

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053196.D
 Acq On : 24 Dec 2018 20:07
 Operator : MD\SY
 Sample : J6528-02 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23737

Quant Time: Dec 24 22:33:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

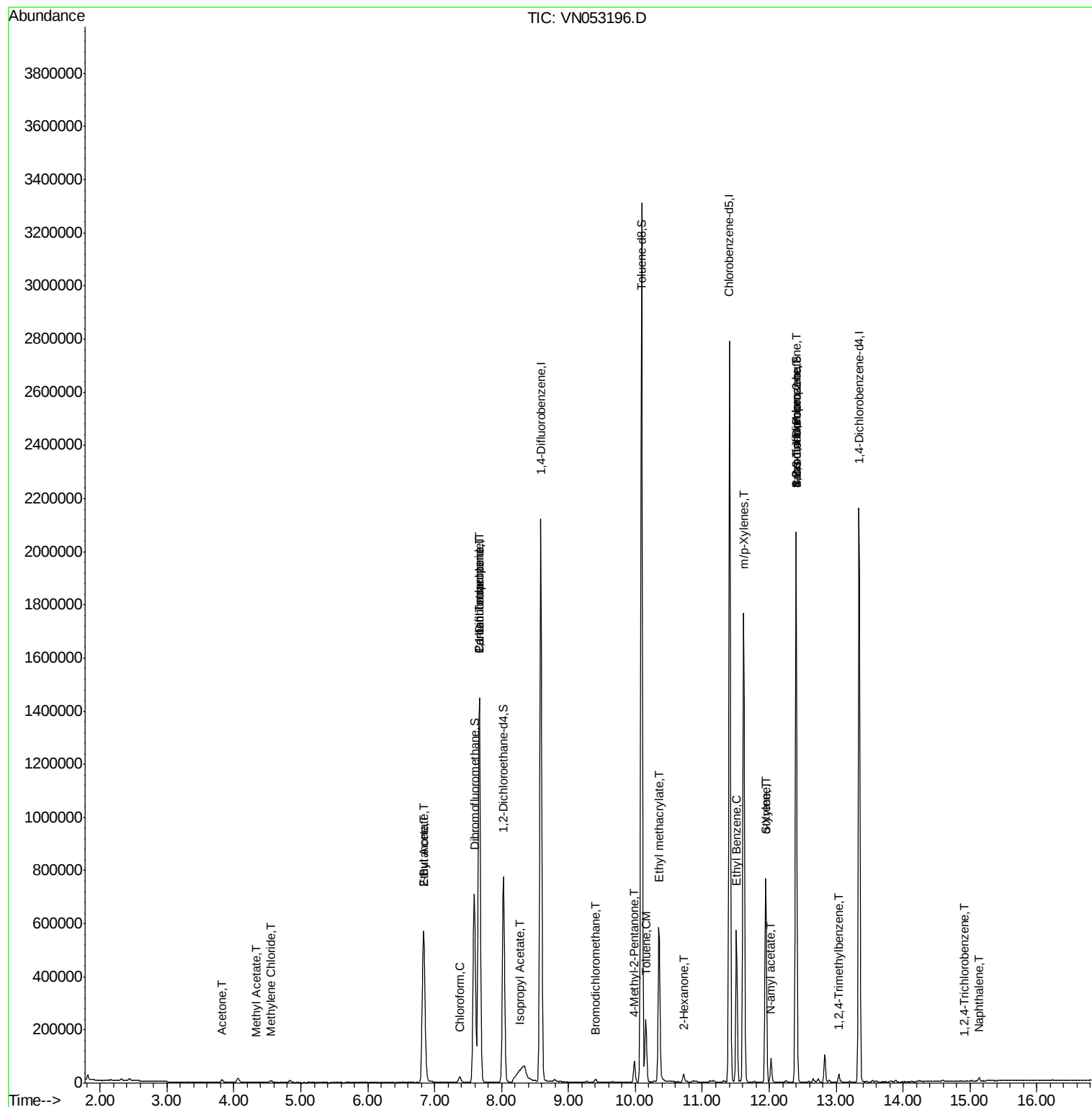
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1278855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1986614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1679650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	615173	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	640552	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.59	113	550536	60.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.34%	
50) Toluene-d8	10.09	98	2380375	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	730124	42.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.38%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	17751	6.976	ug/l	94
18) Methyl Acetate	4.33	43	4764	1.396	ug/l #	84
20) Methylene Chloride	4.56	84	5604	0.404	ug/l	97
25) 2-Butanone	6.83	43	1047783	245.359	ug/l	99
30) Chloroform	7.37	83	25363	1.078	ug/l	96
31) Cyclohexane	7.67	56	20133	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	84054	4.408	ug/l #	48
37) Ethyl Acetate	6.83	43	1047783	98.432	ug/l #	68
38) Carbon Tetrachloride	7.67	117	111099	6.357	ug/l #	16
43) Isopropyl Acetate	8.27	43	65884	2.200	ug/l #	53
47) Bromodichloromethane	9.40	83	7335	0.401	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	55225	5.357	ug/l	99
52) Toluene	10.16	92	104672	2.977	ug/l	99
56) Ethyl methacrylate	10.35	69	104683	6.449	ug/l #	71
59) 2-Hexanone	10.72	43	25870	3.709	ug/l #	23
67) Ethyl Benzene	11.51	91	426884	6.667	ug/l	100
68) m/p-Xylenes	11.62	106	569780	23.407	ug/l	100
69) o-Xylene	11.95	106	222144	9.510	ug/l	98
70) Styrene	11.95	104	13364	0.351	ug/l #	1
71) Bromoform	12.40	173	4227	0.452	ug/l #	1
74) N-amyl acetate	12.03	43	56981	4.264	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	339043	32.739	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	339043	105.523	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	18150	0.460	ug/l	100
93) 1,2,4-Trichlorobenzene	14.92	180	189	0.613	ug/l #	12
95) Naphthalene	15.14	128	12192	1.639	ug/l #	89

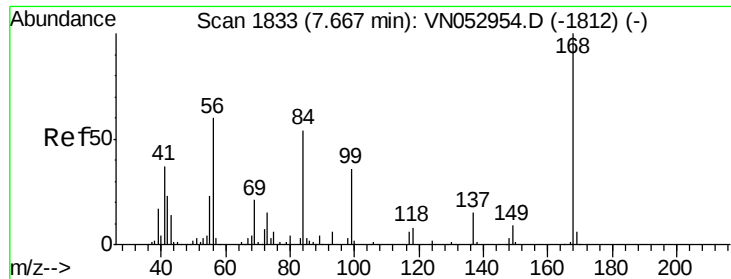
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

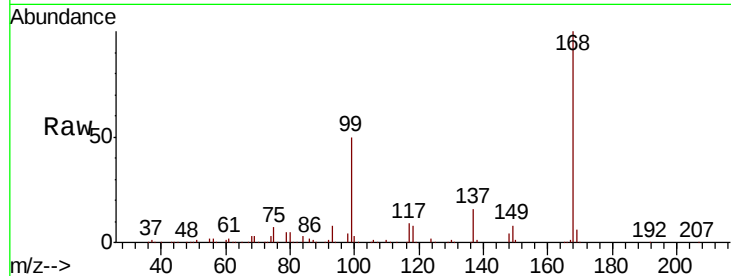
23737

Tot Ion:168 Resp: 1278855

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

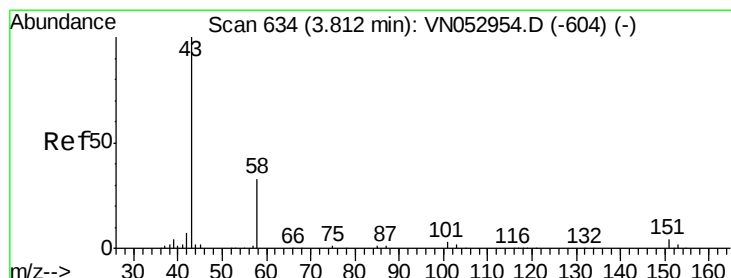
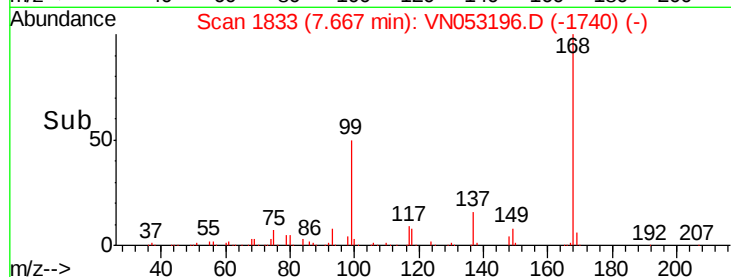
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.976 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053196.D

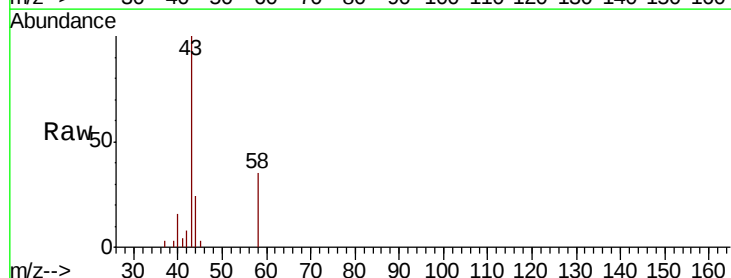
Acq: 24 Dec 2018 20:07

Tgt Ion: 43 Resp: 17751

Ion Ratio Lower Upper

43 100

58 34.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

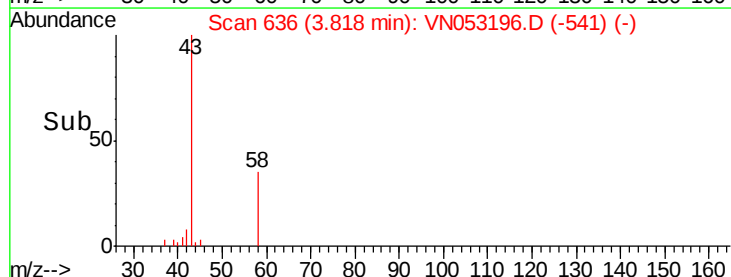
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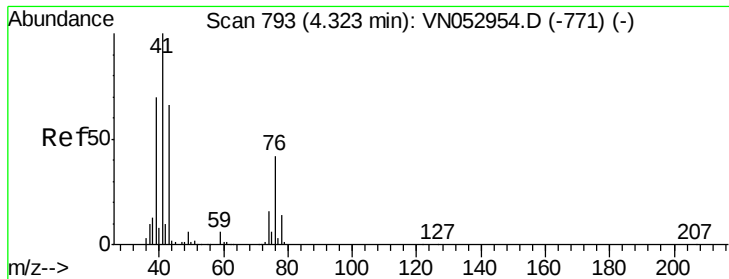
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2000

