

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057909.D
 Acq On : 11 Sep 2019 9:11
 Operator : JC/SP
 Sample : K4753-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2-RAGS

Quant Time: Sep 12 01:39:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	308709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	518538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330047	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	327848	52.43	ug/l	0.00
Spiked Amount						
			Recovery	=	104.86%	
35) Dibromofluoromethane	7.58	113	225373	47.09	ug/l	0.00
Spiked Amount						
			Recovery	=	94.18%	
50) Toluene-d8	10.09	98	951019	51.18	ug/l	0.00
Spiked Amount						
			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.40	95	362808	51.24	ug/l	0.00
Spiked Amount						
			Recovery	=	102.48%	

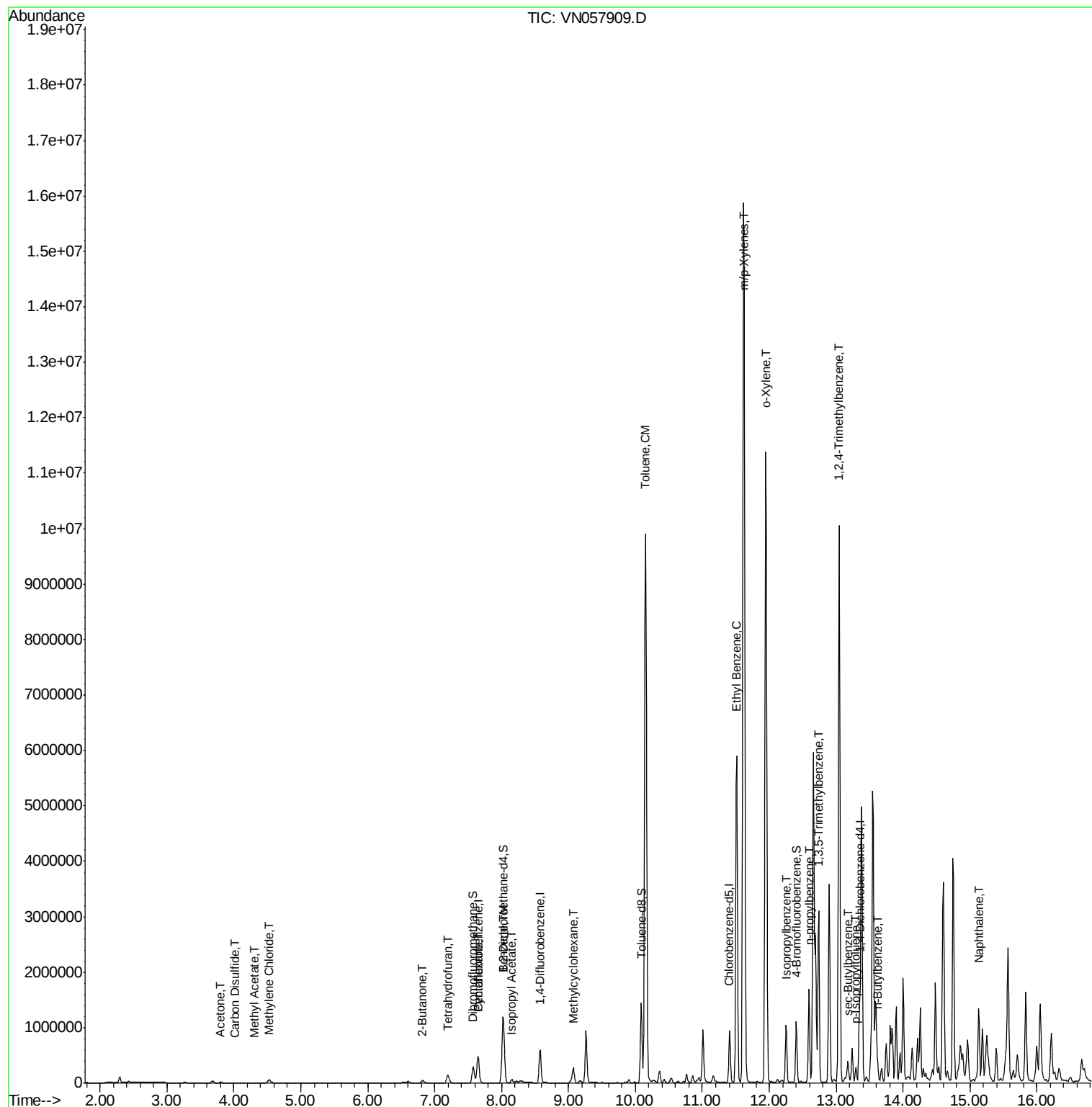
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	33539	16.363	ug/l	99
17) Carbon Disulfide	4.02	76	6309	1.388	ug/l #	94
18) Methyl Acetate	4.31	43	14392	2.633	ug/l	94
20) Methylene Chloride	4.53	84	41063	9.527	ug/l	98
25) 2-Butanone	6.82	43	59759	20.143	ug/l	96
29) Tetrahydrofuran	7.20	42	124174	67.926	ug/l	97
31) Cyclohexane	7.64	56	67470	10.230	ug/l #	91
39) Methylcyclohexane	9.07	83	113800	18.001	ug/l	94
40) Benzene	8.03	78	962836	53.180	ug/l	99
43) Isopropyl Acetate	8.16	43	57722	5.524	ug/l #	91
52) Toluene	10.15	92	4737522	415.454	ug/l #	62
67) Ethyl Benzene	11.51	91	3918369	171.253	ug/l #	69
68) m/p-Xylenes	11.62	106	4923742	587.476	ug/l #	50
69) o-Xylene	11.95	106	3425976	411.176	ug/l	55
73) Isopropylbenzene	12.25	105	681141	26.596	ug/l	99
78) n-propylbenzene	12.60	91	1318873	44.846	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1620653	74.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4386438	199.445	ug/l	69
85) sec-Butylbenzene	13.18	105	250514	9.826	ug/l	92
86) p-Isopropyltoluene	13.30	119	146647	6.528	ug/l	98
89) n-Butylbenzene	13.62	91	150468	7.093	ug/l #	71
95) Naphthalene	15.13	128	1035644	53.719	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampled :

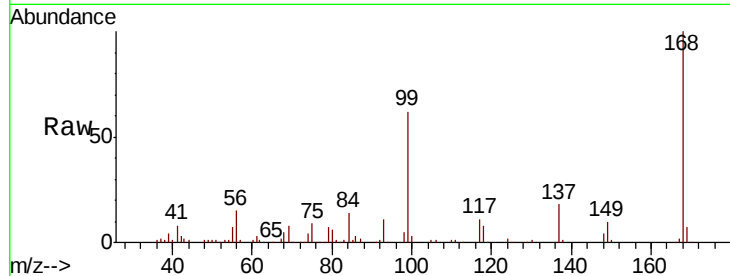
DRUM-2-RAGS

Tot Ion:168 Resp: 308709

Ion Ratio Lower Upper

168 100

99 61.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

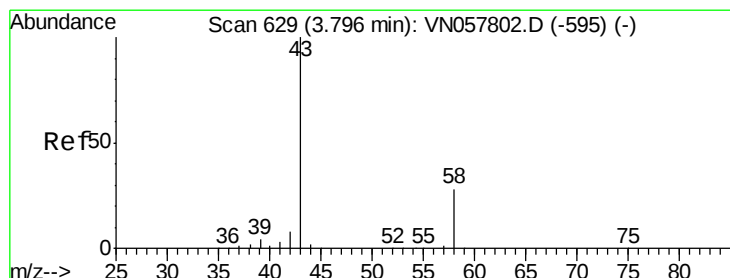
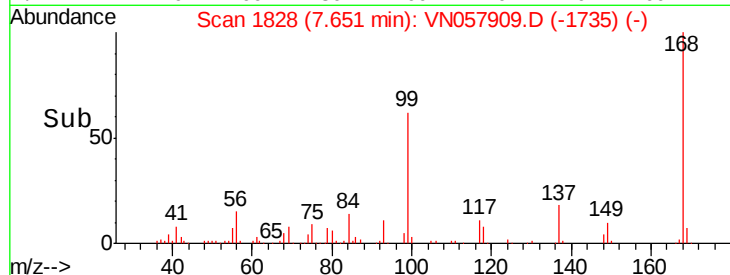
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 16.363 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057909.D

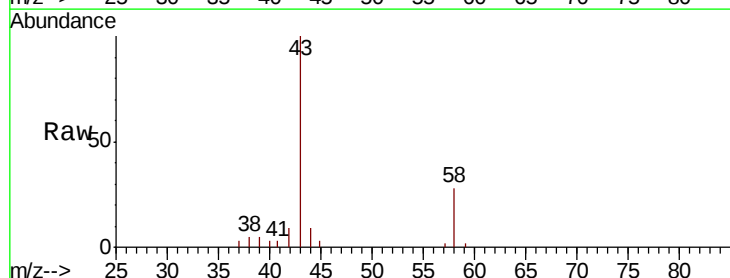
Acq: 11 Sep 2019 9:11

Tgt Ion: 43 Resp: 33539

Ion Ratio Lower Upper

43 100

58 28.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

20000

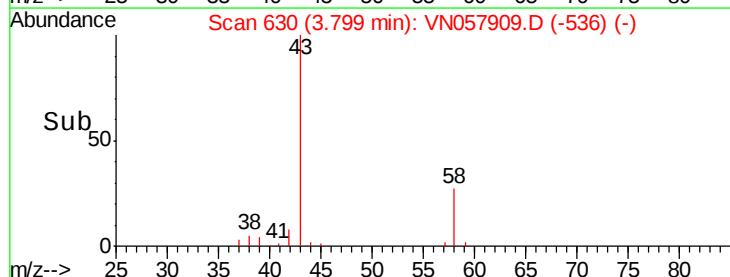
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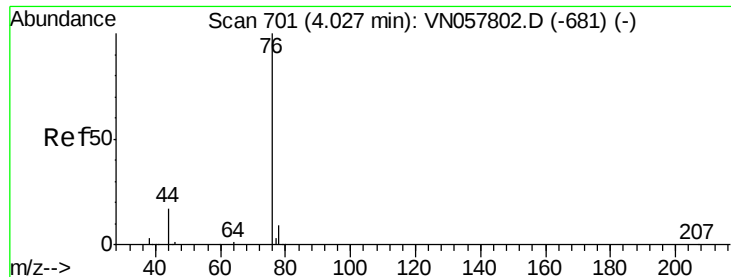
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5000

