

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056408.D
 Acq On : 20 Jun 2019 17:23
 Operator : JC/SP
 Sample : K3465-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

Quant Time: Jun 21 05:37:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	372424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	615114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	611965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222515	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	207636	50.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	178185	46.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.88%	
50) Toluene-d8	10.09	98	759155	50.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	271630	54.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.14%	

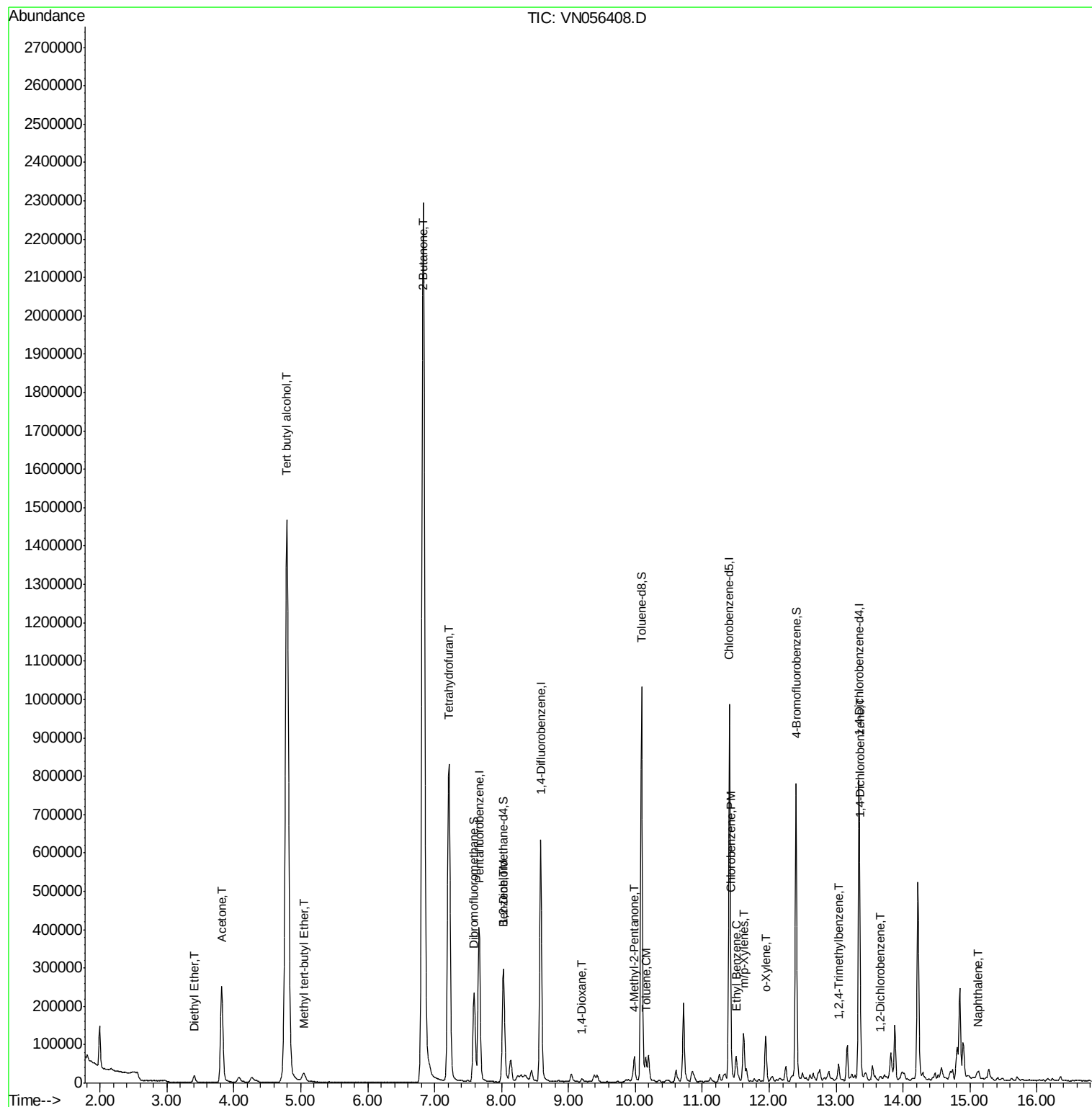
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	8587	3.782	ug/l	89
11) Tert butyl alcohol	4.79	59	2800243	4027.995	ug/l	99
16) Acetone	3.82	43	376911	182.259	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	34798	3.197	ug/l	99
25) 2-Butanone	6.84	43	289707	105.848	ug/l	94
29) Tetrahydrofuran	7.21	42	736463	440.313	ug/l	100
40) Benzene	8.04	78	50983	3.061	ug/l	97
49) 1,4-Dioxane	9.20	88	6139	71.953	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	48722	9.201	ug/l	95
52) Toluene	10.16	92	23484	2.306	ug/l	97
65) Chlorobenzene	11.43	112	10846	0.882	ug/l	98
67) Ethyl Benzene	11.51	91	32581	1.509	ug/l	100
68) m/p-Xylenes	11.62	106	43099	5.447	ug/l	99
69) o-Xylene	11.95	106	32529	4.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	22714	1.516	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	24081	3.298	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	2043	0.273	ug/l	93
95) Naphthalene	15.13	128	17957	6.823	ug/l	99

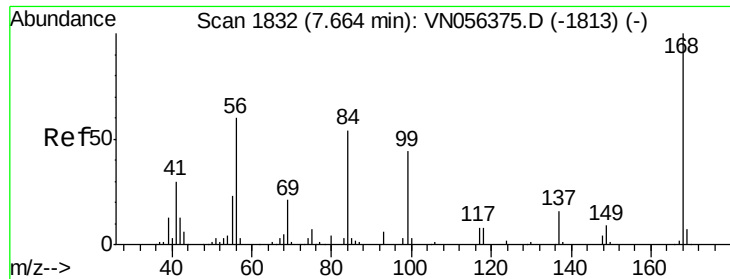
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

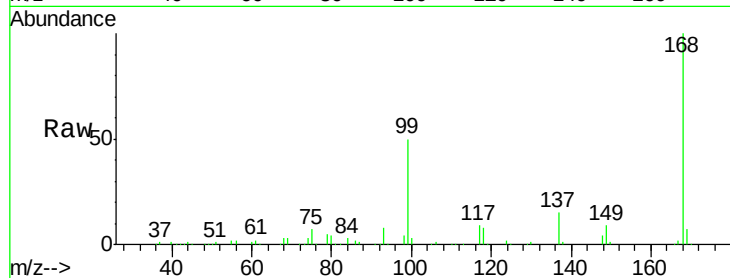
390619766-VOA

Tot Ion:168 Resp: 372424

Ion Ratio Lower Upper

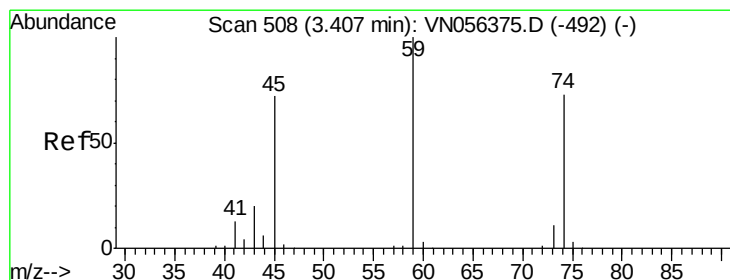
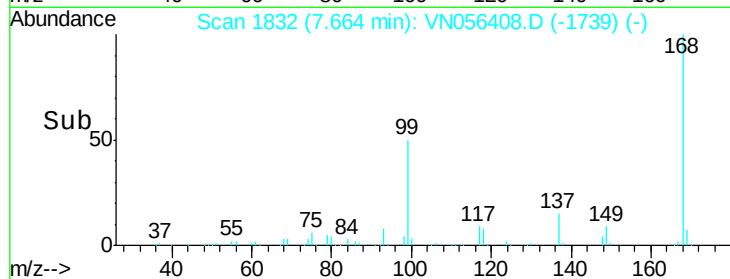
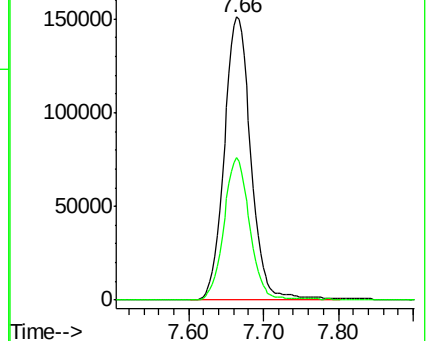
168 100

99 50.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 3.782 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN056408.D