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Time-->

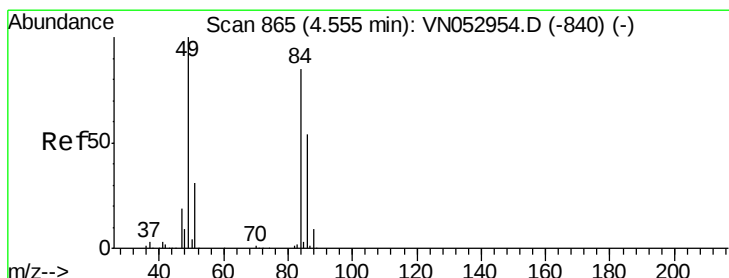
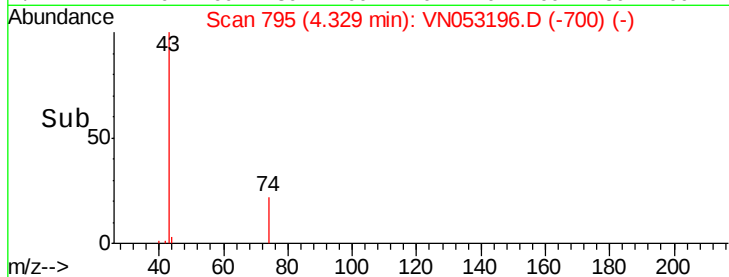
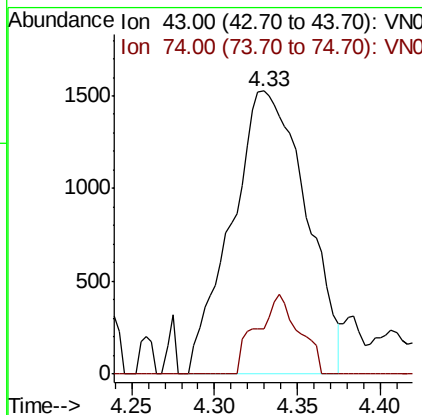
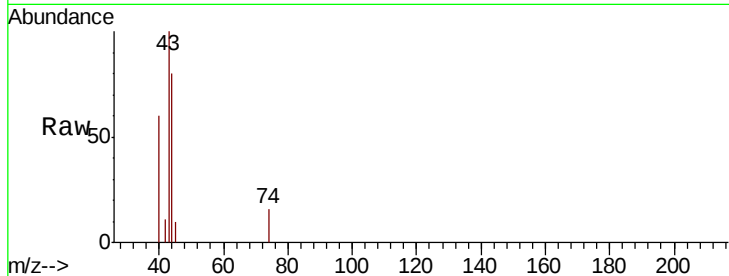




#18
Methyl Acetate
Concen: 1.396 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

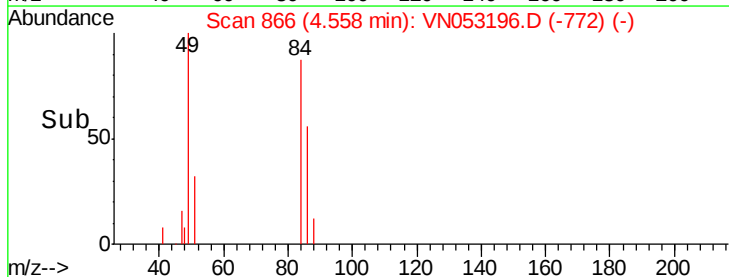
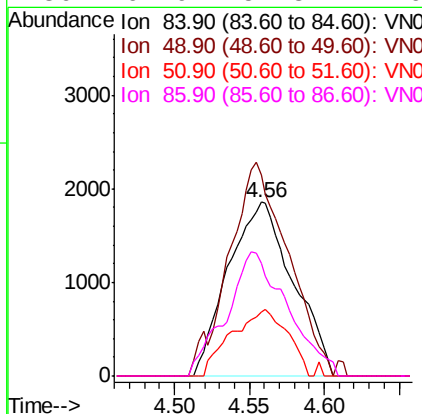
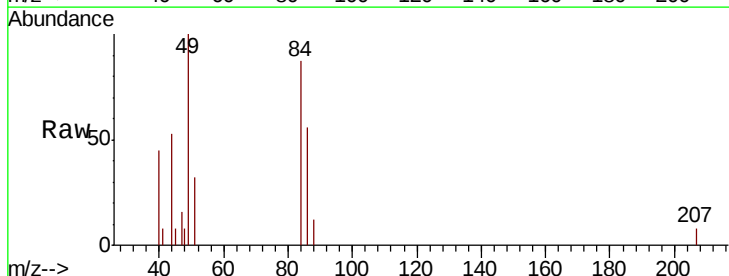
Instrument :
MSVOA_N
ClientSampled :
23737

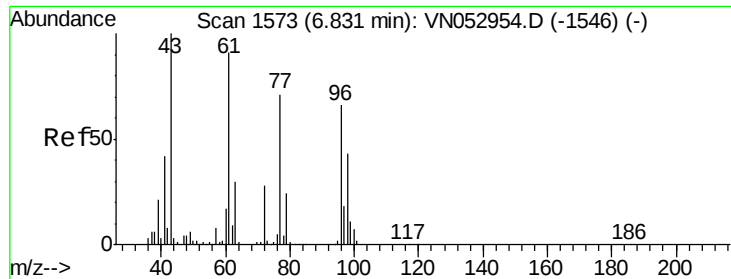
Tot Ion: 43 Resp: 4764
Ion Ratio Lower Upper
43 100
74 16.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.404 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Tgt Ion: 84 Resp: 5604
Ion Ratio Lower Upper
84 100
49 115.4 96.8 145.2
51 36.9 29.9 44.9
86 64.9 51.8 77.6

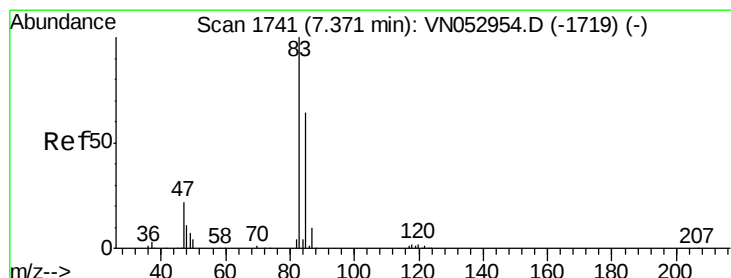
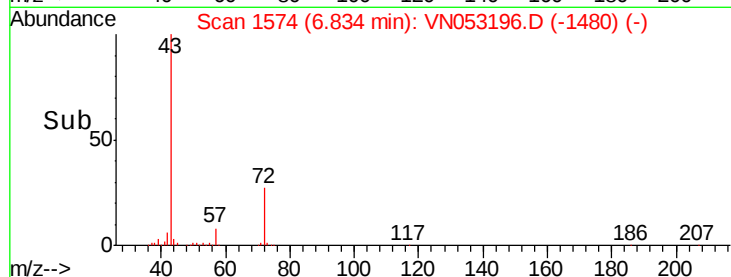
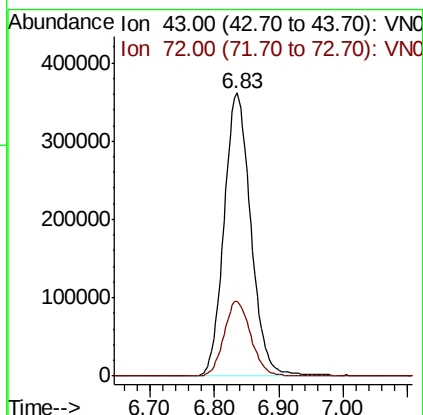
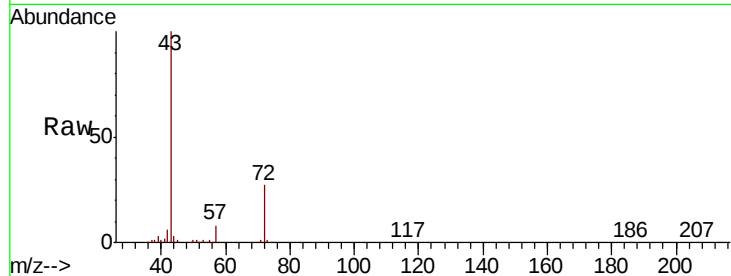




#25
2-Butanone
Concen: 245.359 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

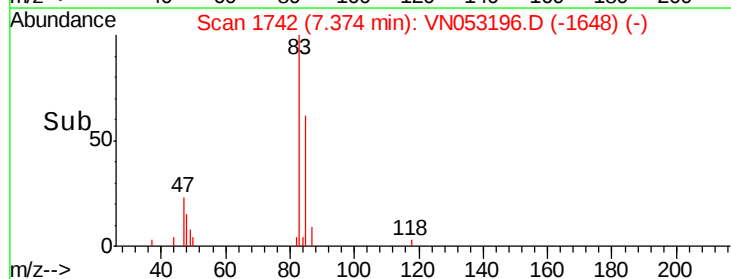
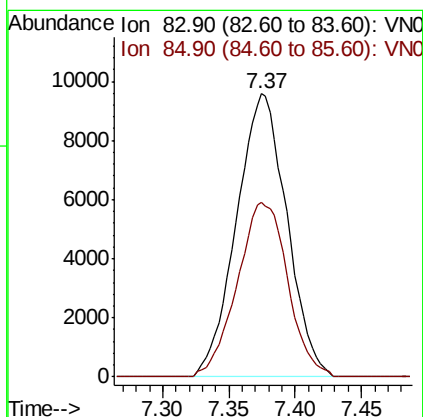
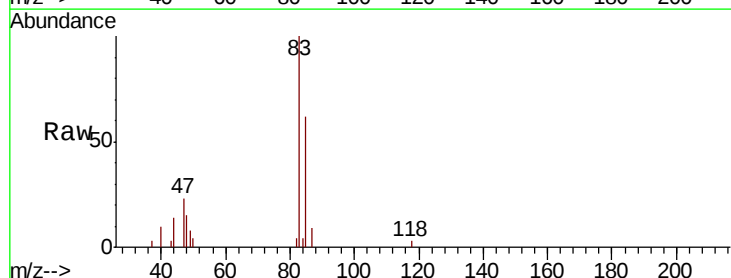
Instrument :
MSVOA_N
ClientSampled :
23737

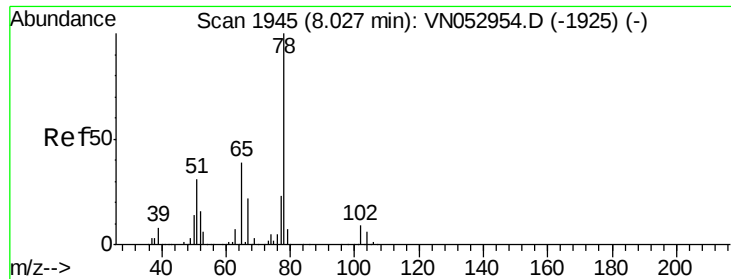
Tot Ion: 43 Resp: 1047783
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.6



#30
Chloroform
Concen: 1.078 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Tgt Ion: 83 Resp: 25363
Ion Ratio Lower Upper
83 100
85 61.8 52.1 78.1

