

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056606.D
 Acq On : 8 Jul 2019 13:44
 Operator : JC/SP
 Sample : VN0708WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBL01

Quant Time: Jul 09 03:44:12 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	280339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	485374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180859	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	163999	52.78	ug/l	0.00
Spiked Amount						
			Recovery	=	105.56%	
35) Dibromofluoromethane	7.59	113	148553	49.06	ug/l	0.00
Spiked Amount						
			Recovery	=	98.12%	
50) Toluene-d8	10.09	98	600780	50.99	ug/l	0.00
Spiked Amount						
			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	213269	54.30	ug/l	0.00
Spiked Amount						
			Recovery	=	108.60%	

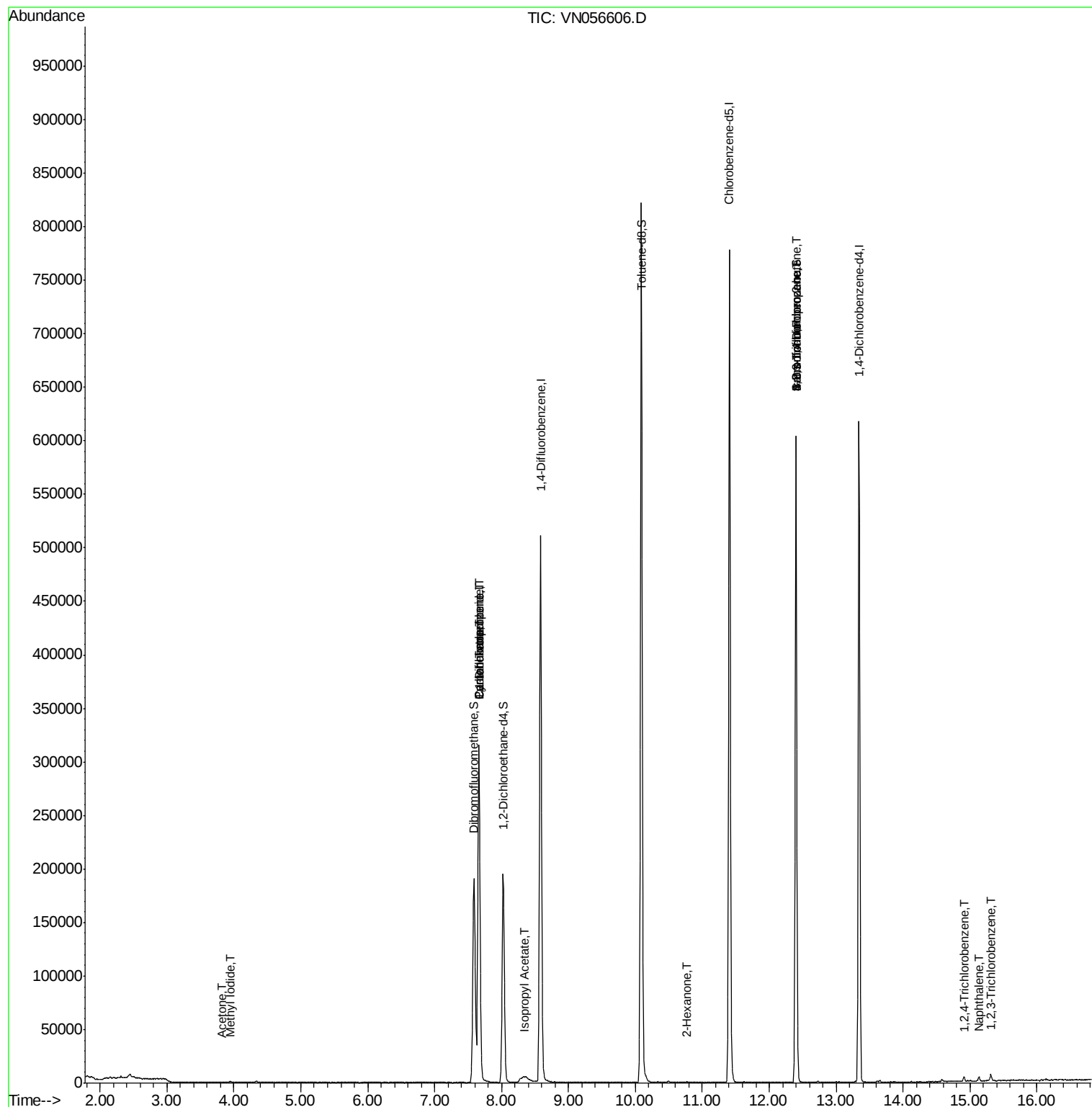
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	724	0.208	ug/l #	73
16) Acetone	3.82	43	504	0.324	ug/l #	42
18) Methyl Acetate	4.34	43	2119	Below Cal	#	88
20) Methylene Chloride	4.54	84	131	Below Cal	#	30
31) Cyclohexane	7.66	56	4727	0.985	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18656	4.367	ug/l #	48
38) Carbon Tetrachloride	7.66	117	24401	6.531	ug/l #	15
43) Isopropyl Acetate	8.34	43	8017	1.238	ug/l #	54
59) 2-Hexanone	10.76	43	1161	0.378	ug/l	68
71) Bromoform	12.40	173	1650	3.719	ug/l #	1
73) Isopropylbenzene	12.25	105	493	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	99283	26.474	ug/l #	100
79) 2-Chlorotoluene	12.67	91	504	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	536	Below Cal		79
81) trans-1,4-Dichloro-2-buten	12.40	75	99283	94.094	ug/l #	8
83) tert-Butylbenzene	12.99	119	514	Below Cal	#	65
93) 1,2,4-Trichlorobenzene	14.91	180	1735	6.100	ug/l	93
94) Hexachlorobutadiene	15.00	225	236	Below Cal		79
95) Naphthalene	15.13	128	4822	5.766	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	2724	5.237	ug/l	96

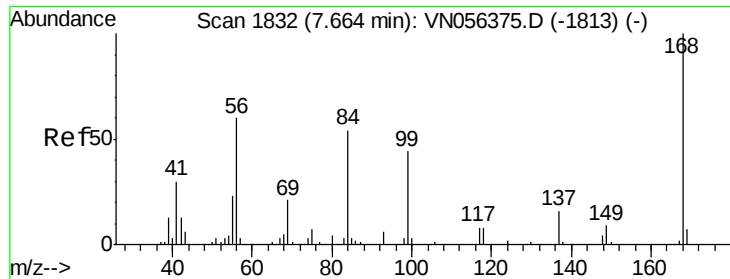
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN056606.D

Acq: 8 Jul 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

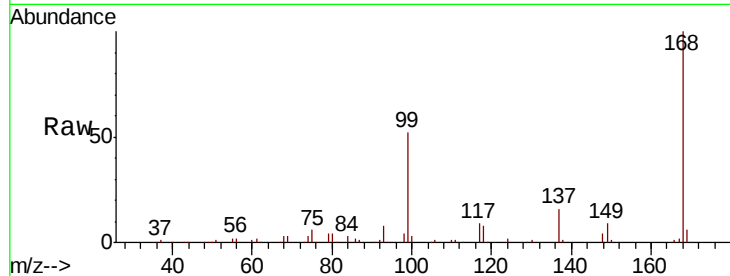
VN0708WBL01

Tot Ion:168 Resp: 280339

Ion Ratio Lower Upper

168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

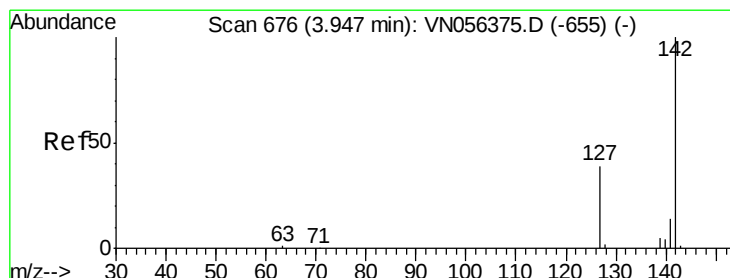
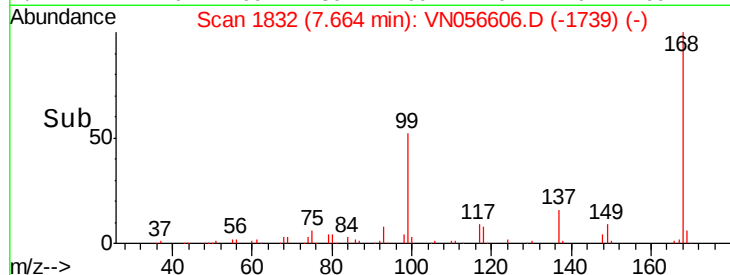
7.66

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 0.208 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

