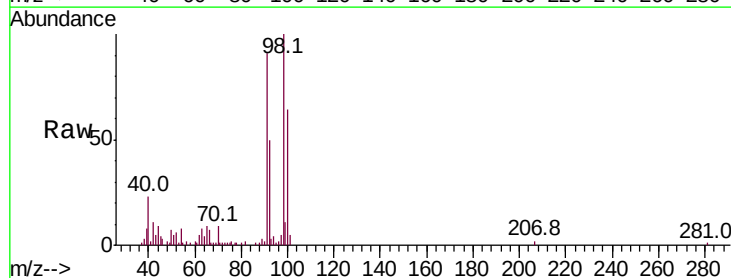
Acq: 13 Mar 2019 20:30

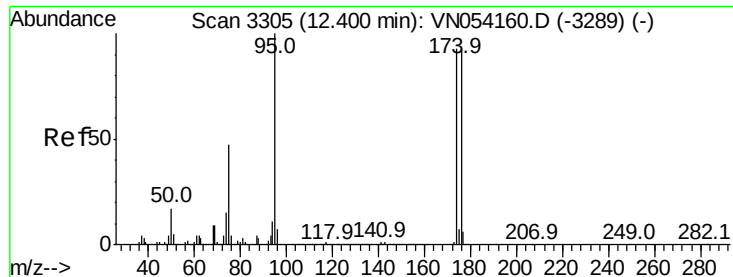
Tgt Ion: 92 Resp: 29118

Ion Ratio Lower Upper

92 100

91 184.8 140.7 211.1





#62

4-Bromofluorobenzene

Concen: 57.587 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampleId :

TOTE-1-3

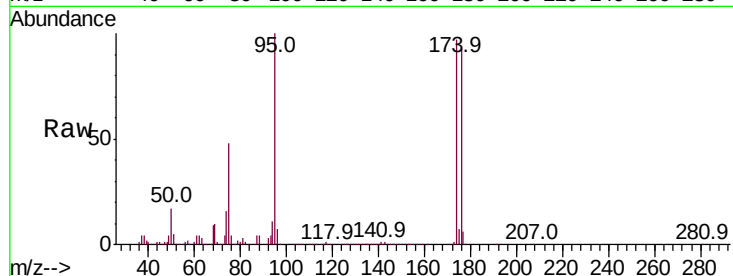
Tot Ion: 95 Resp: 1086262

Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.0

176 94.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)

12.40

800000

600000

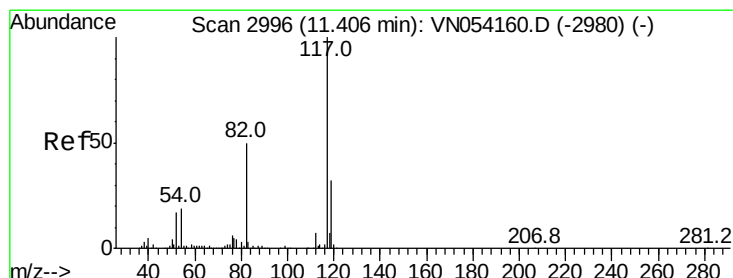
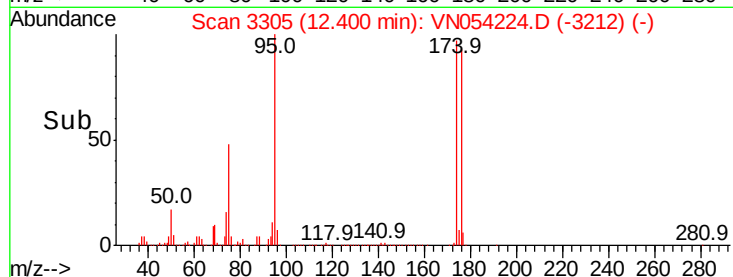
400000

200000

0

12.30 12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

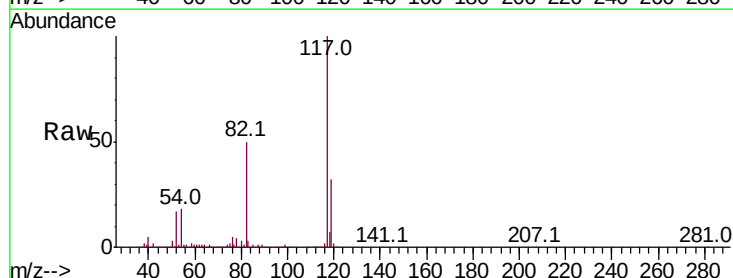
Tgt Ion: 117 Resp: 2352680

Ion Ratio Lower Upper

117 100

82 50.3 40.0 60.0

119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)

