

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052530.D
 Acq On : 28 Nov 2018 19:55
 Operator : MD\SY
 Sample : J6044-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 30002

Quant Time: Nov 29 12:22:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1406289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2122107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1816735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	752656	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	709855	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	7.59	113	645226	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.09	98	2549079	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	825164	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

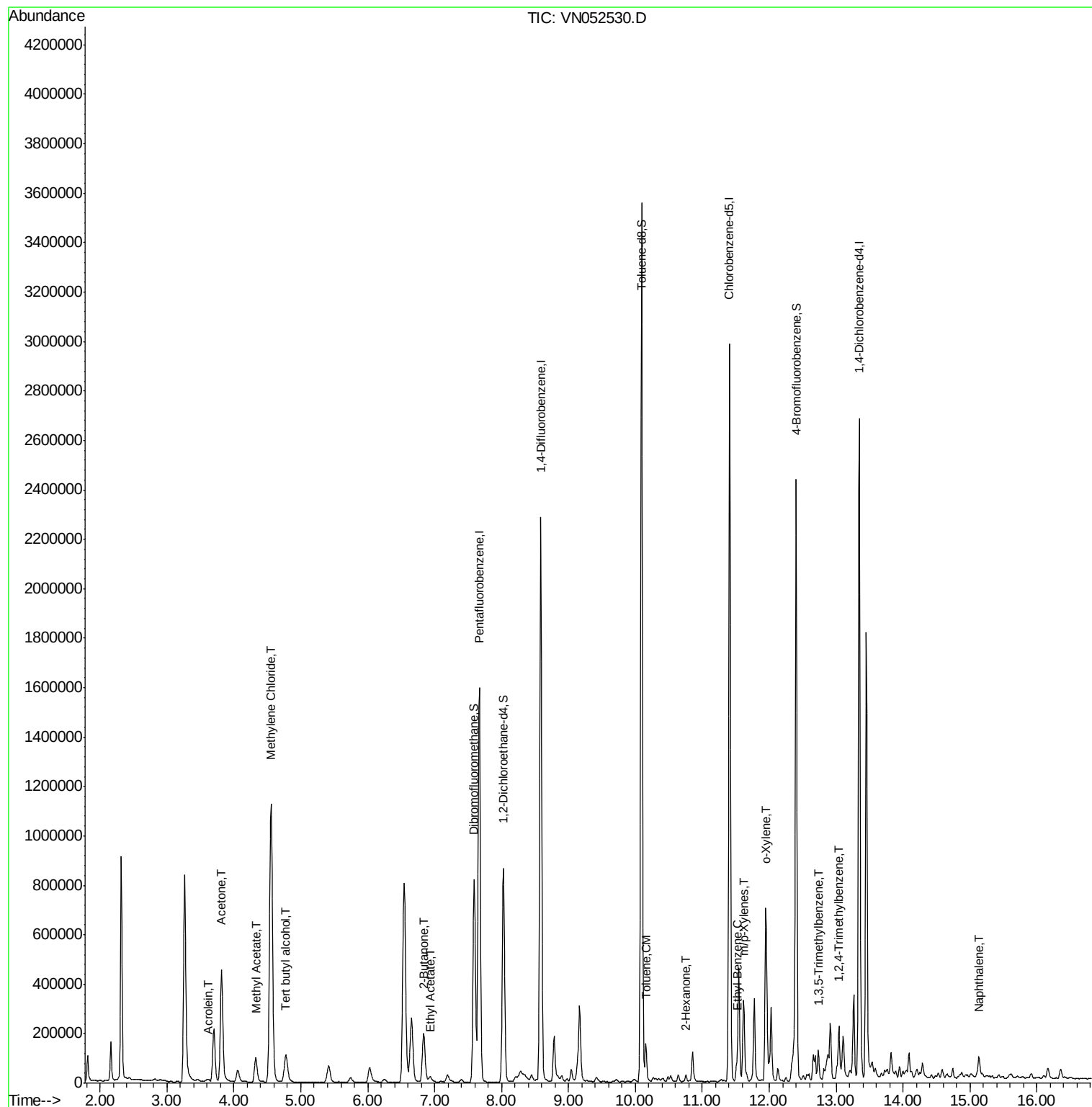
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	207863	271.164	ug/l	99
13) Acrolein	3.62	56	13366	42.084	ug/l	84
16) Acetone	3.82	43	783002	193.876	ug/l	99
18) Methyl Acetate	4.33	43	199033	17.181	ug/l	99
20) Methylene Chloride	4.55	84	886202	56.073	ug/l	98
25) 2-Butanone	6.84	43	363913	63.572	ug/l	97
37) Ethyl Acetate	6.93	43	37171	3.039	ug/l #	94
52) Toluene	10.16	92	65796	1.854	ug/l	99
59) 2-Hexanone	10.75	43	21459	2.753	ug/l	91
67) Ethyl Benzene	11.51	91	47409	0.723	ug/l	99
68) m/p-Xylenes	11.62	106	105390	4.315	ug/l	96
69) o-Xylene	11.95	106	55170	2.326	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	52824	1.122	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	128159	2.715	ug/l	98
95) Naphthalene	15.13	128	66100	5.601	ug/l	96

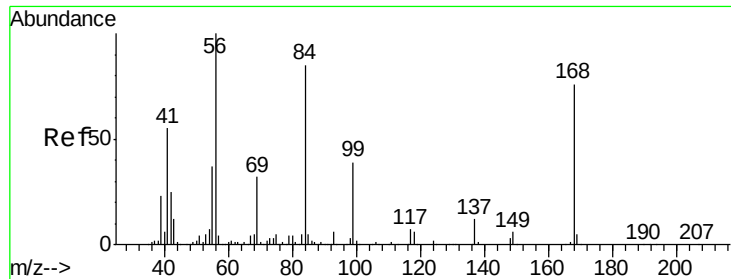
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

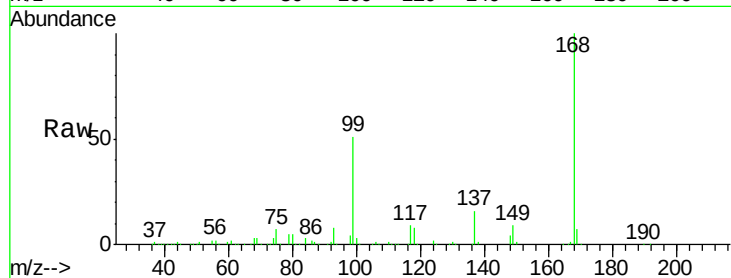
30002

Tot Ion:168 Resp: 1406289

Ion Ratio Lower Upper

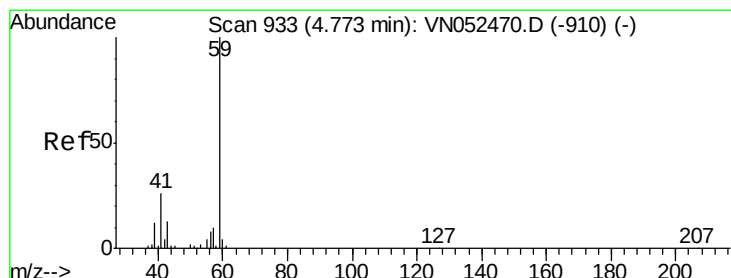
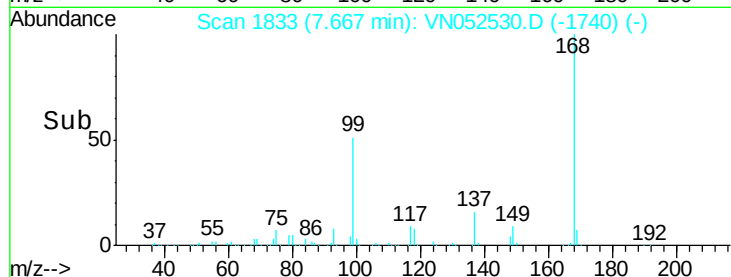
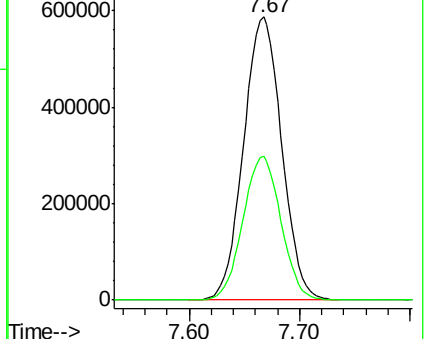
168 100