0

Time-->

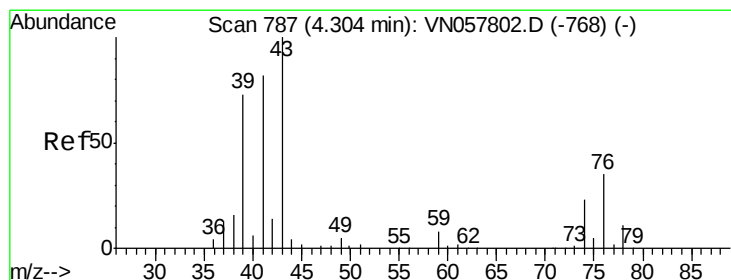
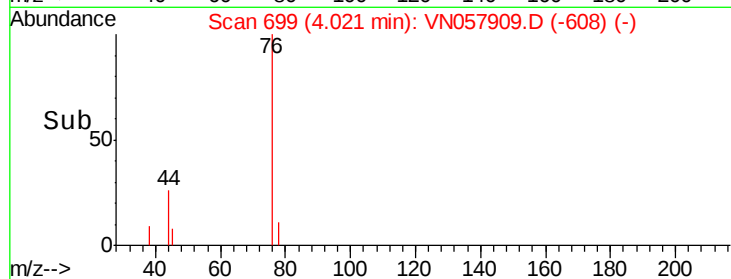
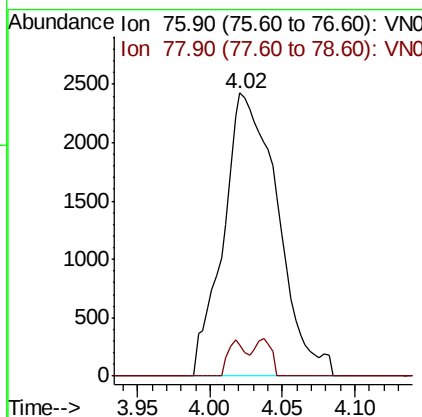
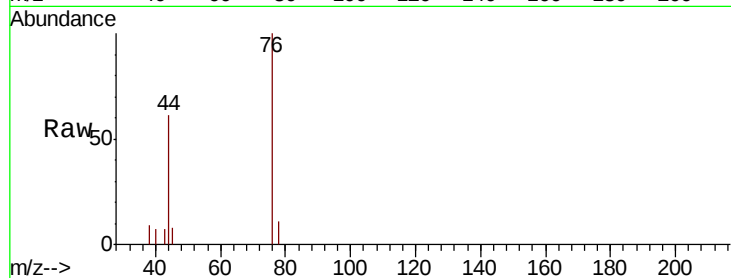




#17
Carbon Disulfide
Concen: 1.388 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

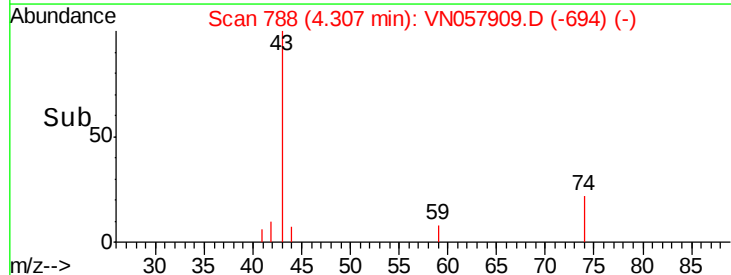
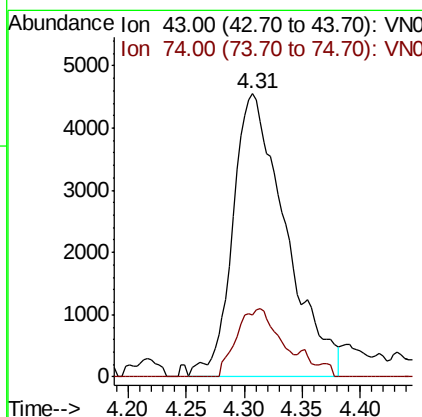
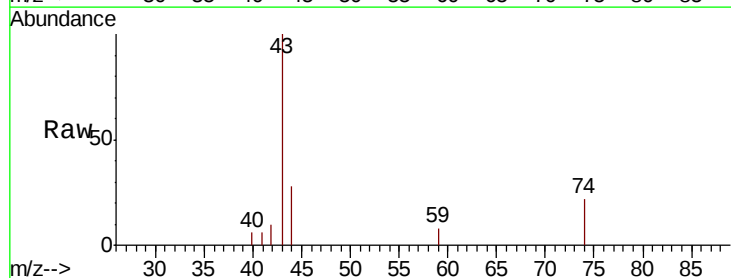
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

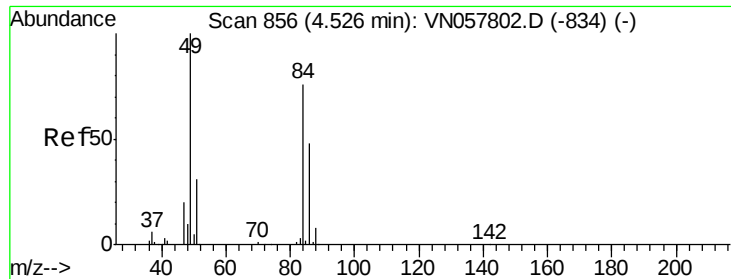
Tot Ion: 76 Resp: 6309
Ion Ratio Lower Upper
76 100
78 11.0 7.1 10.7#



#18
Methyl Acetate
Concen: 2.633 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 43 Resp: 14392
Ion Ratio Lower Upper
43 100
74 19.5 17.9 26.9

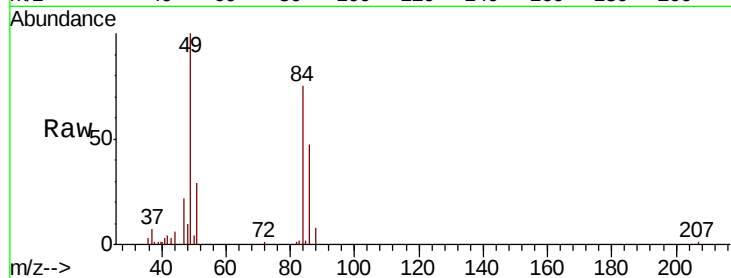




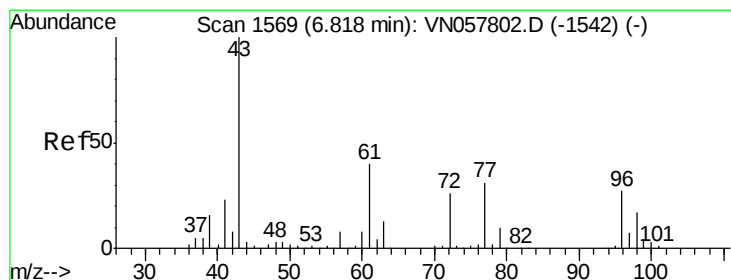
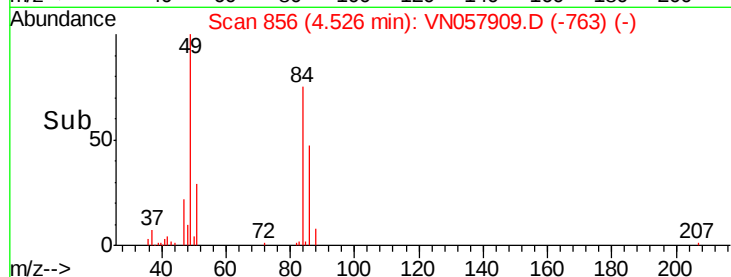
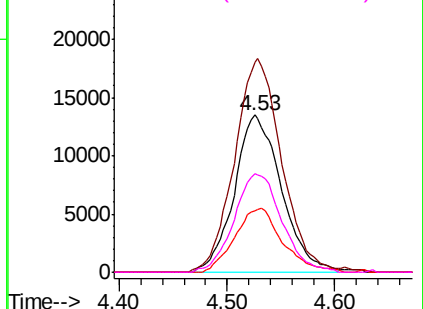
#20
Methvlene Chloride
Concen: 9.527 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

Tot Ion: 84 Resp: 41063
Ion Ratio Lower Upper
84 100
49 133.7 104.8 157.2
51 39.3 33.0 49.4
86 62.4 50.5 75.7

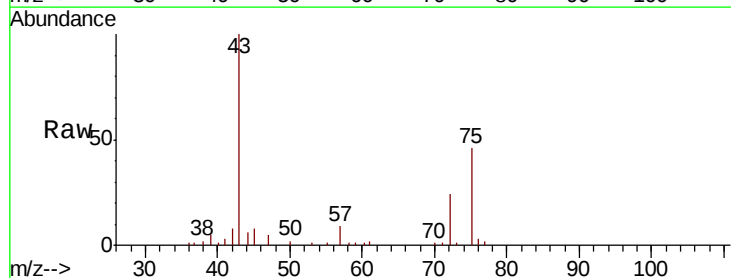


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

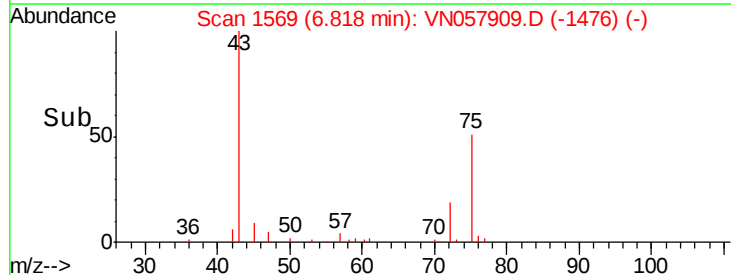
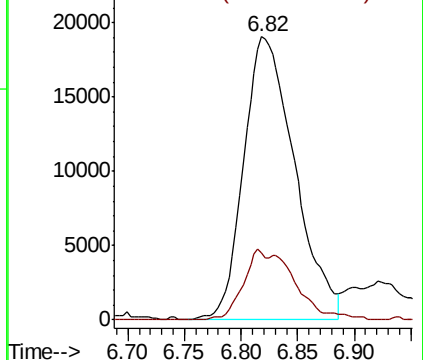


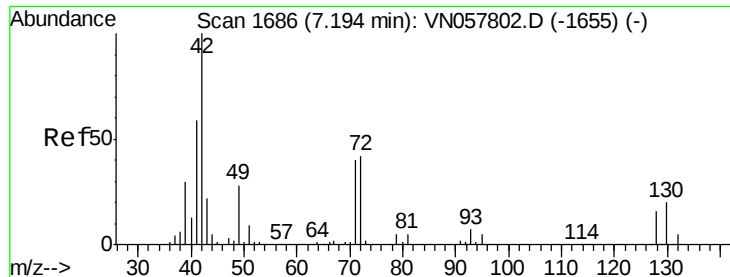
#25
2-Butanone
Concen: 20.143 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 43 Resp: 59759
Ion Ratio Lower Upper
43 100
72 23.8 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 67.926 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampled :

DRUM-2-RAGS

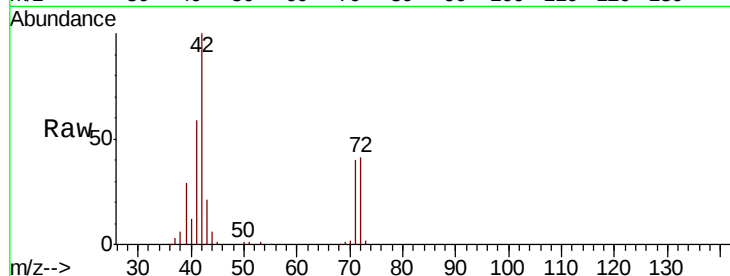
Tot Ion: 42 Resp: 124174

Ion Ratio Lower Upper

42 100

72 40.4 33.7 50.5

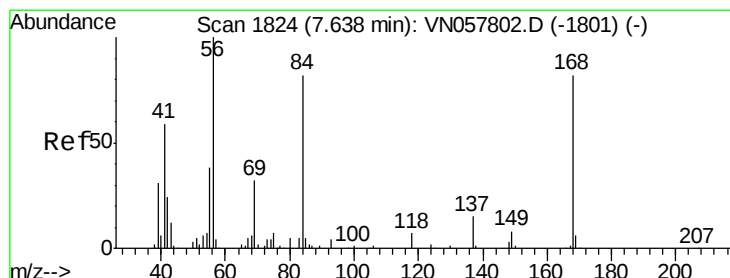
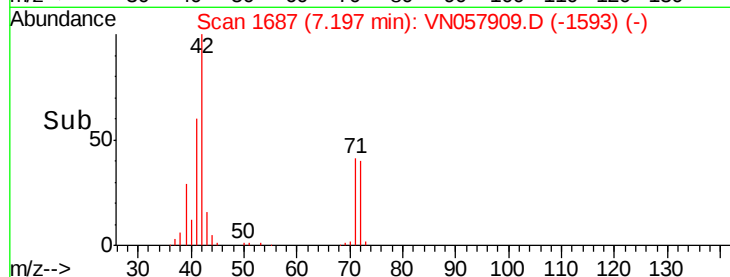
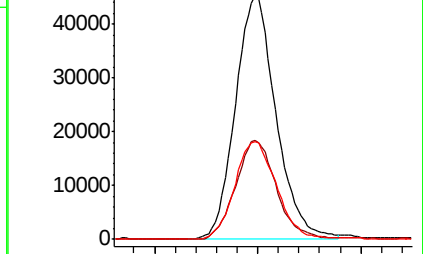
71 41.5 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN057802.D (-1655) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1655) (-)

Ion 71.00 (70.70 to 71.70): VN057802.D (-1655) (-)



#31

Cyclohexane

Concen: 10.230 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

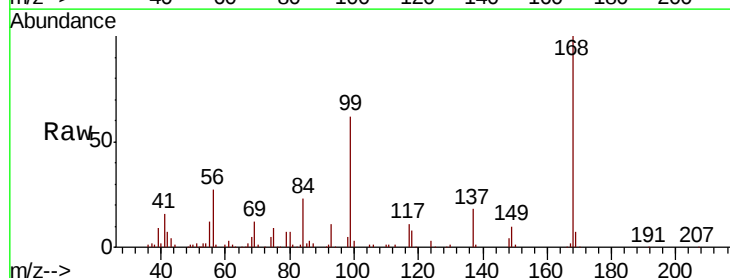
Tgt Ion: 56 Resp: 67470

Ion Ratio Lower Upper

56 100

69 43.8 25.9 38.9#

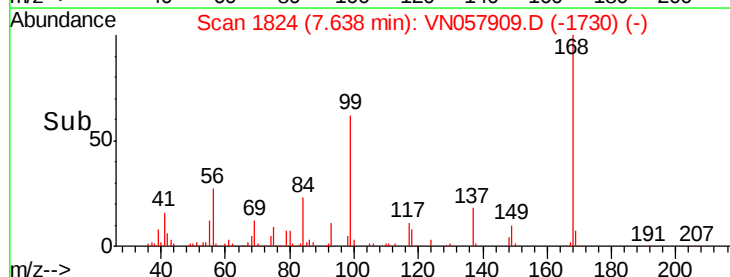
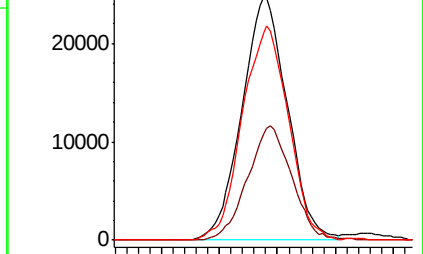
84 85.5 65.6 98.4

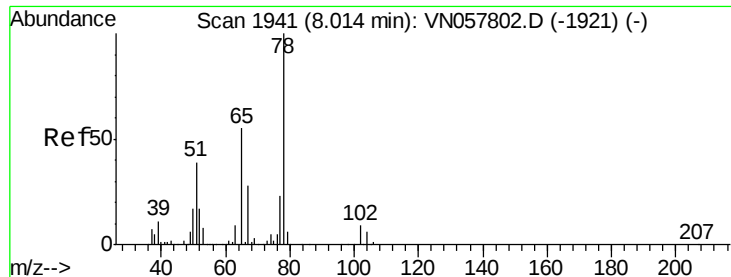


Abundance Ion 56.00 (55.70 to 56.70): VN057802.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN057802.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN057802.D (-1801) (-)

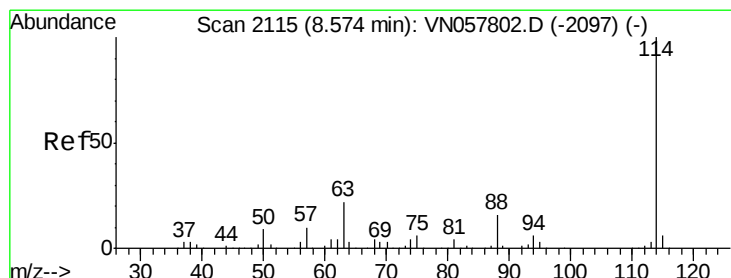
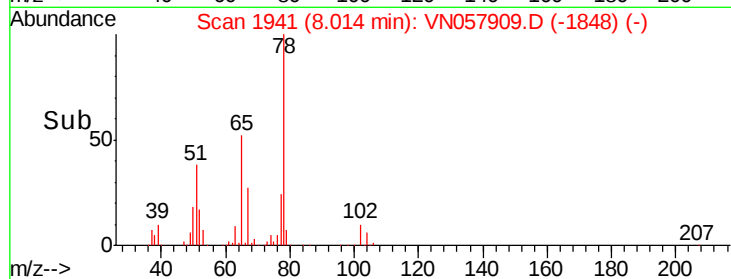
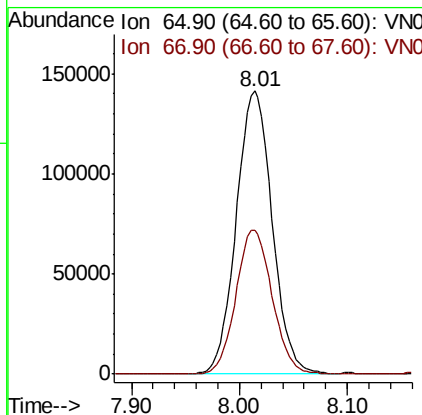
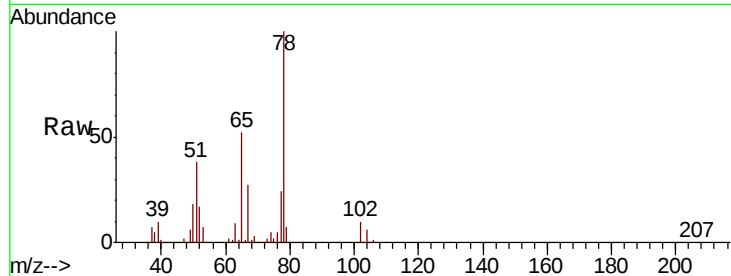




#33
 1,2-Dichloroethane-d4
 Concen: 52.433 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

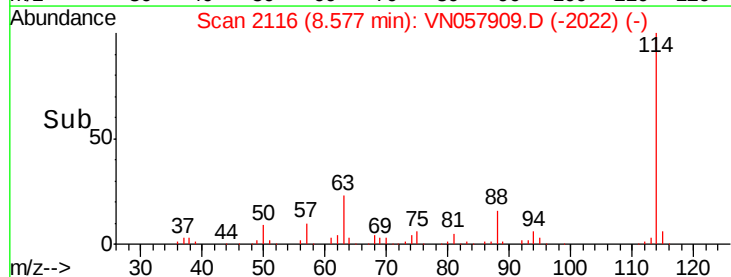
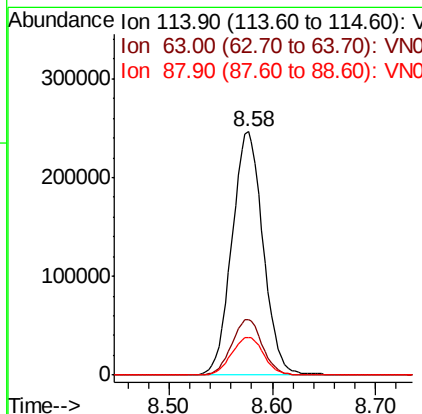
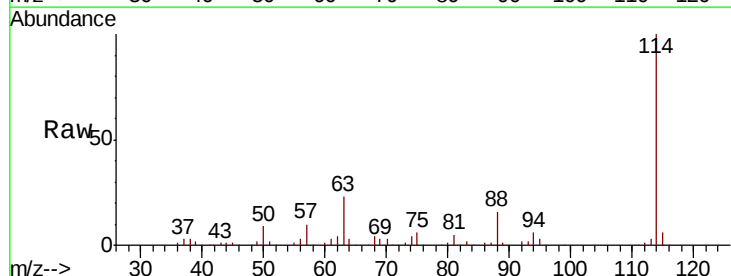
Instrument :
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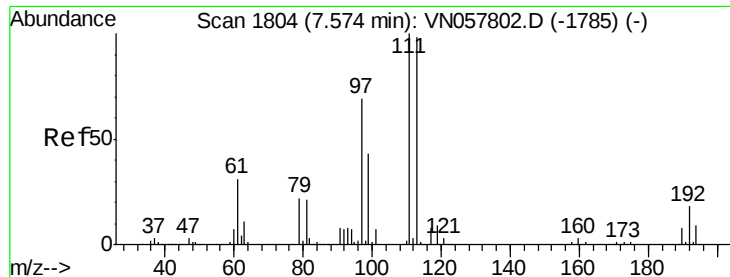
Tot Ion: 65 Resp: 327848
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