11.41

1500000

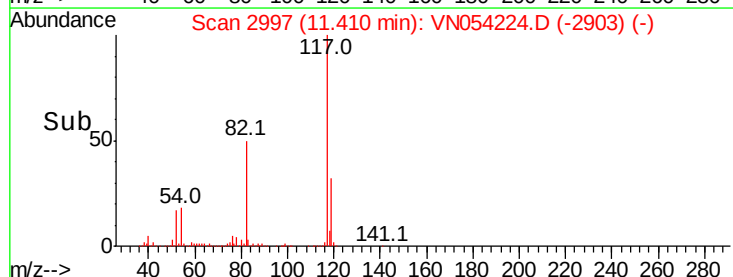
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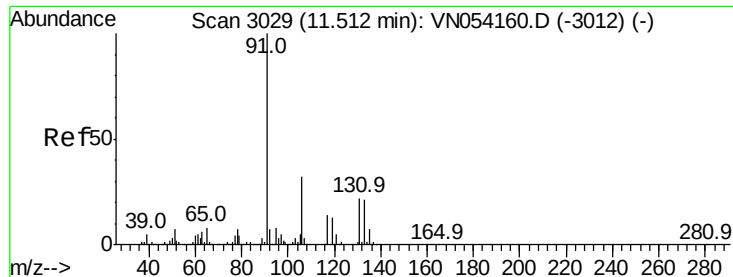
500000

0

11.30 11.40 11.50 11.60

Time-->





#67

Ethyl Benzene

Concen: 1.252 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampled :

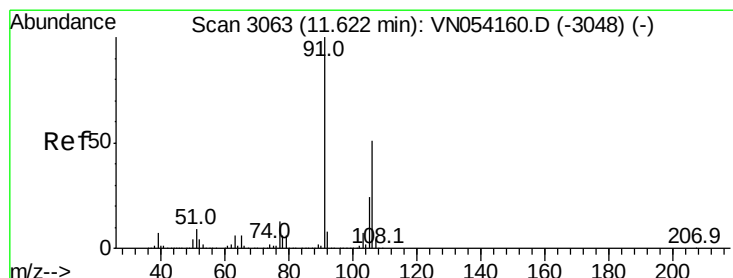
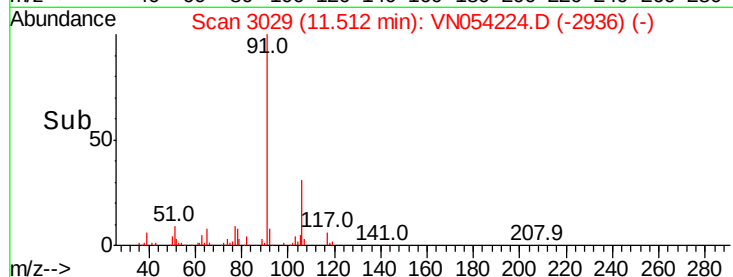
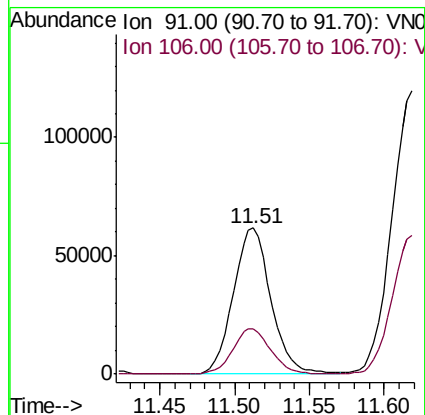
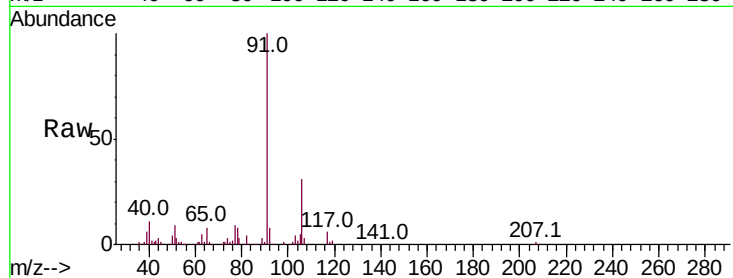
TOTE-1-3