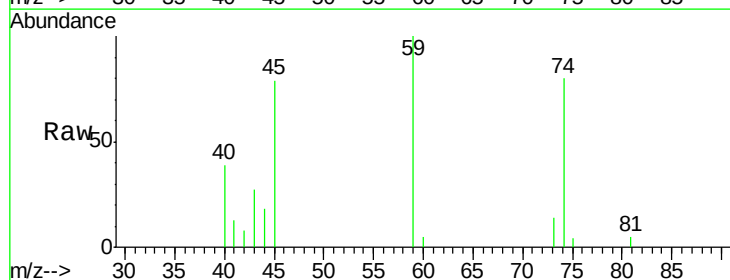
Acq: 20 Jun 2019 17:23

Tgt Ion: 74 Resp: 8587

Ion Ratio Lower Upper

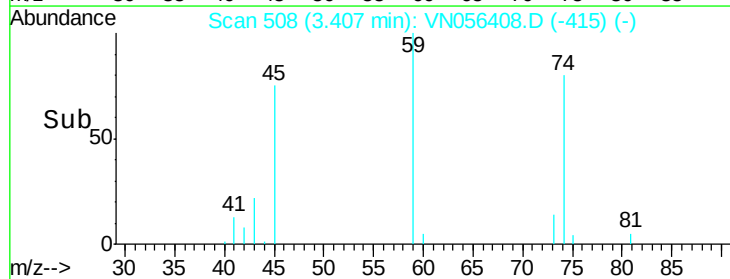
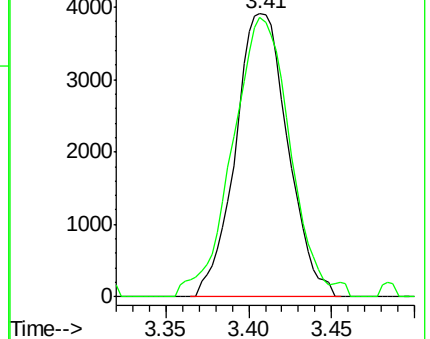
74 100

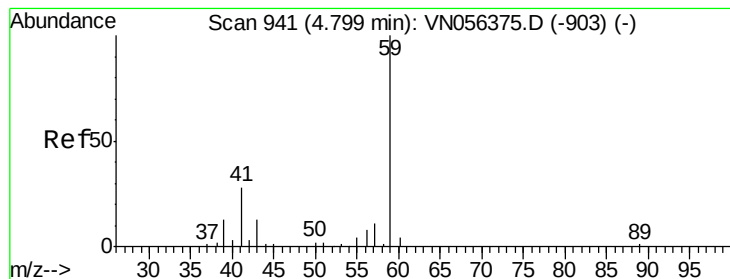
45 108.6 48.9 146.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO



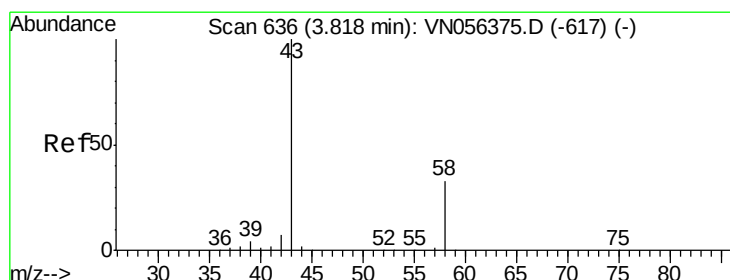
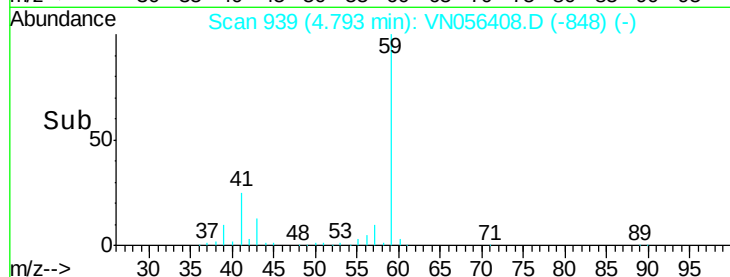
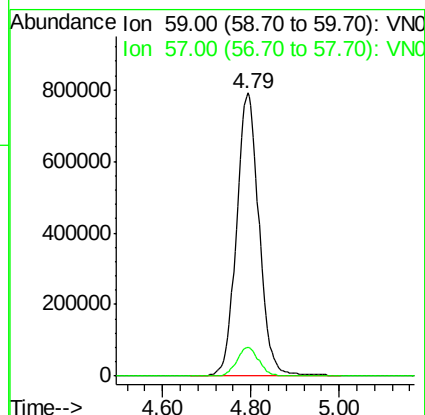
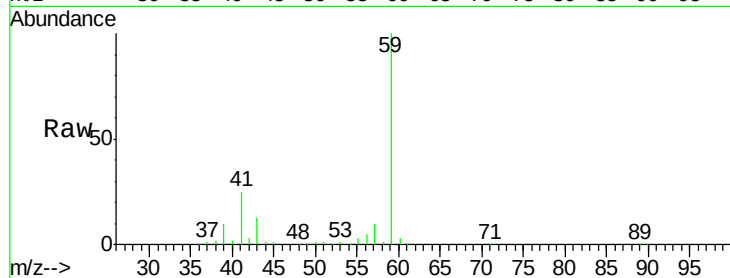


#11

Tert butyl alcohol
 Concen: 4027.995 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

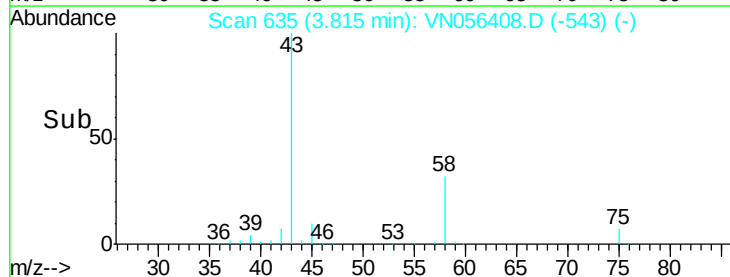
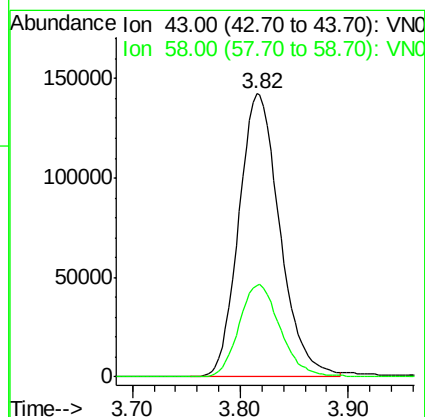
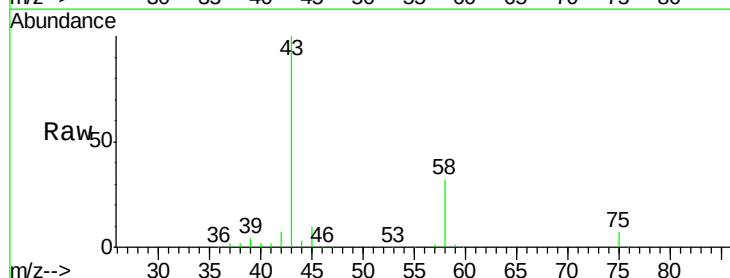
Tot Ion: 59 Resp: 2800243
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.6 11.4

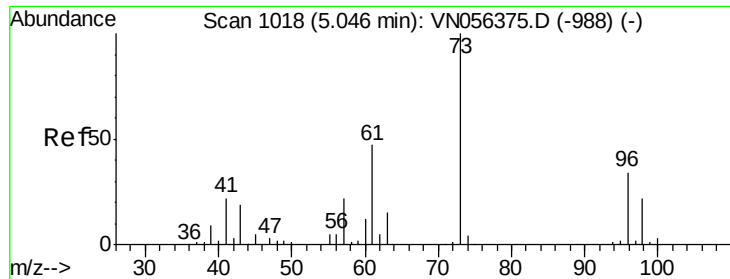


#16

Acetone
 Concen: 182.259 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

Tgt Ion: 43 Resp: 376911
 Ion Ratio Lower Upper
 43 100
 58 32.5 26.4 39.6

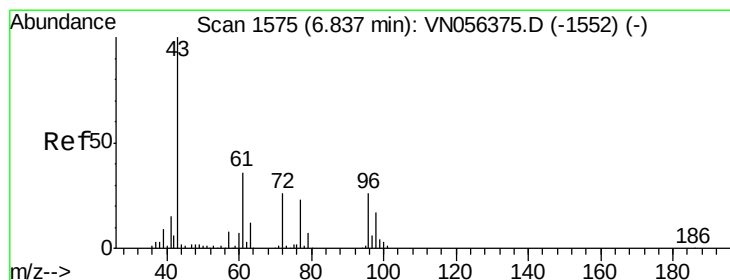
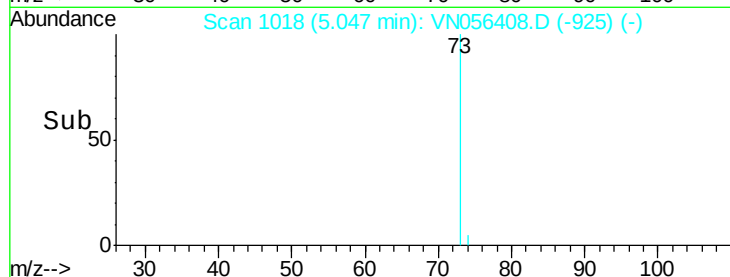
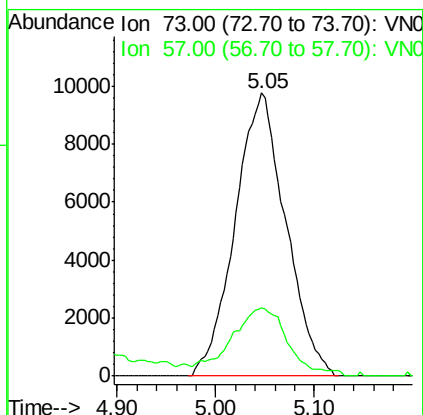
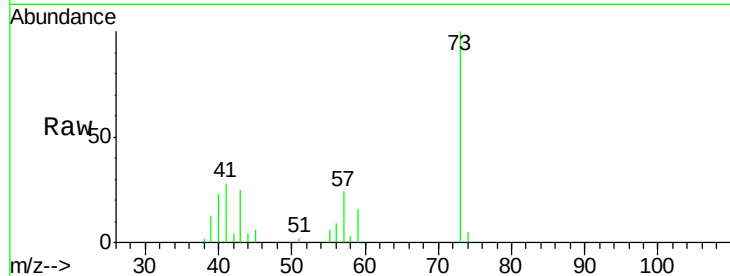