Tgt Ion: 114 Resp: 518538
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.0
 88 15.5 0.0 31.4

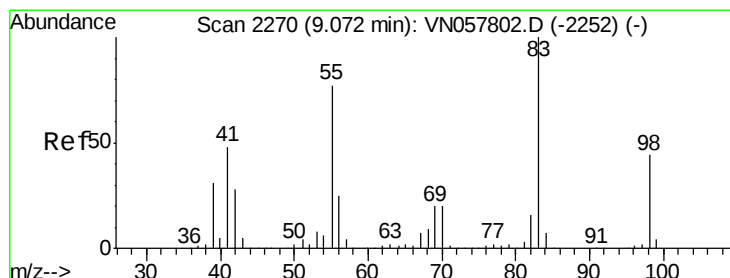
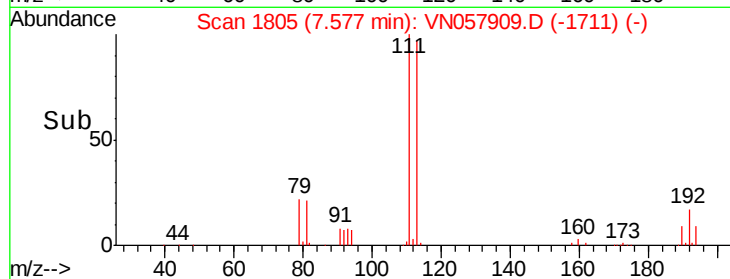
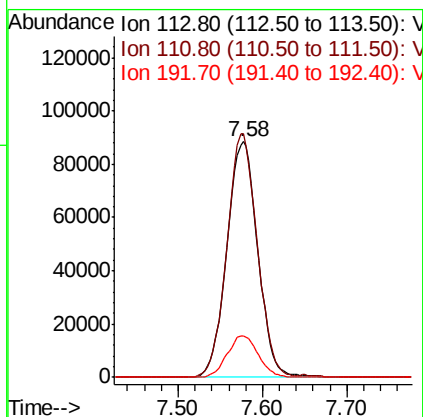
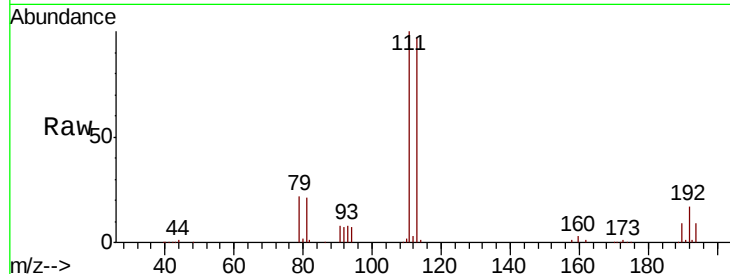




#35
 Dibromofluoromethane
 Concen: 47.091 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

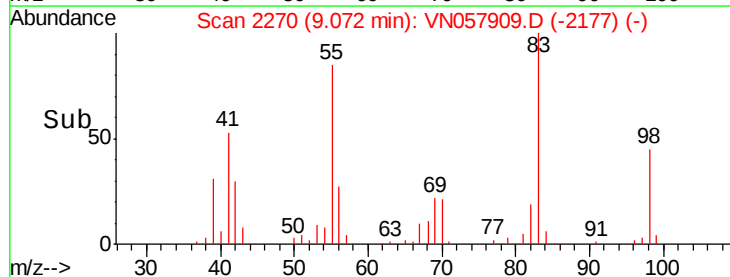
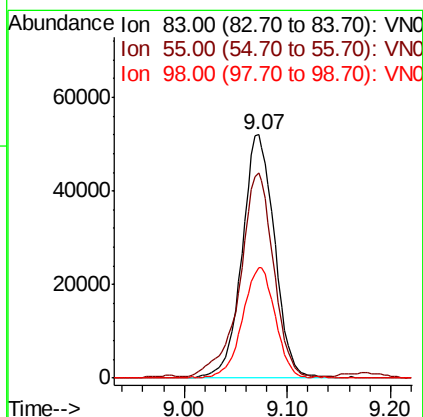
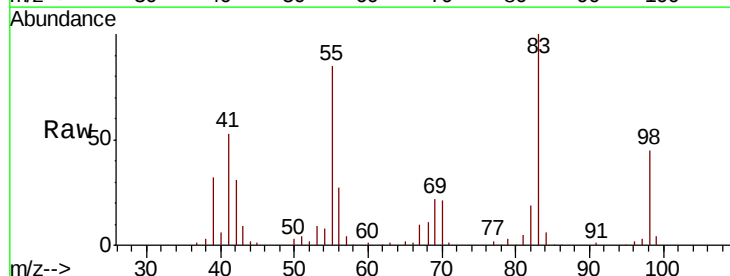
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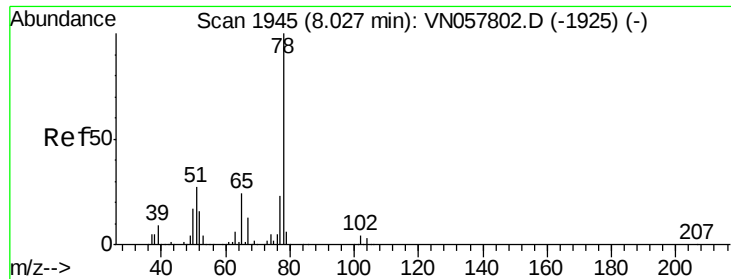
Tot Ion:113 Resp: 225373
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.3 121.9
 192 17.8 14.6 22.0



#39
 Methylcyclohexane
 Concen: 18.001 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

Tgt Ion: 83 Resp: 113800
 Ion Ratio Lower Upper
 83 100
 55 83.6 61.6 92.4
 98 45.3 34.9 52.3

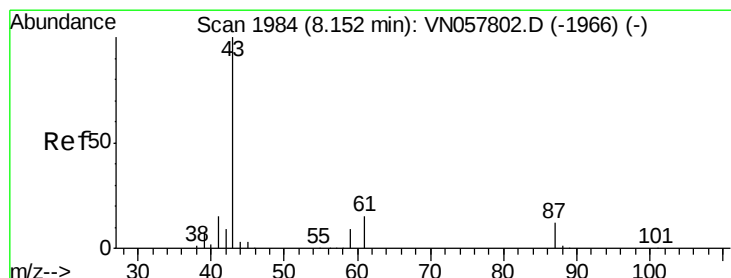
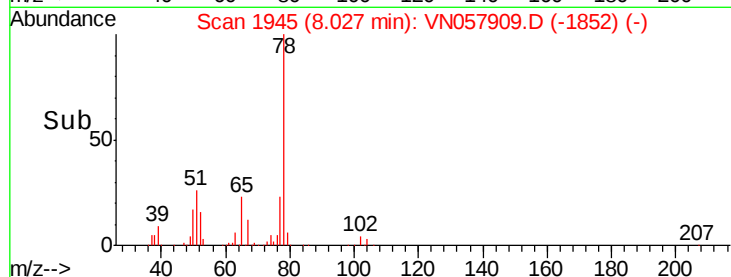
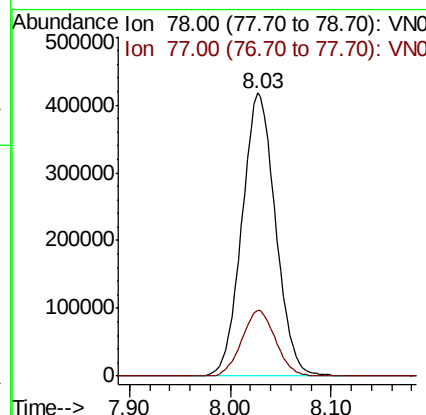
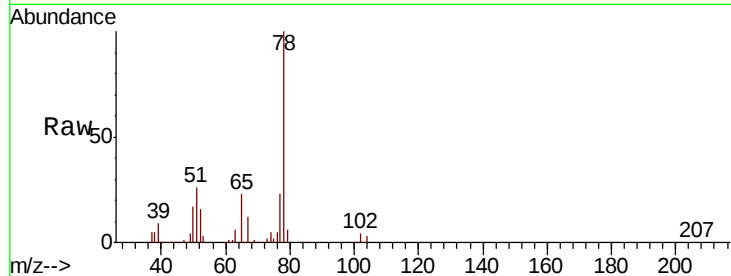




#40
Benzene
Concen: 53.180 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

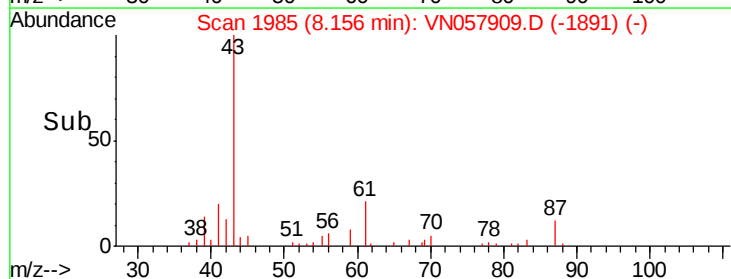
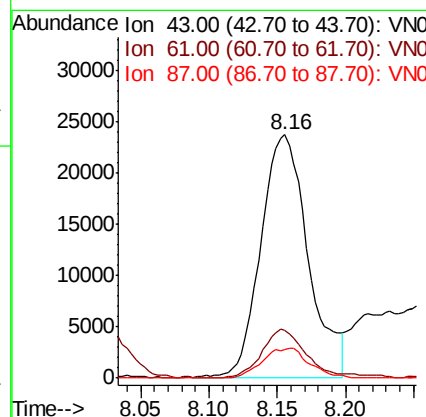
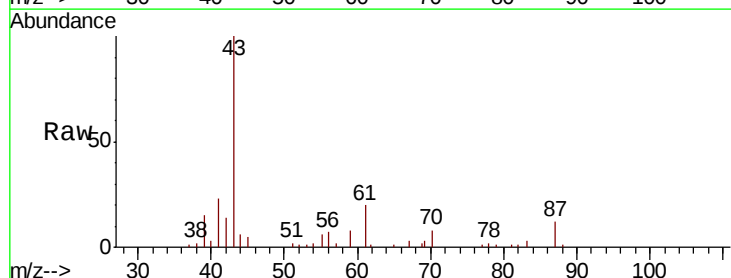
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ClientSampleId :
DRUM-2-RAGS

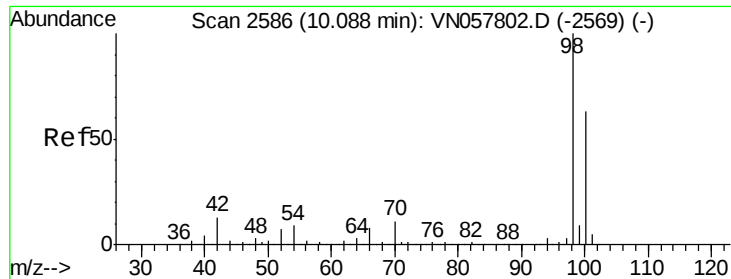
Tot Ion: 78 Resp: 962836
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5