99 50.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 271.164 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN052530.D

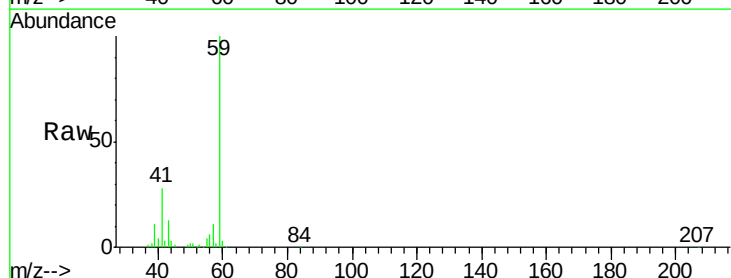
Acq: 28 Nov 2018 19:55

Tgt Ion: 59 Resp: 207863

Ion Ratio Lower Upper

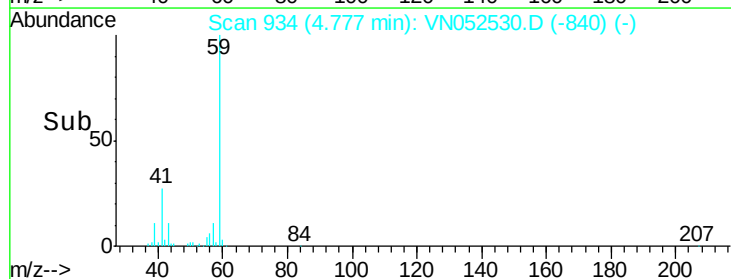
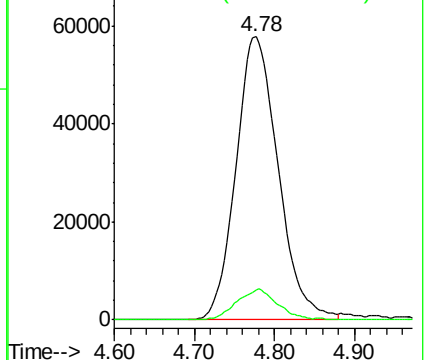
59 100

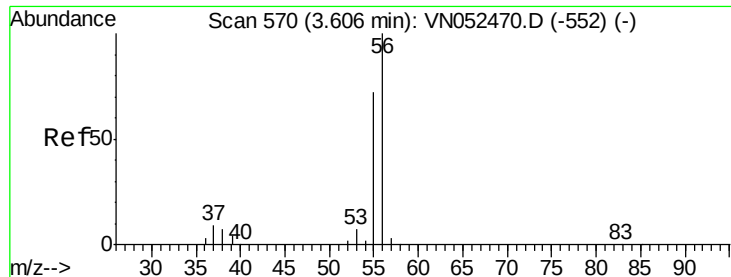
57 10.4 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 42.084 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampled :

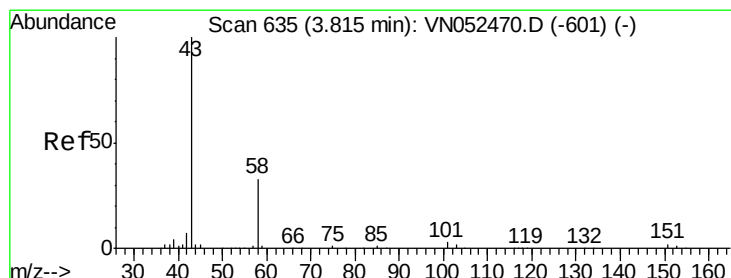
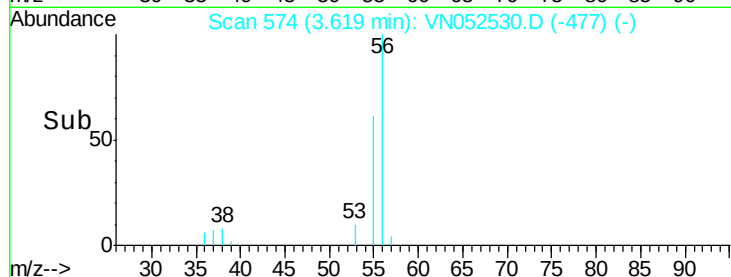
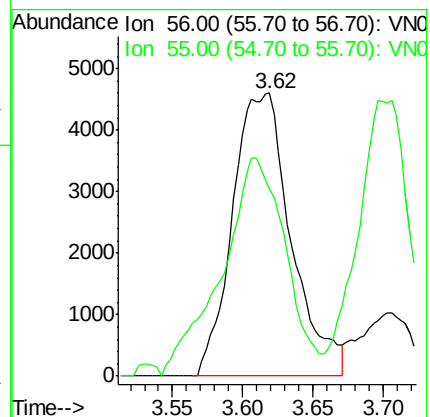
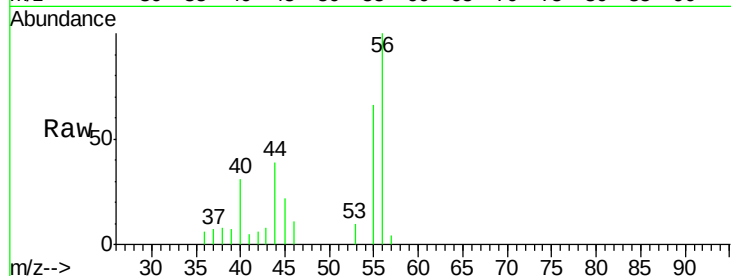
30002

Tot Ion: 56 Resp: 13366

Ion Ratio Lower Upper

56 100

55 84.5 56.8 85.2



#16

Acetone

Concen: 193.876 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052530.D

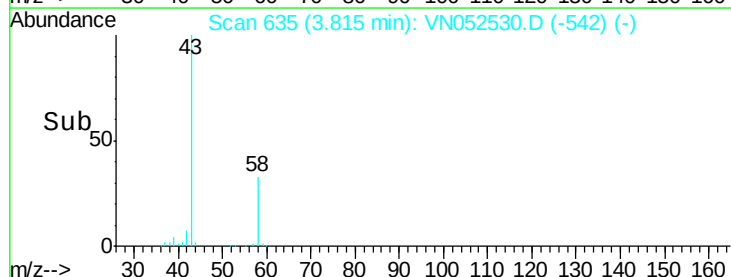
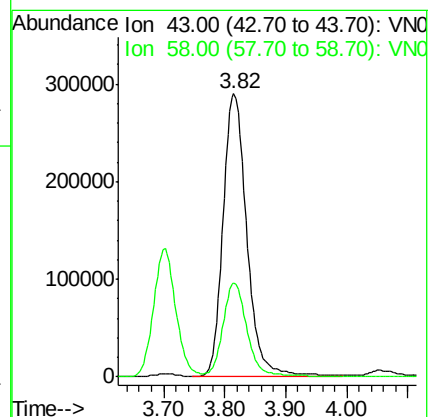
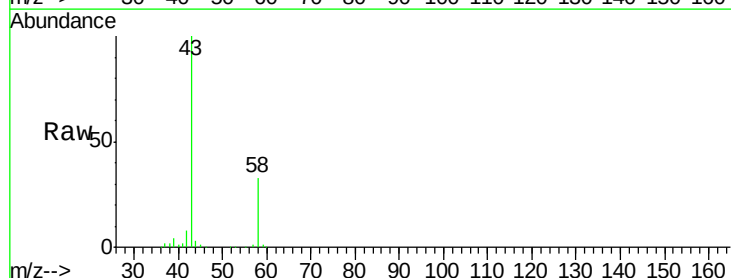
Acq: 28 Nov 2018 19:55