#19
Methyl tert-butyl Ether
Concen: 3.197 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

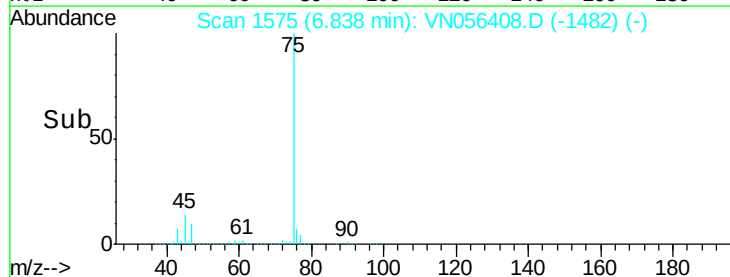
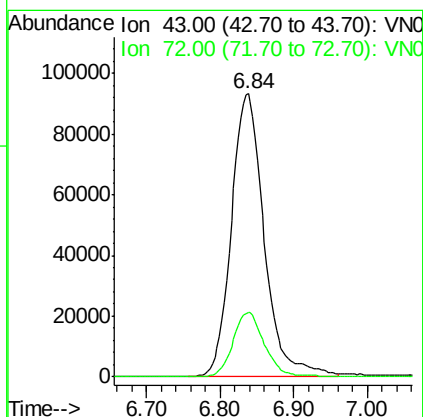
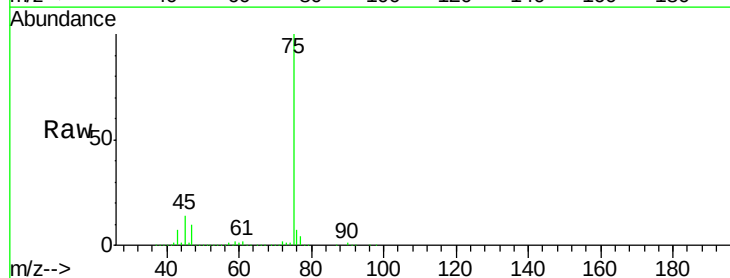
Instrument :
MSVOA_N
ClientSampled :
390619766-VOA

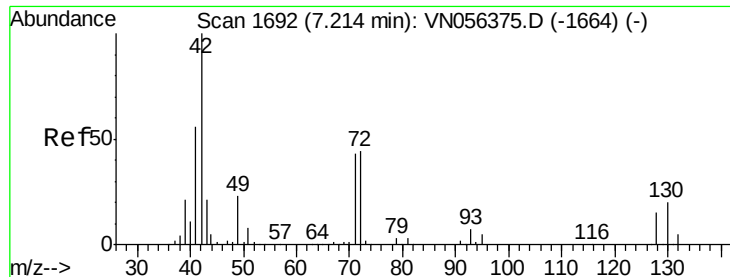
Tot Ion: 73 Resp: 34798
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9



#25
2-Butanone
Concen: 105.848 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion: 43 Resp: 289707
Ion Ratio Lower Upper
43 100
72 23.0 20.6 31.0





#29

Tetrahydrofuran

Concen: 440.313 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

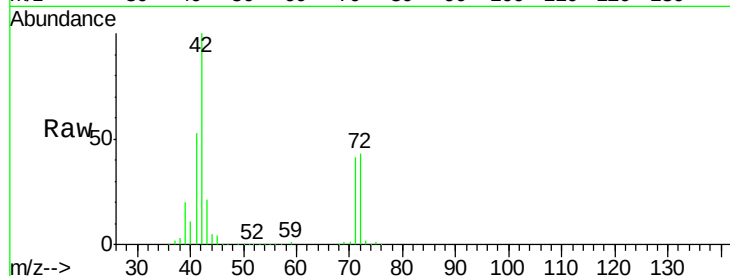
Tot Ion: 42 Resp: 736463

Ion Ratio Lower Upper

42 100

72 43.3 34.7 52.1

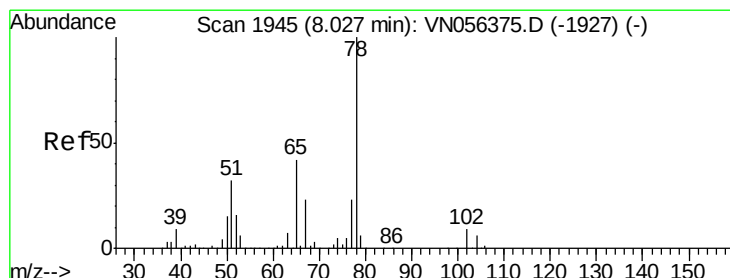
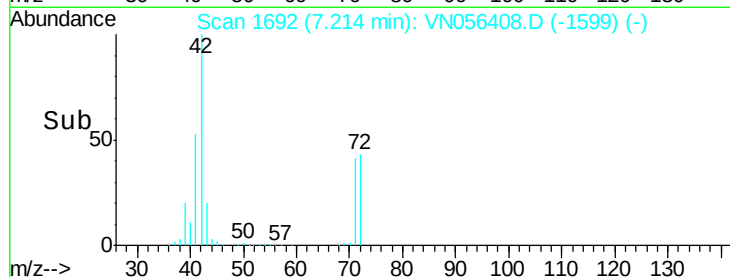
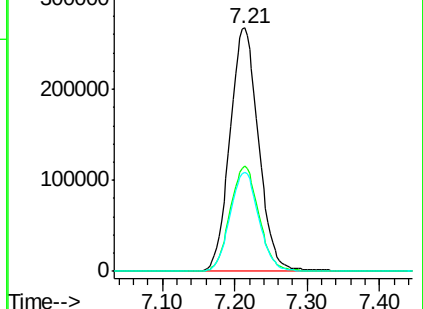
71 41.1 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.304 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056408.D

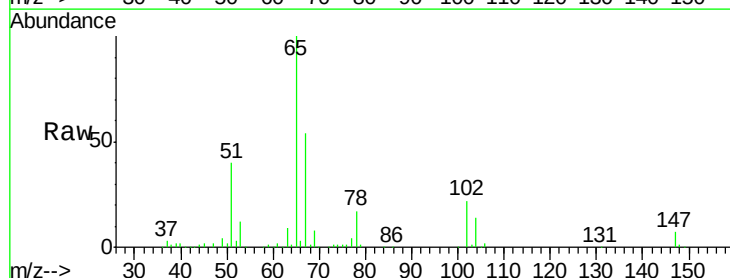
Acq: 20 Jun 2019 17:23

Tgt Ion: 65 Resp: 207636

Ion Ratio Lower Upper

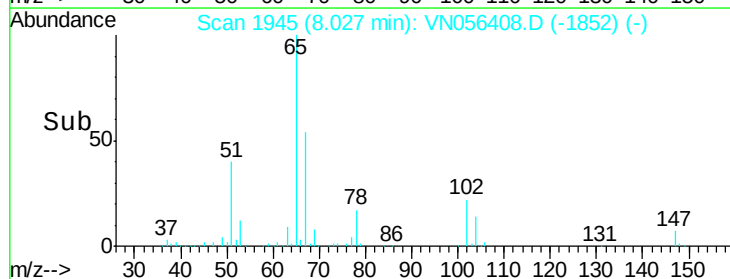
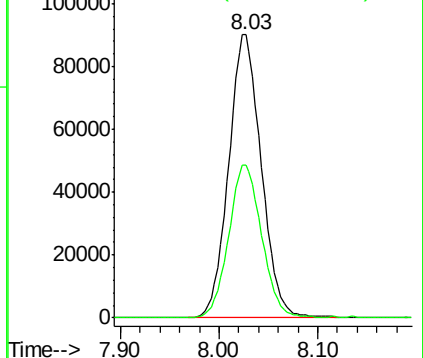
65 100

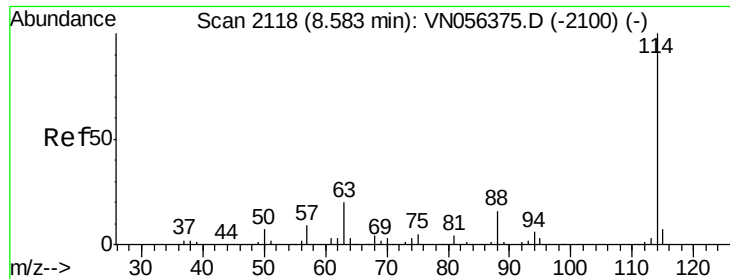
67 54.7 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

