

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053895.D
 Acq On : 21 Feb 2019 16:30
 Operator : JC/SP
 Sample : K1538-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-11-A-D

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 10:30:45 AM

Quant Time: Feb 22 02:20:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1036735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1005692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	404429	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	329414	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
35) Dibromofluoromethane	7.59	113	328177	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.46%	
50) Toluene-d8	10.09	98	1275146	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	426022	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	21311	12.193	ug/l	98
20) Methylene Chloride	4.56	84	163399	24.971	ug/l	99
25) 2-Butanone	6.85	43	4119	1.826	ug/l #	82
43) Isopropyl Acetate	8.18	43	27036m	2.667	ug/l	
52) Toluene	10.16	92	36694	2.204	ug/l	100
67) Ethyl Benzene	11.51	91	45771	1.344	ug/l	99
68) m/p-Xylenes	11.62	106	78853	5.978	ug/l	96
69) o-Xylene	11.95	106	31337	2.468	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	57915	2.449	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	180824	7.623	ug/l	98
95) Naphthalene	15.13	128	28399	6.219	ug/l	97

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

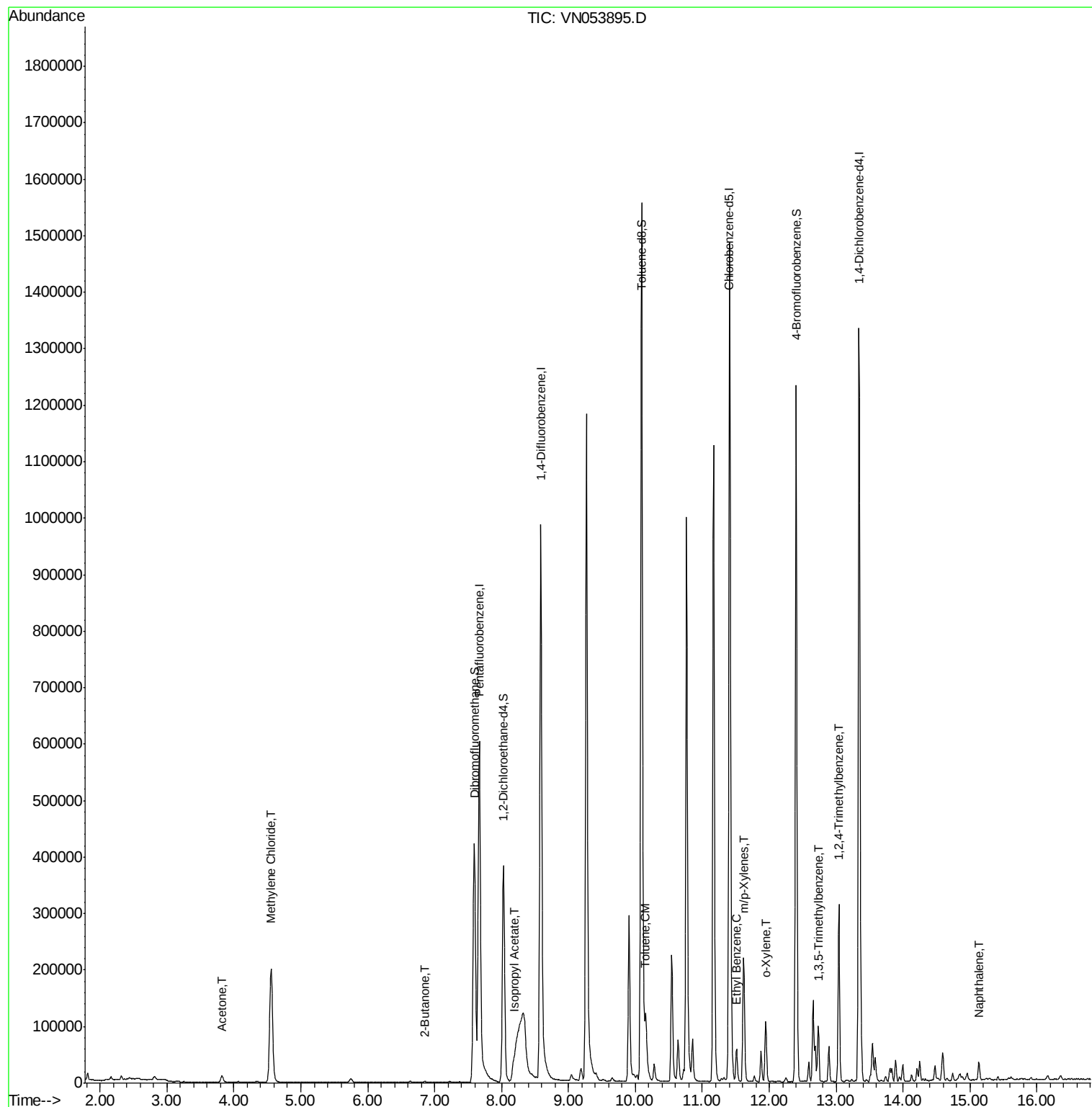
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022119\
Data File : VN053895.D
Acq On : 21 Feb 2019 16:30
Operator : JC/SP
Sample : K1538-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