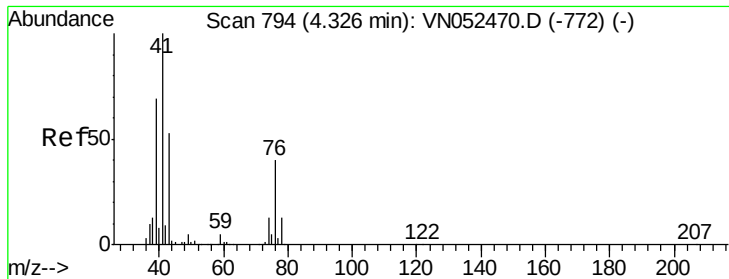
Tgt Ion: 43 Resp: 783002

Ion Ratio Lower Upper

43 100

58 33.0 26.0 39.0

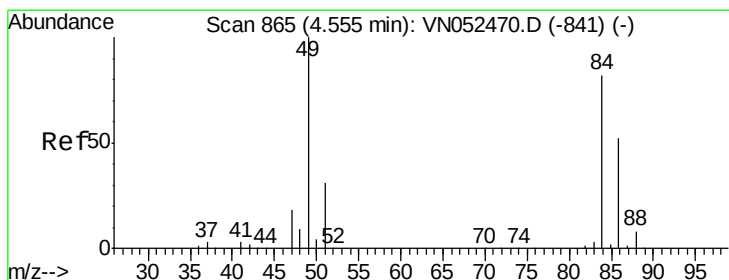
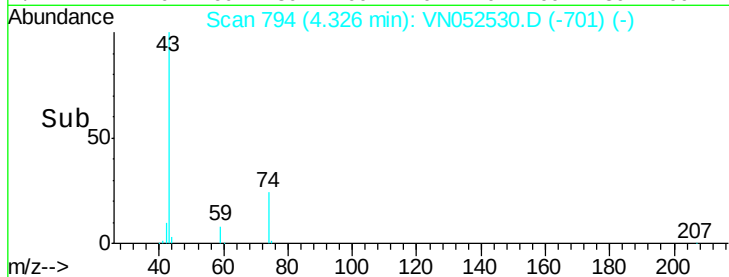
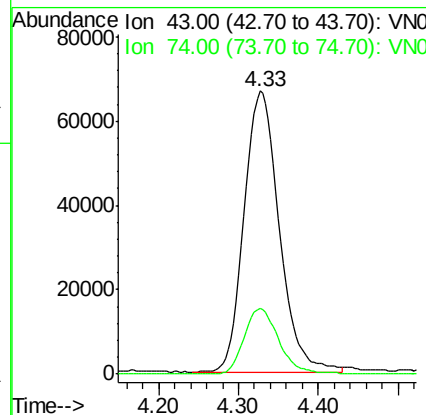
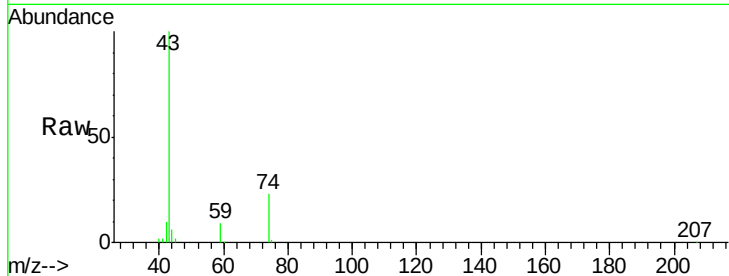




#18
Methvl Acetate
Concen: 17.181 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052530.D
Acq: 28 Nov 2018 19:55

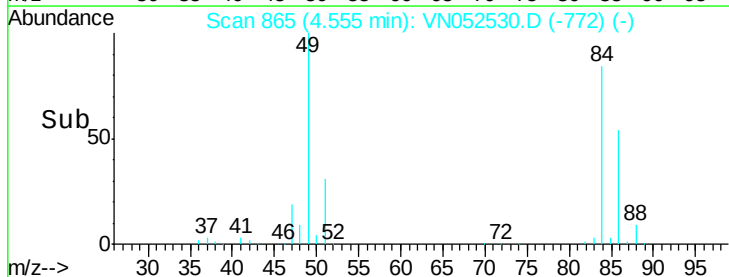
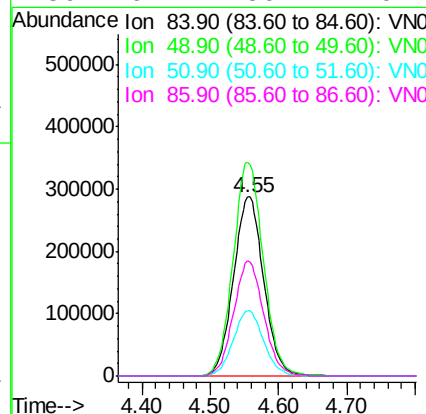
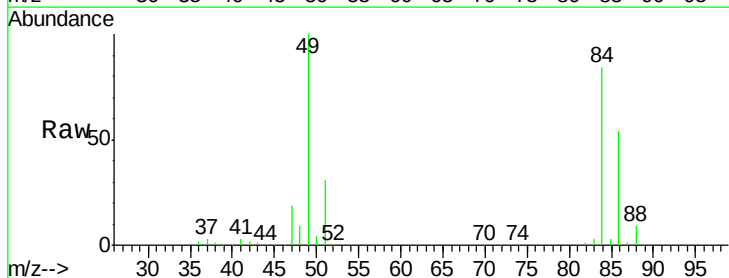
Instrument :
MSVOA_N
ClientSampleId :
30002

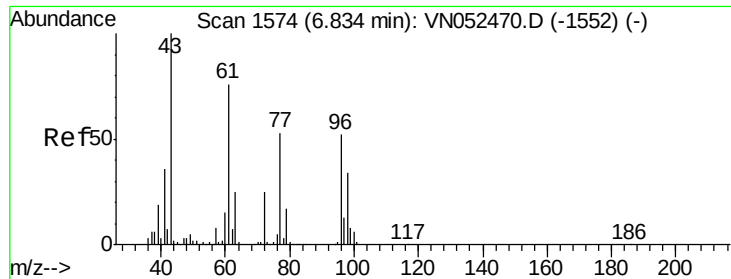
Tot Ion: 43 Resp: 199033
Ion Ratio Lower Upper
43 100
74 22.8 18.6 27.8



#20
Methylene Chloride
Concen: 56.073 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052530.D
Acq: 28 Nov 2018 19:55

Tgt Ion: 84 Resp: 886202
Ion Ratio Lower Upper
84 100
49 119.4 98.0 147.0
51 36.8 30.1 45.1
86 64.2 50.7 76.1





#25

2-Butanone

Concen: 63.572 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampled :

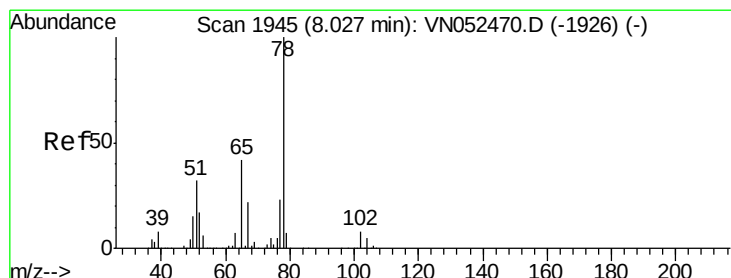
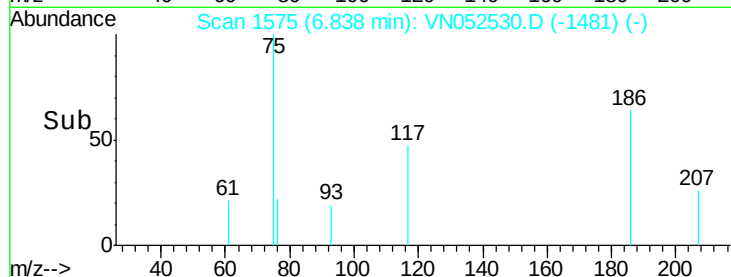
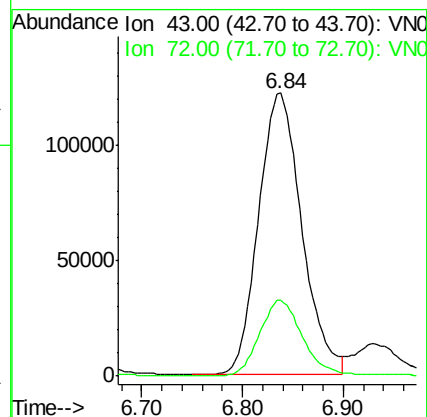
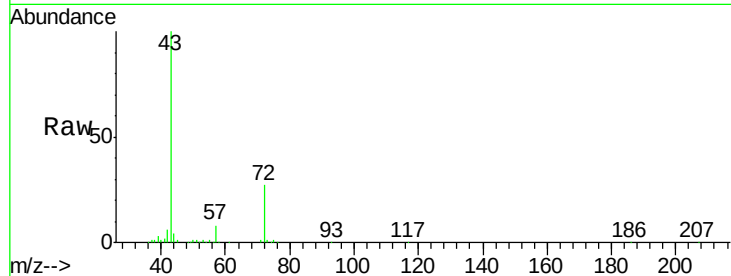
30002