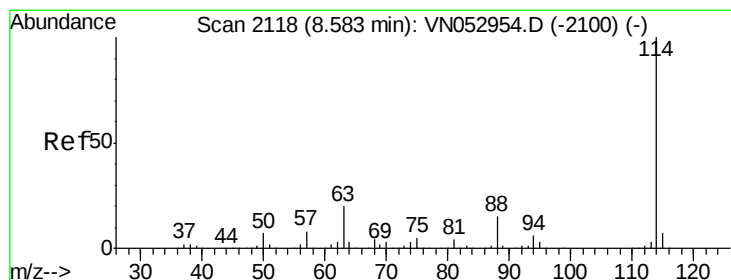
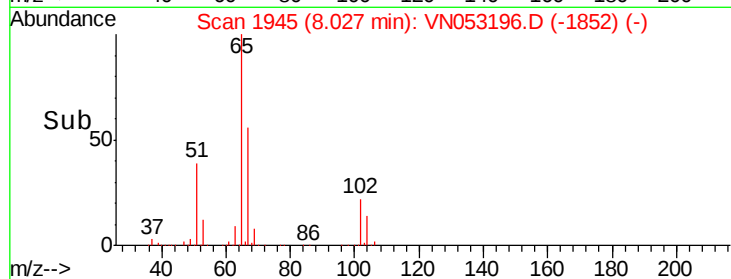
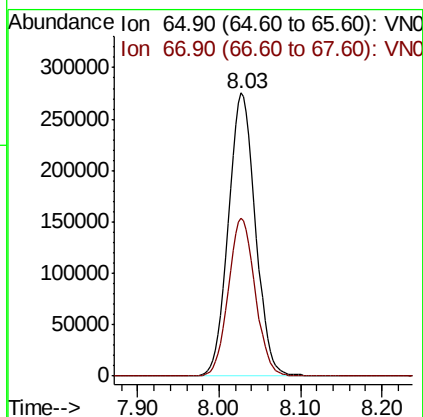
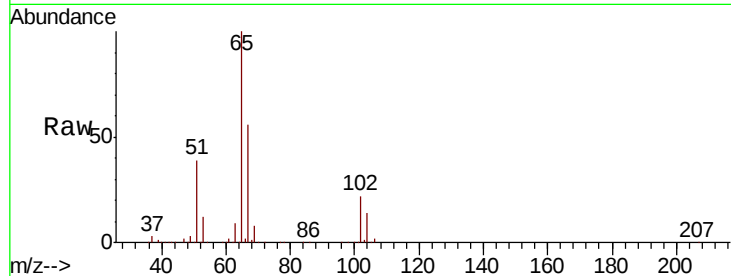




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053196.D
 Acq: 24 Dec 2018 20:07

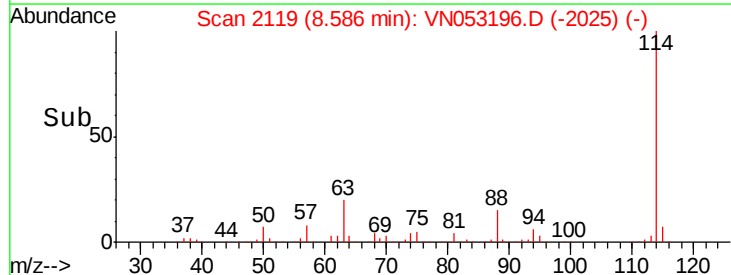
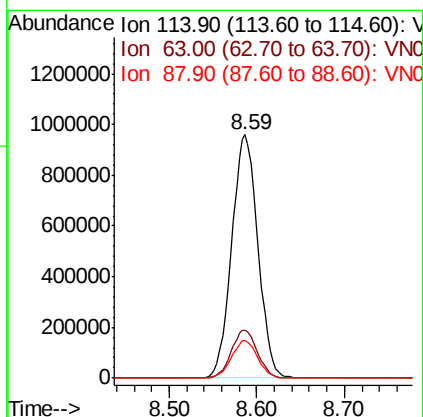
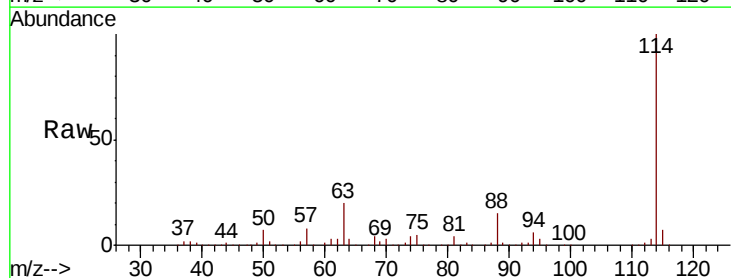
Instrument :
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 ClientSampleId :
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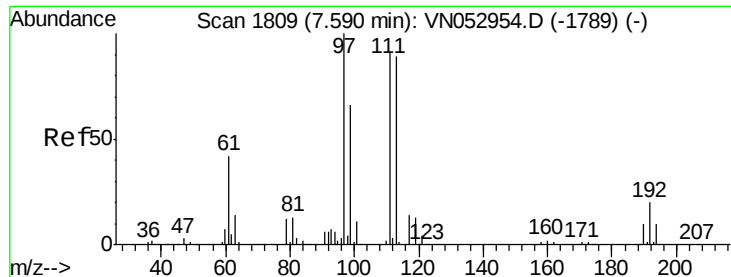
Tot Ion: 65 Resp: 640552
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053196.D
 Acq: 24 Dec 2018 20:07

Tgt Ion: 114 Resp: 1986614
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 31.0

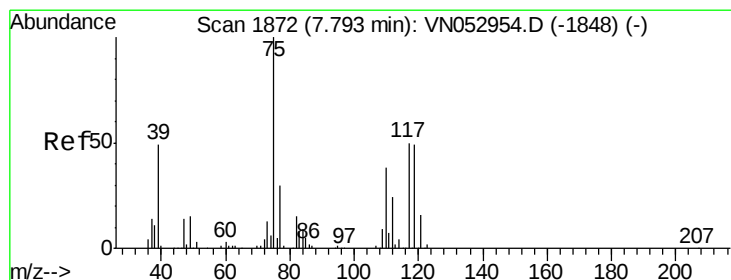
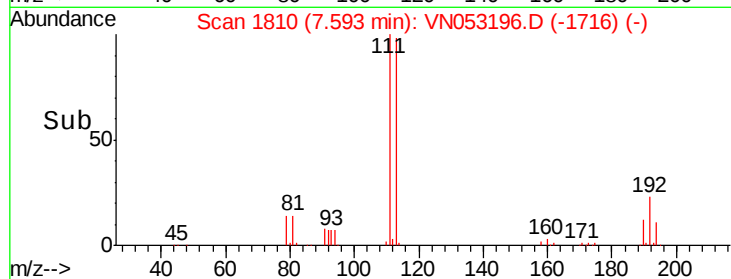
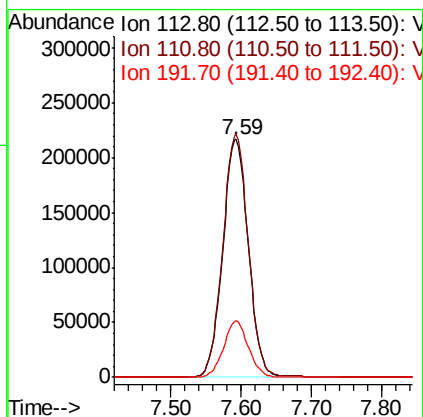
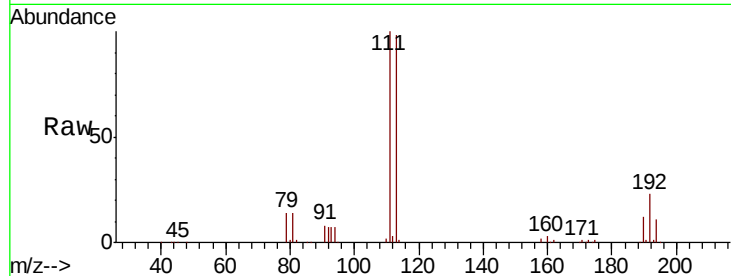




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053196.D
 Acq: 24 Dec 2018 20:07

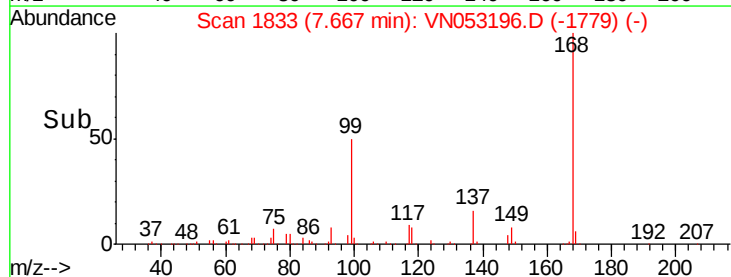
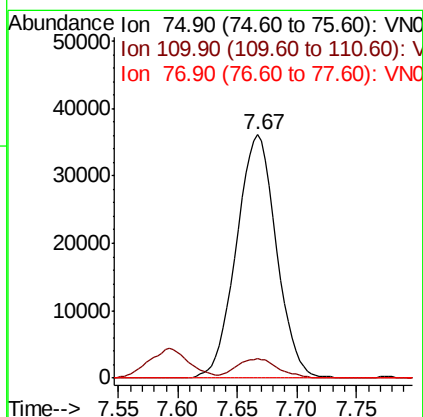
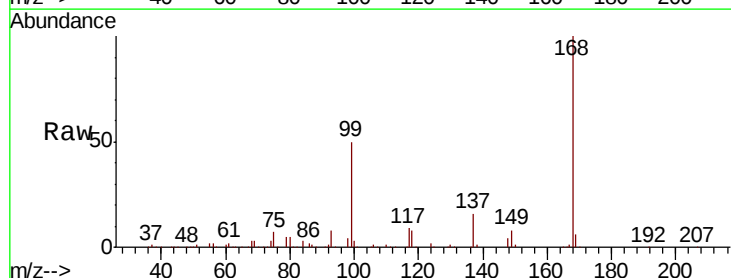
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 ClientSampled :
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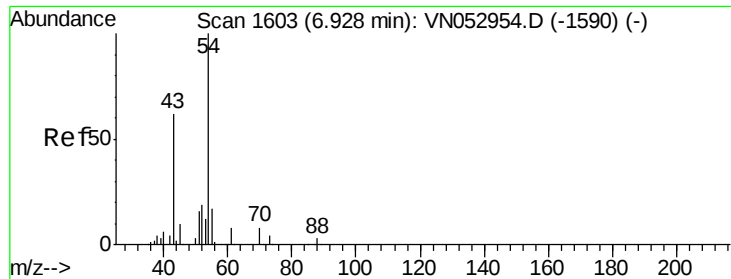
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.0	124.4
192	22.9	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.408 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053196.D
 Acq: 24 Dec 2018 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.2	54.6#
77	0.0	24.9	37.3#

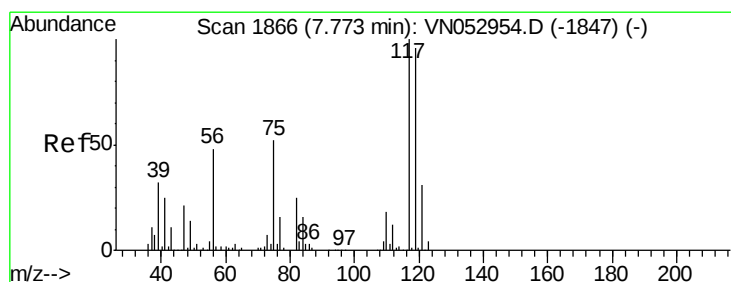
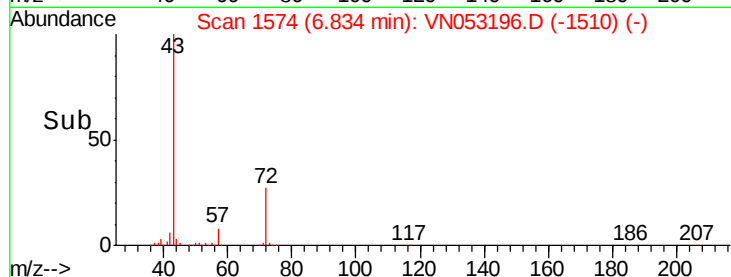
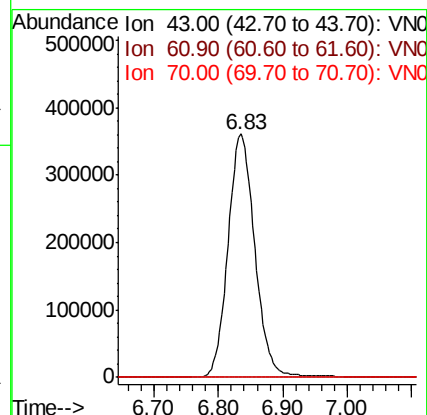
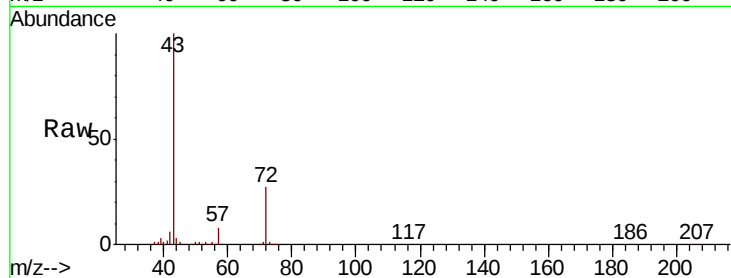