Tot Ion: 91 Resp: 107201

Ion Ratio Lower Upper

91 100

106 31.0 25.5 38.3



#68

m/p-Xylenes

Concen: 3.576 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054224.D

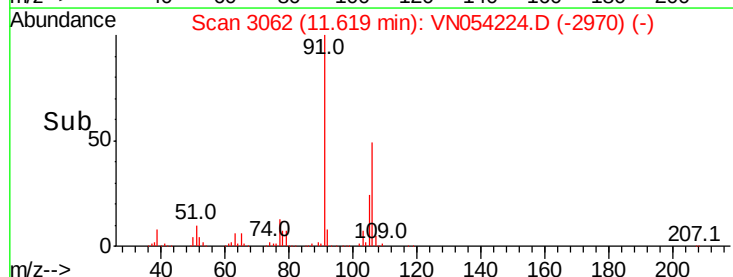
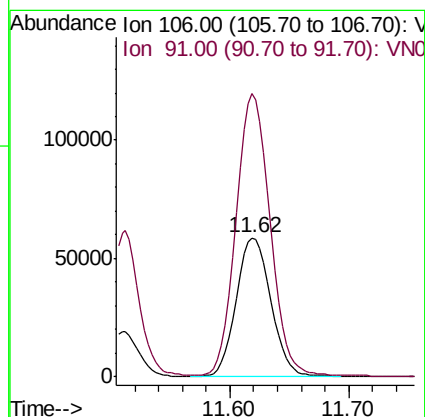
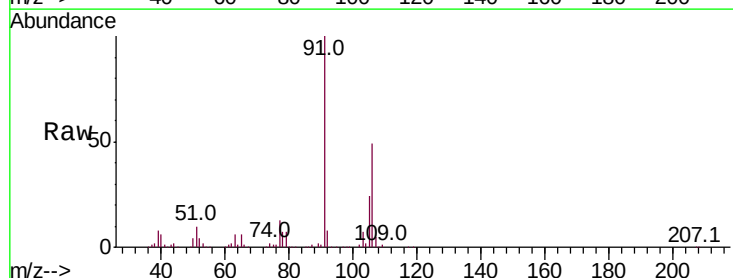
Acq: 13 Mar 2019 20:30

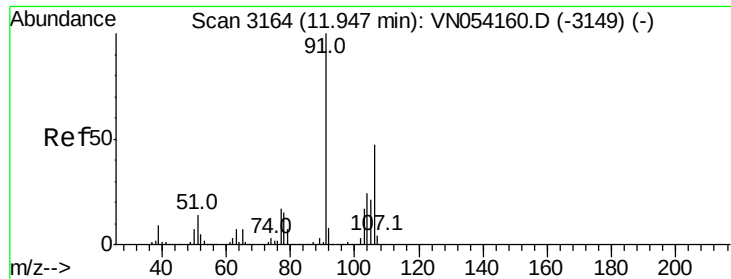
Tgt Ion: 106 Resp: 119693

Ion Ratio Lower Upper

106 100

91 196.7 159.4 239.2

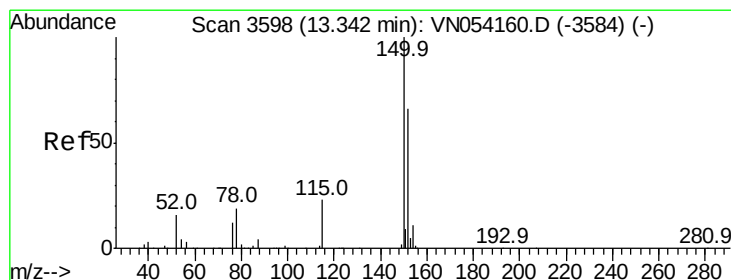
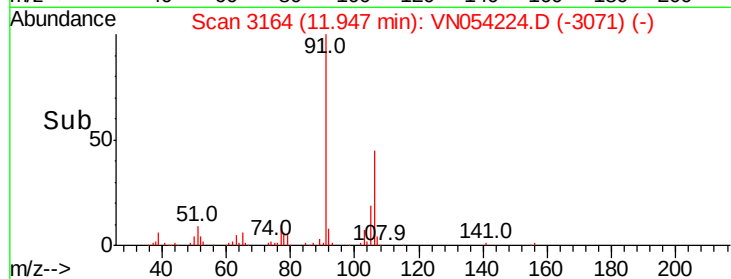
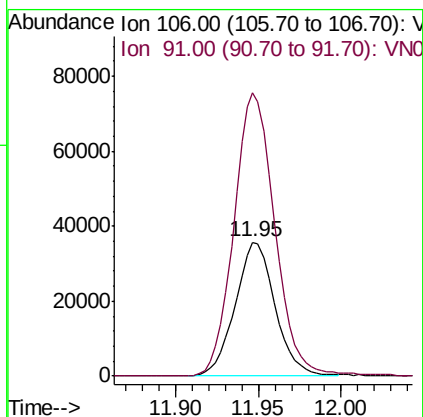
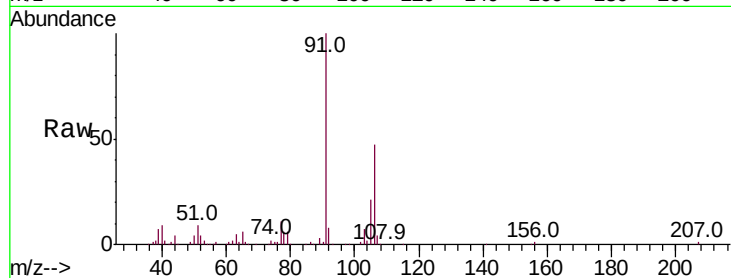