Tot Ion: 43 Resp: 363913

Ion Ratio Lower Upper

43 100

72 26.6 20.1 30.1



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052530.D

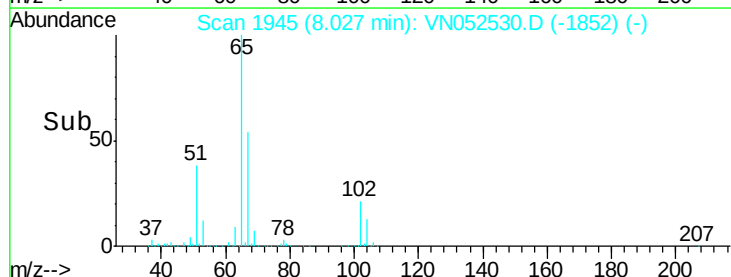
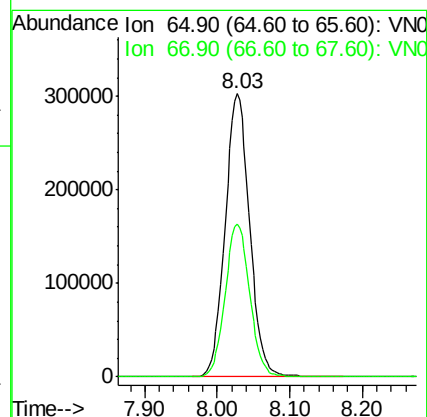
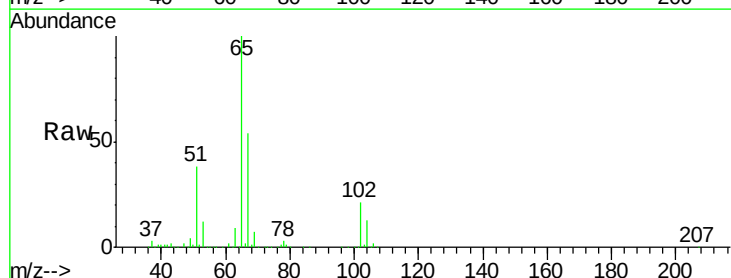
Acq: 28 Nov 2018 19:55

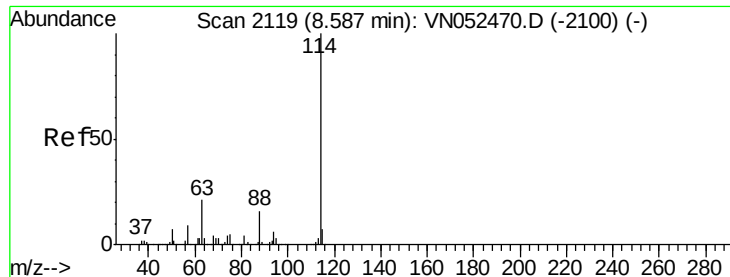
Tgt Ion: 65 Resp: 709855

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

30002

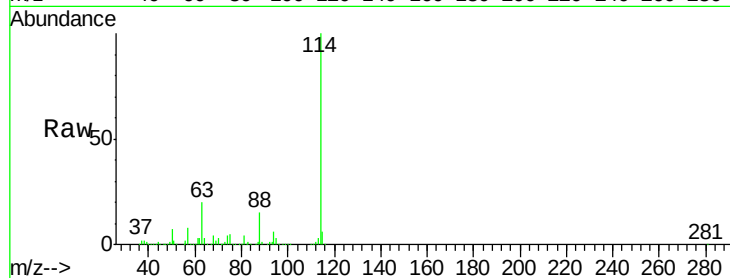
Tot Ion:114 Resp: 2122107

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.8

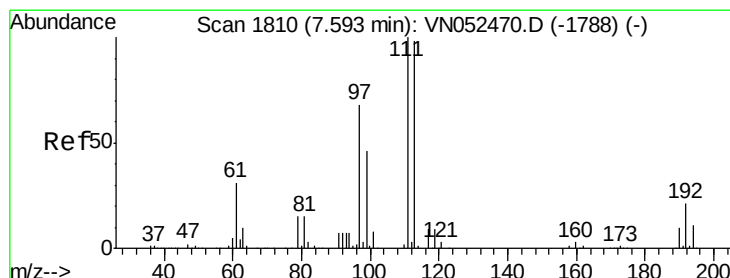
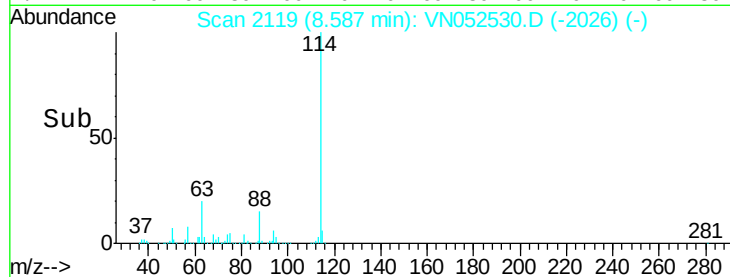
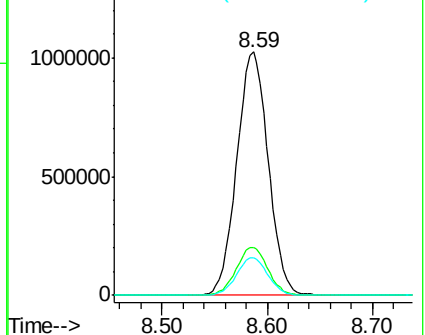
88 15.4 0.0 31.6



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: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

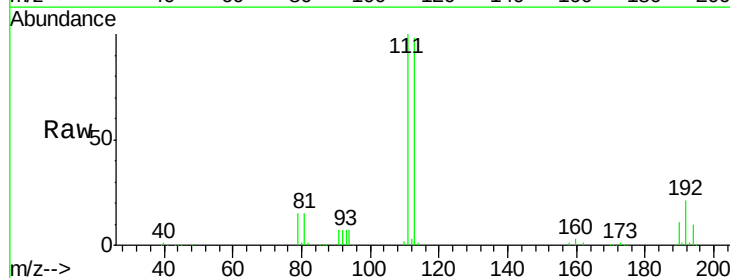
Tgt Ion:113 Resp: 645226

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

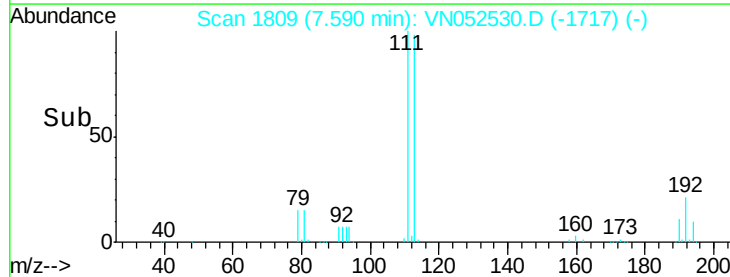
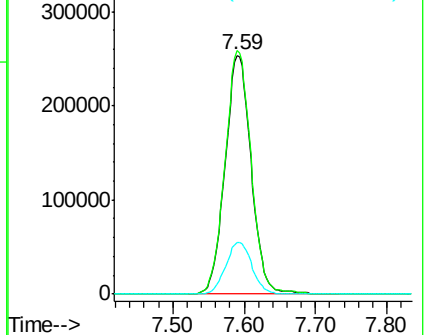
192 21.9 17.0 25.6