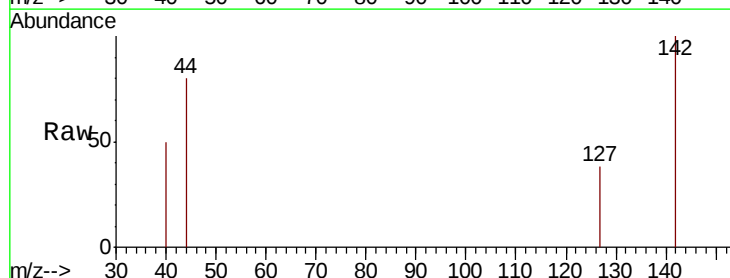
Tgt Ion:142 Resp: 724

Ion Ratio Lower Upper

142 100

127 53.0 30.6 46.0#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

800

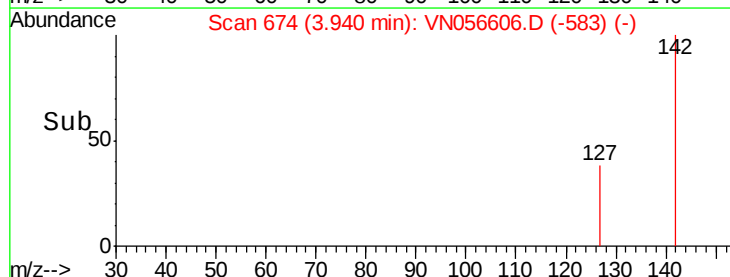
600

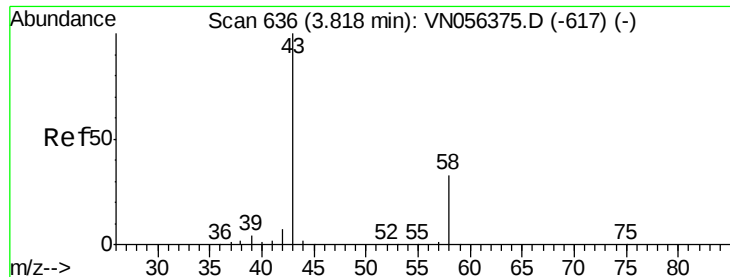
400

200

0

Time-->





#16

Acetone

Concen: 0.324 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

Instrument :

MSVOA_N

ClientSampled :

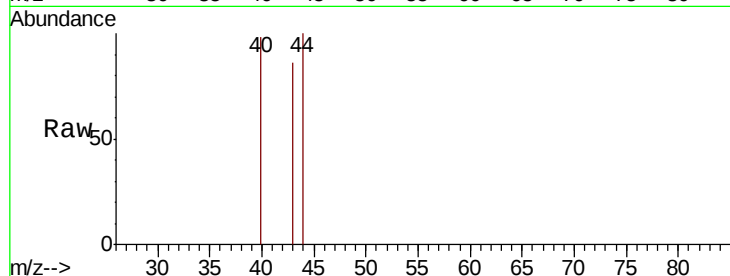
VN0708WBL01

Tot Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

58 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

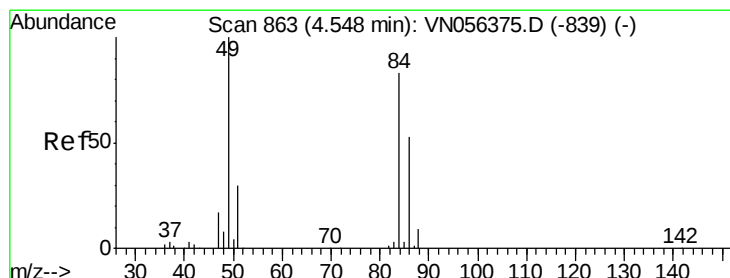
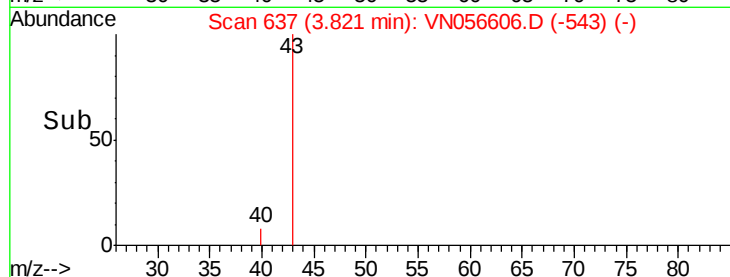
300

200

100

0

Time--> 3.78 3.80 3.82 3.84 3.86



#20

Methylene Chloride

Concen: Below Cal

RT: 4.54 min Scan# 861

Delta R.T. -0.01 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

Tgt Ion: 84 Resp: 131

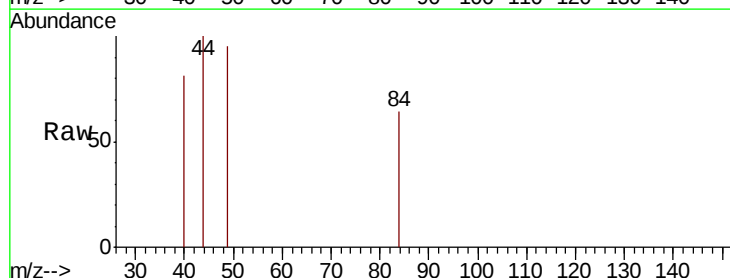
Ion Ratio Lower Upper

84 100

49 45.8 96.4 144.6#

51 0.0 28.6 43.0#

86 0.0 51.4 77.2#



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

400

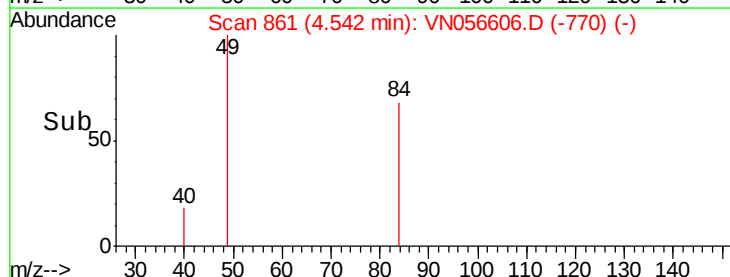
300

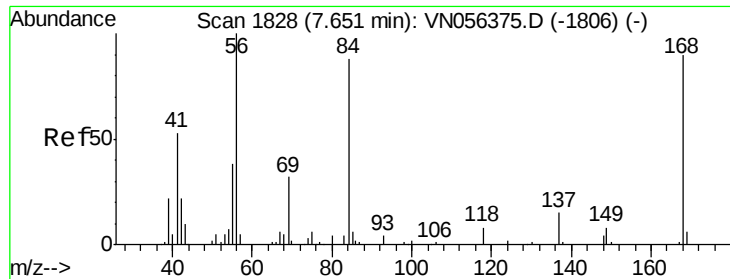
200

100

0

Time--> 4.53 4.54 4.55 4.56

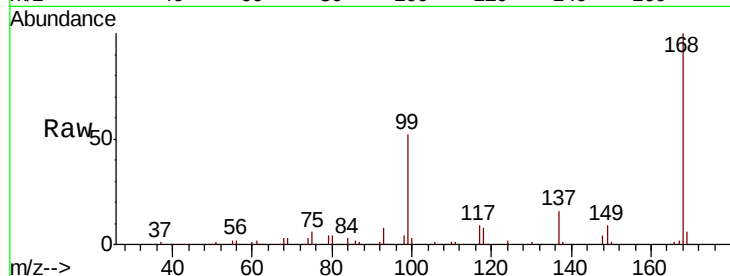




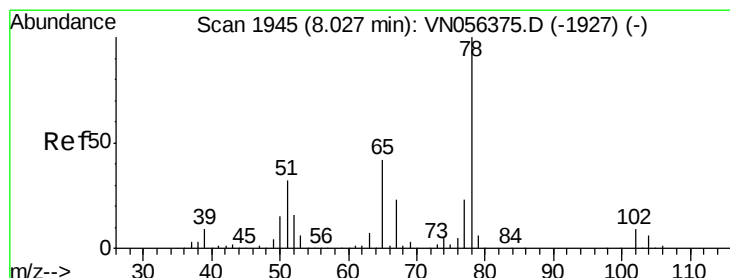
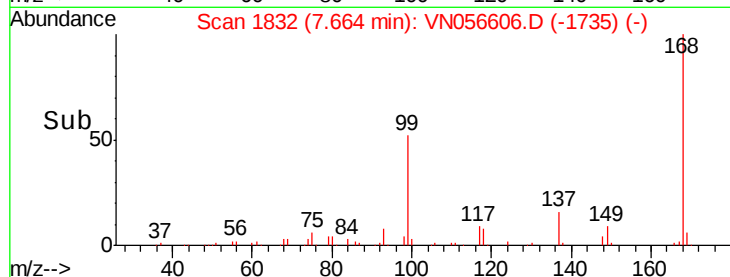
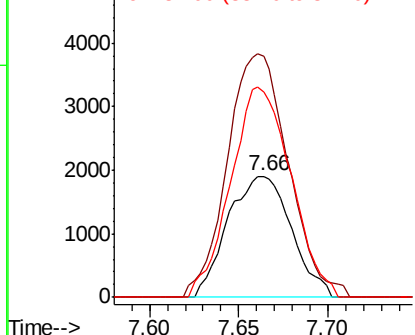
#31
Cyclohexane
Concen: 0.985 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0708WBL01

Tot Ion: 56 Resp: 4727
Ion Ratio Lower Upper
56 100
69 189.4 25.8 38.6#
84 169.9 69.4 104.0#