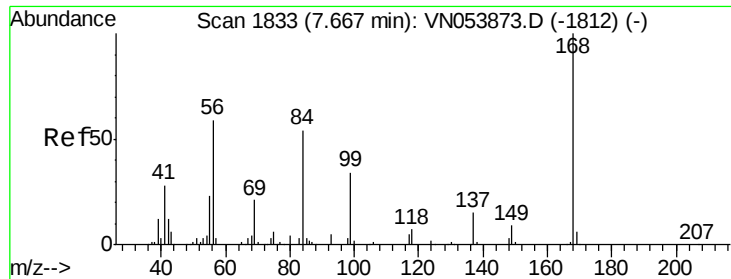
Instrument :
MSVOA_N
ClientSampleId :
M-11-A-D

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:45 AM

Quant Time: Feb 22 02:20:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

M-11-A-D

Tot Ion:168 Resp: 621847

Ion Ratio Lower Upper

168 100

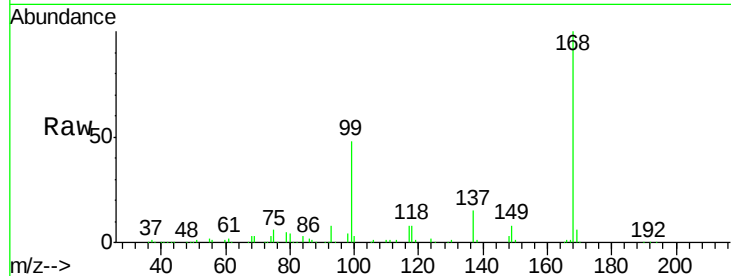
99 48.3 36.9 55.3

Manual Integrations

APPROVED

MMDadoda

2/22/2019 10:30:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

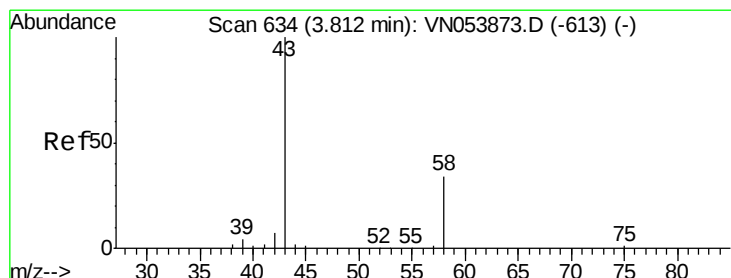
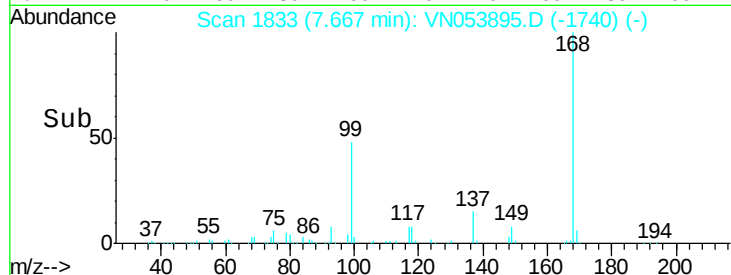
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 12.193 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053895.D