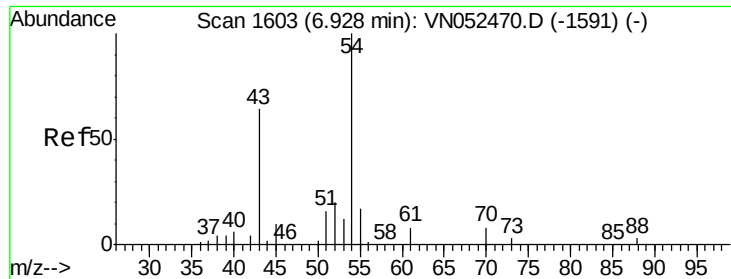


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

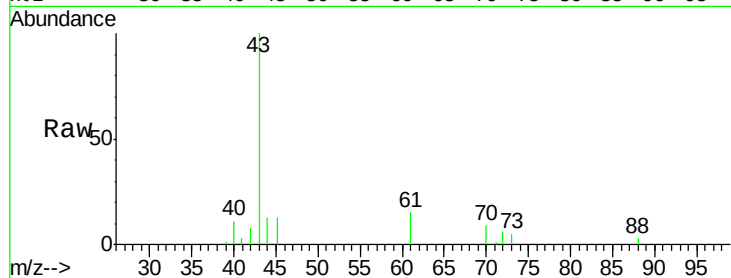




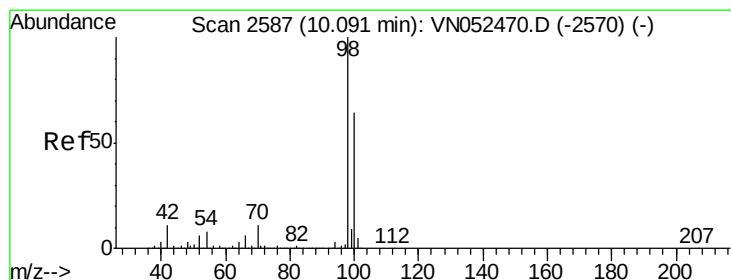
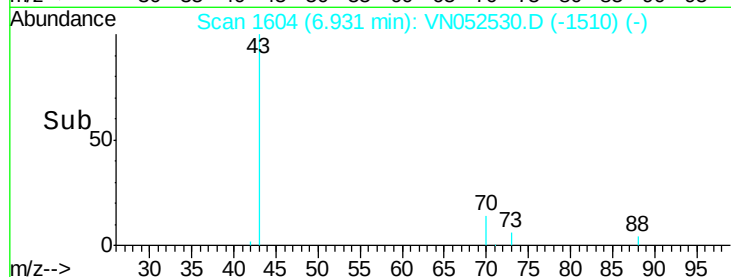
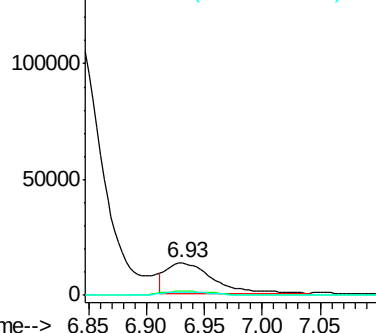
#37
Ethyl Acetate
Concen: 3.039 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052530.D
Acq: 28 Nov 2018 19:55

Instrument :
MSVOA_N
ClientSampled :
30002

Tot Ion: 43 Resp: 37171
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.8
70 5.9 7.8 11.8#

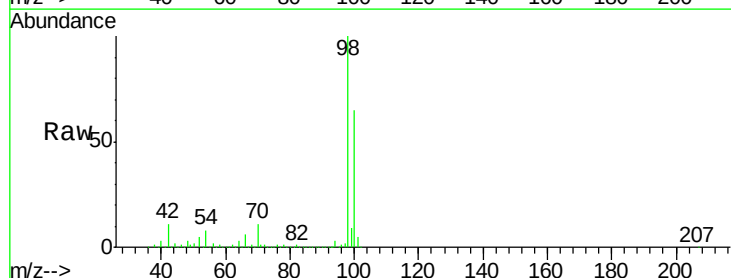


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

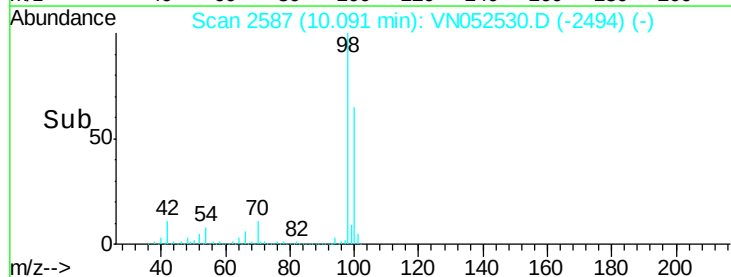
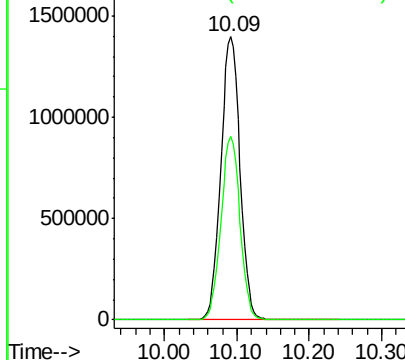


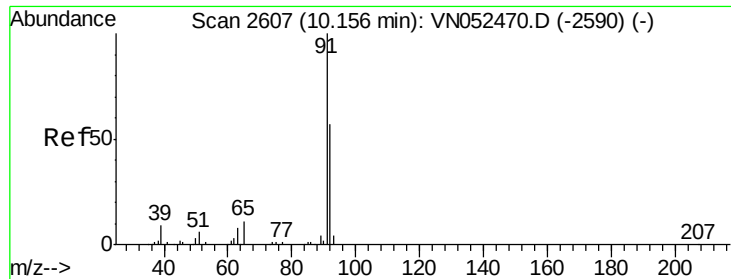
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052530.D
Acq: 28 Nov 2018 19:55

Tgt Ion: 98 Resp: 2549079
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 1.854 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampled :

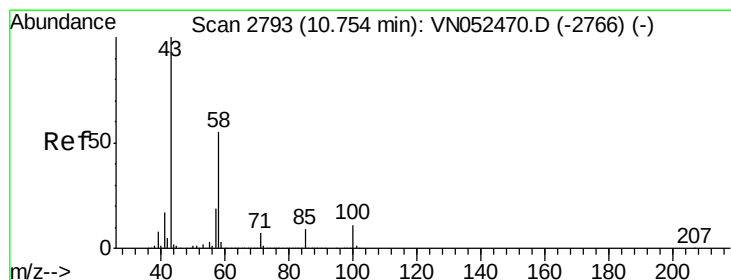
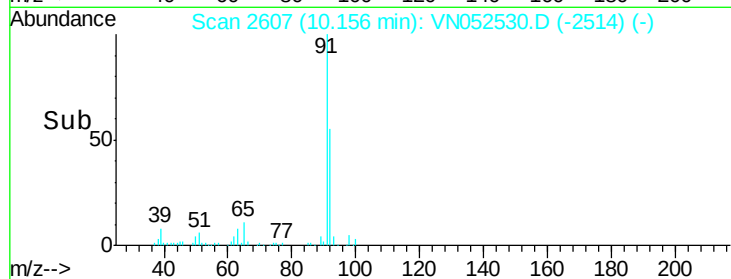
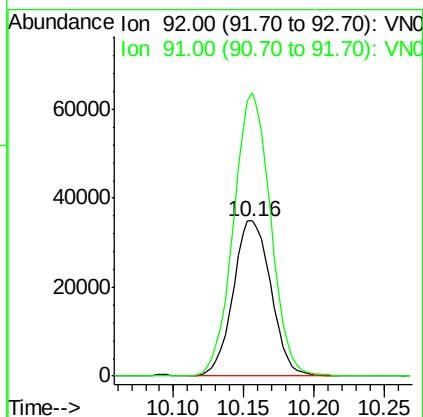
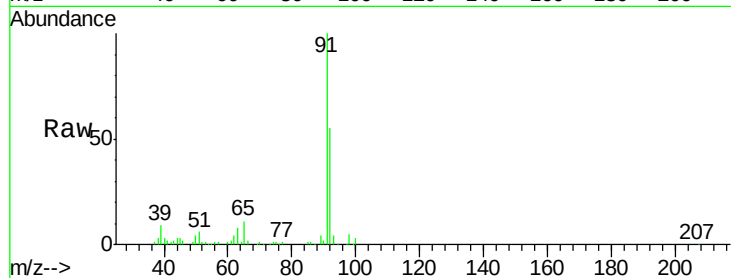
30002