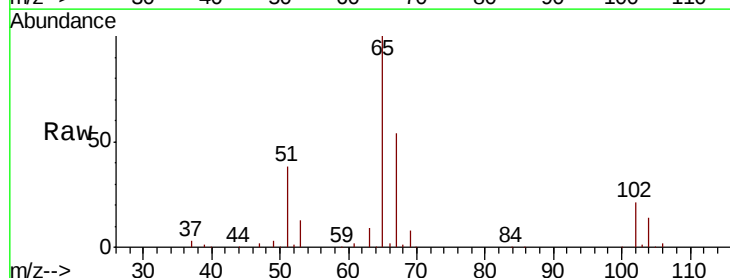


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

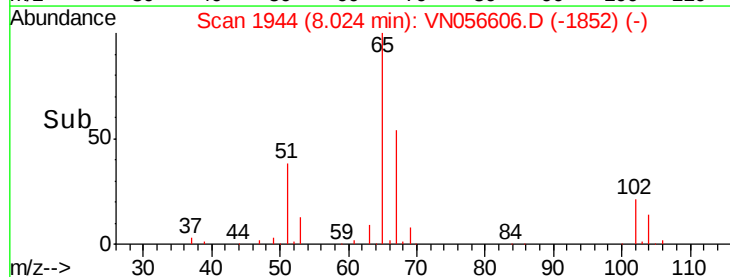
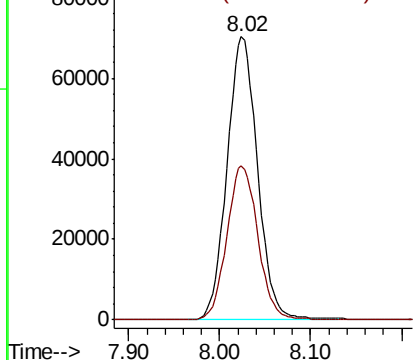


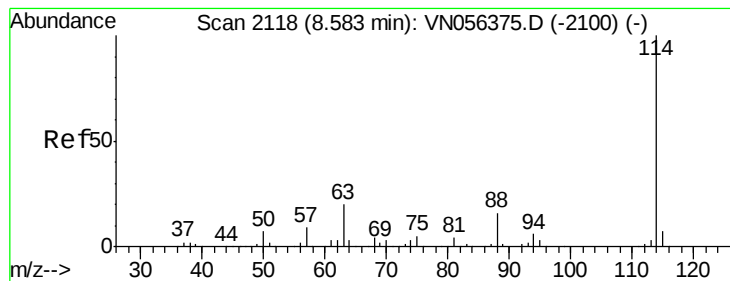
#33
1,2-Dichloroethane-d4
Concen: 52.783 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Tgt Ion: 65 Resp: 163999
Ion Ratio Lower Upper
65 100
67 55.2 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: VN056606.D

Acq: 8 Jul 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBL01

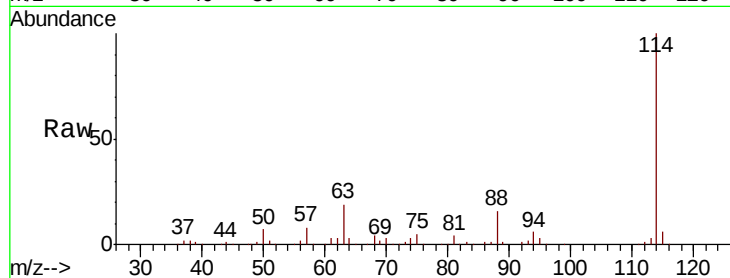
Tot Ion:114 Resp: 485374

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

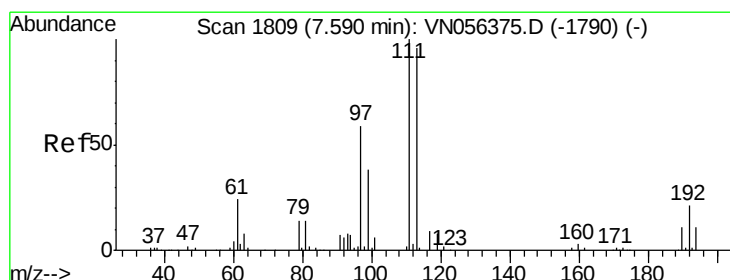
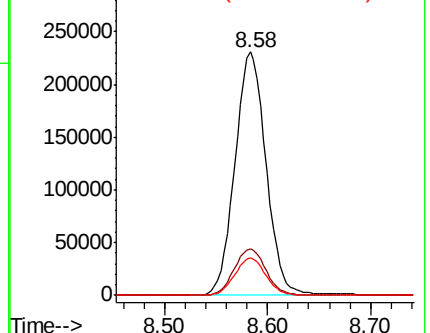
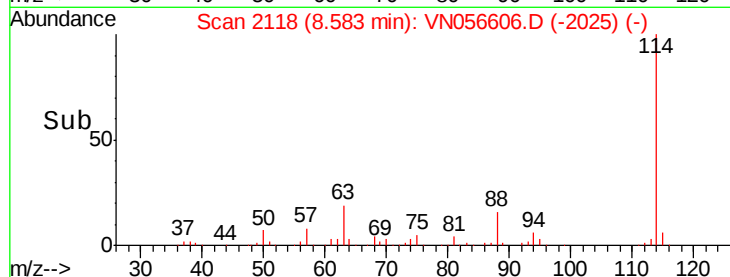
88 15.5 0.0 31.4



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: 49.061 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

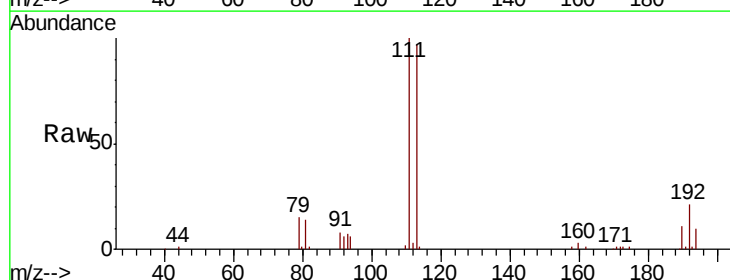
Tgt Ion:113 Resp: 148553

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

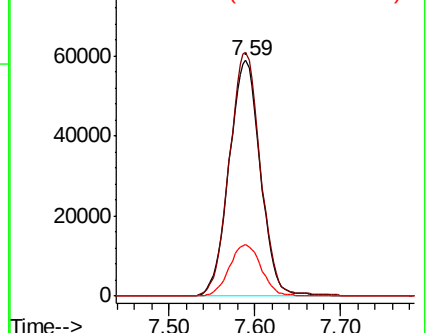
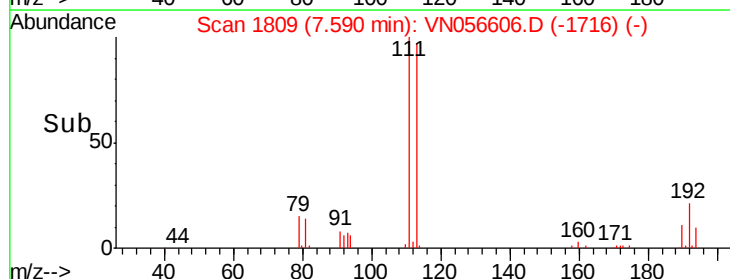
192 22.3 17.7 26.5

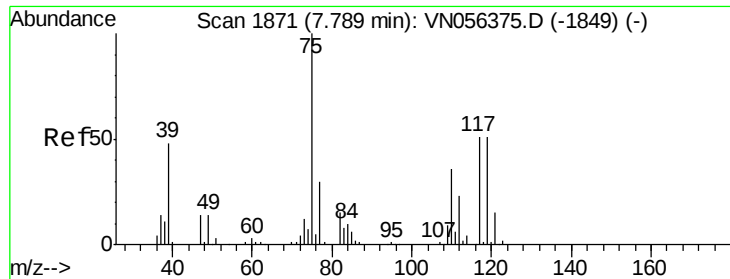


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

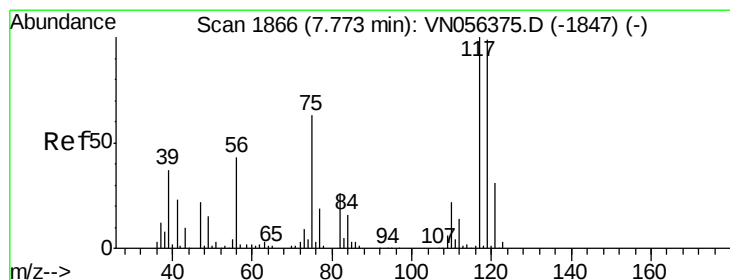
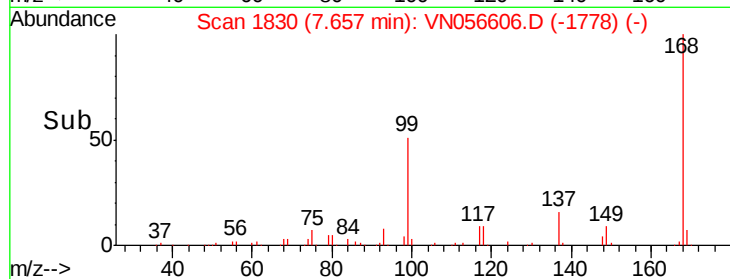
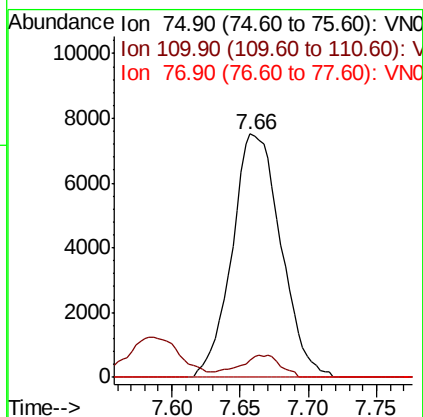
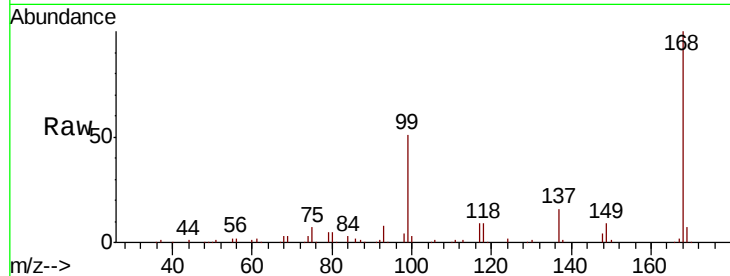