#69
o-Xylene
Concen: 1.833 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054224.D
Acq: 13 Mar 2019 20:30

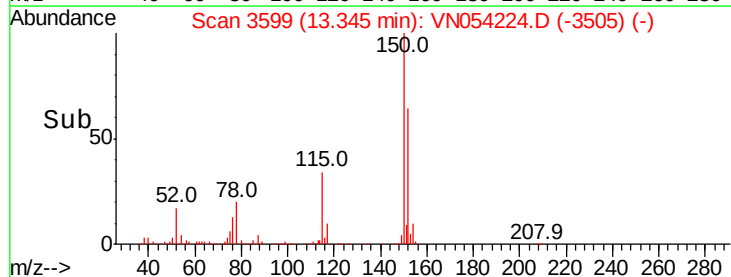
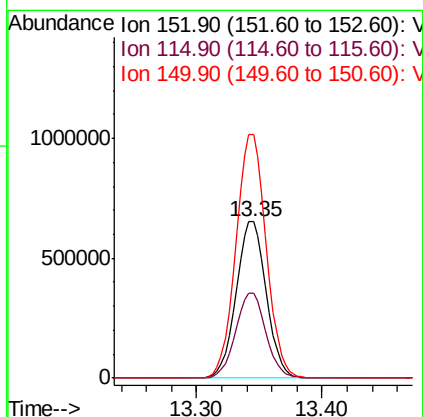
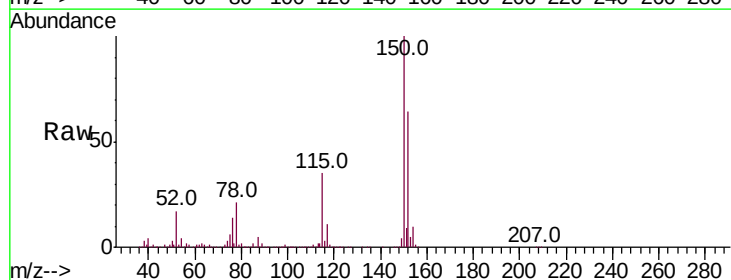
Instrument :
MSVOA_N
ClientSampled :
TOTE-1-3

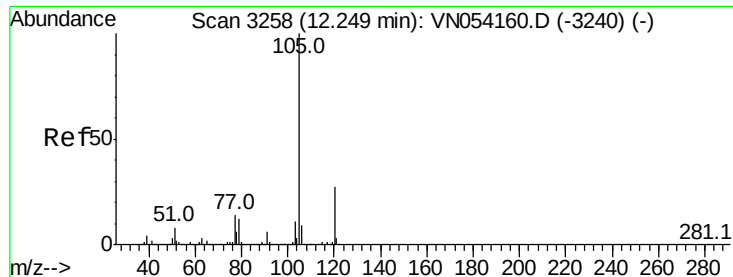
Tot Ion:106 Resp: 59814
Ion Ratio Lower Upper
106 100
91 218.2 105.7 317.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054224.D
Acq: 13 Mar 2019 20:30

Tgt Ion:152 Resp: 1086772
Ion Ratio Lower Upper
152 100
115 54.7 27.2 81.6
150 156.1 0.0 349.2





#73

Isopropylbenzene

Concen: 0.407 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampled :

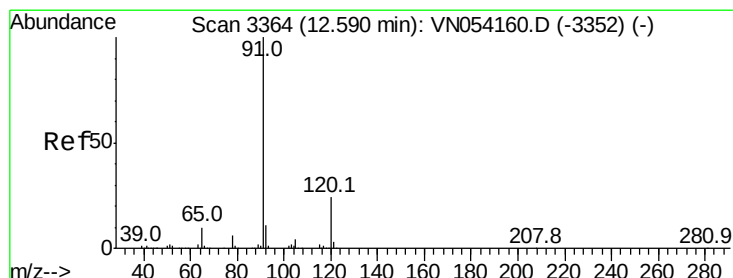
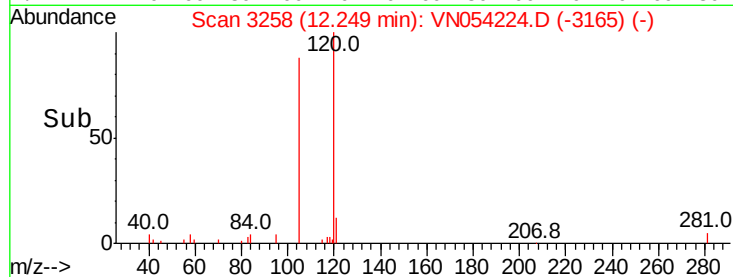
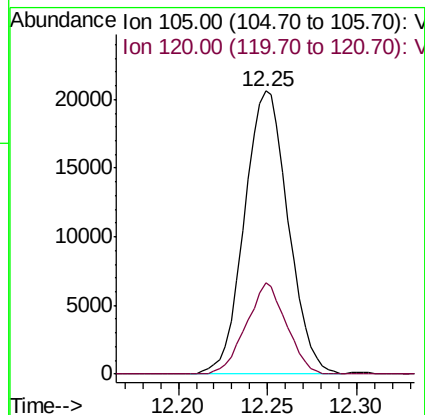
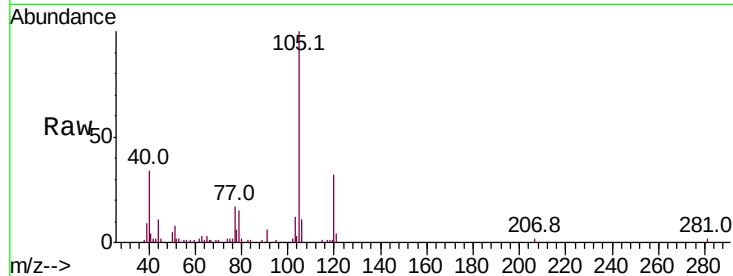
TOTE-1-3

Tot Ion:105 Resp: 35378

Ion Ratio Lower Upper

105 100

120 29.5 13.8 41.3



#78

n-propylbenzene

Concen: 0.964 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054224.D

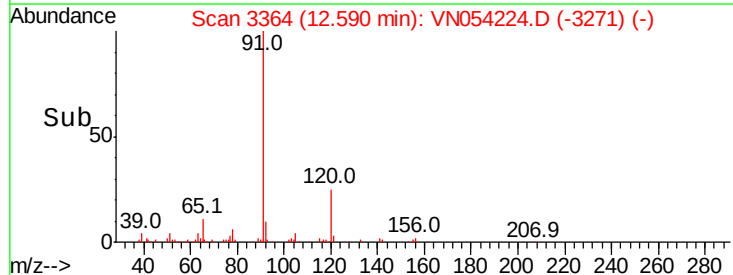
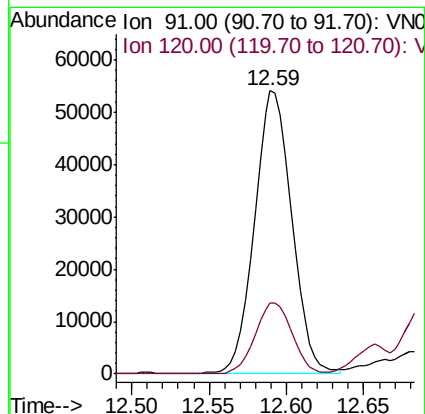
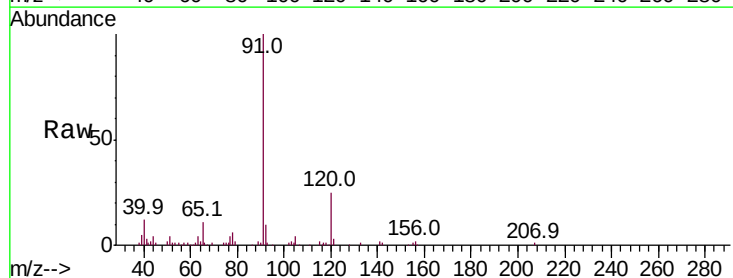
Acq: 13 Mar 2019 20:30