Tot Ion: 92 Resp: 65796

Ion Ratio Lower Upper

92 100

91 178.3 141.0 211.4



#59

2-Hexanone

Concen: 2.753 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052530.D

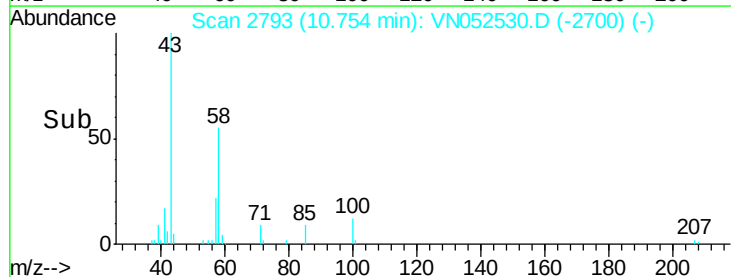
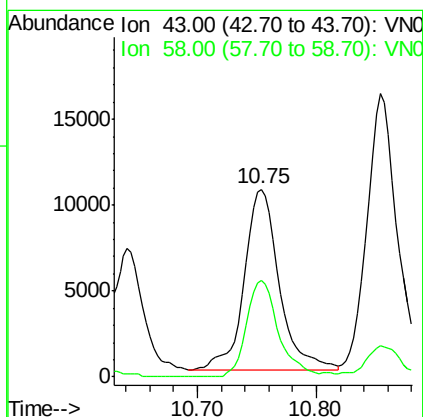
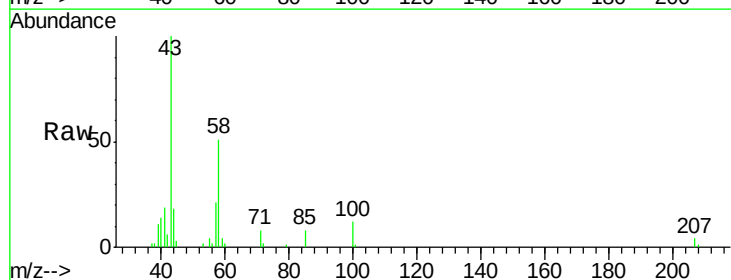
Acq: 28 Nov 2018 19:55

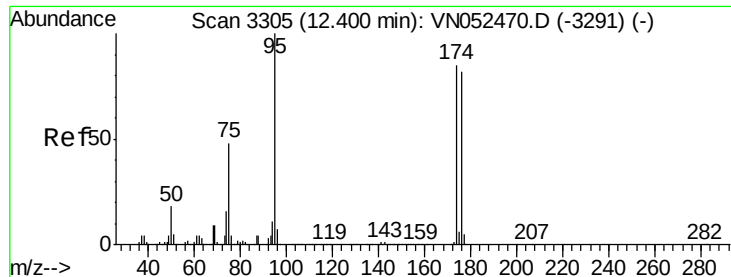
Tgt Ion: 43 Resp: 21459

Ion Ratio Lower Upper

43 100

58 48.5 27.4 82.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

30002

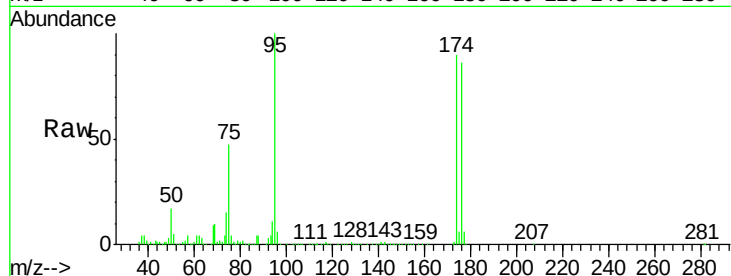
Tot Ion: 95 Resp: 825164

Ion Ratio Lower Upper

95 100

174 88.2 0.0 173.0

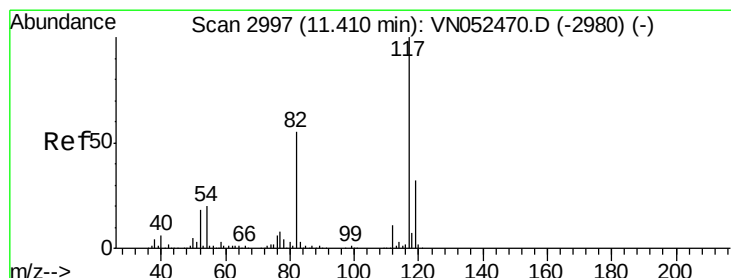
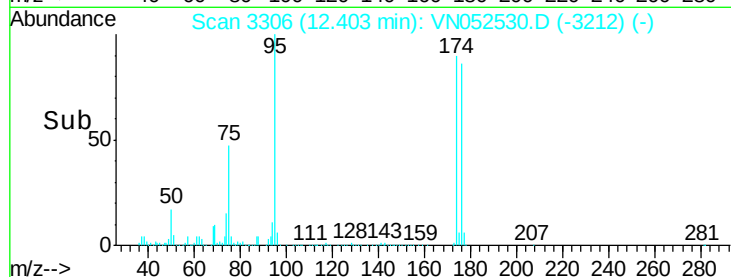
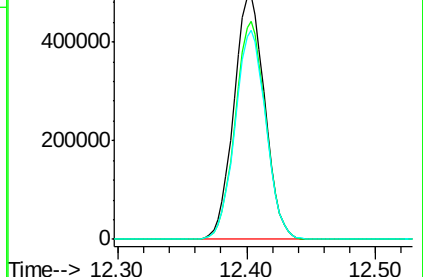
176 85.3 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

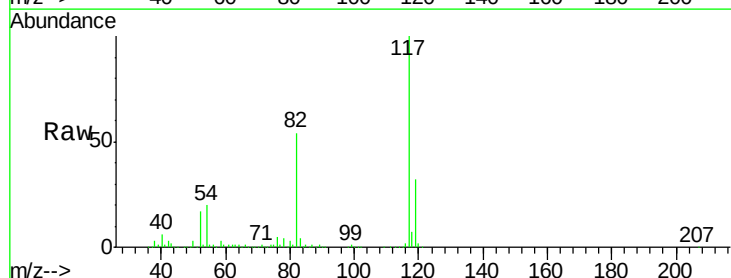
Tgt Ion: 117 Resp: 1816735

Ion Ratio Lower Upper

117 100

82 54.1 43.6 65.4

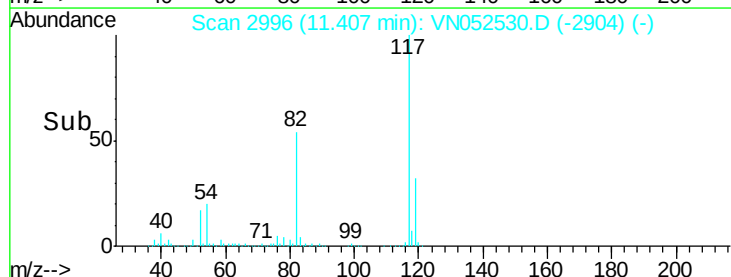
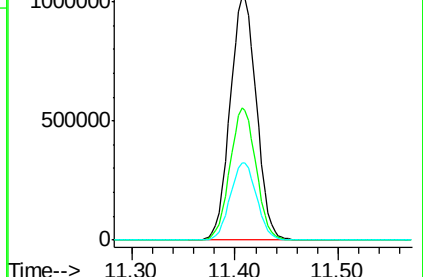
119 31.7 25.4 38.2

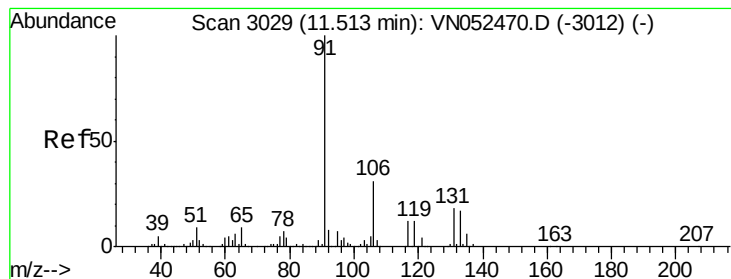


Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052470.D (-2980) (-)





#67

Ethyl Benzene

Concen: 0.723 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampled :