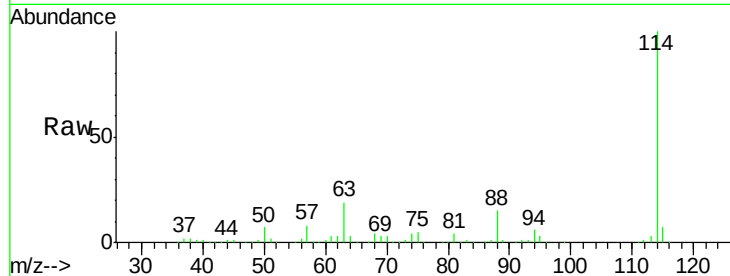




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

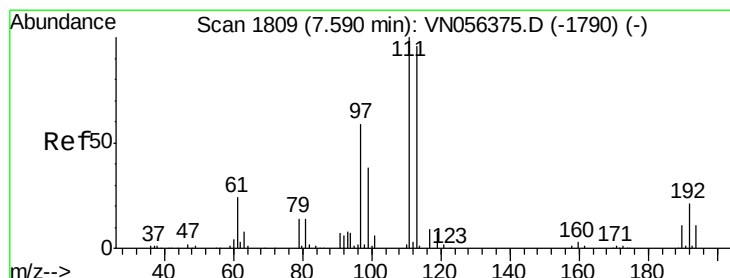
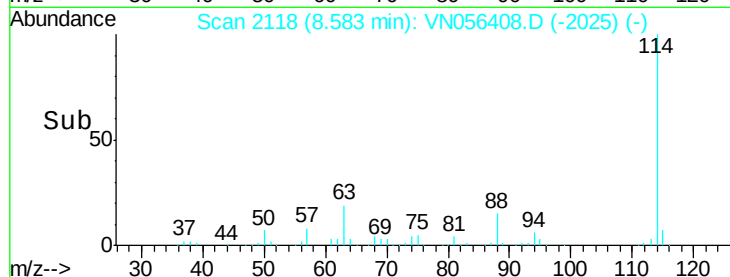
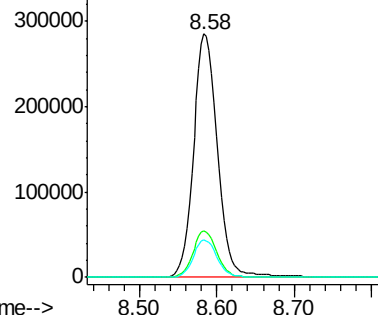
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	15.3	0.0	31.4



Abundance Ion 113.90 (113.60 to 114.60): V

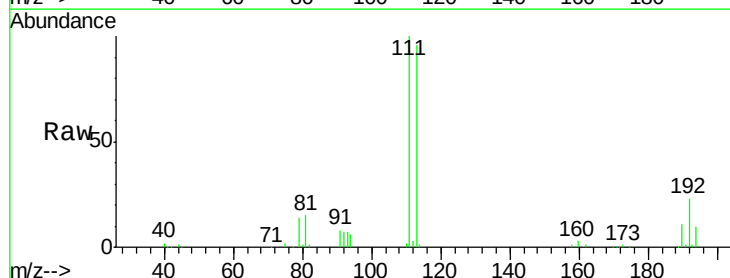
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
Dibromofluoromethane
Concen: 46.435 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

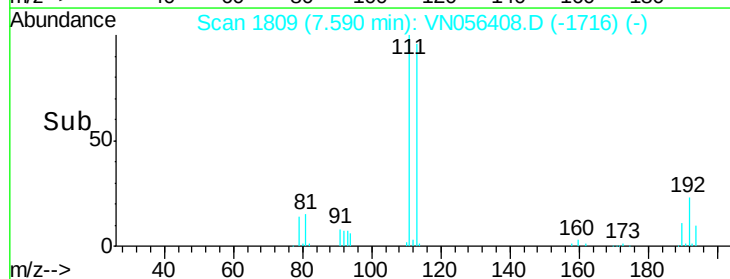
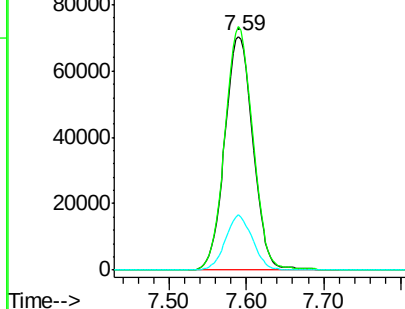
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	22.4	17.7	26.5

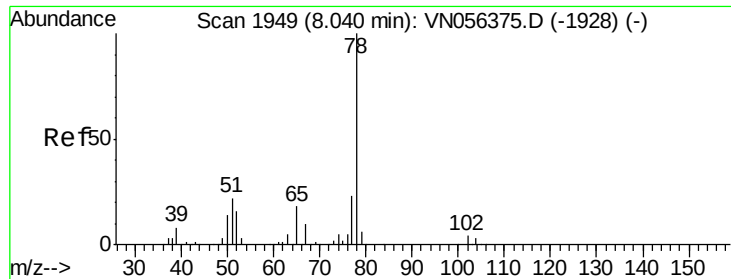


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.061 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

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ClientSampleId :

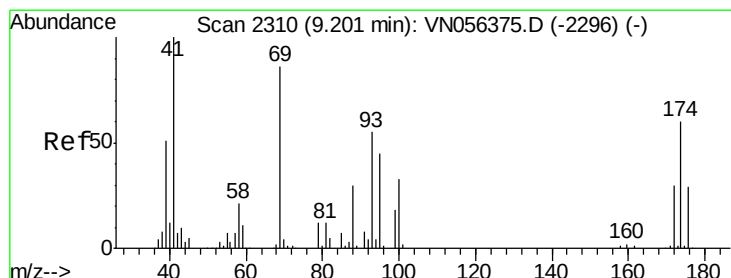
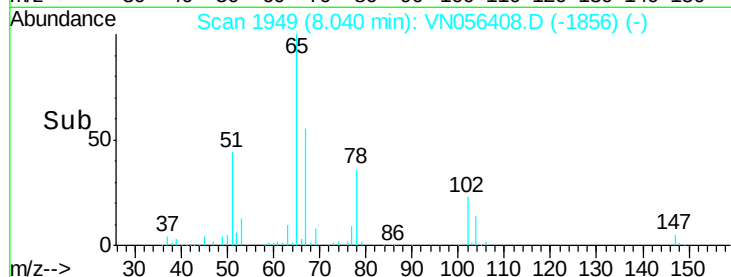
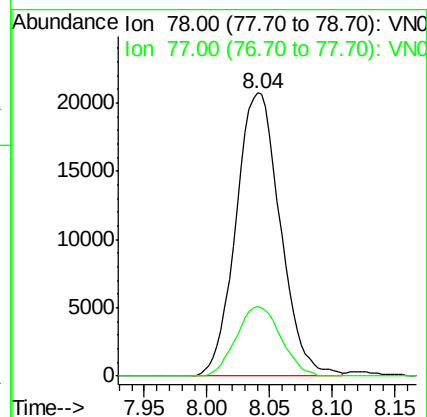
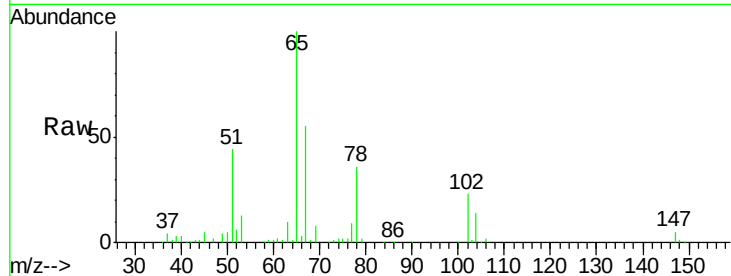
390619766-VOA

Tot Ion: 78 Resp: 50983

Ion Ratio Lower Upper

78 100

77 24.5 18.3 27.5



#49

1,4-Dioxane

Concen: 71.953 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

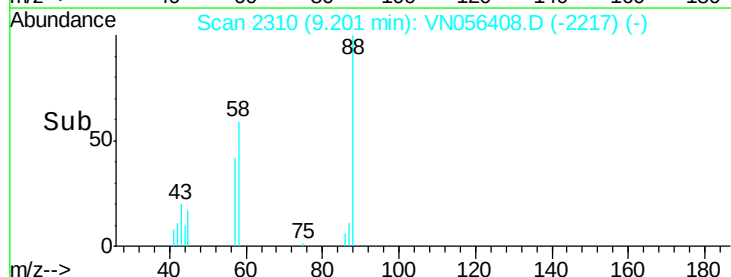
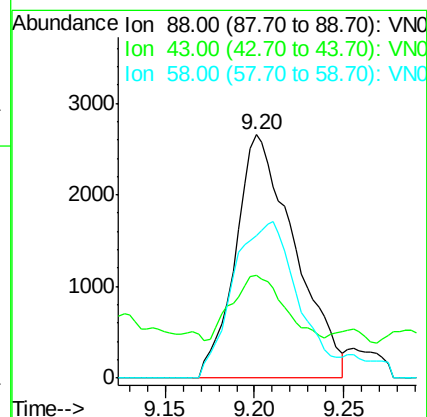
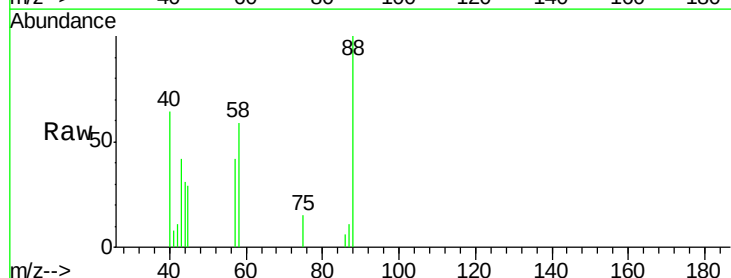
Tgt Ion: 88 Resp: 6139