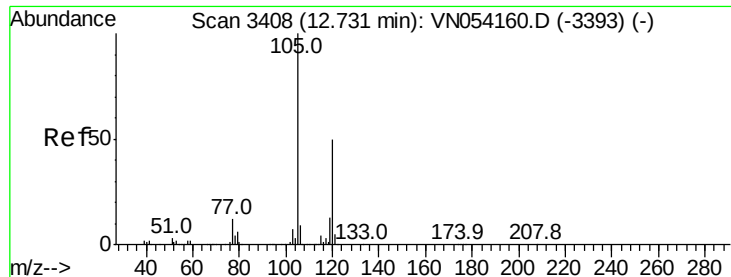
Tgt Ion: 91 Resp: 90991

Ion Ratio Lower Upper

91 100

120 25.1 12.3 36.9





#80

1,3,5-Trimethylbenzene

Concen: 1.272 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054224.D

Acq: 13 Mar 2019 20:30

Instrument :

MSVOA_N

ClientSampleId :

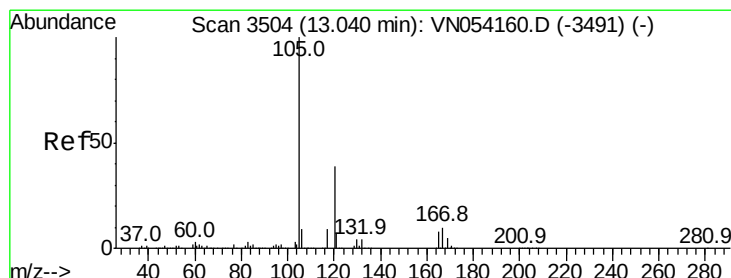
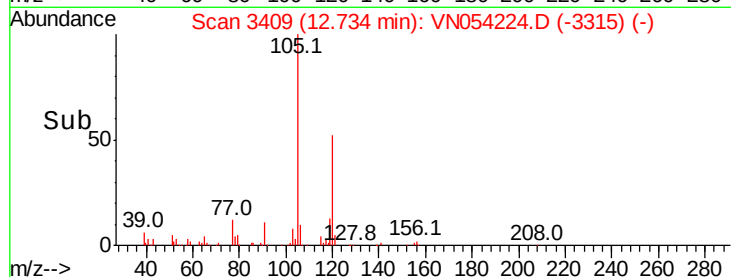
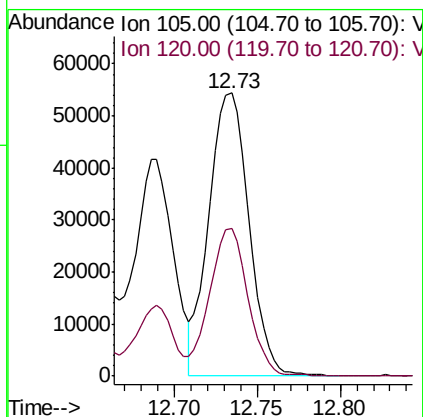
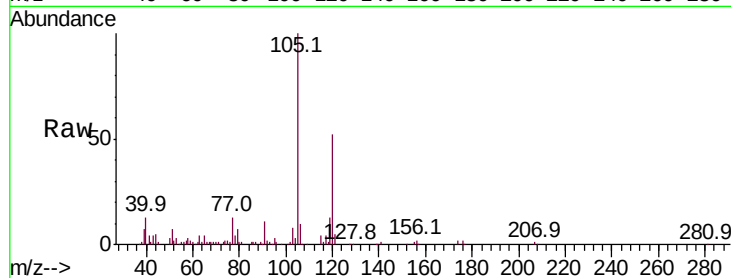
TOTE-1-3