#37
Ethyl Acetate
Concen: 98.432 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.09 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

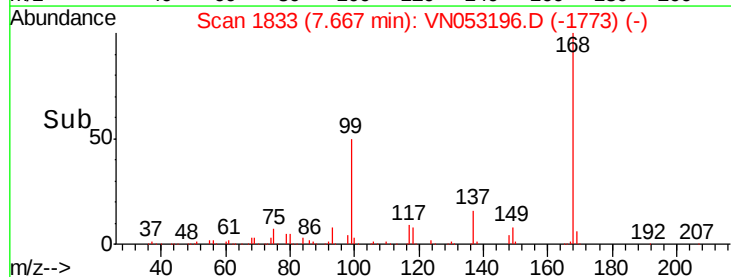
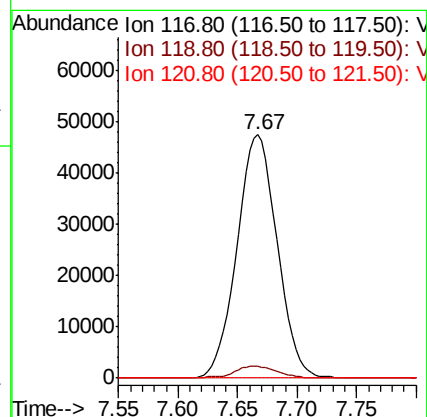
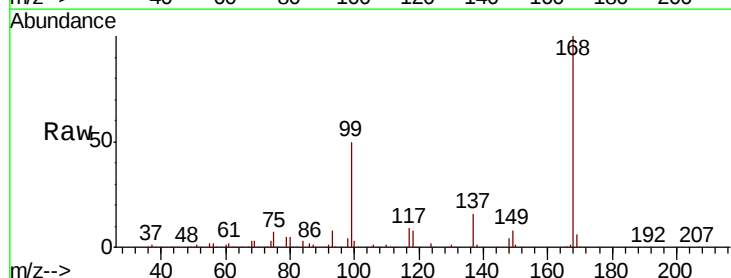
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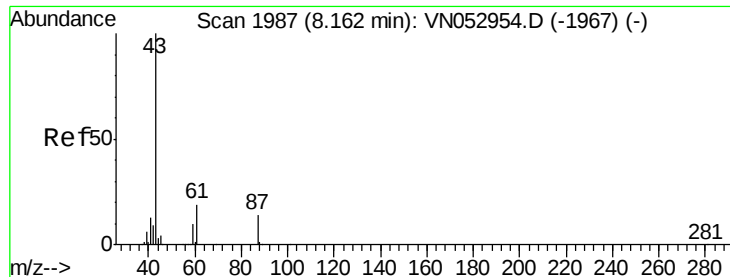
Tot Ion: 43 Resp: 1047783
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Tgt Ion: 117 Resp: 111099
Ion Ratio Lower Upper
117 100
119 5.0 77.1 115.7#
121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 2.200 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

23737

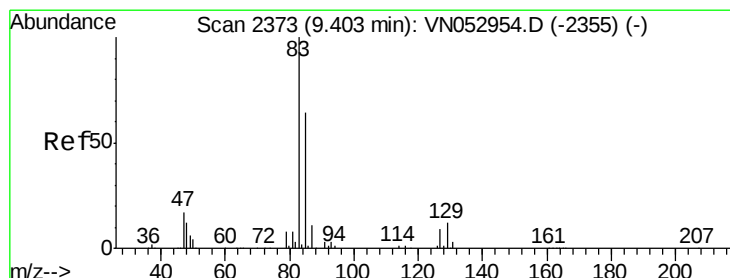
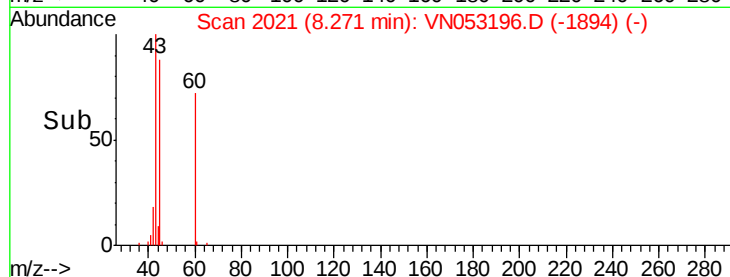
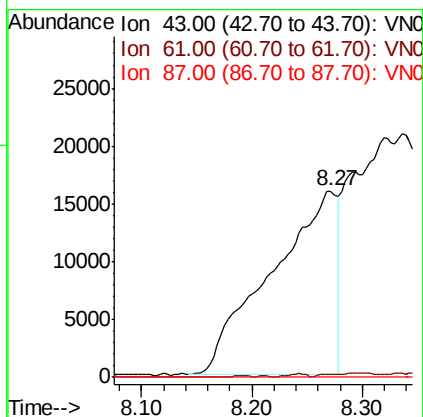
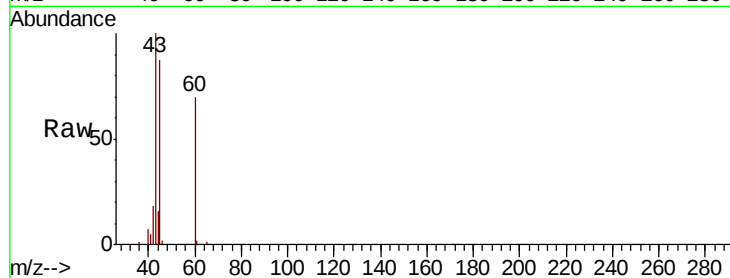
Tot Ion: 43 Resp: 65884

Ion Ratio Lower Upper

43 100

61 0.5 22.9 34.3#

87 0.0 10.6 15.8#



#47

Bromodichloromethane

Concen: 0.401 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

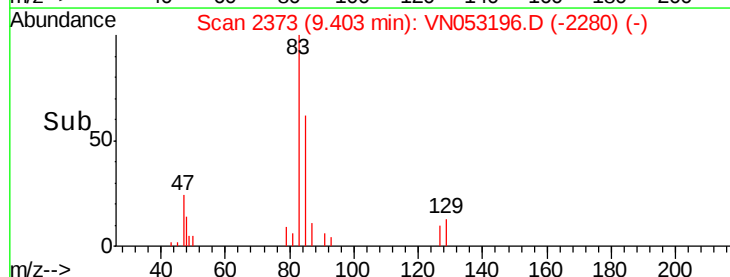
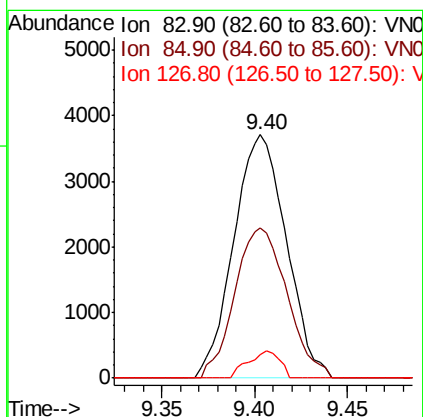
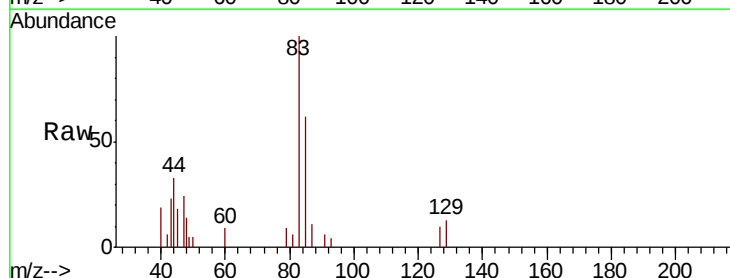
Tgt Ion: 83 Resp: 7335

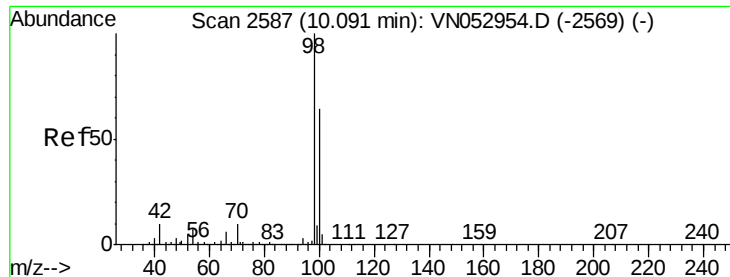
Ion Ratio Lower Upper

83 100

85 61.8 51.6 77.4

127 9.6 7.1 10.7





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

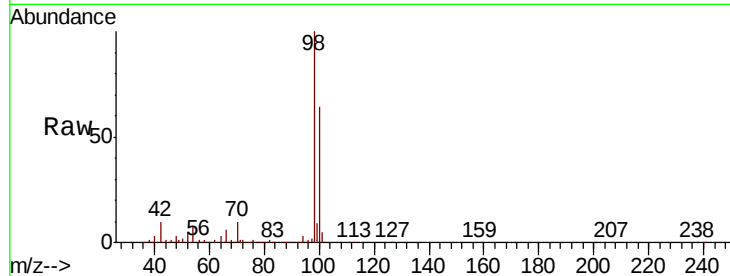
23737

Tot Ion: 98 Resp: 2380375

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)

1500000

1000000

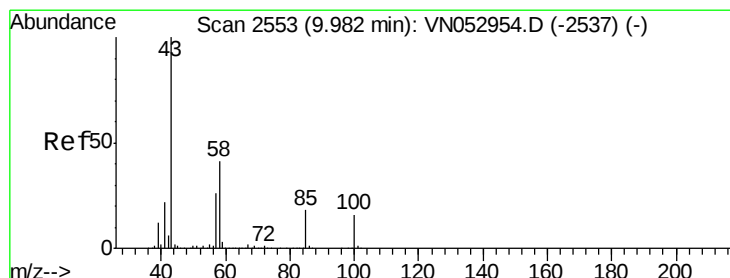
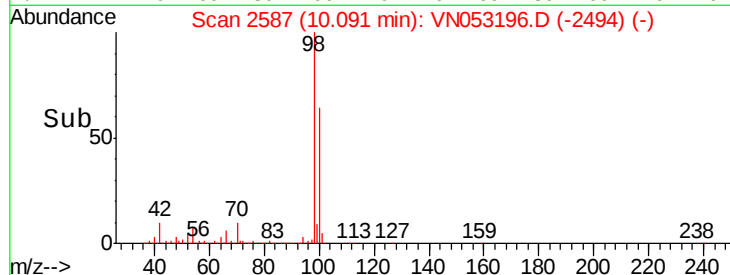
500000

0

10.09

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 5.357 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053196.D