#36
 1,1-Dichloropropene
 Concen: 4.367 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN056606.D
 Acq: 8 Jul 2019 13:44

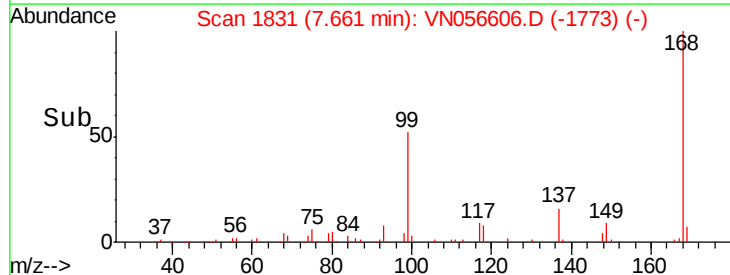
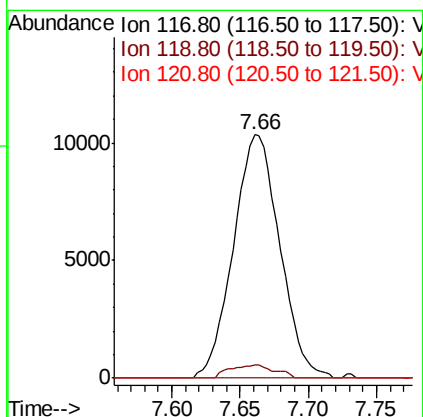
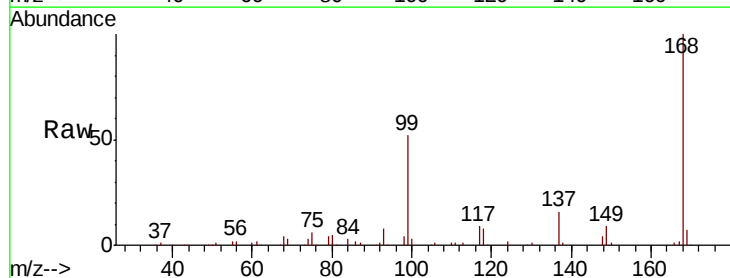
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBL01

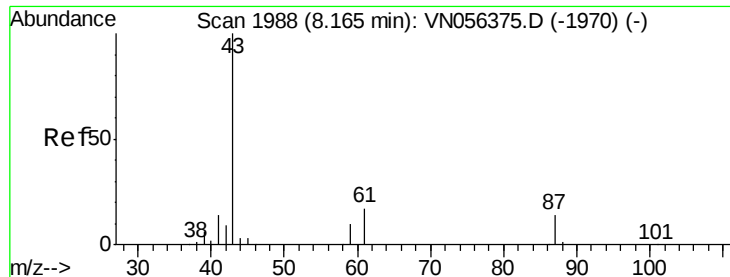
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.1	54.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.531 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056606.D
 Acq: 8 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	79.1	118.7#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 1.238 ug/l

RT: 8.34 min Scan# 2041

Delta R.T. 0.17 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBL01

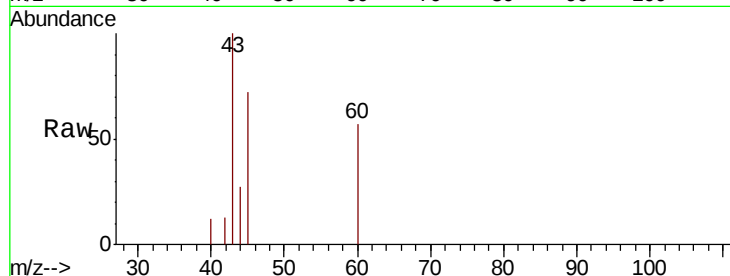
Tot Ion: 43 Resp: 8017

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

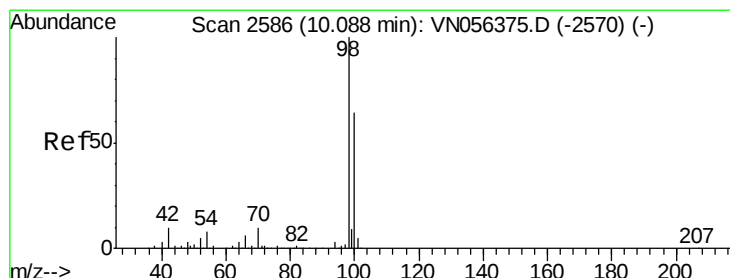
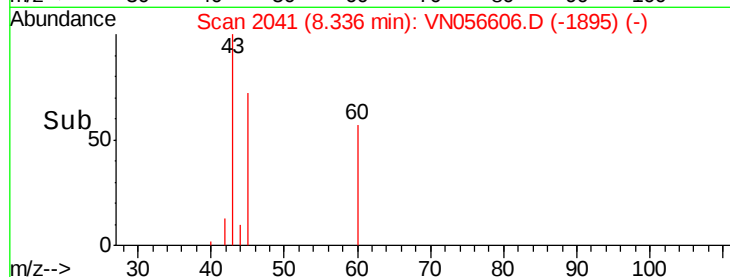
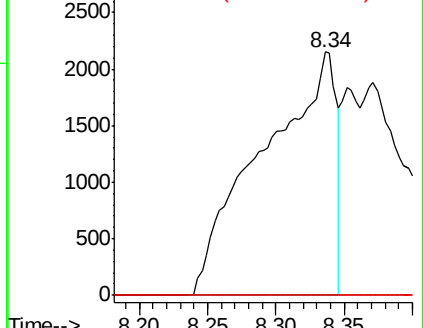
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 50.992 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056606.D

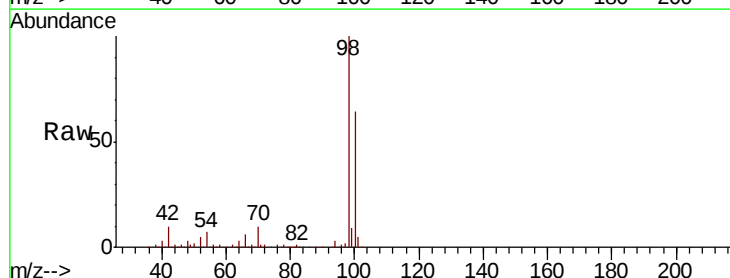
Acq: 8 Jul 2019 13:44

Tgt Ion: 98 Resp: 600780

Ion Ratio Lower Upper

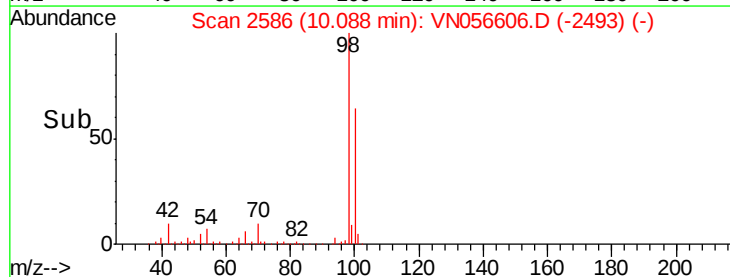
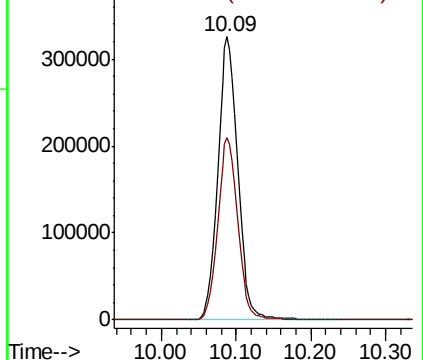
98 100

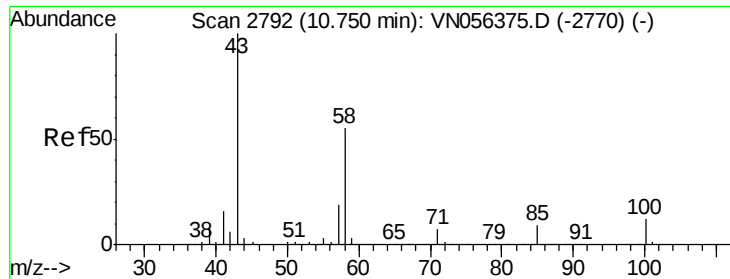
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