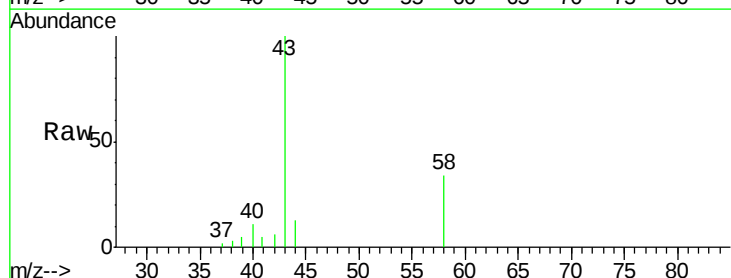
Acq: 21 Feb 2019 16:30

Tgt Ion: 43 Resp: 21311

Ion Ratio Lower Upper

43 100

58 33.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

8000

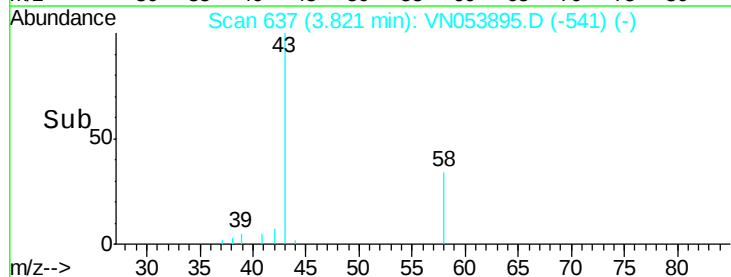
6000

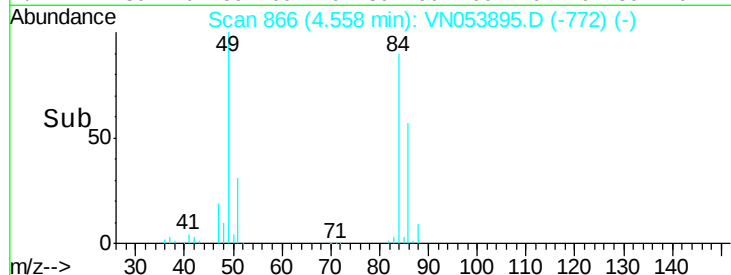
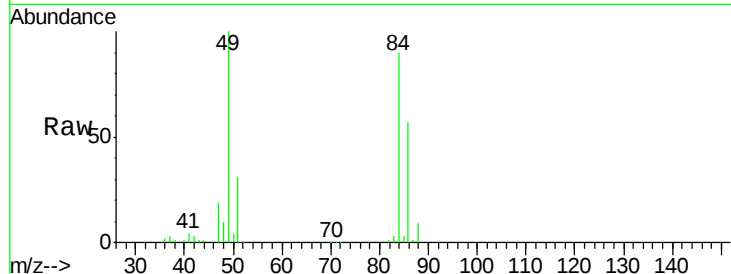
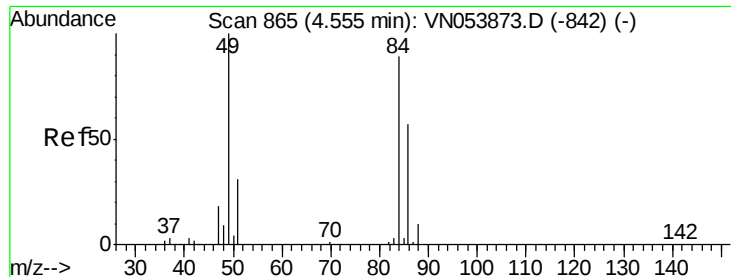
4000