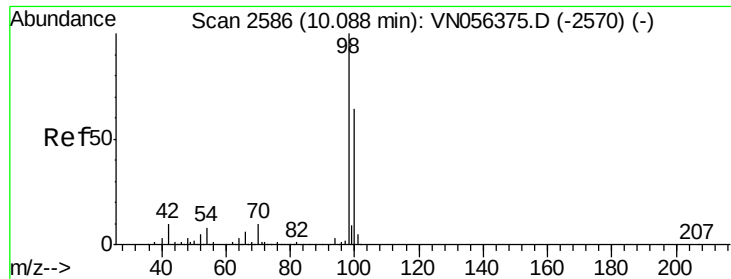
Ion Ratio Lower Upper

88 100

43 23.4 22.0 33.0

58 70.2 51.8 77.8





#50

Toluene-d8

Concen: 50.843 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

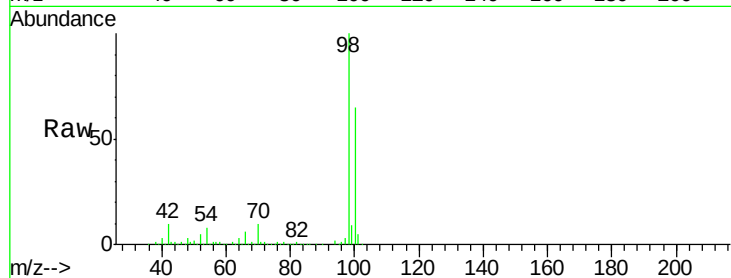
390619766-VOA

Tot Ion: 98 Resp: 759155

Ion Ratio Lower Upper

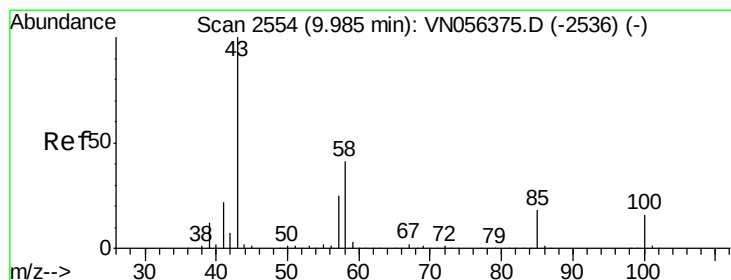
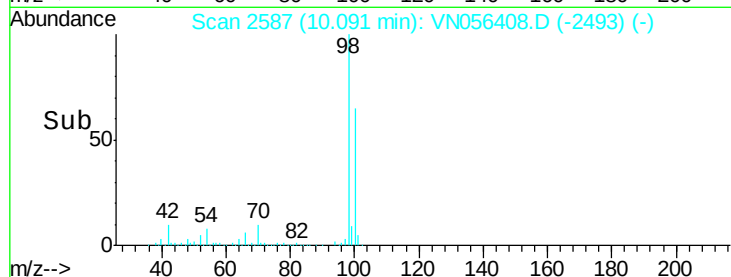
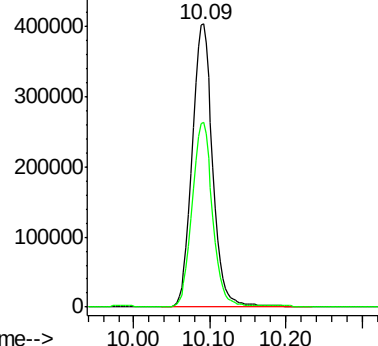
98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 9.201 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056408.D

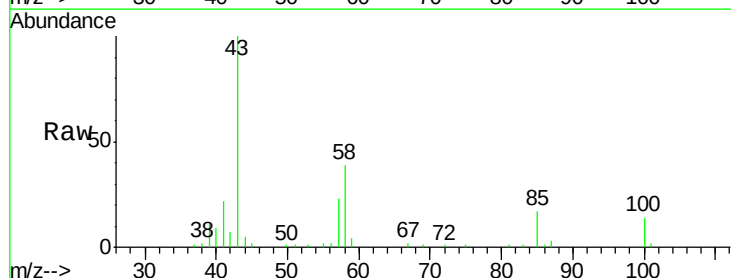
Acq: 20 Jun 2019 17:23

Tgt Ion: 43 Resp: 48722

Ion Ratio Lower Upper

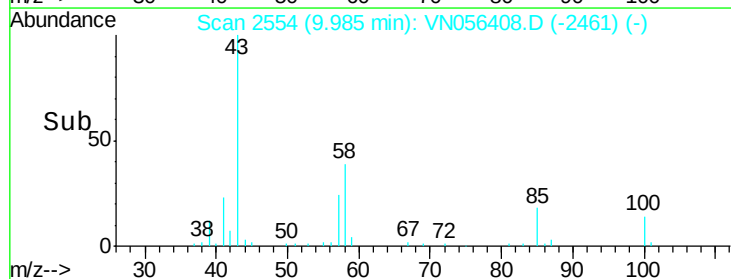
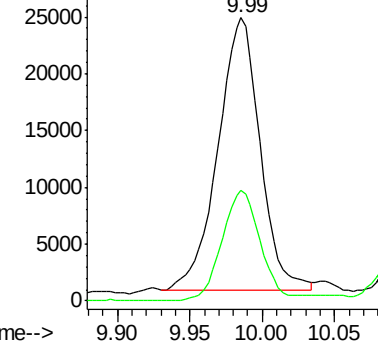
43 100

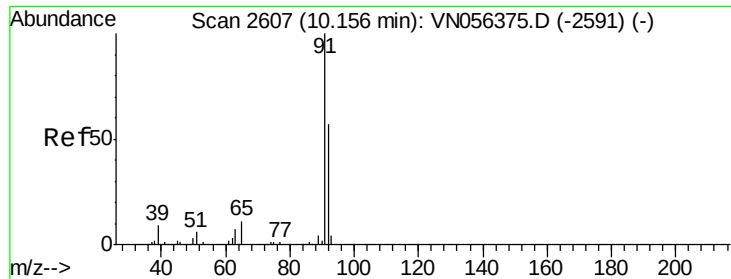
58 37.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 2.306 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

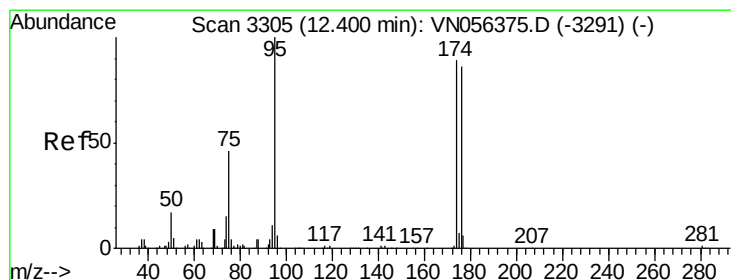
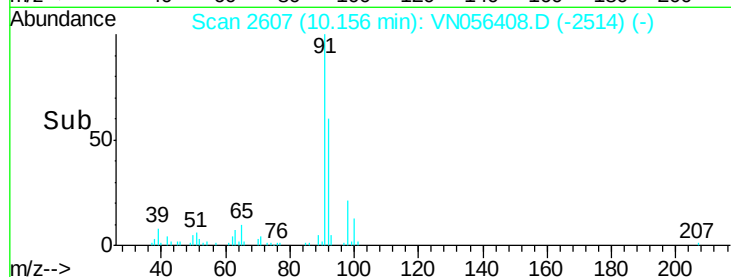
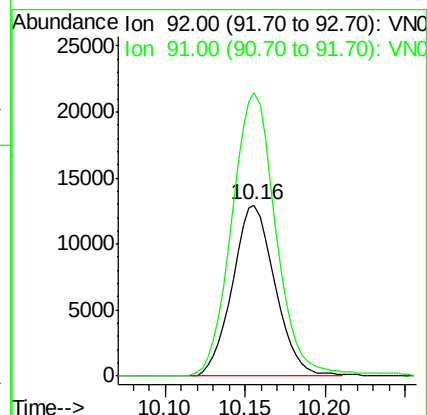
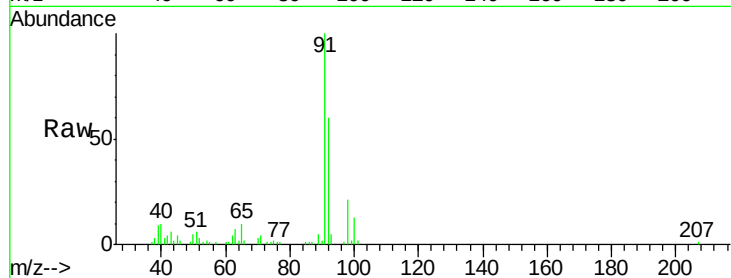
390619766-VOA