Tot Ion:105 Resp: 91984

Ion Ratio Lower Upper

105 100

120 49.4 25.0 75.0



#84

1,2,4-Trimethylbenzene

Concen: 5.993 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054224.D

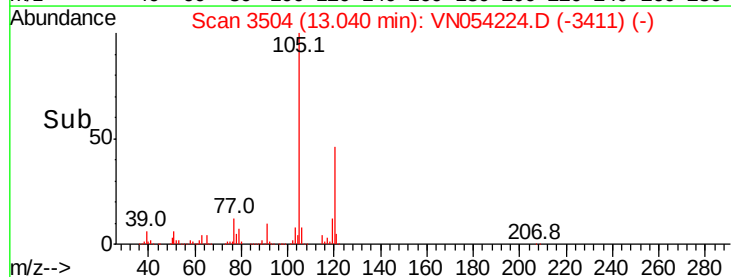
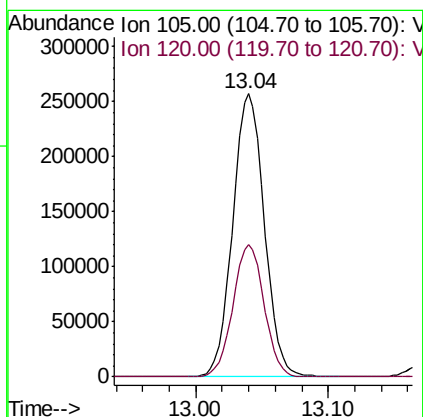
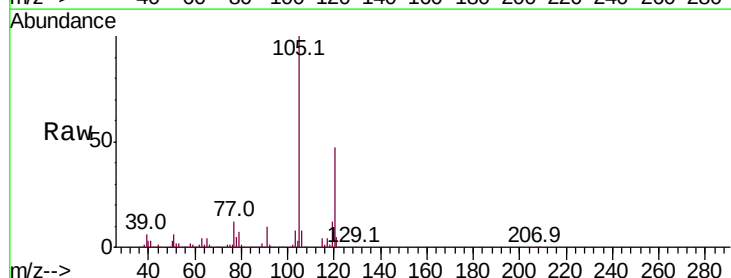
Acq: 13 Mar 2019 20:30

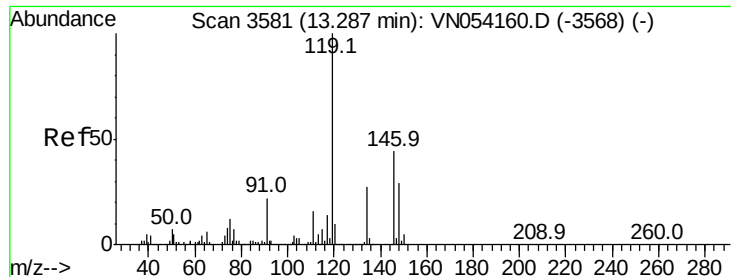
Tgt Ion:105 Resp: 425190

Ion Ratio Lower Upper

105 100

120 46.0 23.4 70.3

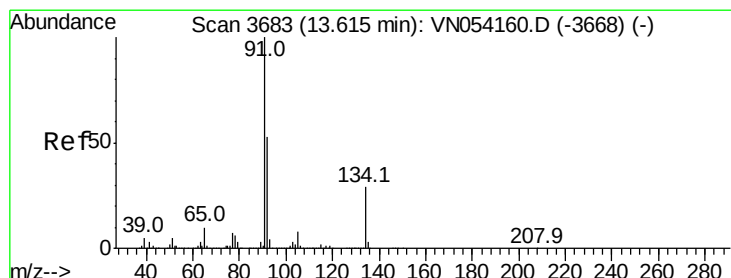
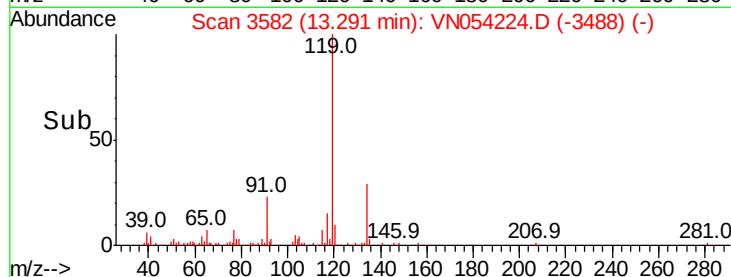
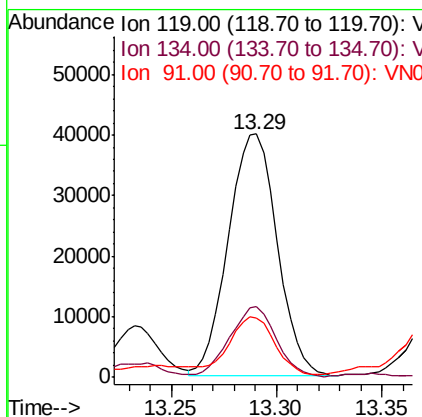
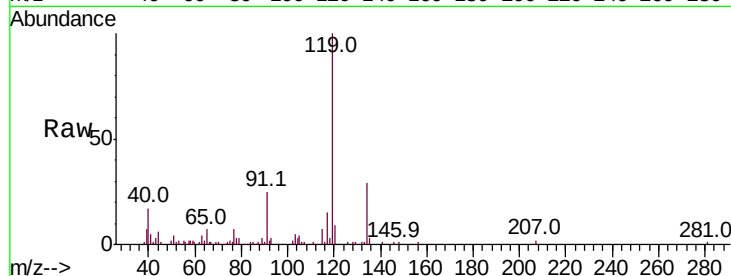