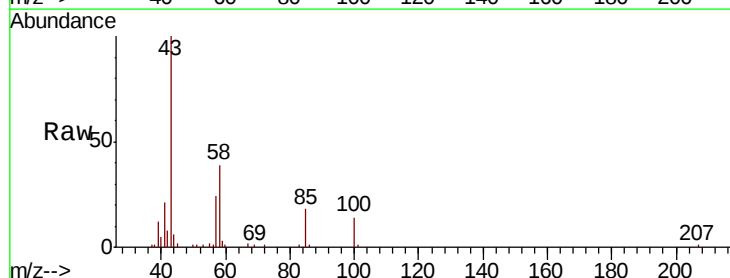
Acq: 24 Dec 2018 20:07

Tgt Ion: 43 Resp: 55225

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2537) (-)

30000

20000

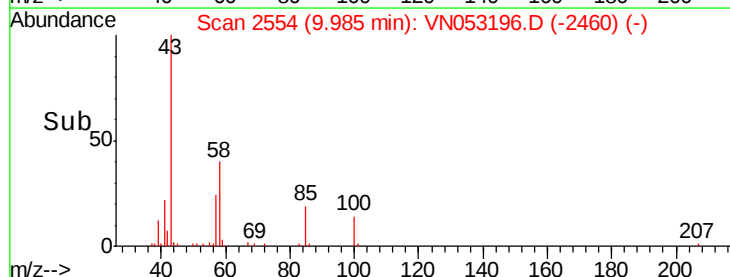
10000

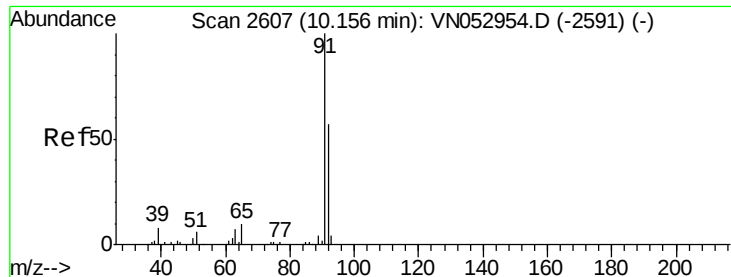
0

9.99

9.90 10.00

Time-->





#52

Toluene

Concen: 2.977 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

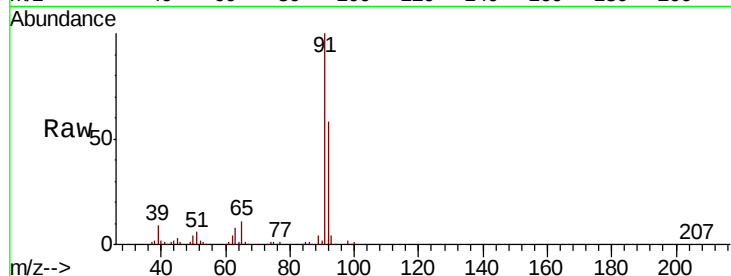
23737

Tot Ion: 92 Resp: 104672

Ion Ratio Lower Upper

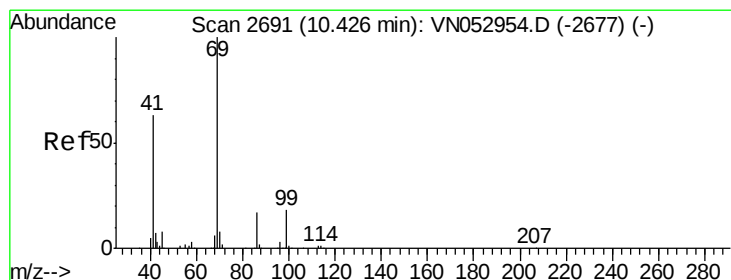
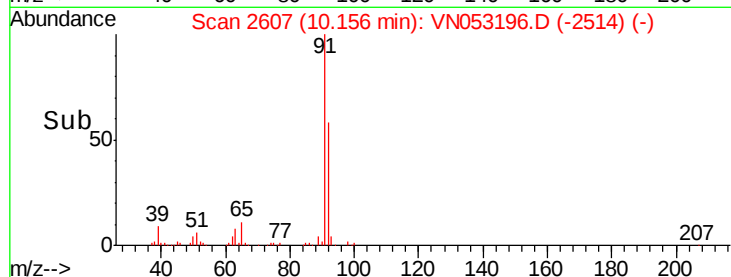
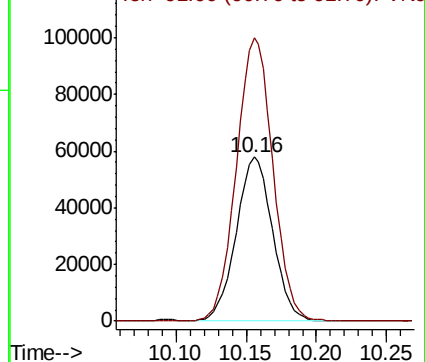
92 100

91 173.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#56

Ethyl methacrylate

Concen: 6.449 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. -0.07 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

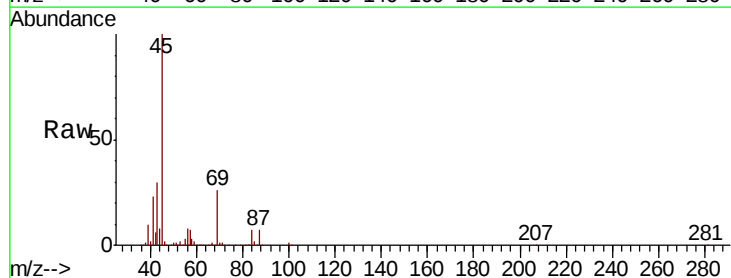
Tgt Ion: 69 Resp: 104683

Ion Ratio Lower Upper

69 100

41 91.6 51.7 77.5#

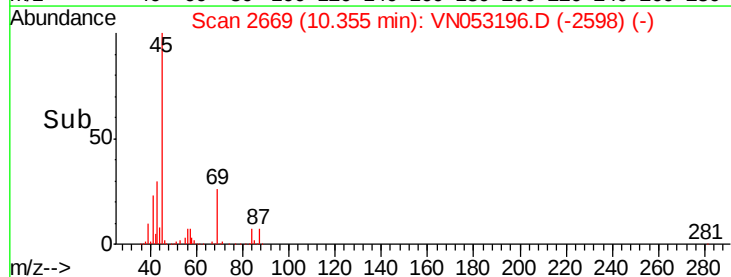
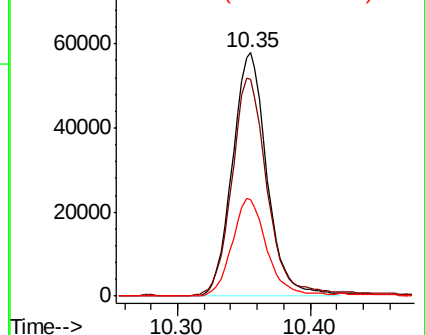
39 40.5 24.6 37.0#

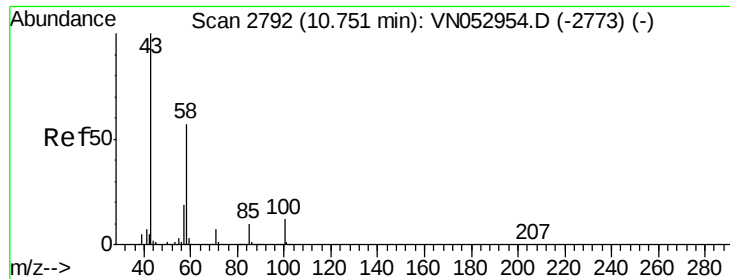


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

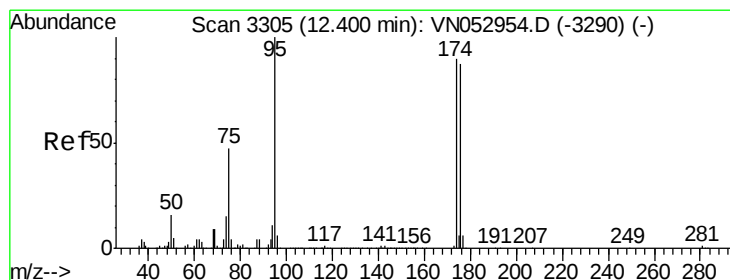
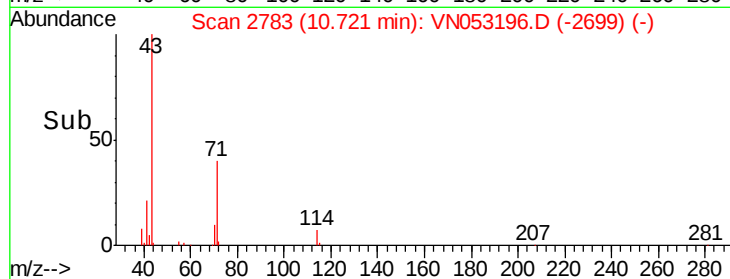
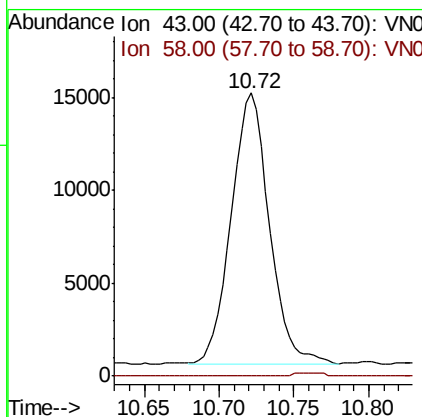
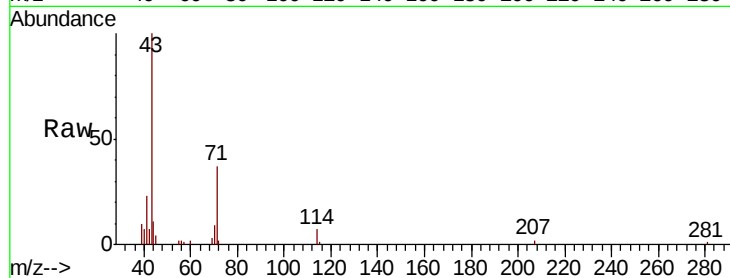




#59
2-Hexanone
Concen: 3.709 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

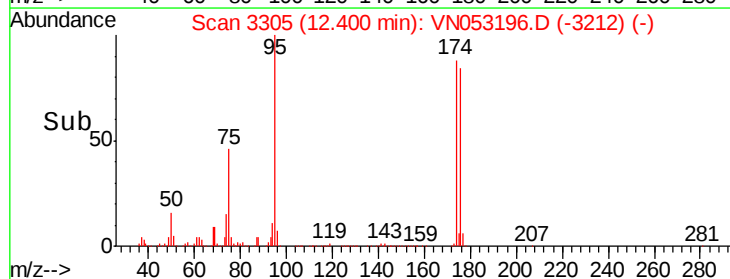
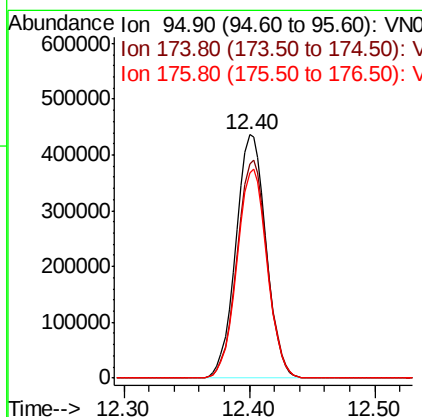
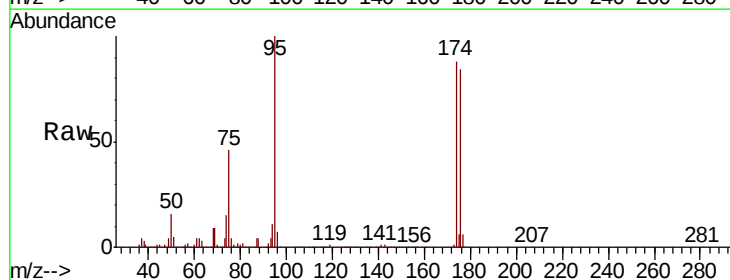
Instrument :
MSVOA_N
ClientSampleId :
23737