2000

0

Time--> 3.70 3.80 3.90





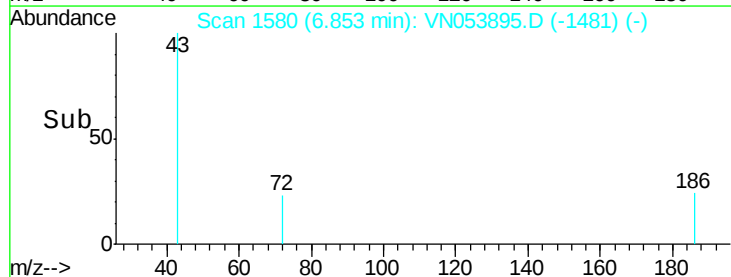
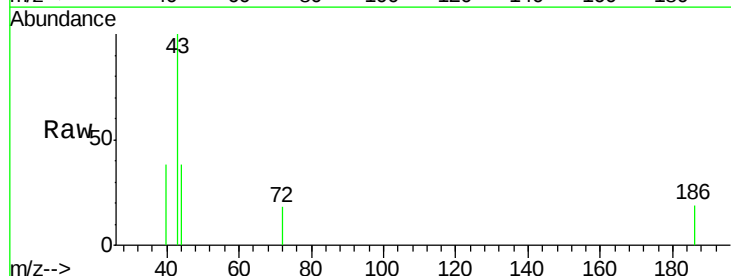
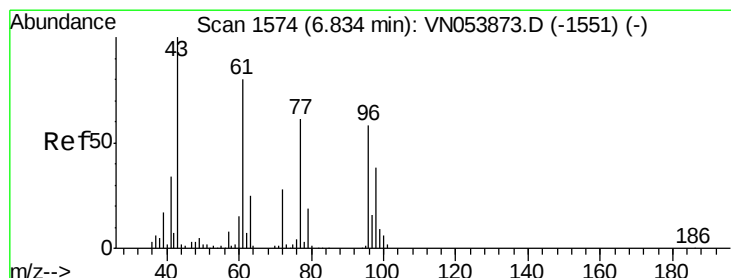
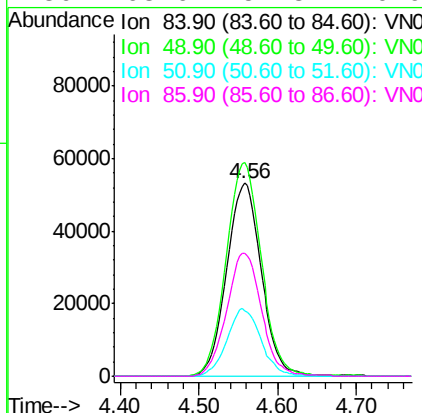
#20
Methvlene Chloride
Concen: 24.971 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tot Ion:	84	Resp:	163399
Ion	Ratio	Lower	Upper
84	100		
49	110.5	89.7	134.5
51	34.2	27.8	41.8
86	63.6	51.3	76.9

Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

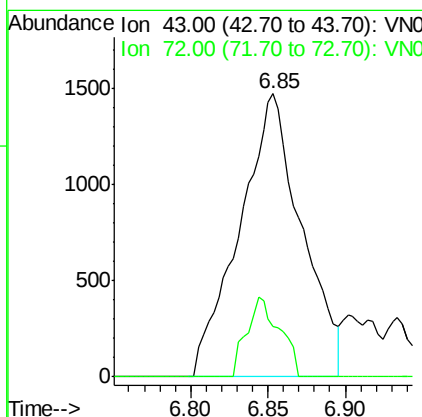
Manual Integrations
APPROVED

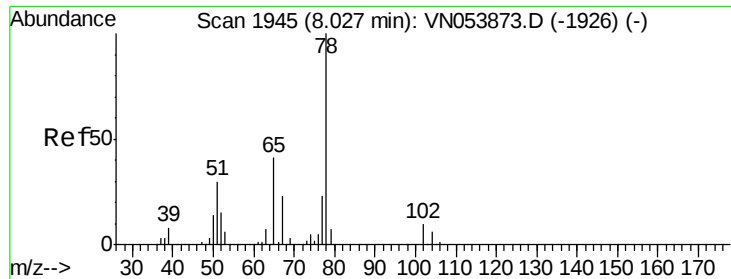
MMDadoda
2/22/2019 10:30:45 AM



#25
2-Butanone
Concen: 1.826 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion:	43	Resp:	4119
Ion	Ratio	Lower	Upper
43	100		
72	18.0	22.1	33.1#