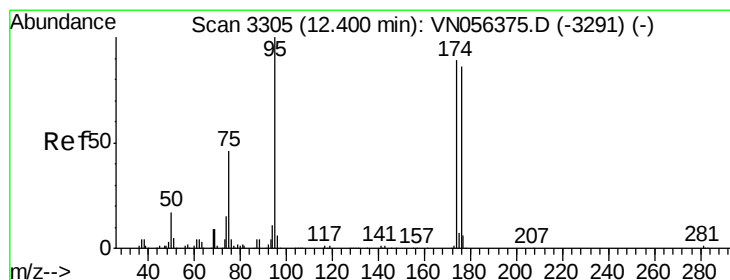
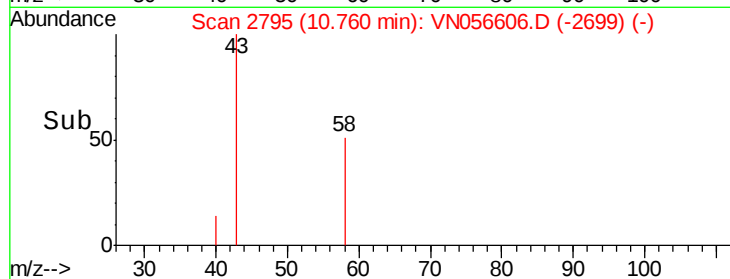
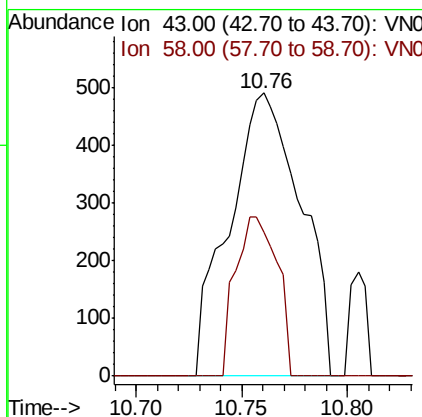
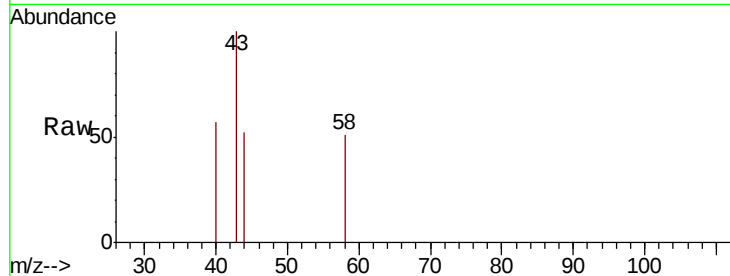




#59
 2-Hexanone
 Concen: 0.378 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN056606.D
 Acq: 8 Jul 2019 13:44

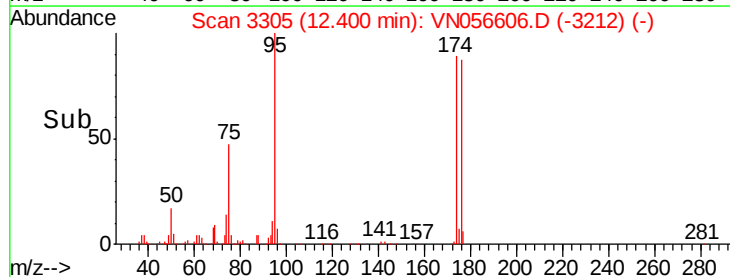
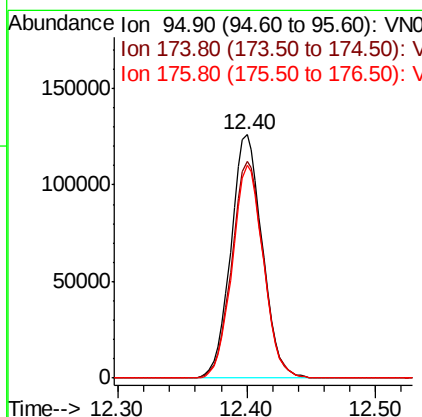
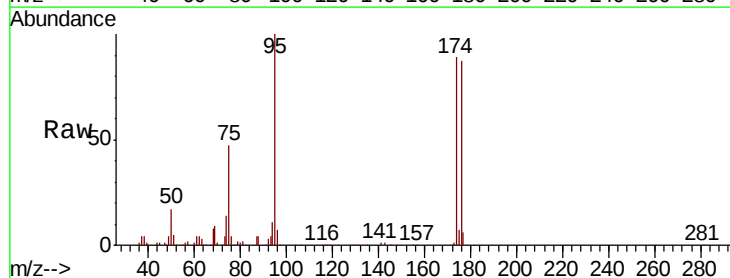
Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBL01

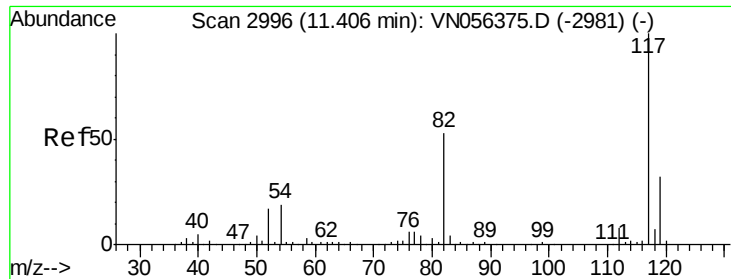
Tot Ion: 43 Resp: 1161
 Ion Ratio Lower Upper
 43 100
 58 32.6 27.8 83.4



#62
 4-Bromofluorobenzene
 Concen: 54.300 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056606.D
 Acq: 8 Jul 2019 13:44

Tgt Ion: 95 Resp: 213269
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 179.4
 176 86.9 0.0 173.4

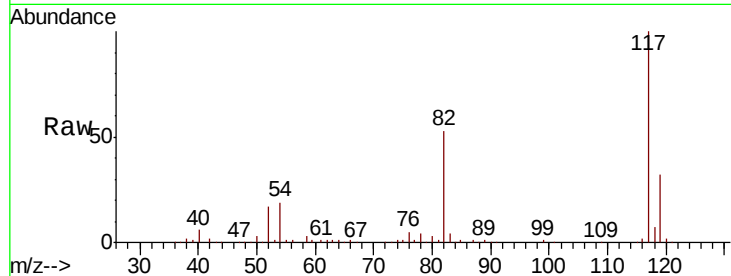




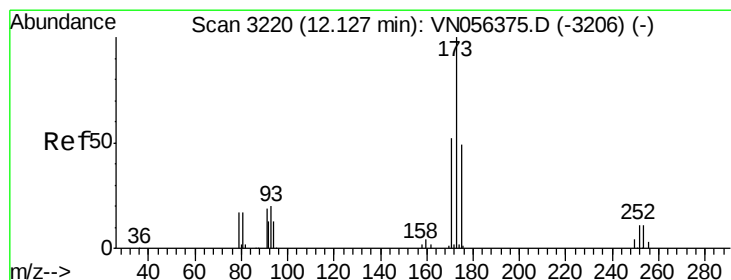
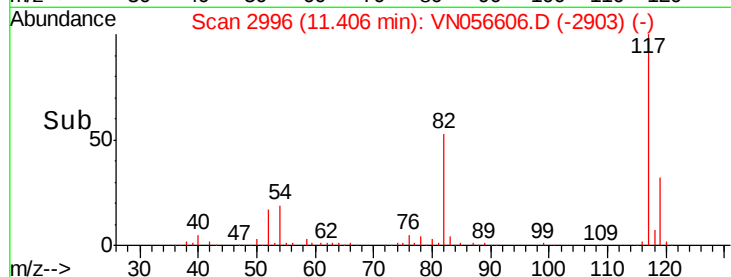
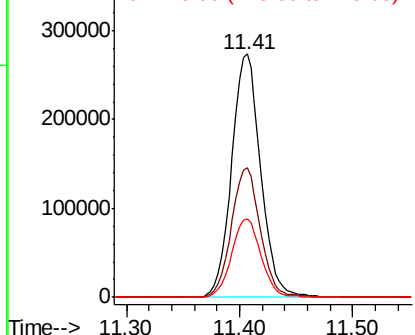
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBL01

Tot Ion:117 Resp: 489457
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 32.2 25.3 37.9

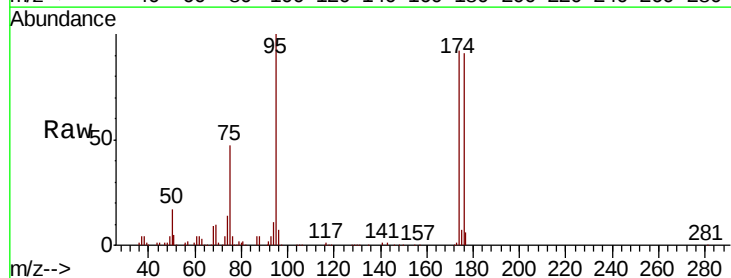


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

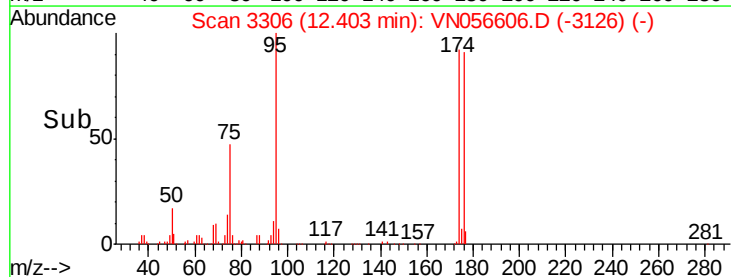
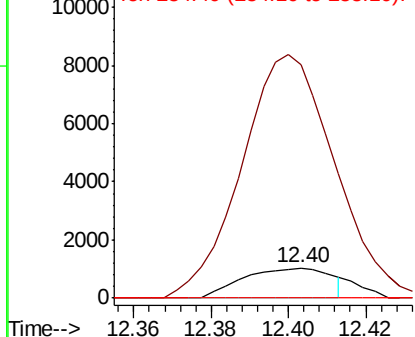