#43
Isopropyl Acetate
Concen: 5.524 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 43 Resp: 57722
Ion Ratio Lower Upper
43 100
61 18.7 20.1 30.1#
87 12.0 9.5 14.3

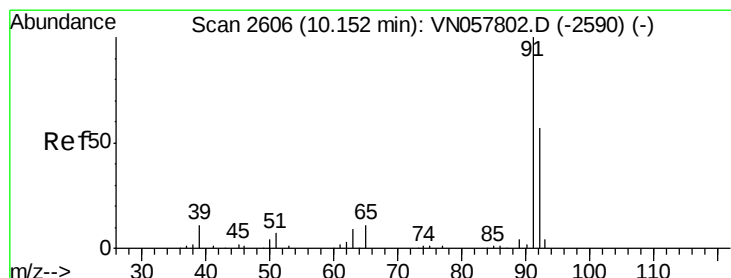
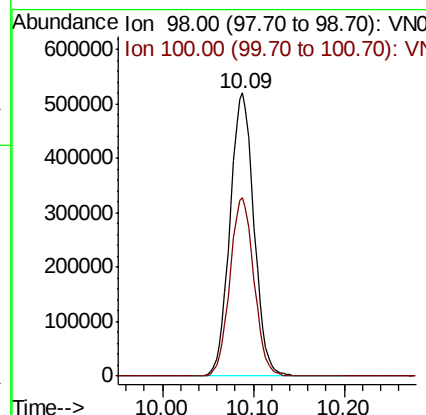
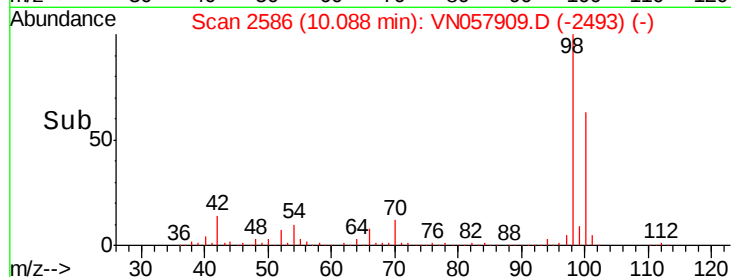
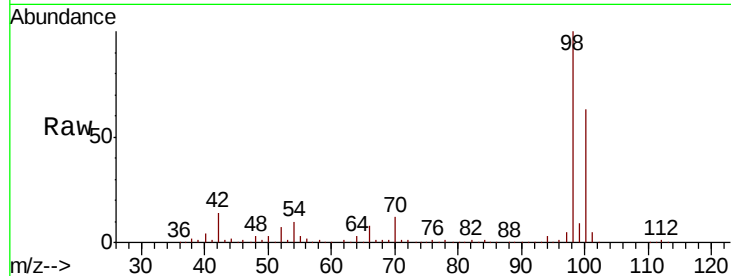




#50
Toluene-d8
Concen: 51.181 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

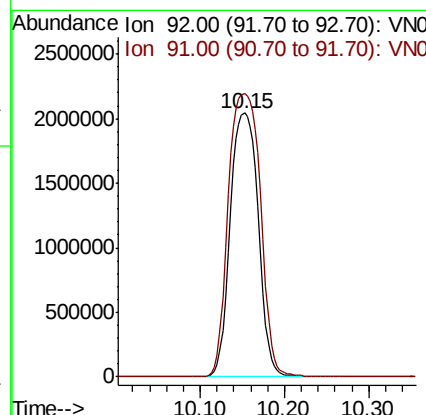
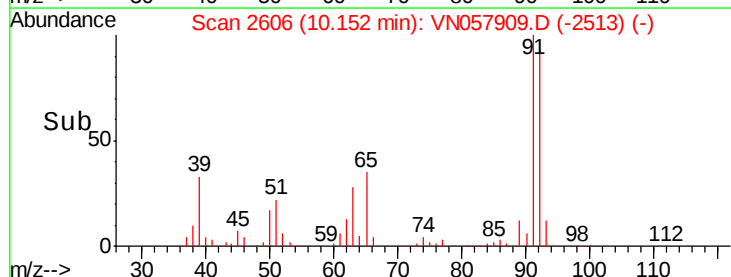
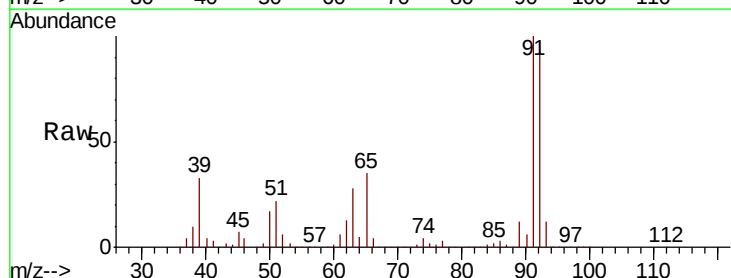
Instrument :
MSVOA_N
ClientSampleId :
DRUM-2-RAGS

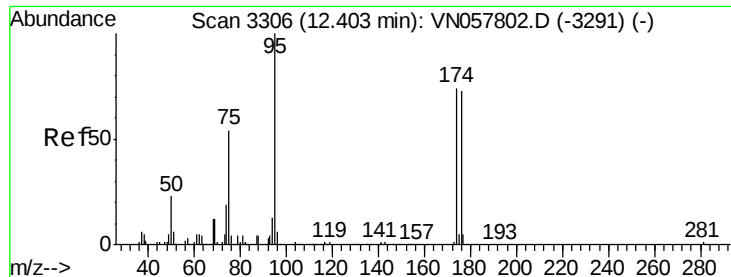
Tot Ion: 98 Resp: 951019
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#52
Toluene
Concen: 415.454 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 92 Resp: 4737522
Ion Ratio Lower Upper
92 100
91 123.6 141.0 211.6#





#62

4-Bromofluorobenzene

Concen: 51.236 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2-RAGS

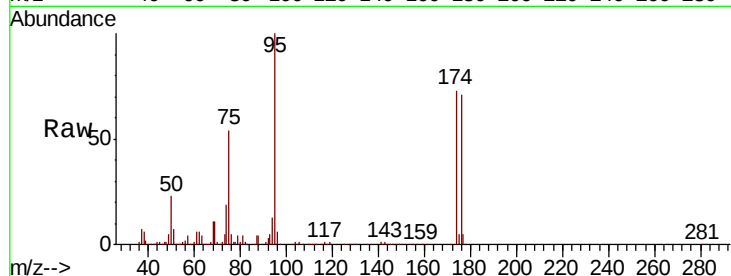
Tot Ion: 95 Resp: 362808

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

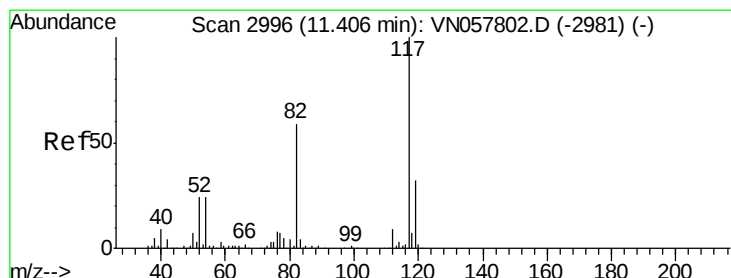
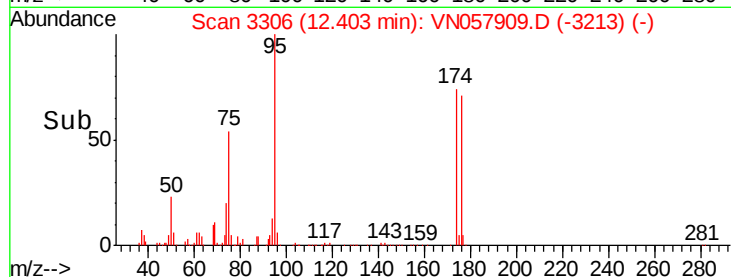
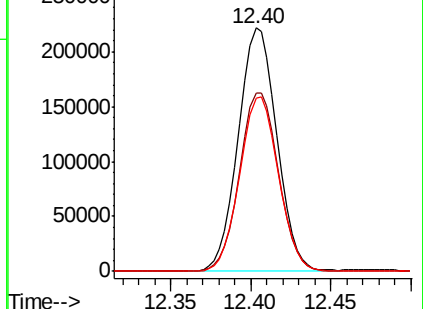
176 72.5 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

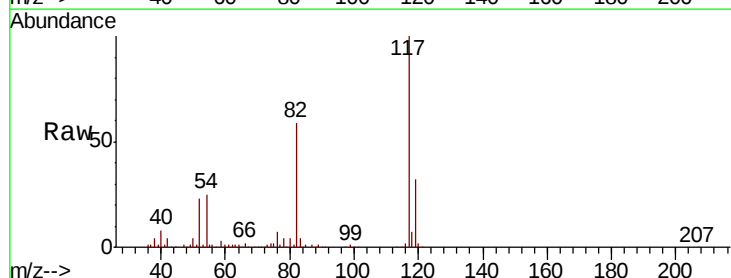
Tgt Ion: 117 Resp: 498867

Ion Ratio Lower Upper

117 100

82 58.9 47.2 70.8

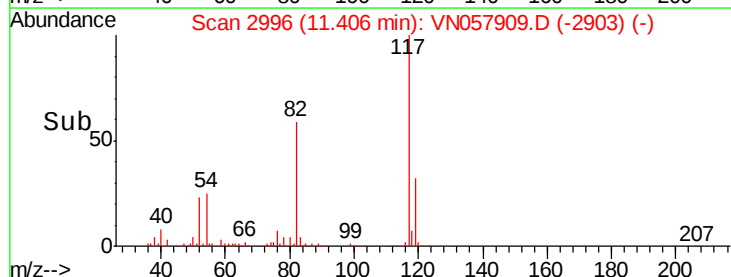
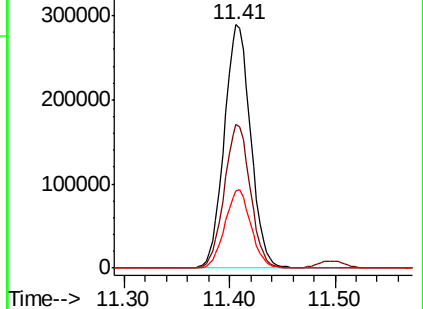
119 31.8 25.3 37.9