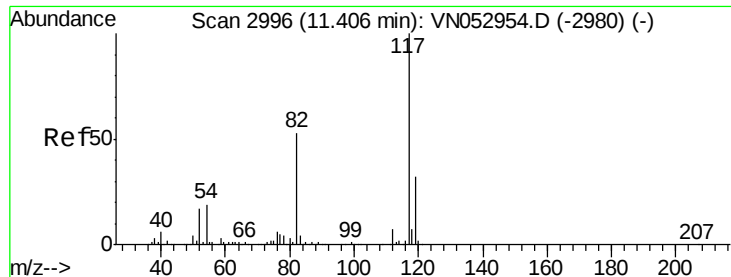
Tot Ion: 43 Resp: 25870
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Tgt Ion: 95 Resp: 730124
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.8
176 85.8 0.0 173.8

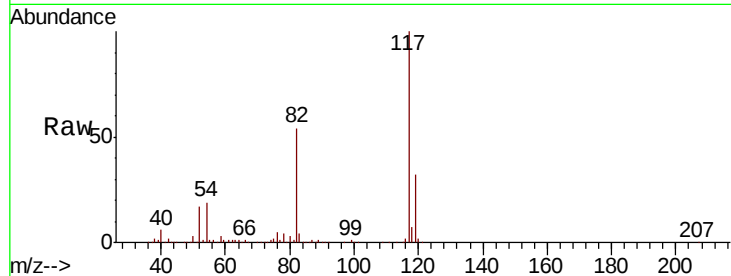




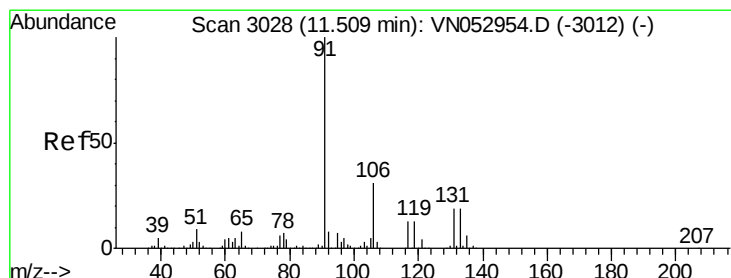
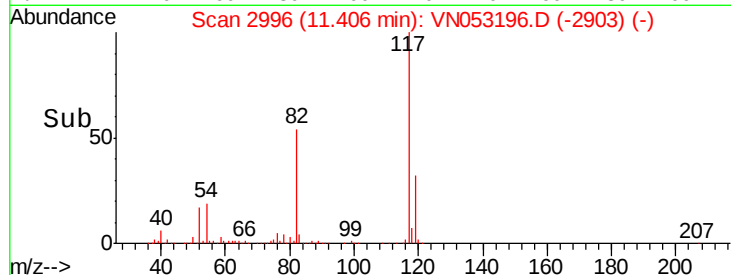
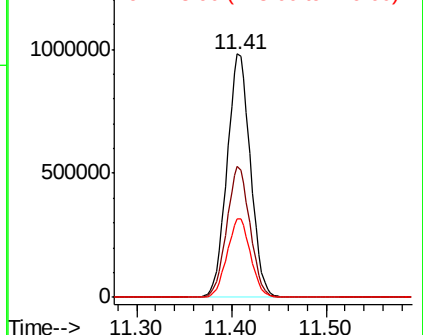
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Instrument :
MSVOA_N
ClientSampled :
23737

Tot Ion:117 Resp: 1679650
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.1 25.5 38.3

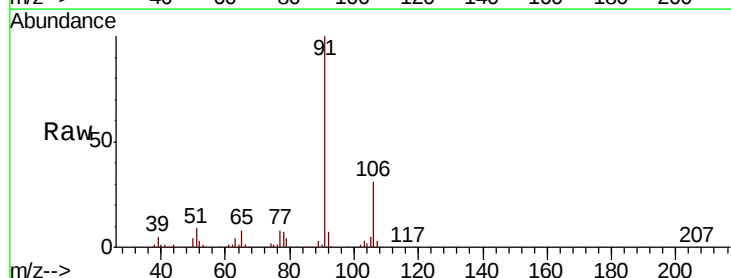


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

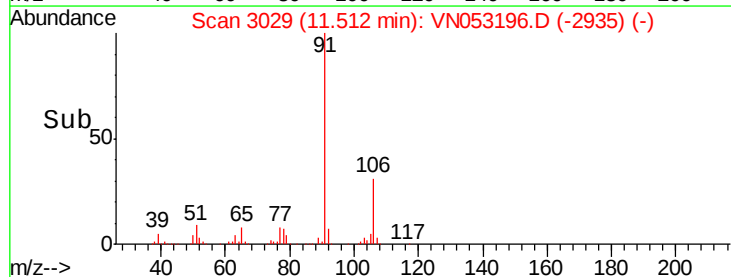
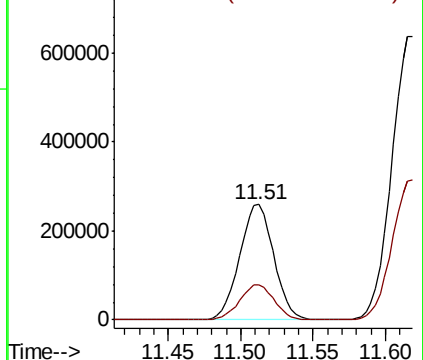


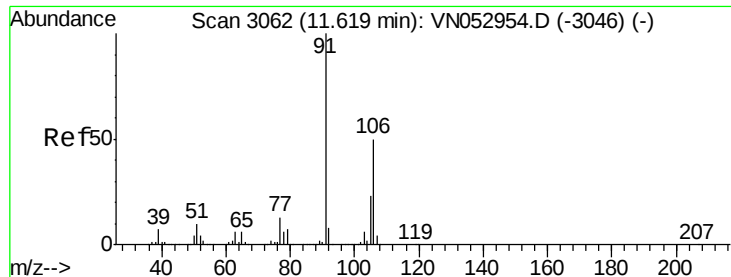
#67
Ethyl Benzene
Concen: 6.667 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Tgt Ion: 91 Resp: 426884
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

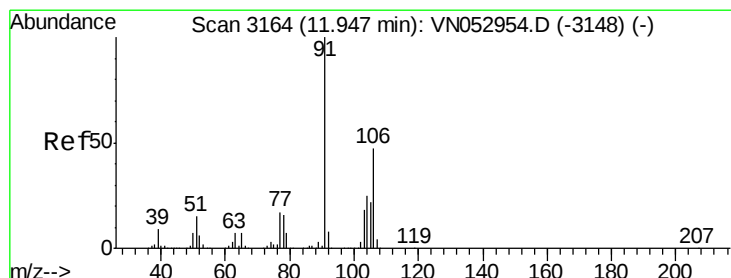
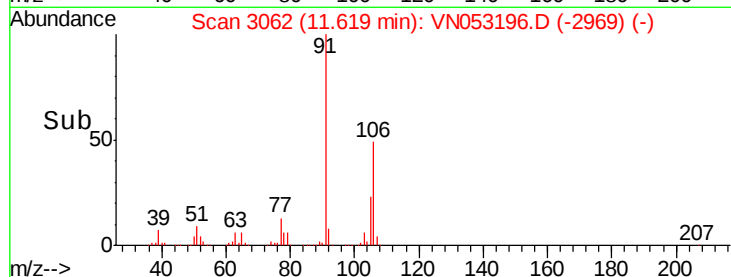
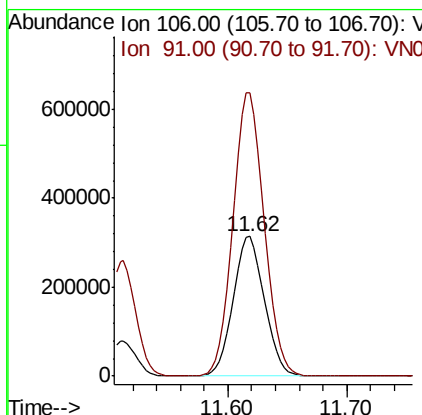
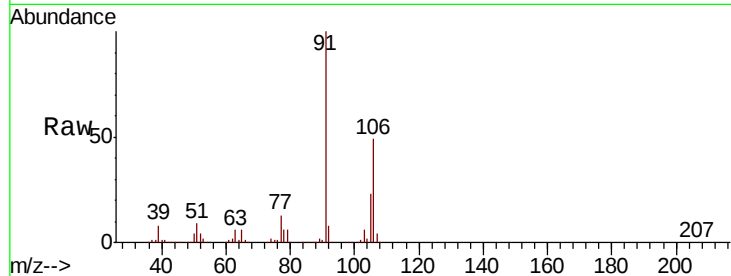




#68
m/p-Xylenes
Concen: 23.407 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

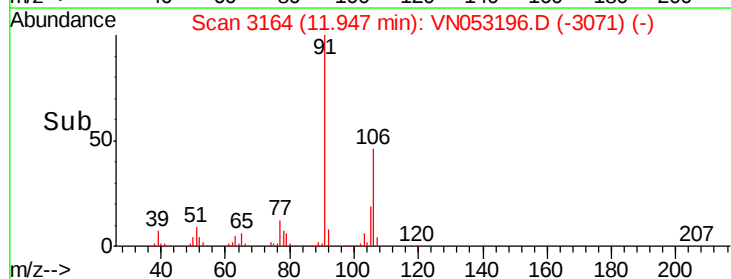
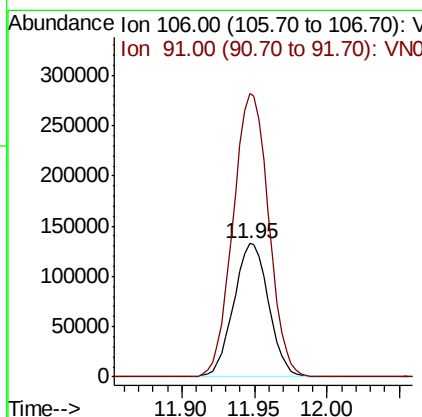
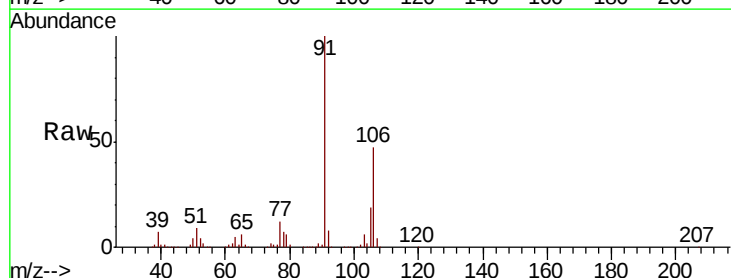
Instrument :
MSVOA_N
ClientSampled :
23737