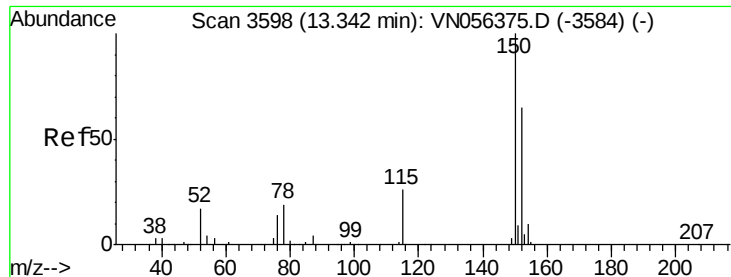
#71
Bromoform
Concen: 3.719 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Tgt Ion:173 Resp: 1650
Ion Ratio Lower Upper
173 100
175 760.7 24.4 73.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



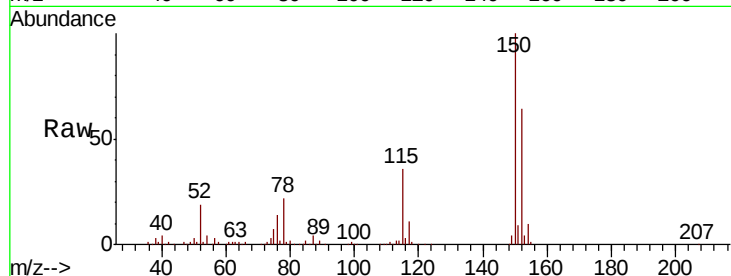


#72

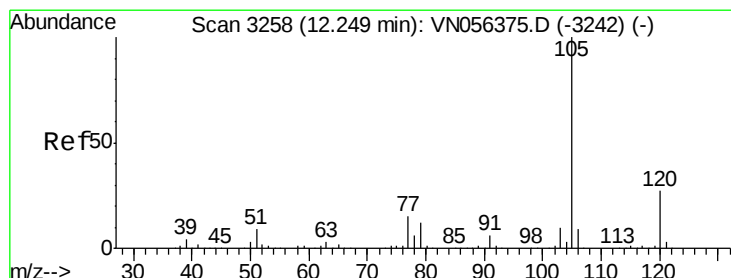
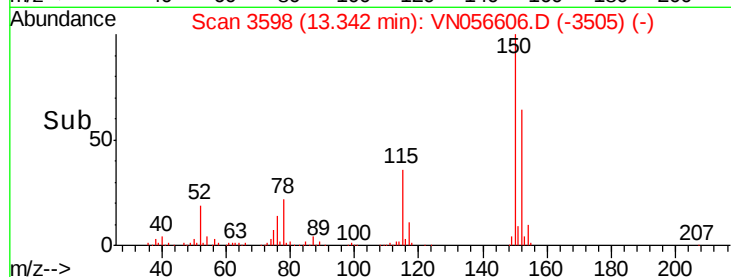
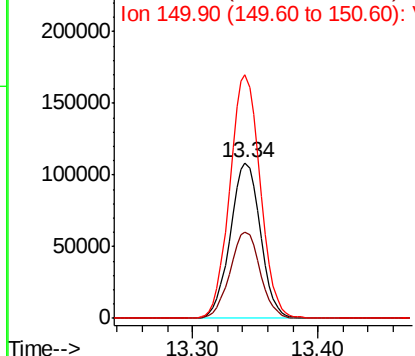
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0708WBL01

Tot Ion:152 Resp: 180859
Ion Ratio Lower Upper
152 100
115 55.8 28.1 84.4
150 157.8 0.0 348.4



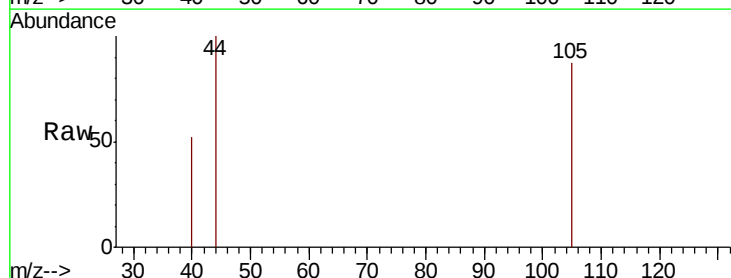
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



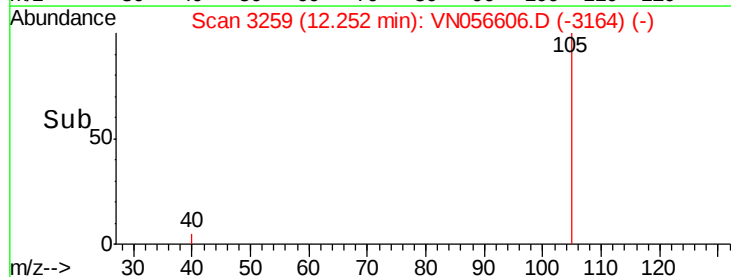
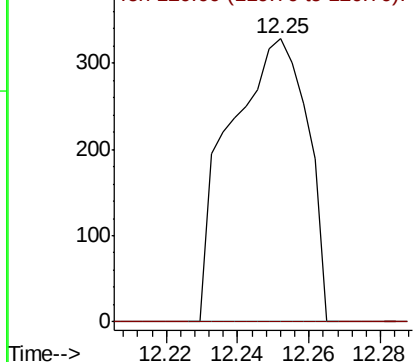
#73

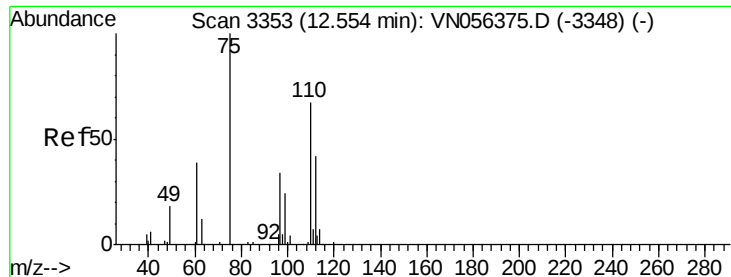
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Tgt Ion:105 Resp: 493
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 26.474 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

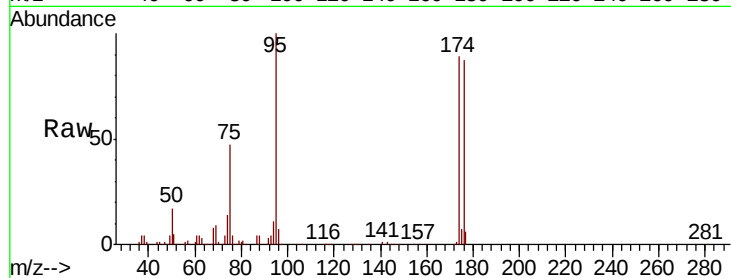
VN0708WBL01

Tot Ion: 75 Resp: 99283

Ion Ratio Lower Upper

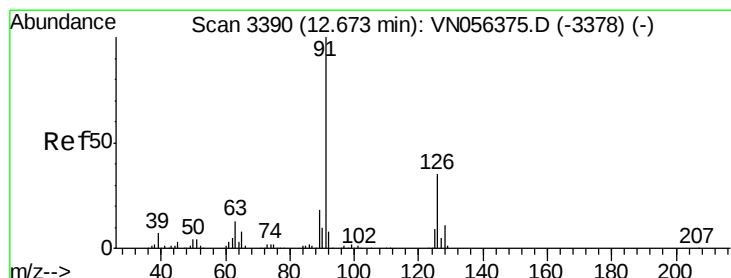
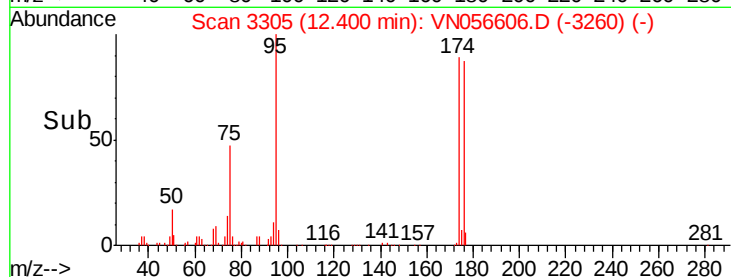
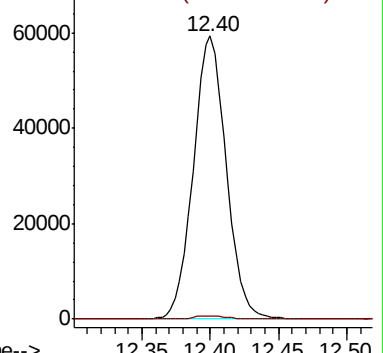
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056606.D