#86
 p-Isopropyltoluene
 Concen: 0.845 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054224.D
 Acq: 13 Mar 2019 20:30

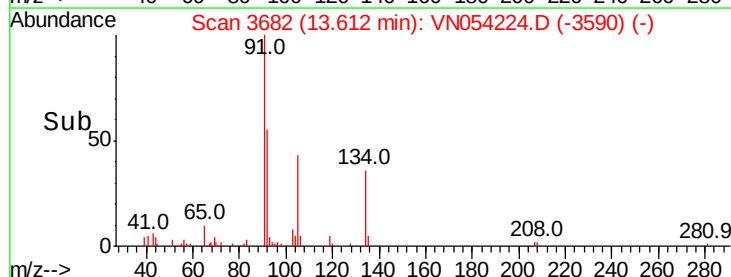
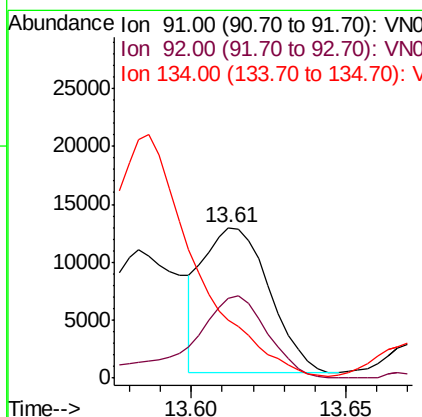
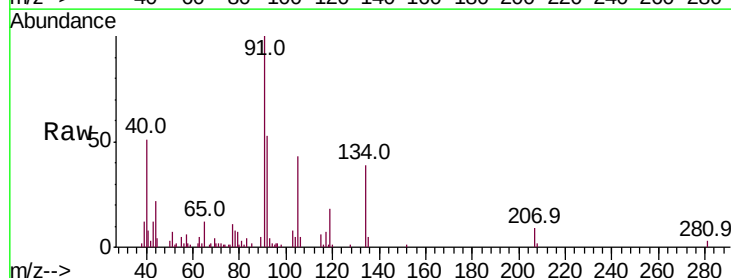
Instrument :
 MSVOA_N
 ClientSampled :
 TOTE-1-3

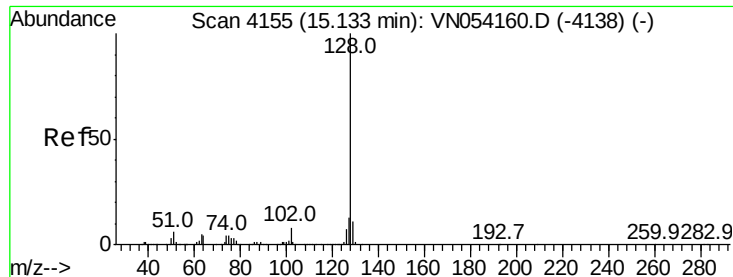
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.3	13.6	40.8
91	22.4	11.1	33.3



#89
 n-Butylbenzene
 Concen: 0.324 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054224.D
 Acq: 13 Mar 2019 20:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.3	26.2	78.6
134	0.0	14.3	42.9#

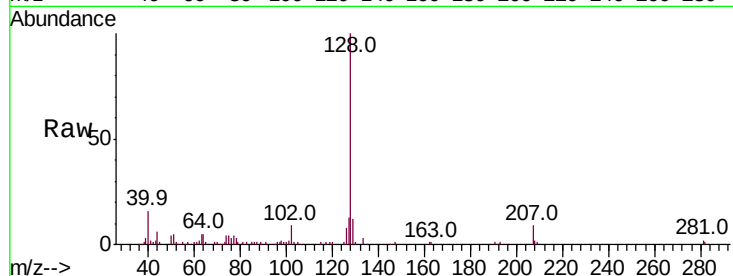




#95
Naphthalene
Concen: 4.964 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054224.D
Acq: 13 Mar 2019 20:30

Instrument :
MSVOA_N
ClientSampleId :
TOTE-1-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	10.9	8.7	13.1



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