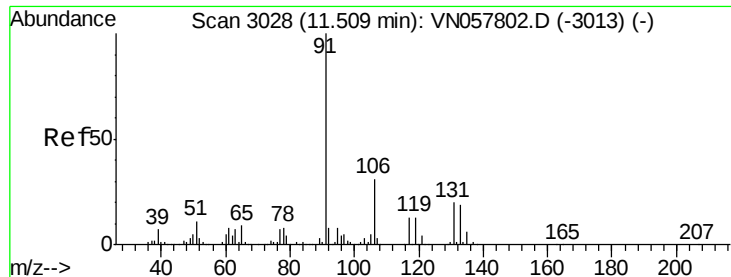


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

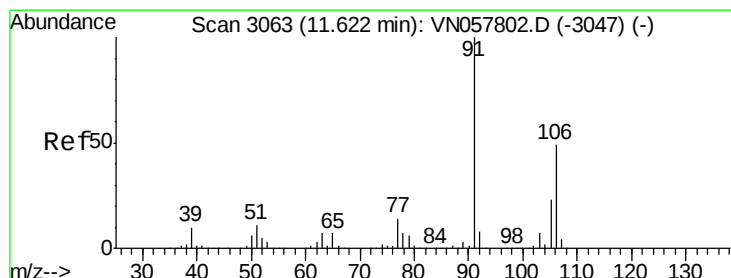
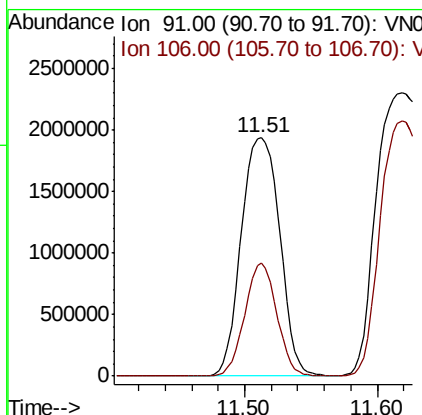
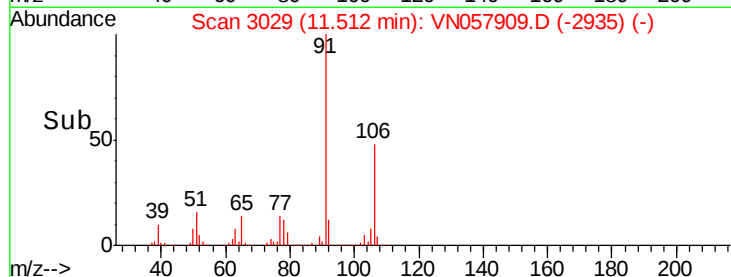
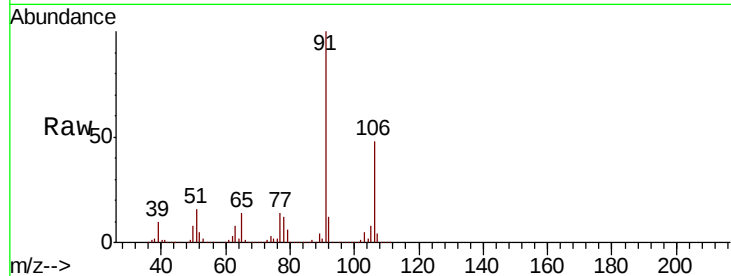




#67
Ethyl Benzene
Concen: 171.253 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

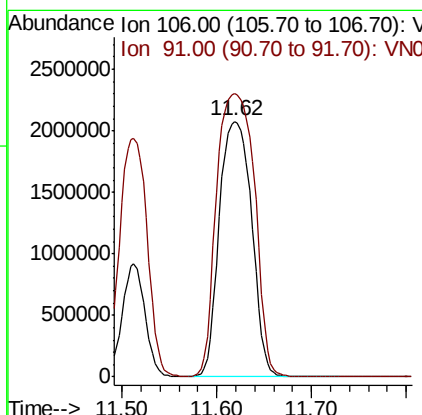
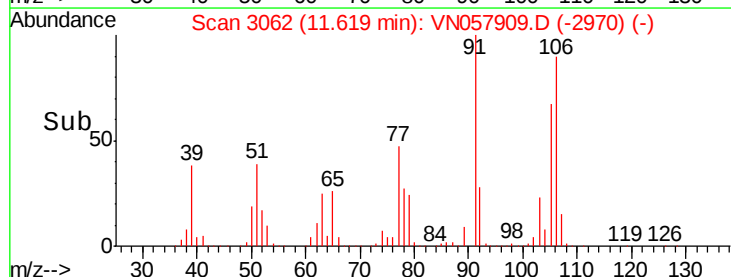
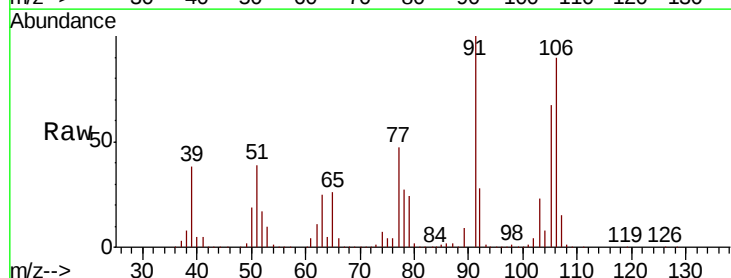
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

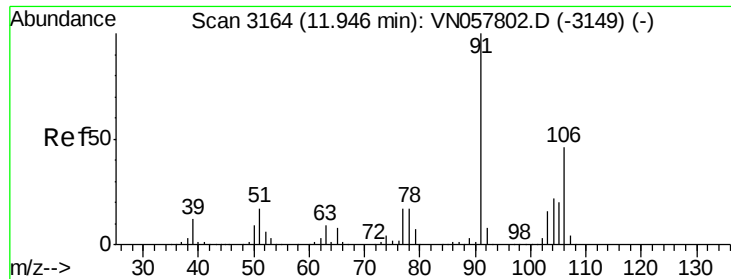
Tot Ion: 91 Resp: 3918369
Ion Ratio Lower Upper
91 100
106 47.6 24.4 36.6#



#68
m/p-Xylenes
Concen: 587.476 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion: 106 Resp: 4923742
Ion Ratio Lower Upper
106 100
91 130.4 165.8 248.6#

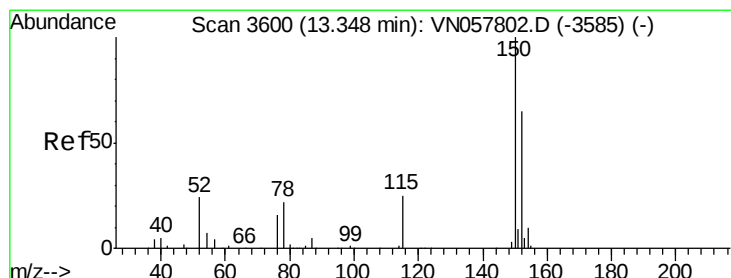
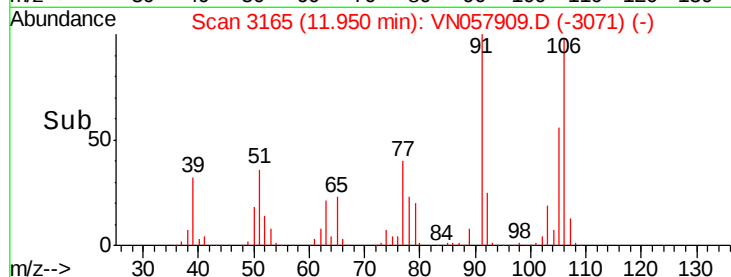
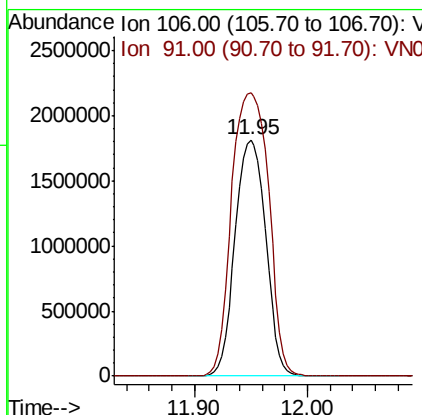
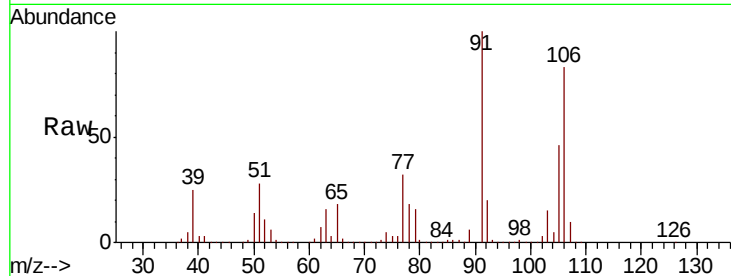




#69
o-Xylene
Concen: 411.176 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

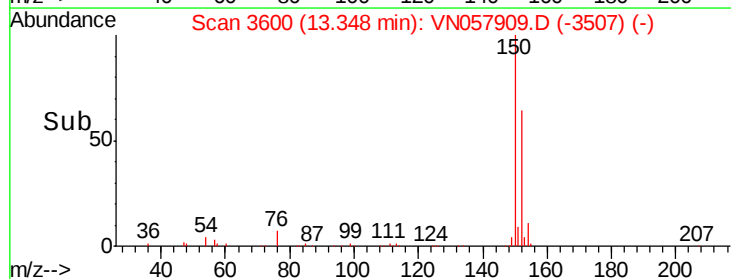
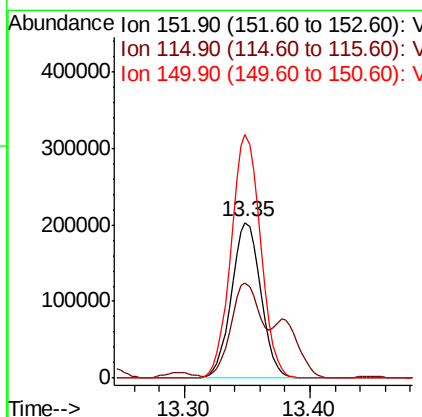
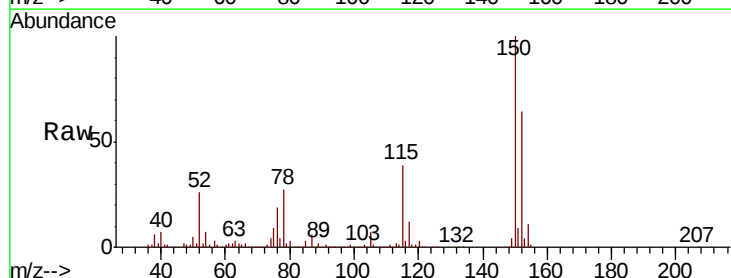
Instrument :
MSVOA_N
ClientSampled :
DRUM-2-RAGS