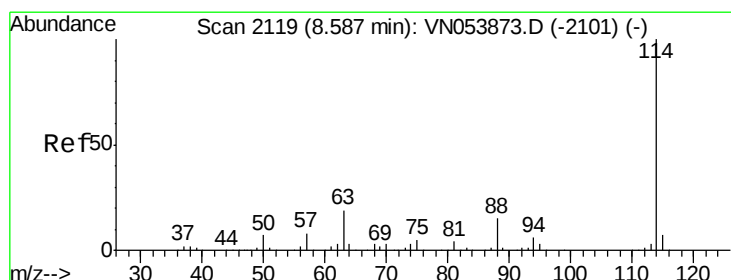
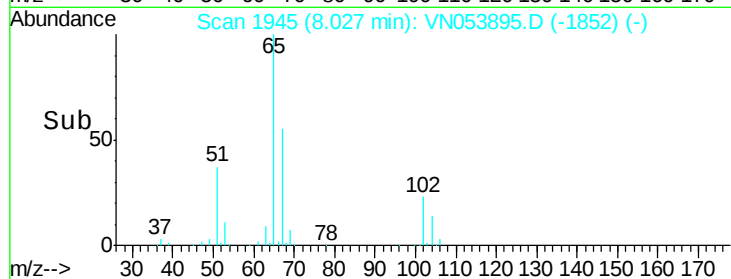
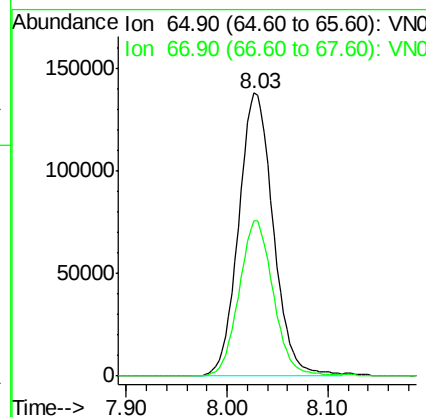
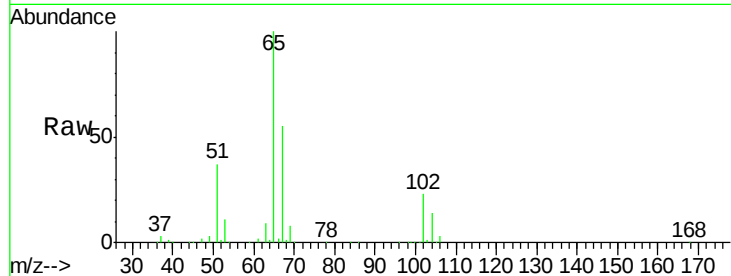
#33
 1,2-Dichloroethane-d4
 Concen: 51.834 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 M-11-A-D

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	111.8	

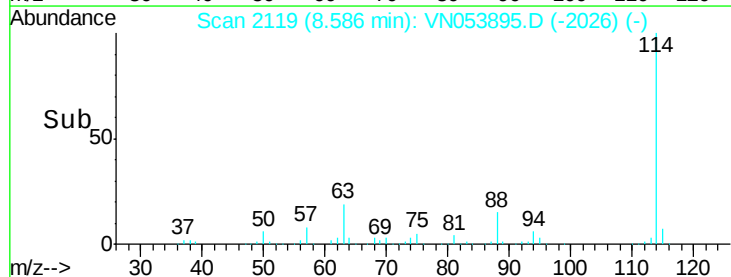
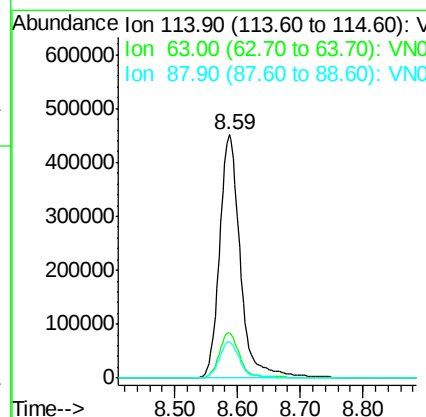
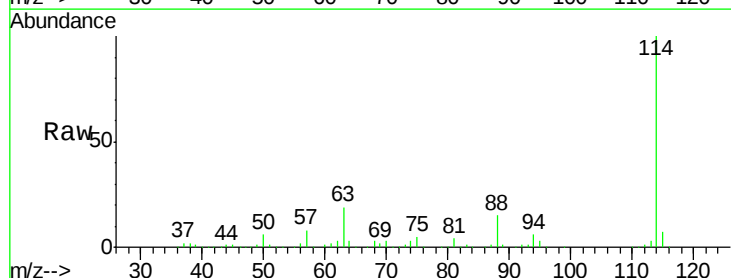
Manual Integrations
 APPROVED

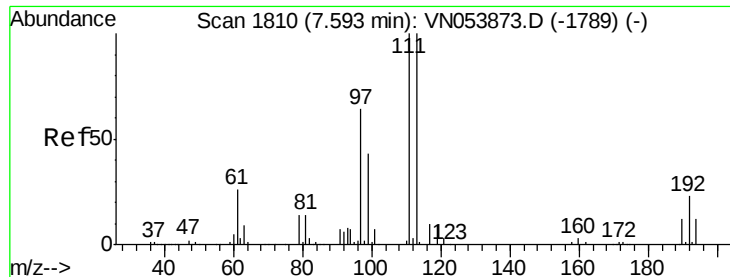
MMDadoda
 2/22/2019 10:30:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	37.4	
88	14.9	0.0	30.4	