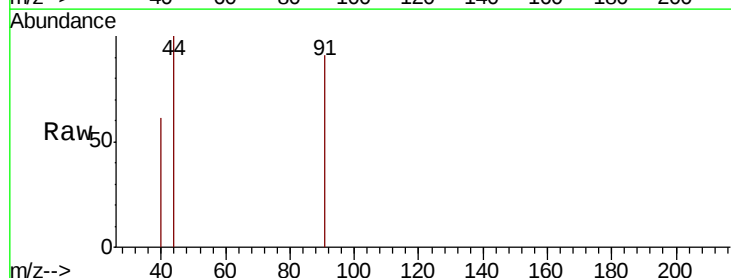
Acq: 8 Jul 2019 13:44

Tgt Ion: 91 Resp: 504

Ion Ratio Lower Upper

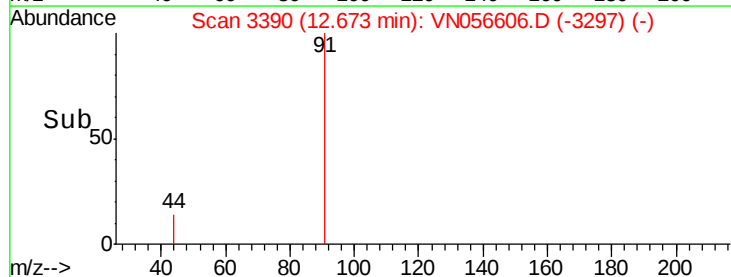
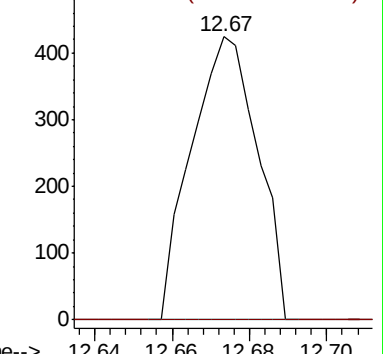
91 100

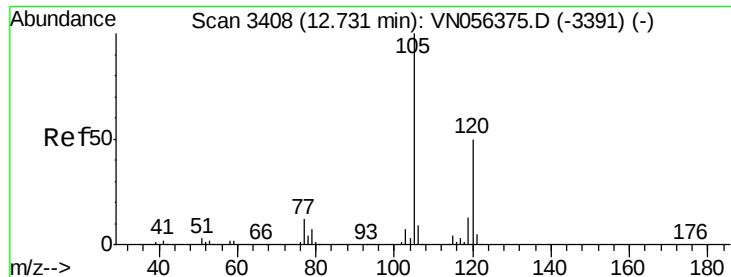
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

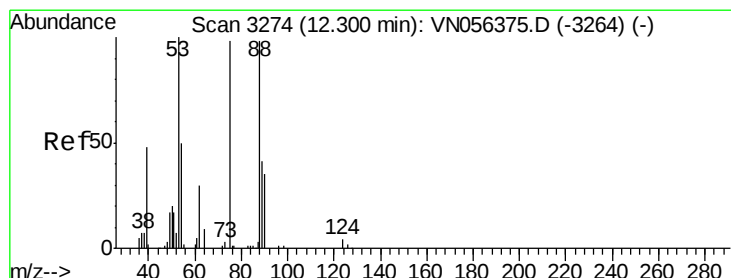
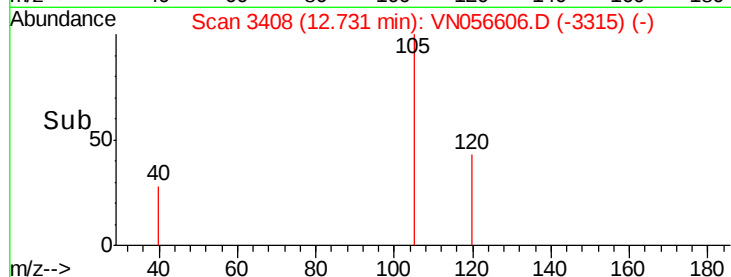
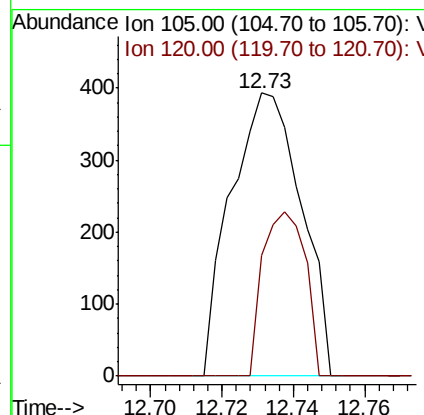
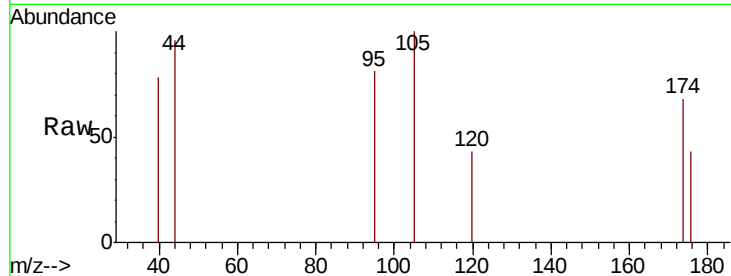




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056606.D
 Acq: 8 Jul 2019 13:44

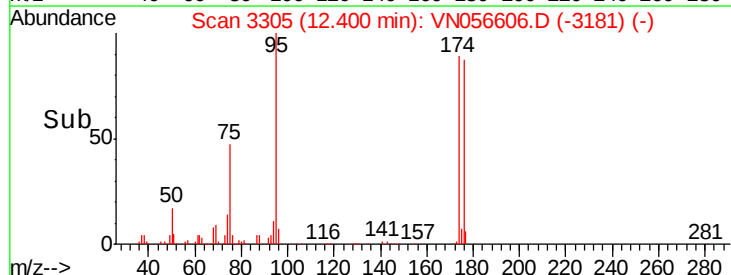
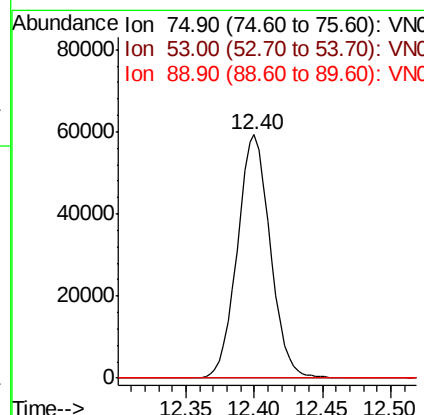
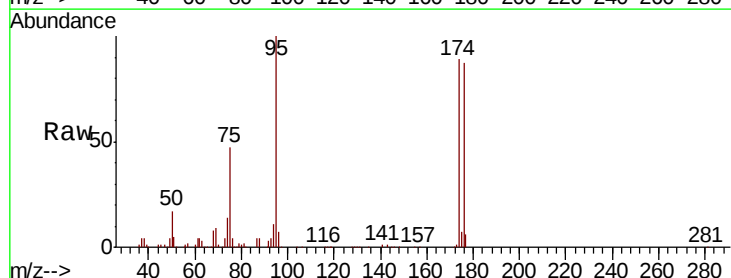
Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBL01

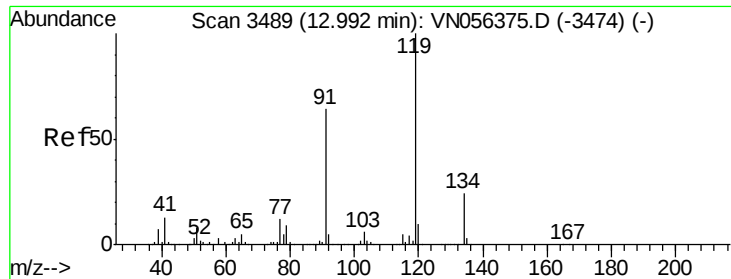
Tot Ion:105 Resp: 536
 Ion Ratio Lower Upper
 105 100
 120 35.1 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.094 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056606.D
 Acq: 8 Jul 2019 13:44

Tgt Ion: 75 Resp: 99283
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 35.0 52.6#

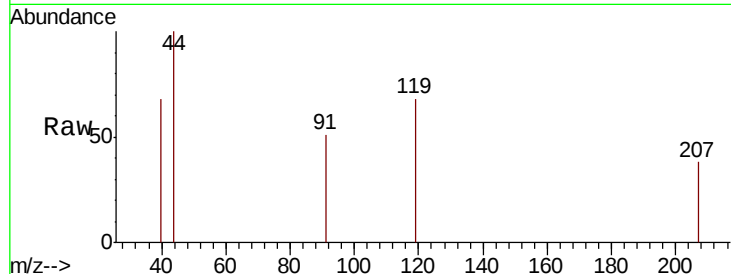




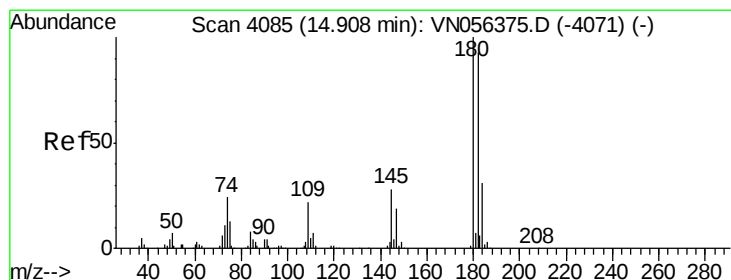
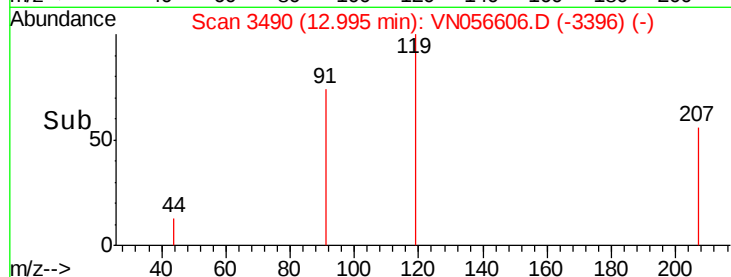
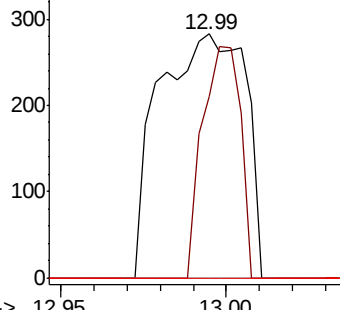
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBL01