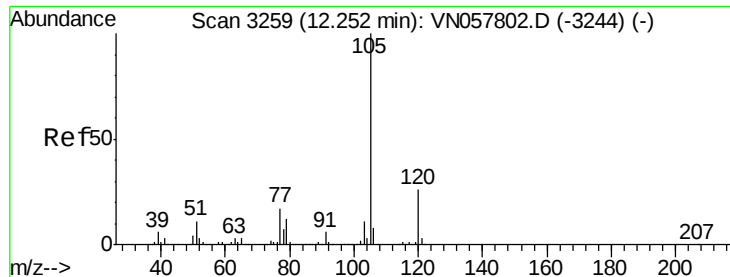
Tot Ion:106 Resp: 3425976
Ion Ratio Lower Upper
106 100
91 145.2 108.7 326.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057909.D
Acq: 11 Sep 2019 9:11

Tgt Ion:152 Resp: 330047
Ion Ratio Lower Upper
152 100
115 62.0 30.3 91.0
150 157.2 0.0 352.4





#73

Isopropylbenzene

Concen: 26.596 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

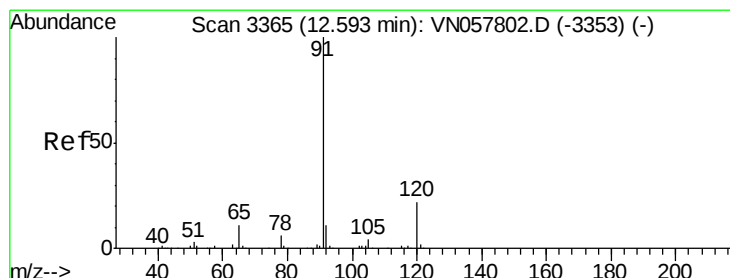
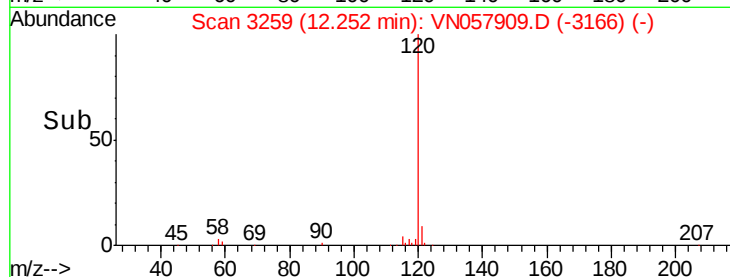
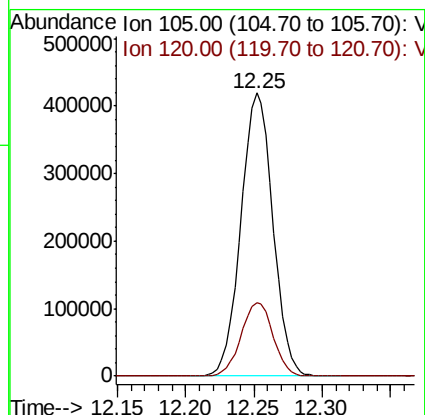
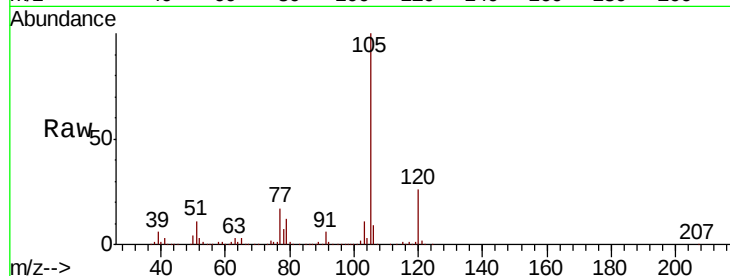
DRUM-2-RAGS

Tot Ion:105 Resp: 681141

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#78

n-propylbenzene

Concen: 44.846 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057909.D

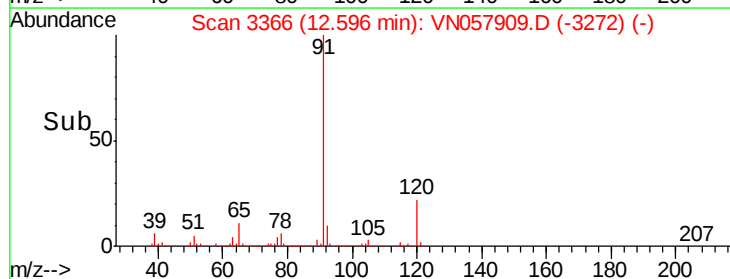
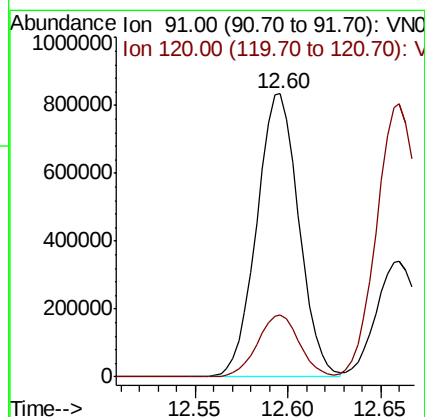
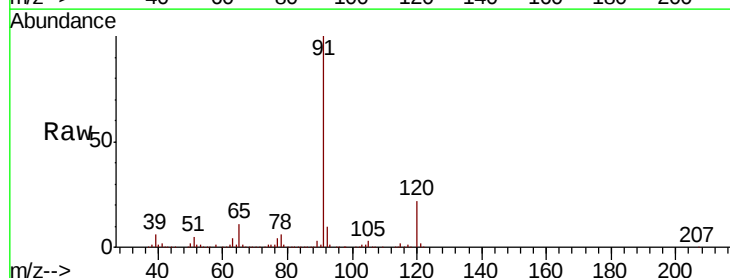
Acq: 11 Sep 2019 9:11

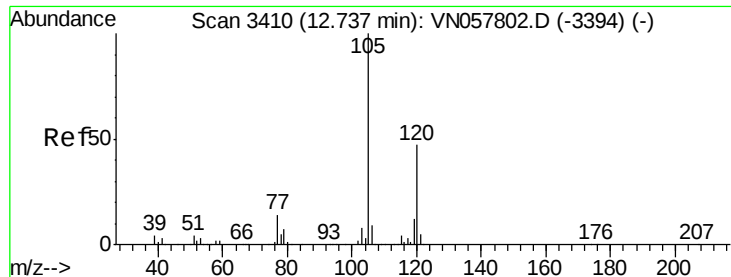
Tgt Ion: 91 Resp: 1318873

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.1

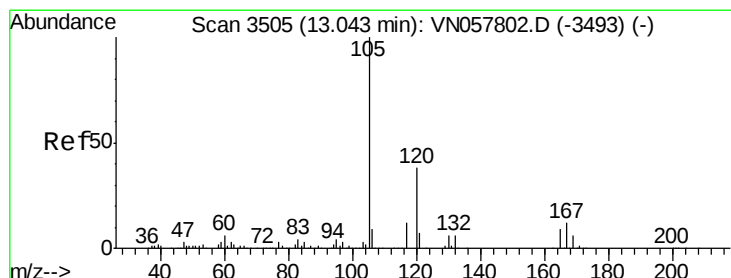
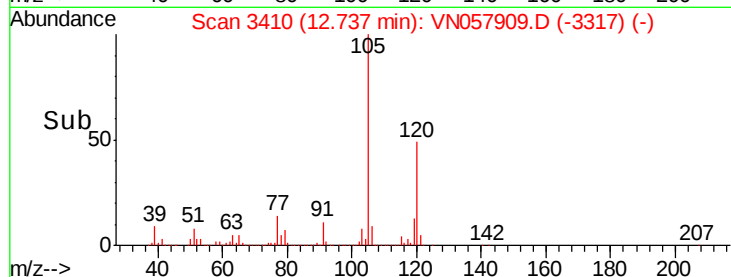
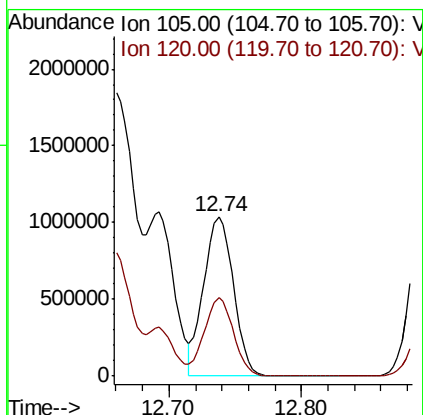
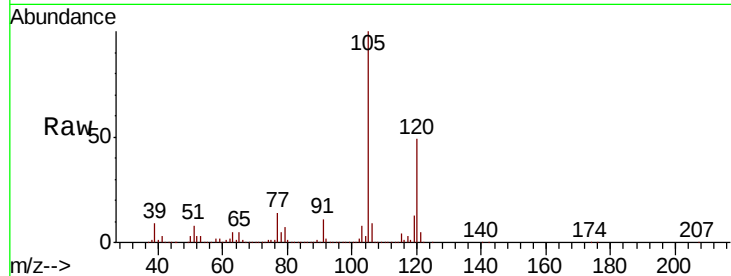




#80
 1,3,5-Trimethylbenzene
 Concen: 74.894 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

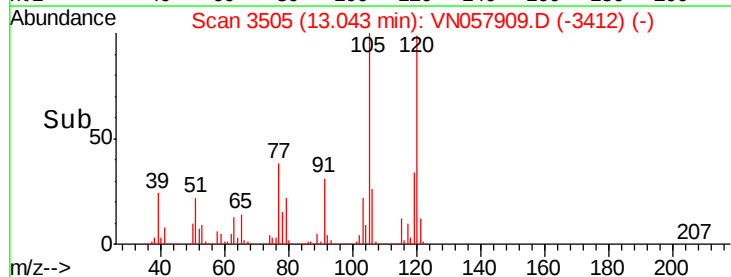
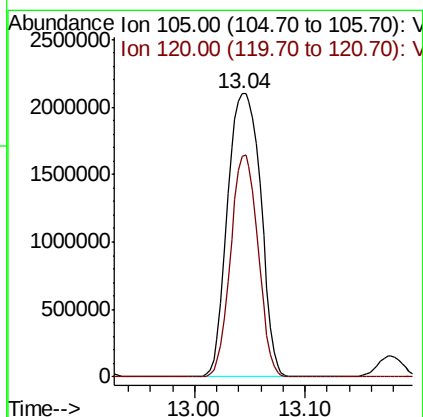
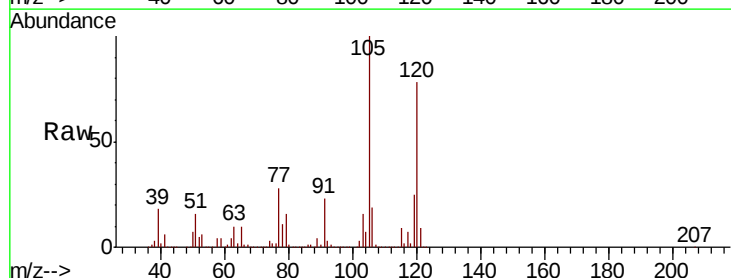
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2-RAGS