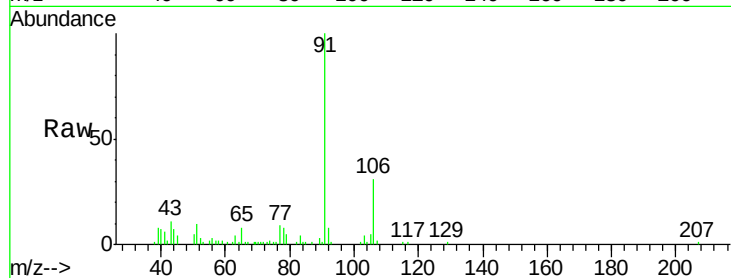
30002

Tot Ion: 91 Resp: 47409

Ion Ratio Lower Upper

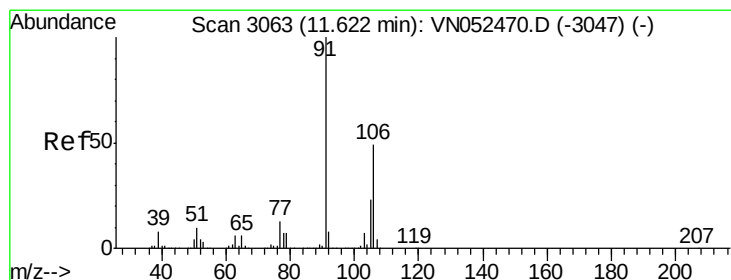
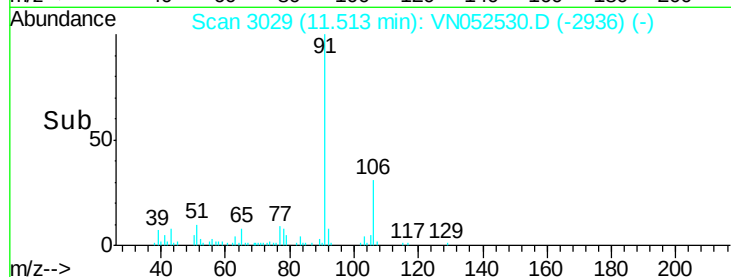
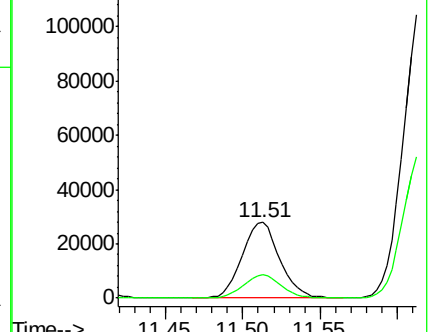
91 100

106 30.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052470.D (-3012) (-)



#68

m/p-Xylenes

Concen: 4.315 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052530.D

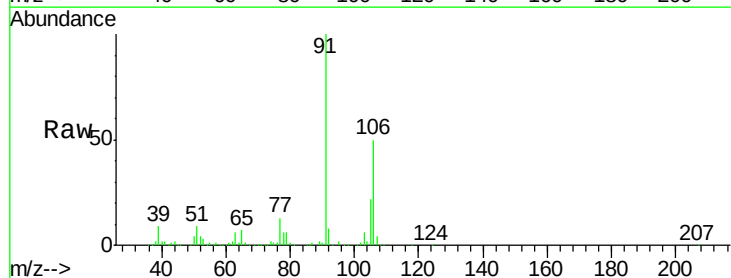
Acq: 28 Nov 2018 19:55

Tgt Ion: 106 Resp: 105390

Ion Ratio Lower Upper

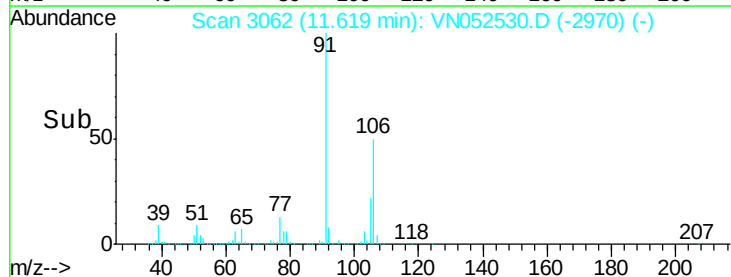
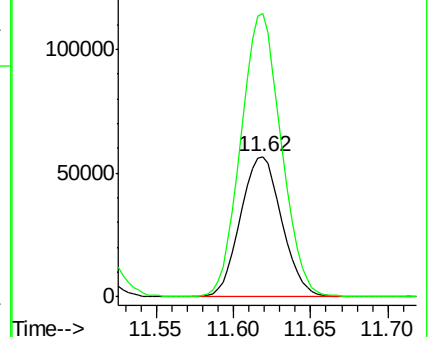
106 100

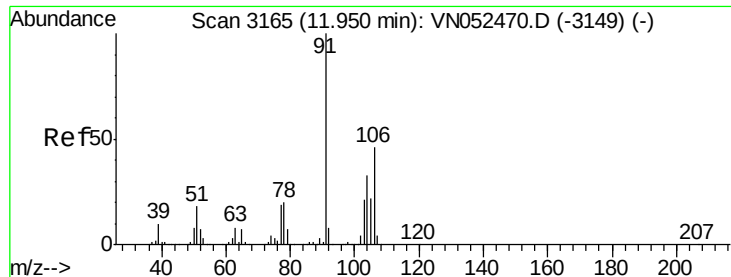
91 197.8 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052470.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-3047) (-)

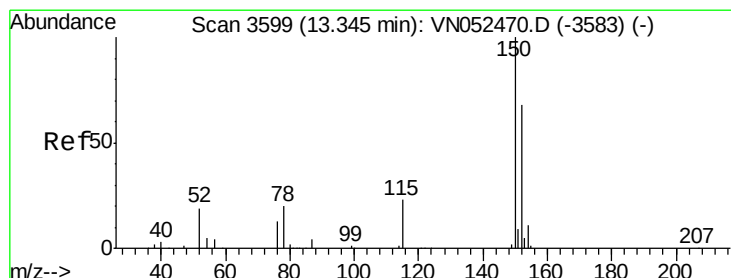
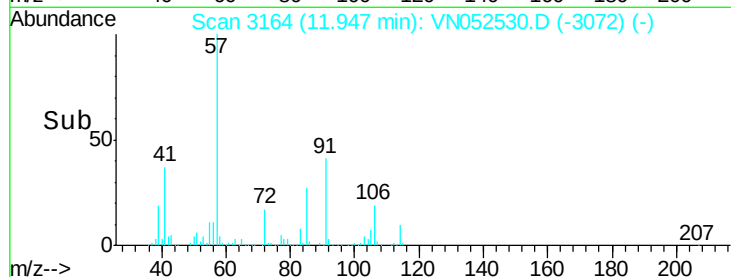
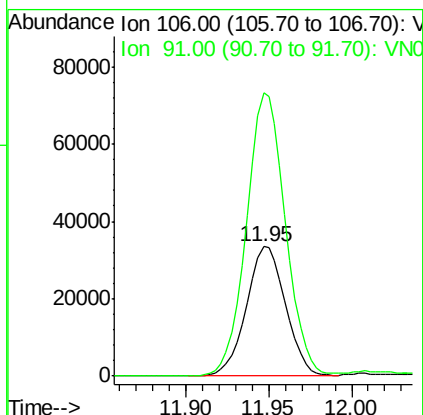
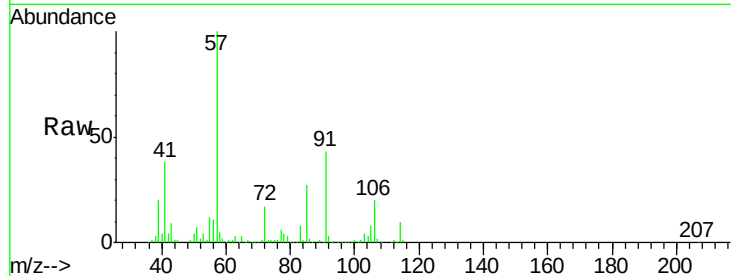




#69
o-Xylene
Concen: 2.326 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052530.D
Acq: 28 Nov 2018 19:55

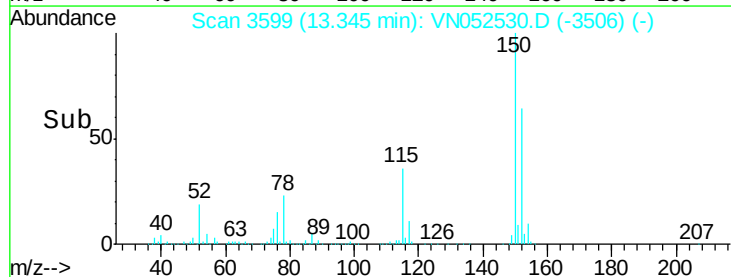
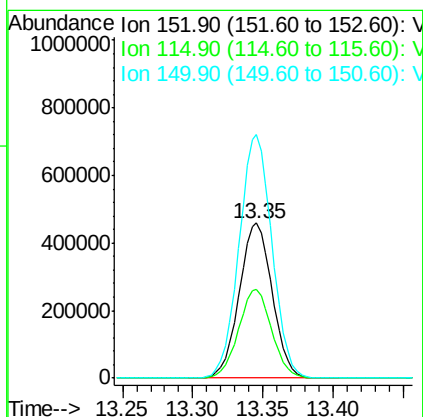
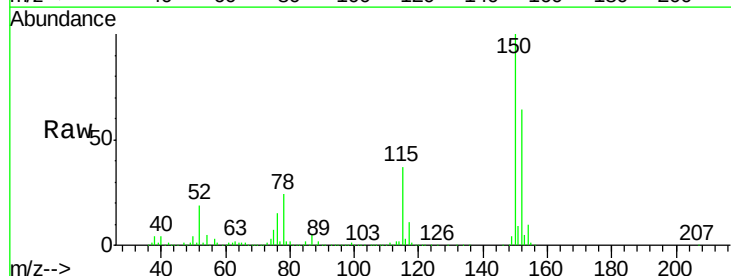
Instrument :
MSVOA_N
ClientSampled :
30002