Tot Ion: 92 Resp: 23484

Ion Ratio Lower Upper

92 100

91 172.1 140.6 211.0



#62

4-Bromofluorobenzene

Concen: 54.572 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

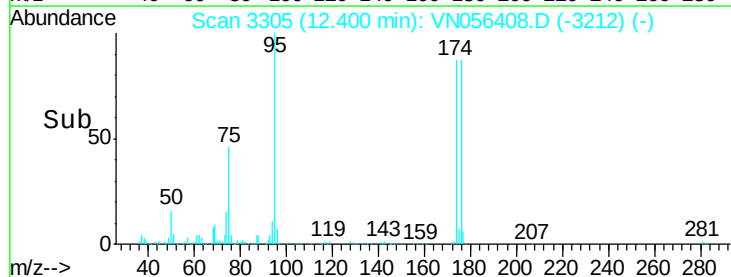
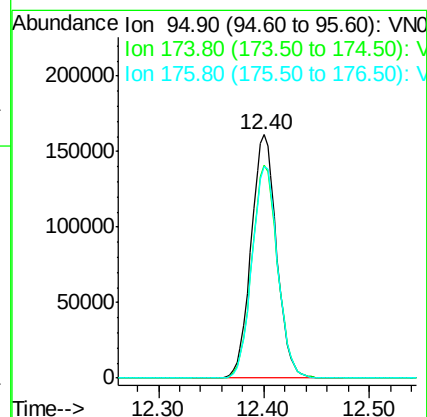
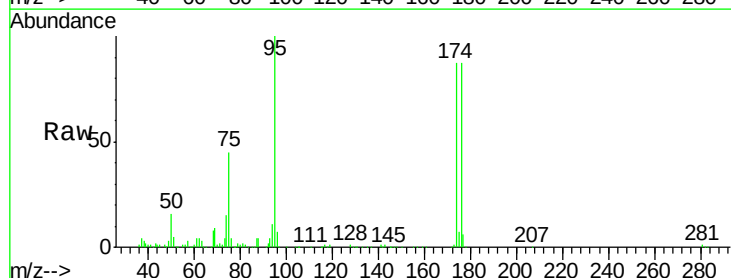
Tgt Ion: 95 Resp: 271630

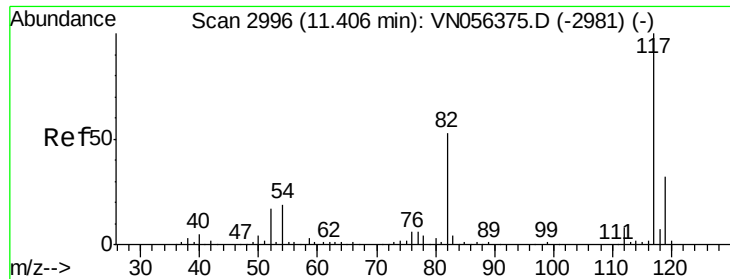
Ion Ratio Lower Upper

95 100

174 87.9 0.0 179.4

176 87.7 0.0 173.4

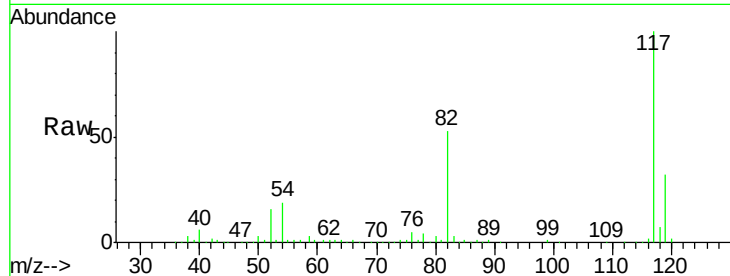




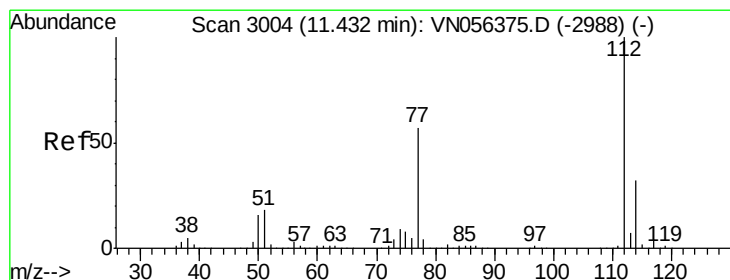
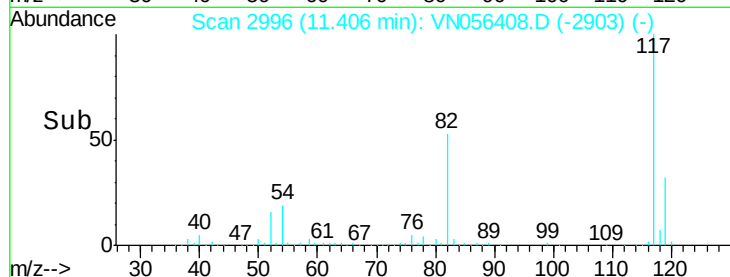
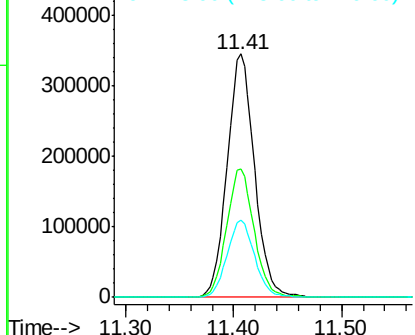
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
390619766-VOA

Tot Ion:117 Resp: 611965
Ion Ratio Lower Upper
117 100
82 53.0 42.0 63.0
119 31.9 25.3 37.9

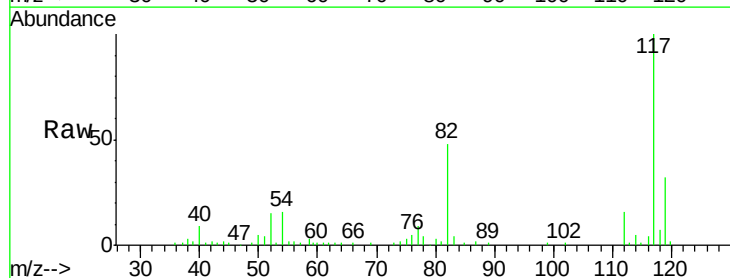


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

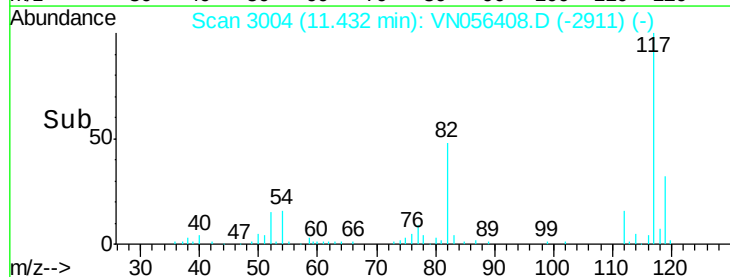
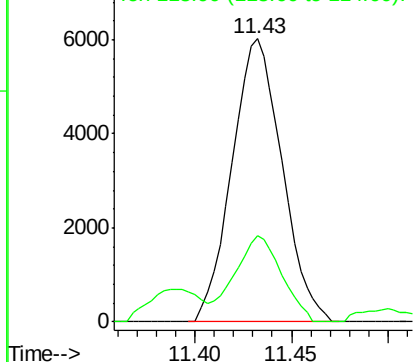


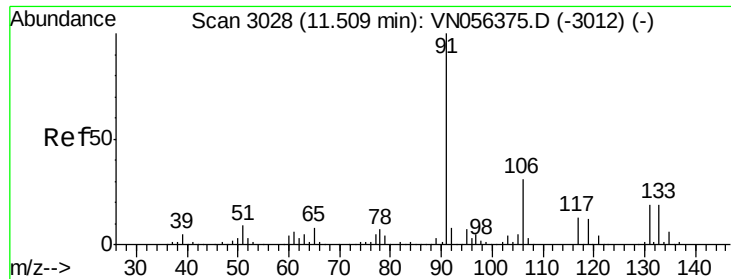
#65
Chlorobenzene
Concen: 0.882 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion:112 Resp: 10846
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