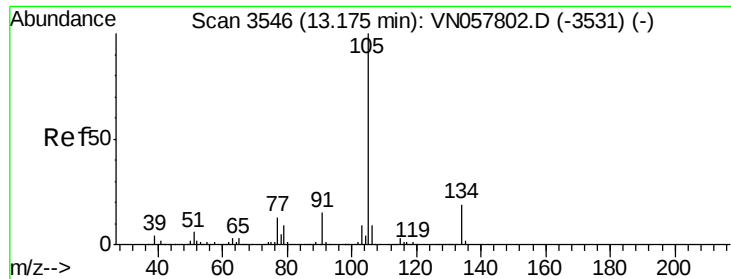
Tot Ion:105 Resp: 1620653
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 199.445 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN057909.D
 Acq: 11 Sep 2019 9:11

Tgt Ion:105 Resp: 4386438
 Ion Ratio Lower Upper
 105 100
 120 64.8 22.4 67.2





#85

sec-Butylbenzene

Concen: 9.826 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

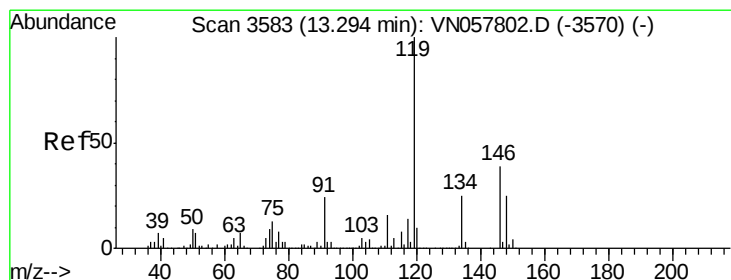
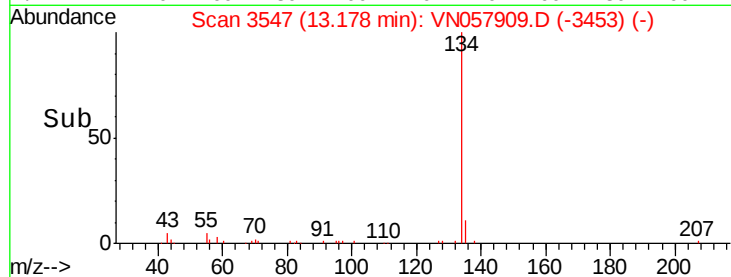
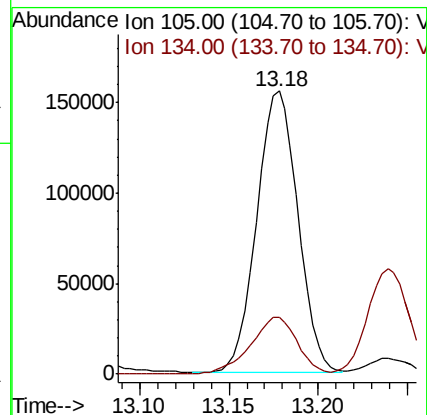
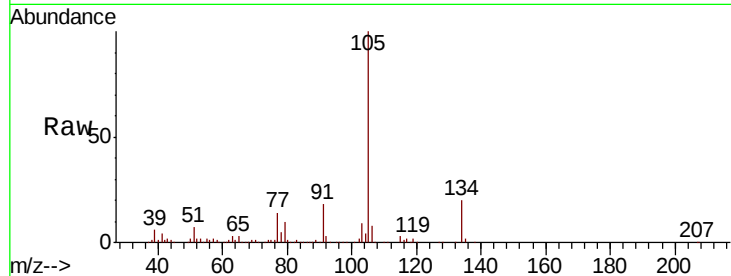
DRUM-2-RAGS

Tot Ion:105 Resp: 250514

Ion Ratio Lower Upper

105 100

134 22.9 9.6 28.6



#86

p-Isopropyltoluene

Concen: 6.528 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

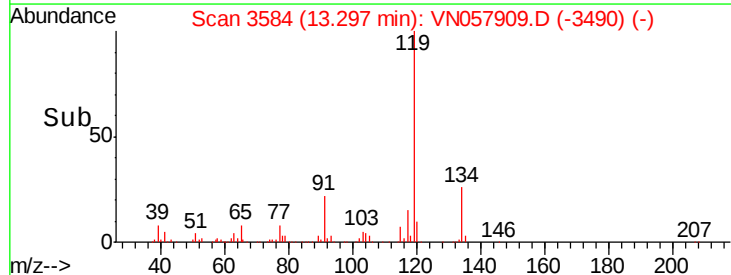
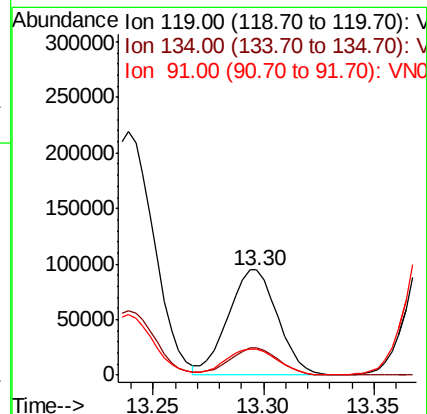
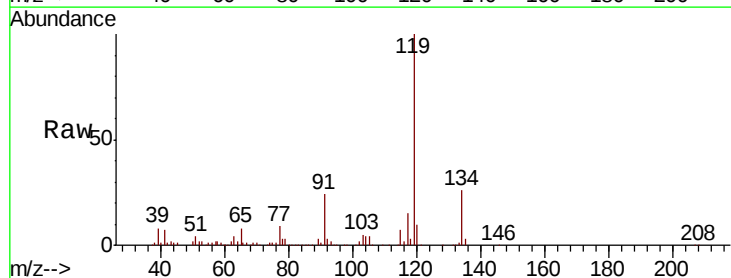
Tgt Ion:119 Resp: 146647

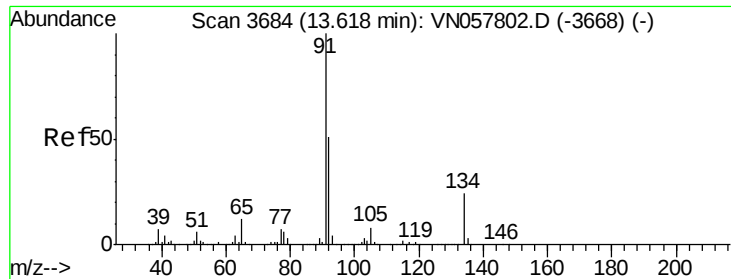
Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

91 25.5 12.3 36.8





#89

n-Butylbenzene

Concen: 7.093 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2-RAGS

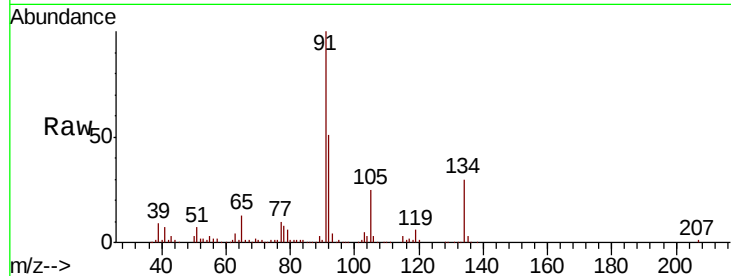
Tot Ion: 91 Resp: 150468

Ion Ratio Lower Upper

91 100

92 65.1 25.7 77.0

134 0.0 11.9 35.7#

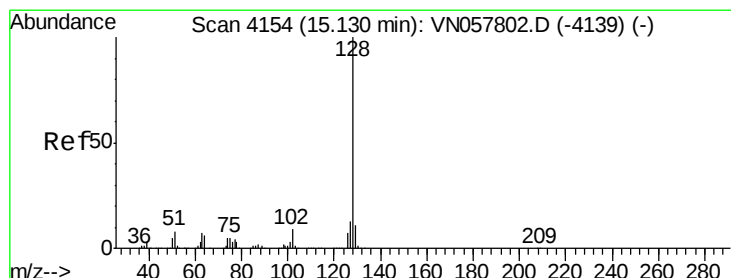
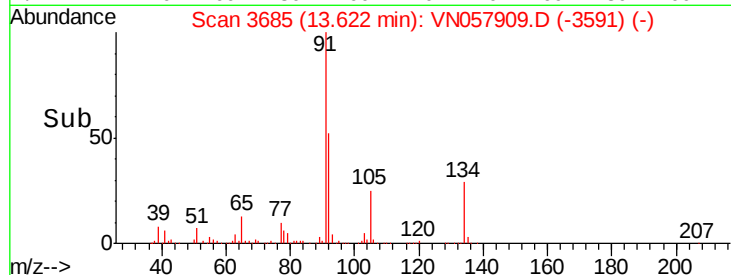
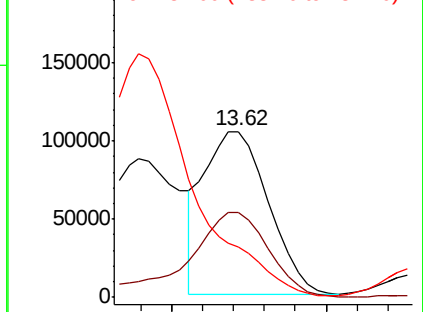


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#95

Naphthalene

Concen: 53.719 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057909.D

Acq: 11 Sep 2019 9:11

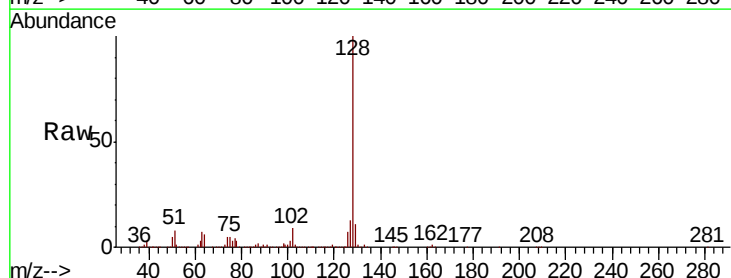
Tgt Ion: 128 Resp: 1035644

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.8 8.6 12.8



Abundance

Ion 128.00 (127.70 to 128.70): VN0

Ion 127.00 (126.70 to 127.70): VN0

Ion 129.00 (128.70 to 129.70): VN0