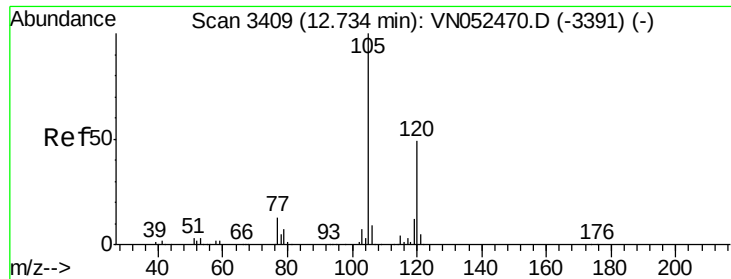
Tot Ion:106 Resp: 55170
Ion Ratio Lower Upper
106 100
91 217.5 107.7 323.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052530.D
Acq: 28 Nov 2018 19:55

Tgt Ion:152 Resp: 752656
Ion Ratio Lower Upper
152 100
115 57.2 28.4 85.2
150 156.4 0.0 346.0

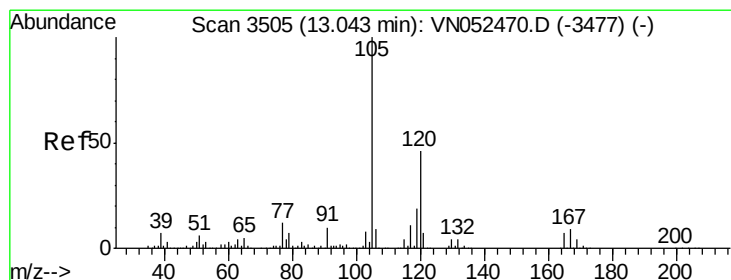
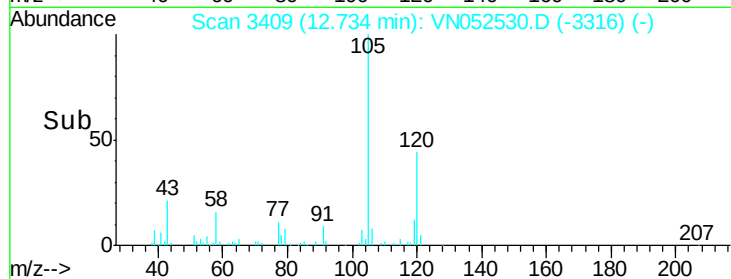
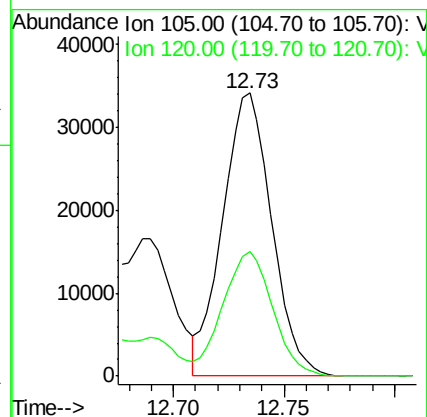
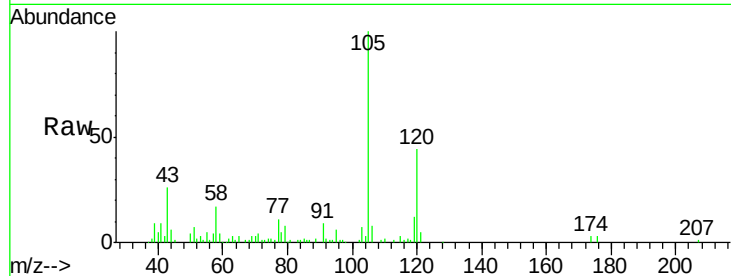




#80
 1,3,5-Trimethylbenzene
 Concen: 1.122 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052530.D
 Acq: 28 Nov 2018 19:55

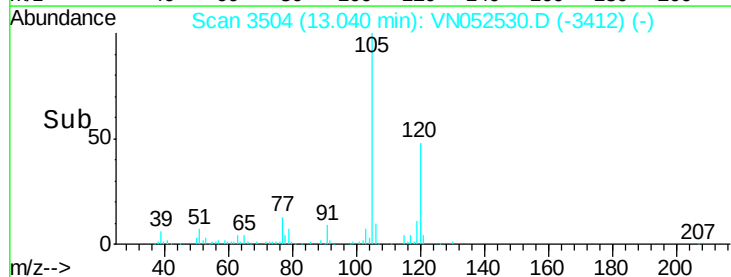
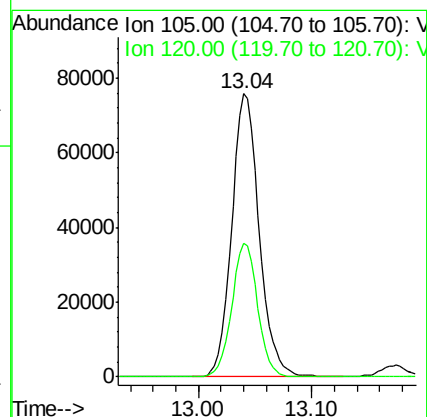
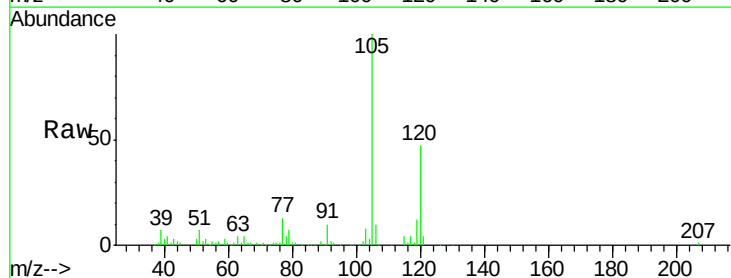
Instrument :
 MSVOA_N
 ClientSampled :
 30002

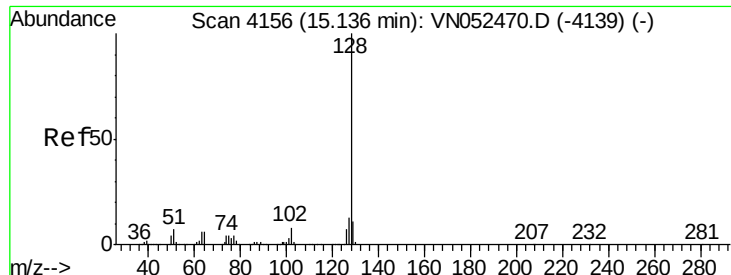
Tot Ion:105 Resp: 52824
 Ion Ratio Lower Upper
 105 100
 120 44.6 24.3 73.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.715 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052530.D
 Acq: 28 Nov 2018 19:55

Tgt Ion:105 Resp: 128159
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.8 68.4





#95

Naphthalene

Concen: 5.601 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052530.D

Acq: 28 Nov 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

30002

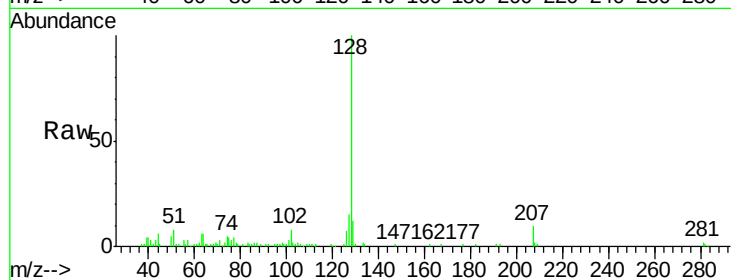
Tot Ion:128 Resp: 66100

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

129 12.1 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