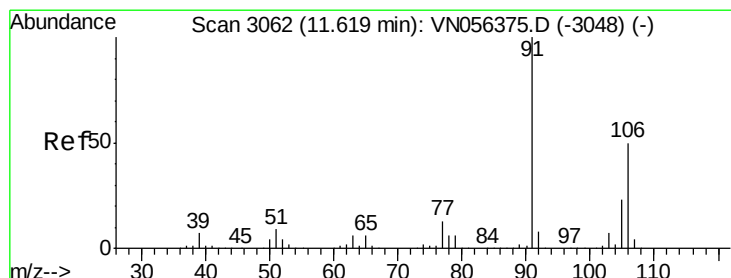
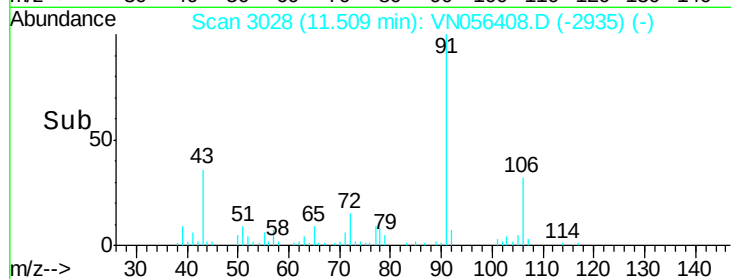
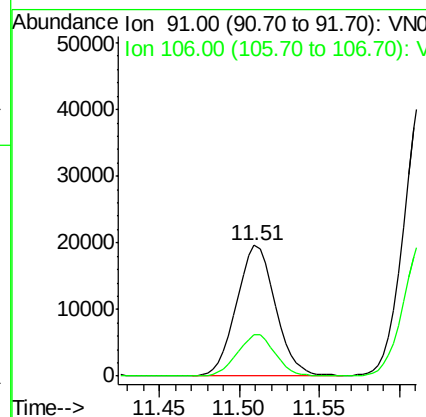
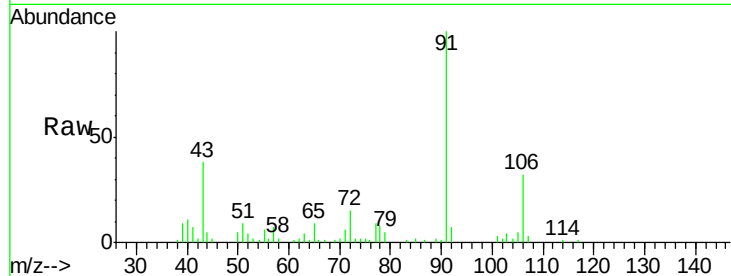




#67
Ethyl Benzene
Concen: 1.509 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

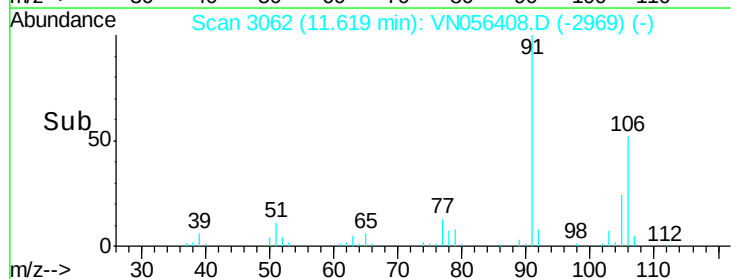
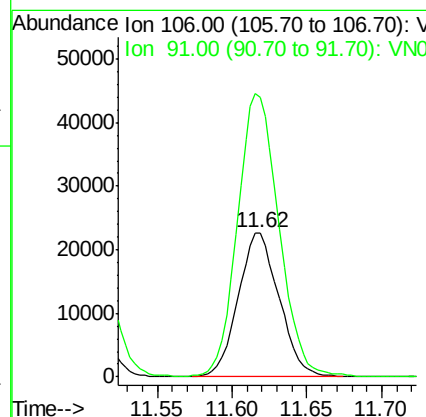
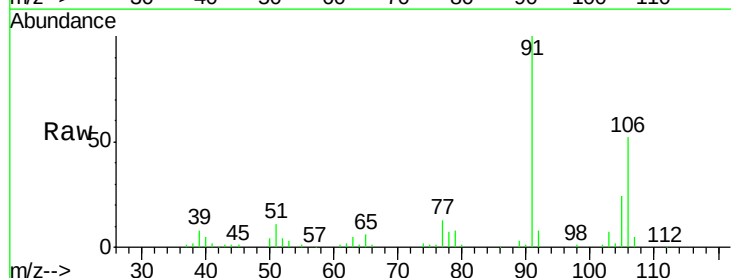
Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

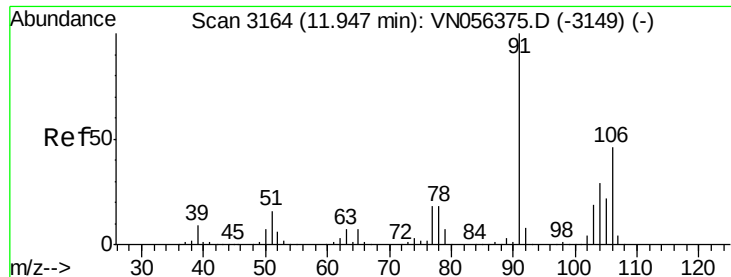
Tot Ion: 91 Resp: 32581
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 5.447 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion: 106 Resp: 43099
Ion Ratio Lower Upper
106 100
91 199.1 160.1 240.1

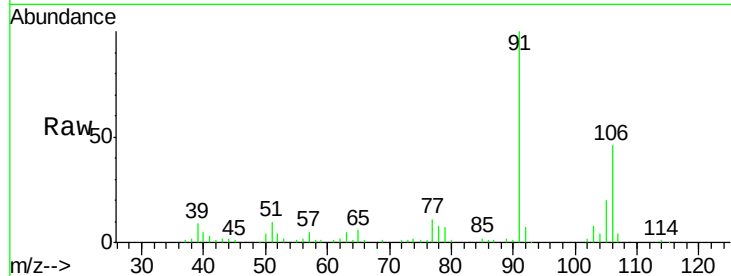




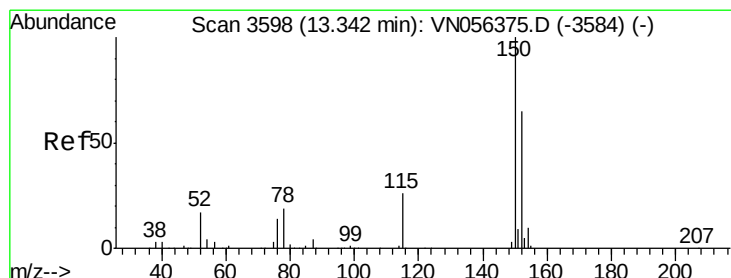
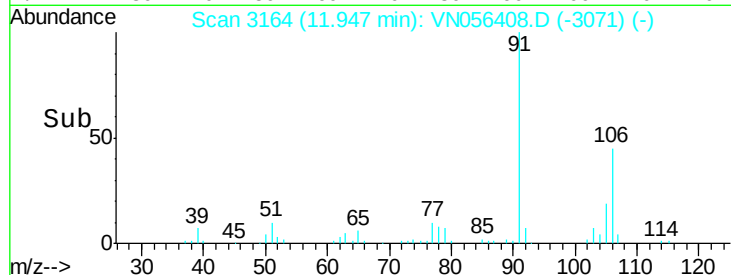
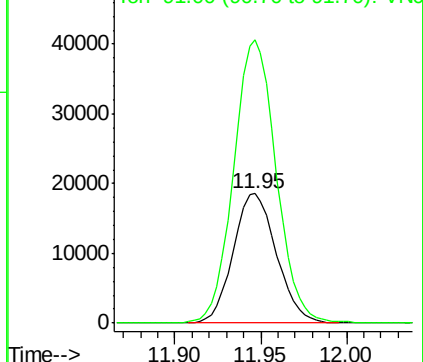
#69
o-Xylene
Concen: 4.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

Tot Ion:106 Resp: 32529
Ion Ratio Lower Upper
106 100
91 215.0 107.1 321.3

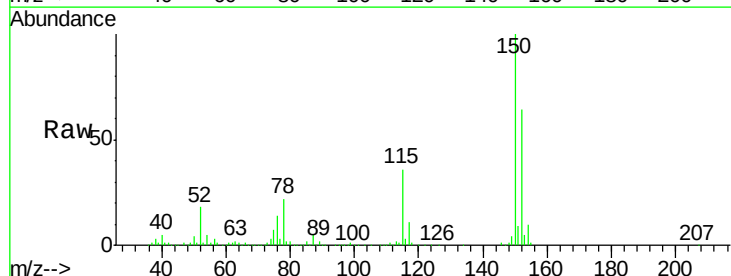


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

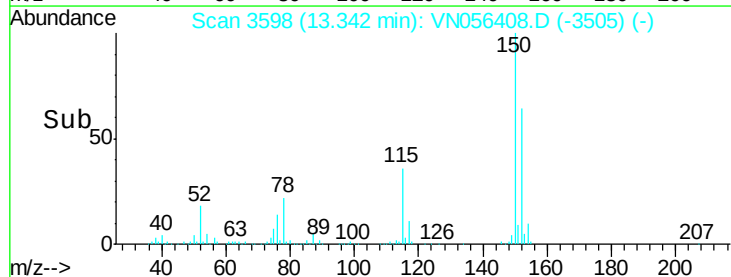
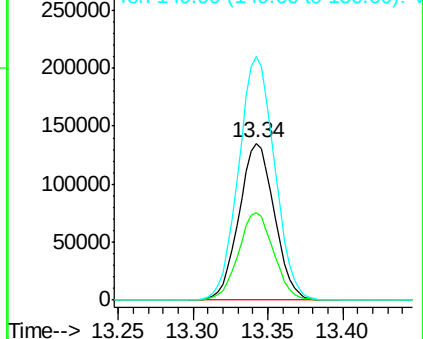