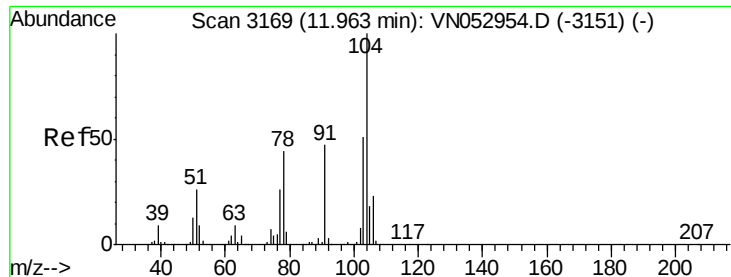
Tot Ion:106 Resp: 569780
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4



#69
o-Xylene
Concen: 9.510 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Tgt Ion:106 Resp: 222144
Ion Ratio Lower Upper
106 100
91 216.4 106.6 319.8

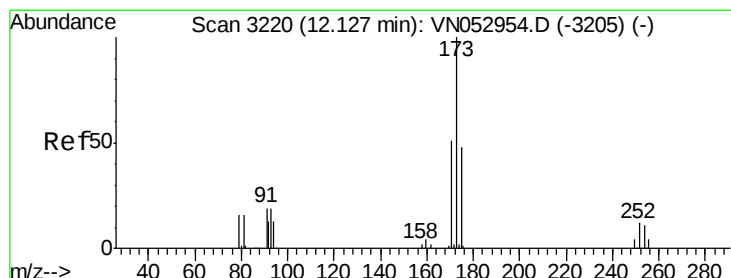
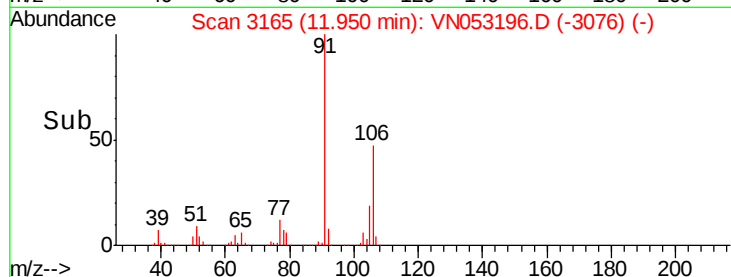
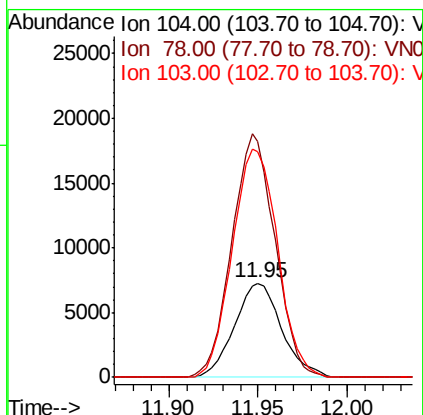
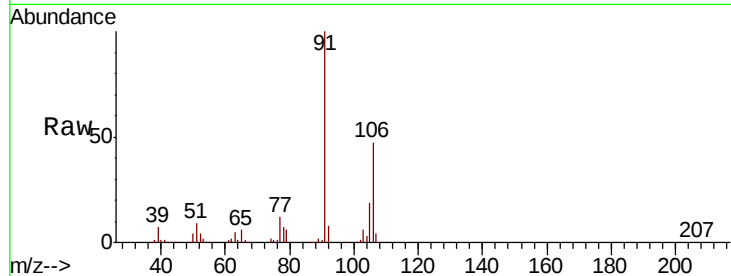




#70
Stvrene
Concen: 0.351 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

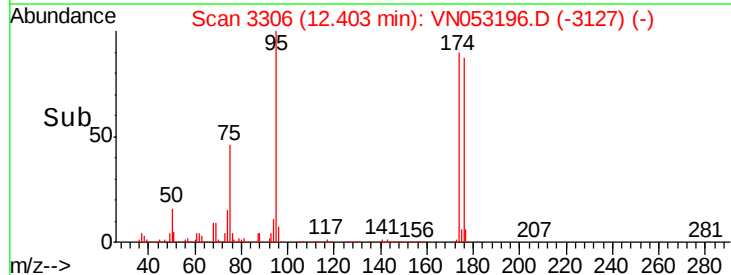
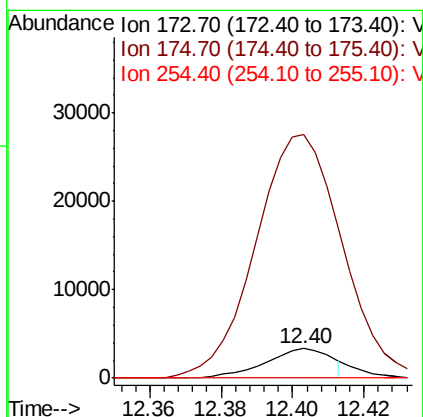
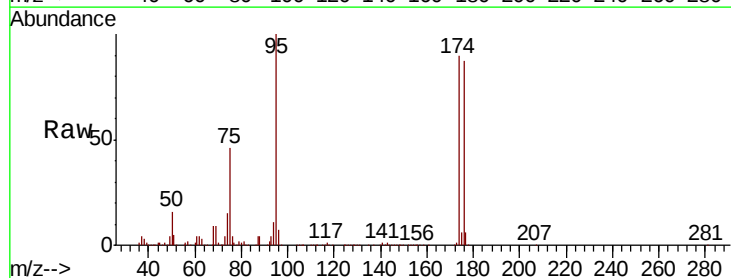
Instrument :
MSVOA_N
ClientSampled :
23737

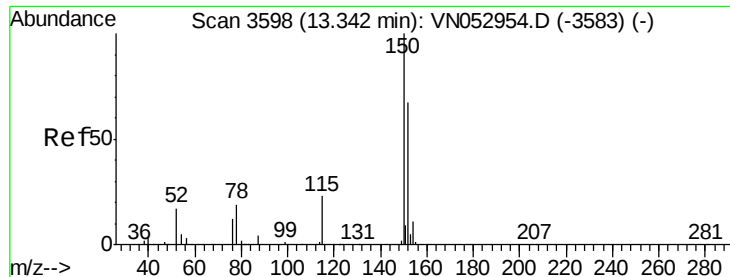
Tot Ion	Ratio	Lower	Upper
104	100		
78	236.6	38.9	58.3#
103	233.5	44.3	66.5#



#71
Bromoform
Concen: 0.452 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053196.D
Acq: 24 Dec 2018 20:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	951.2	24.3	72.9#
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

23737

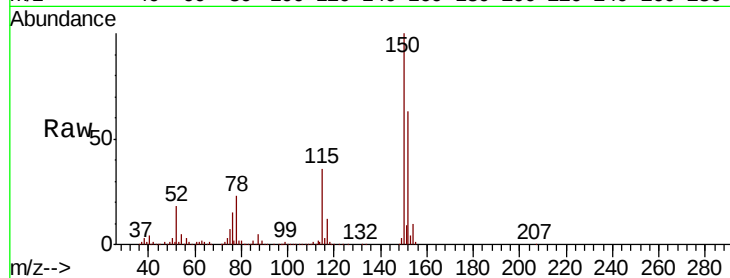
Tot Ion:152 Resp: 615173

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

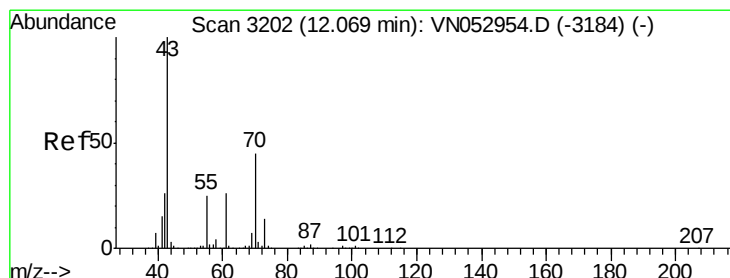
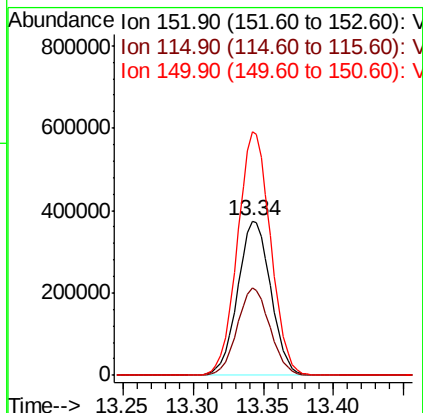
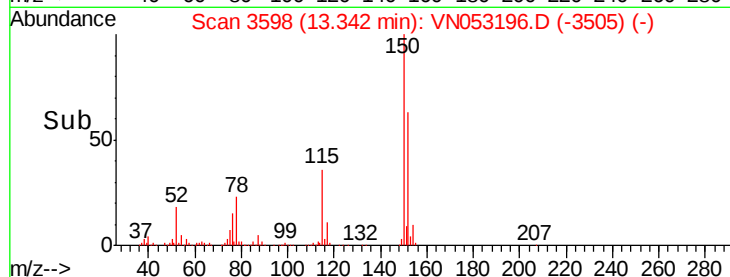
150 157.5 0.0 347.8



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



#74

N-ethyl acetate

Concen: 4.264 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Tgt Ion: 43 Resp: 56981

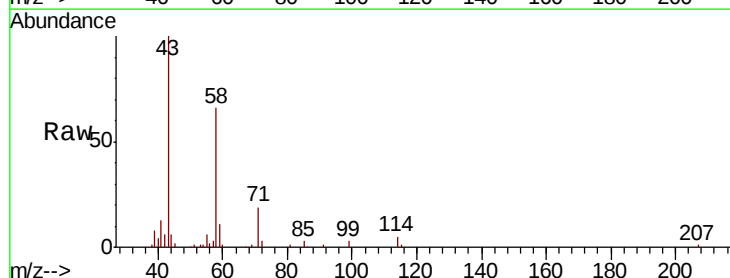
Ion Ratio Lower Upper

43 100

70 0.2 34.2 51.4#

55 6.0 20.3 30.5#

61 0.0 20.0 30.0#

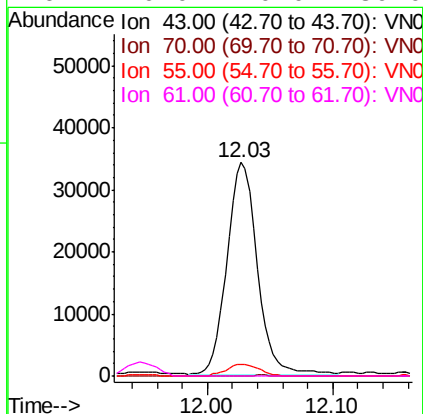
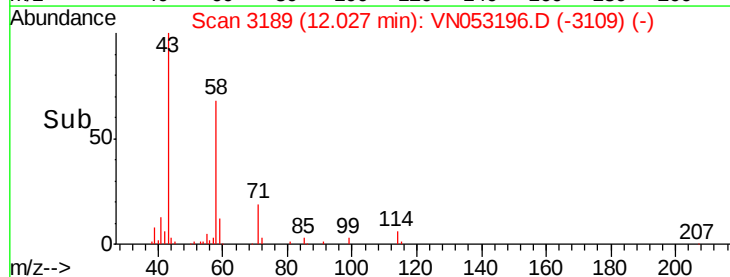


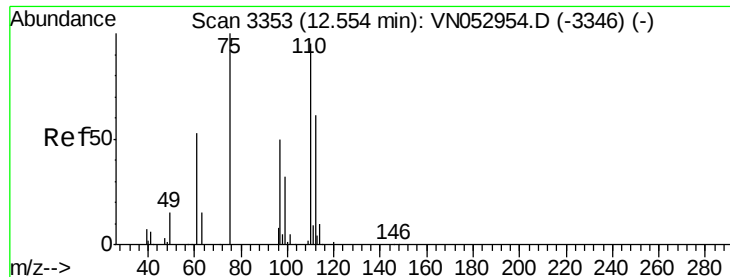
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 32.739 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