Tot Ion:119 Resp: 514
Ion Ratio Lower Upper
119 100
91 41.4 31.6 94.7
134 0.0 13.2 39.5#

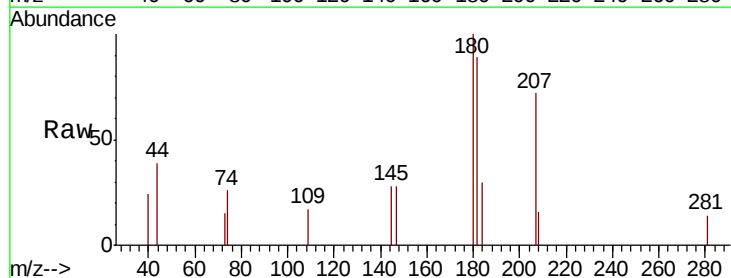


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

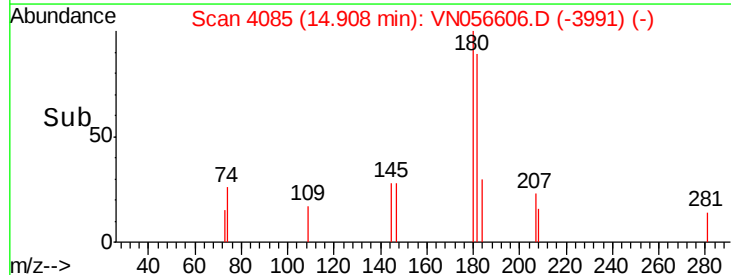
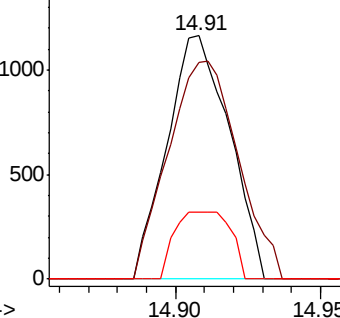


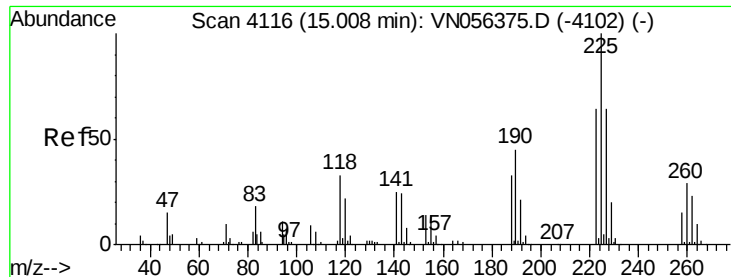
#93
1,2,4-Trichlorobenzene
Concen: 6.100 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056606.D
Acq: 8 Jul 2019 13:44

Tgt Ion:180 Resp: 1735
Ion Ratio Lower Upper
180 100
182 100.6 46.9 140.6
145 24.7 14.4 43.0



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





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBL01

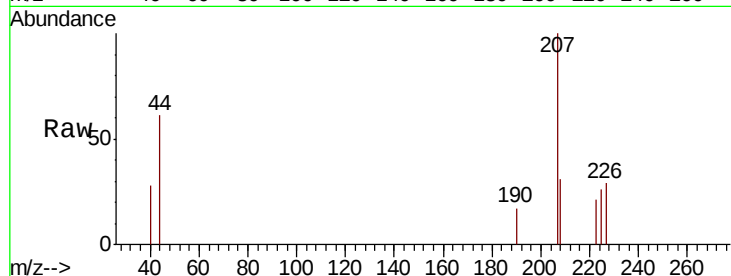
Tot Ion:225 Resp: 236

Ion Ratio Lower Upper

225 100

223 78.8 31.4 94.3

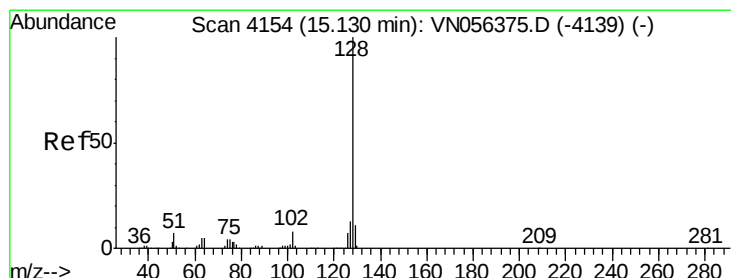
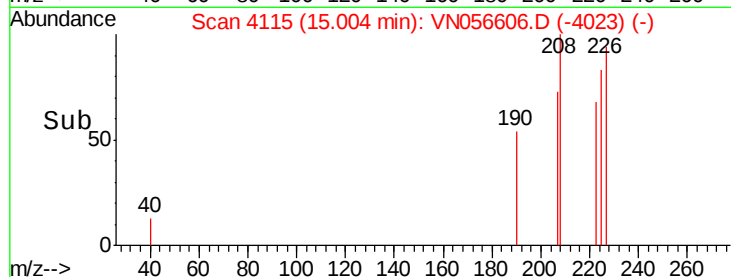
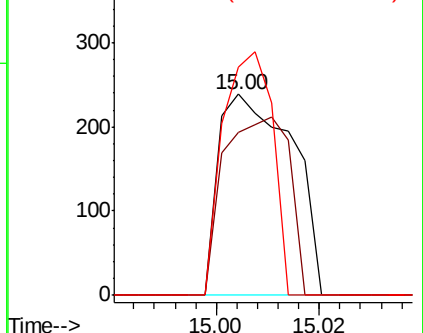
227 80.9 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.766 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056606.D

Acq: 8 Jul 2019 13:44

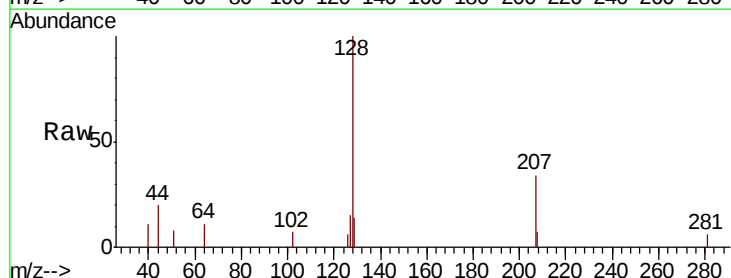
Tgt Ion:128 Resp: 4822

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

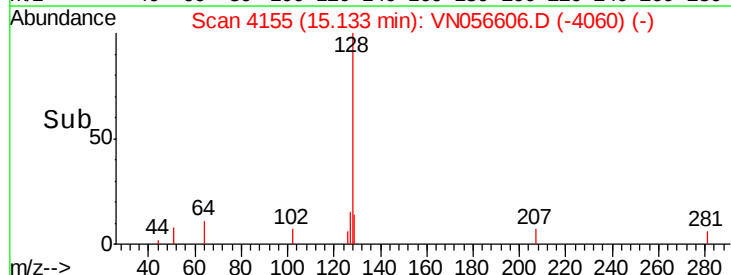
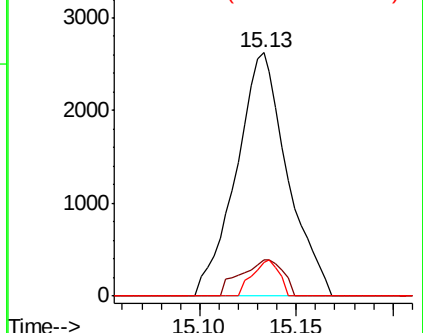
129 7.7 8.6 12.8#

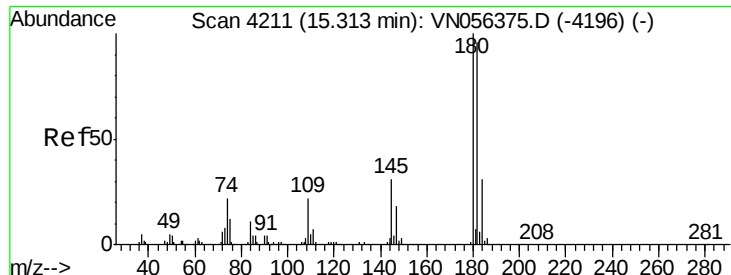


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

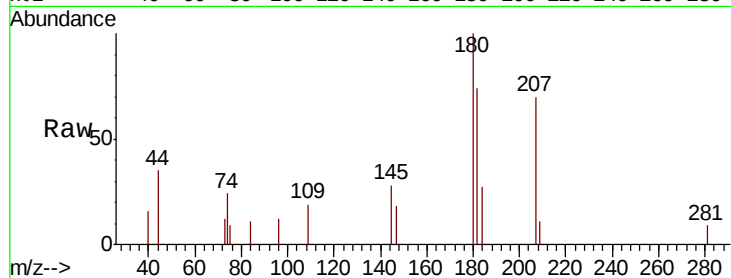




#96
 1,2,3-Trichlorobenzene
 Concen: 5.237 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN056606.D
 Acq: 8 Jul 2019 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBL01

Tot Ion:180 Resp: 2724
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.3 144.8
 145 28.7 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