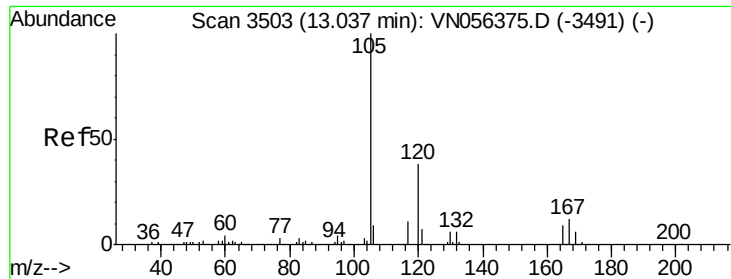
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion:152 Resp: 222515
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.4
150 158.3 0.0 348.4



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





#84

1,2,4-Trimethylbenzene

Concen: 1.516 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

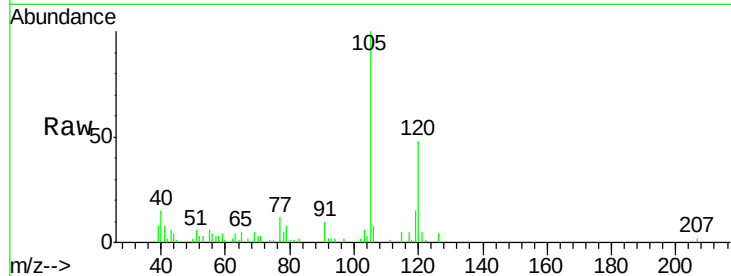
390619766-VOA

Tot Ion:105 Resp: 22714

Ion Ratio Lower Upper

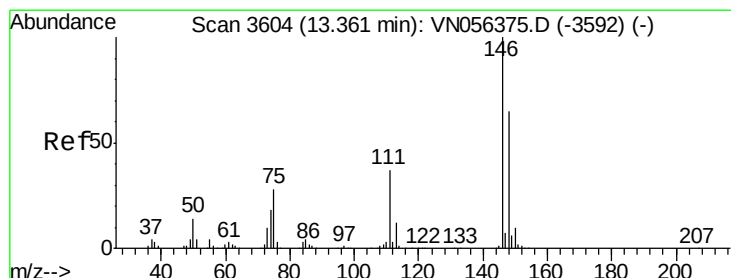
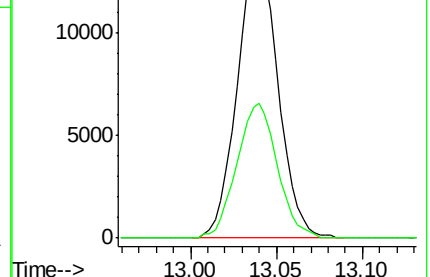
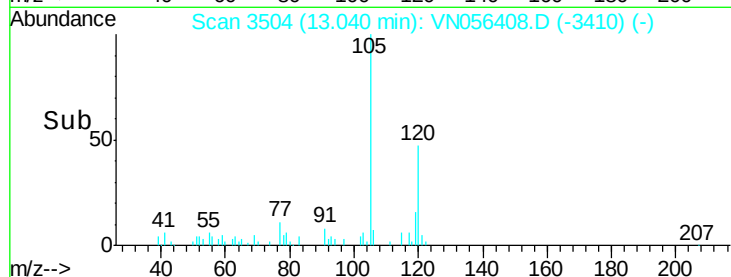
105 100

120 47.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#88

1,4-Dichlorobenzene

Concen: 3.298 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

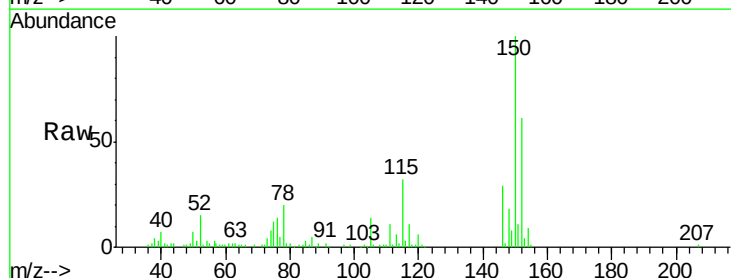
Tgt Ion:146 Resp: 24081

Ion Ratio Lower Upper

146 100

111 49.2 18.4 55.4

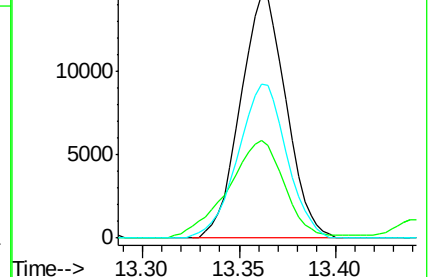
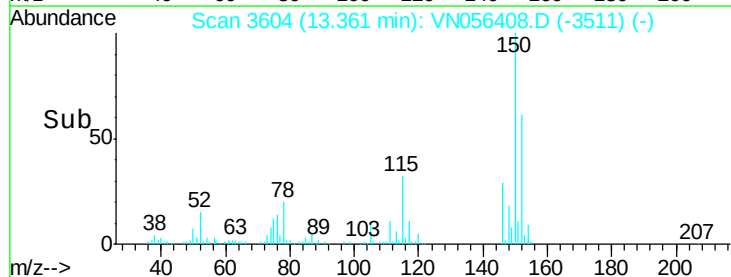
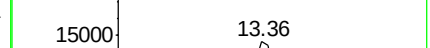
148 67.2 32.4 97.0

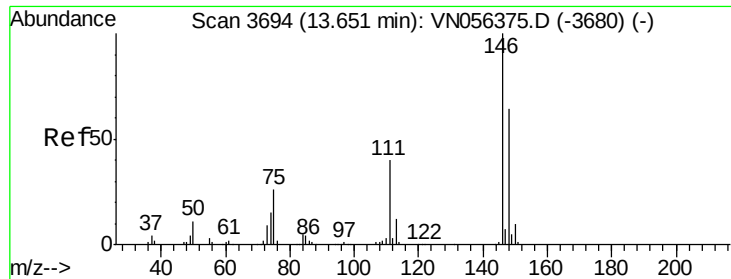


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

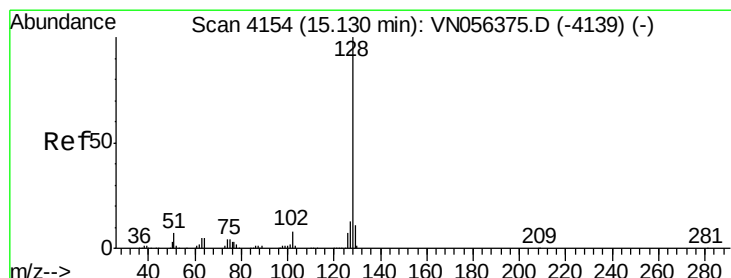
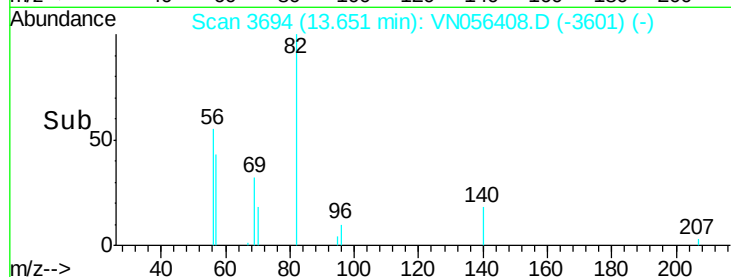
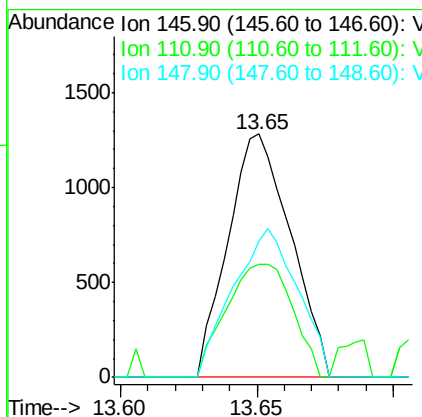
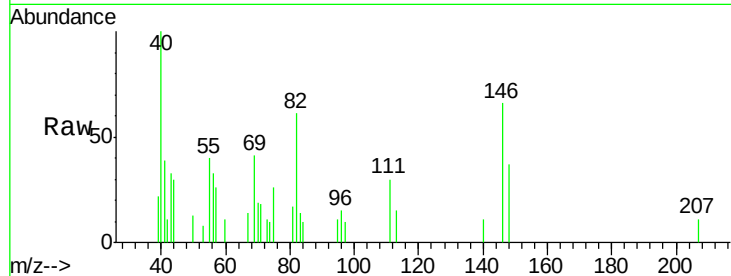




#91
 1,2-Dichlorobenzene
 Concen: 0.273 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

Tot Ion:146 Resp: 2043
 Ion Ratio Lower Upper
 146 100
 111 49.3 19.3 57.9
 148 63.0 32.0 96.0



#95
 Naphthalene
 Concen: 6.823 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

Tgt Ion:128 Resp: 17957
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.2 15.2
 129 10.5 8.6 12.8