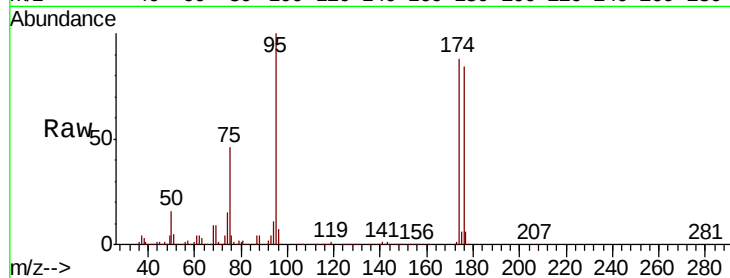
23737

Tot Ion: 75 Resp: 339043

Ion Ratio Lower Upper

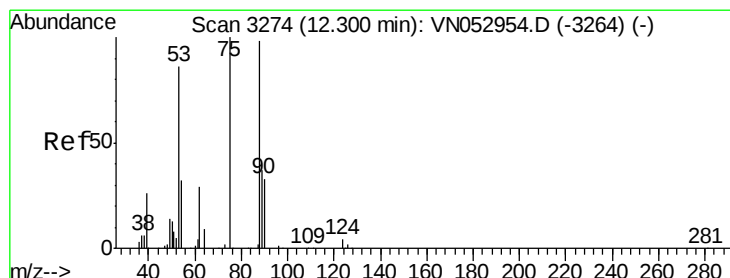
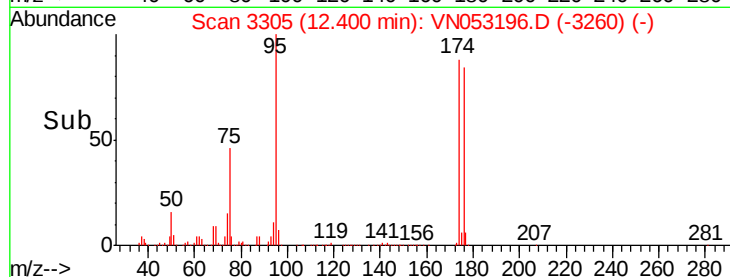
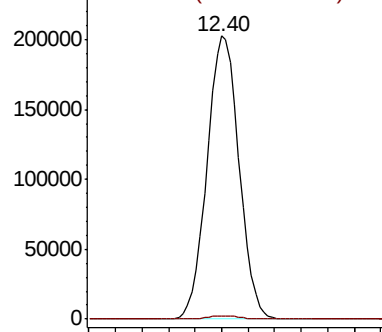
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 105.523 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

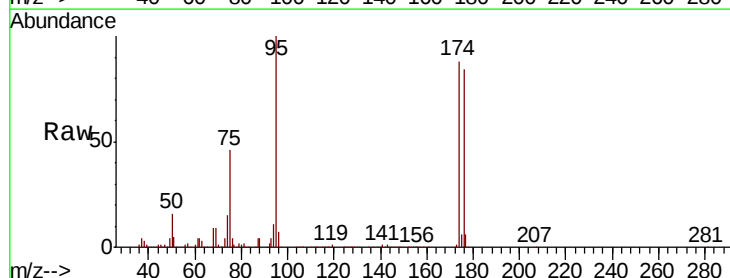
Tgt Ion: 75 Resp: 339043

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

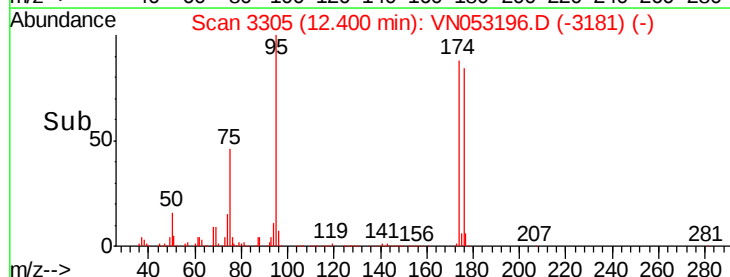
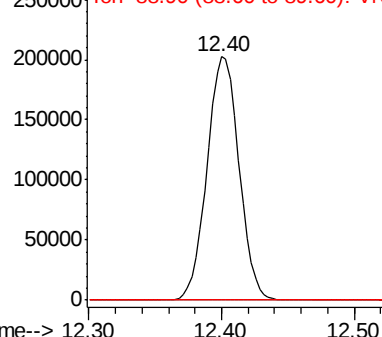
89 0.0 36.1 54.1#

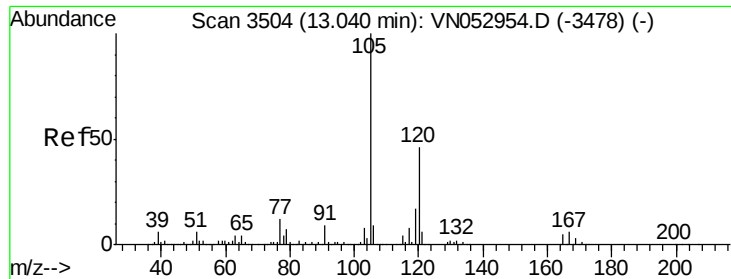


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.460 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

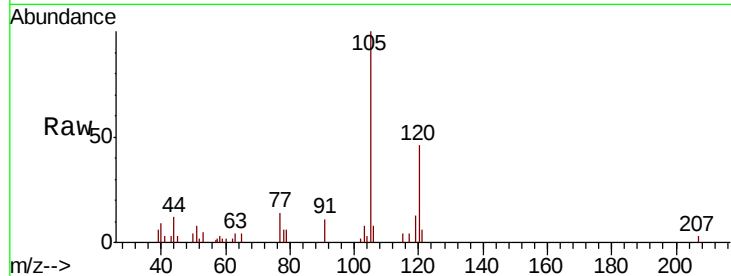
23737

Tot Ion:105 Resp: 18150

Ion Ratio Lower Upper

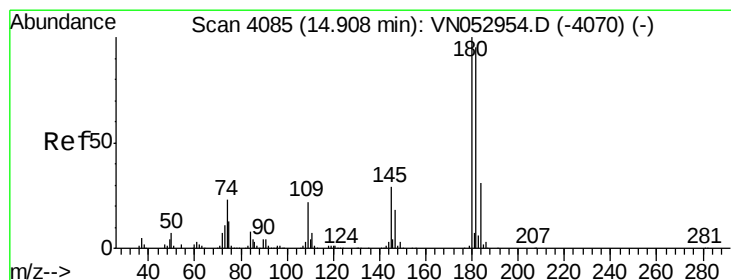
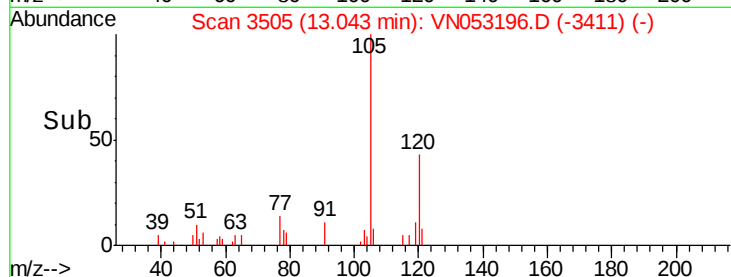
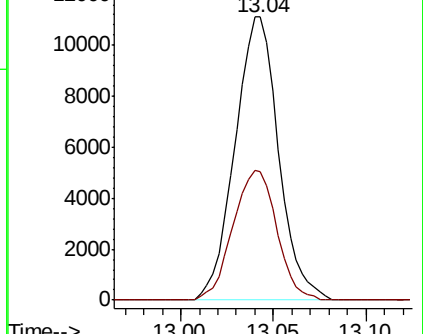
105 100

120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#93

1,2,4-Trichlorobenzene

Concen: 0.613 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

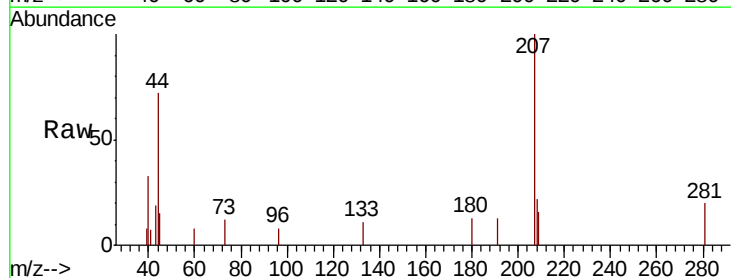
Tgt Ion:180 Resp: 189

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

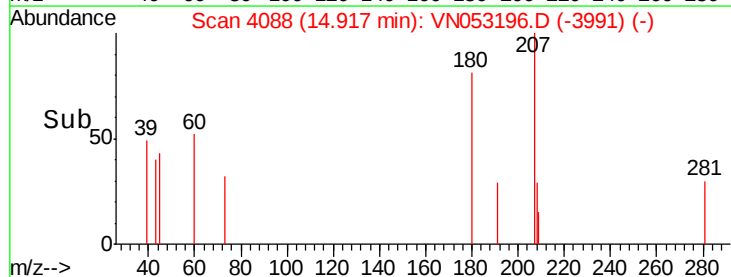
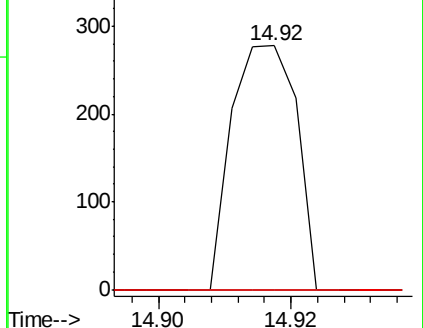
145 0.0 14.2 42.6#

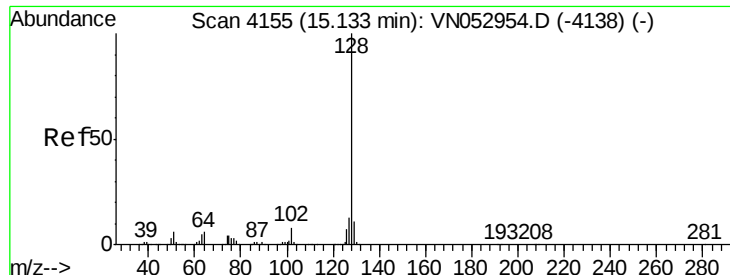


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.639 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053196.D

Acq: 24 Dec 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

23737

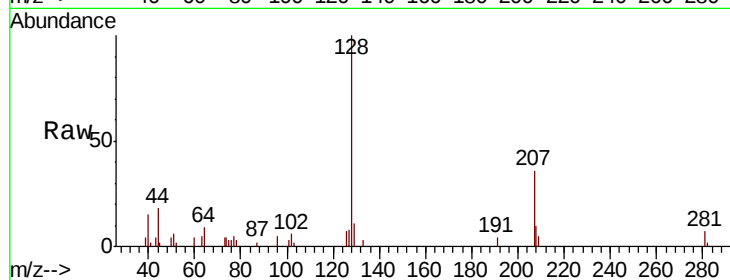
Tot Ion:128 Resp: 12192

Ion Ratio Lower Upper

128 100

127 5.9 10.2 15.4#

129 9.7 8.6 13.0



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