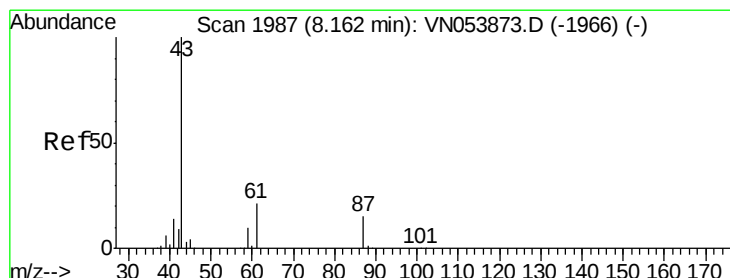
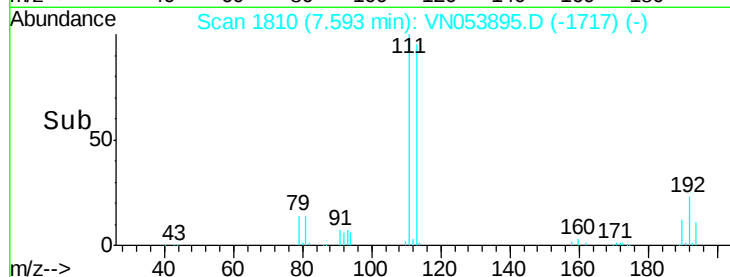
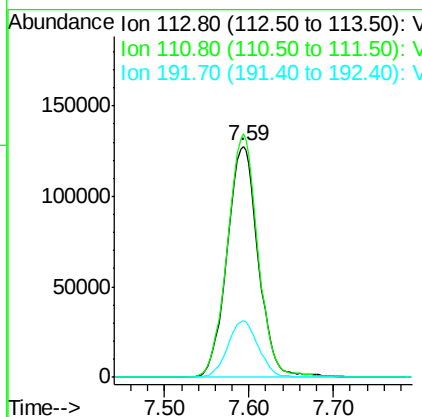
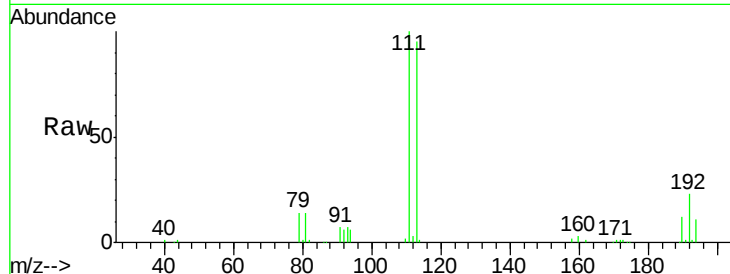
#35
 Dibromofluoromethane
 Concen: 48.234 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 M-11-A-D

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	81.1	121.7	
192	24.3	18.8	28.2	

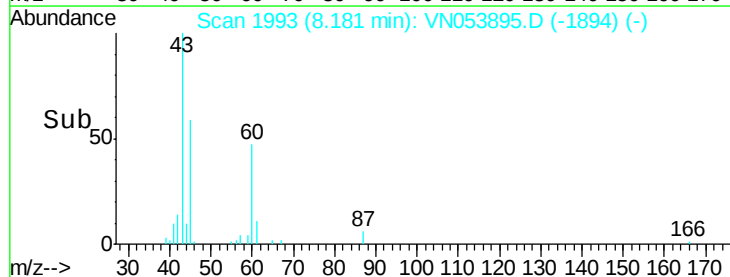
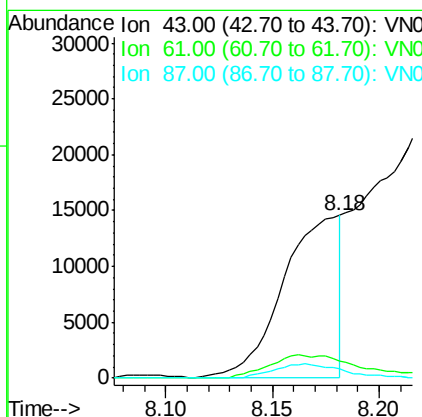
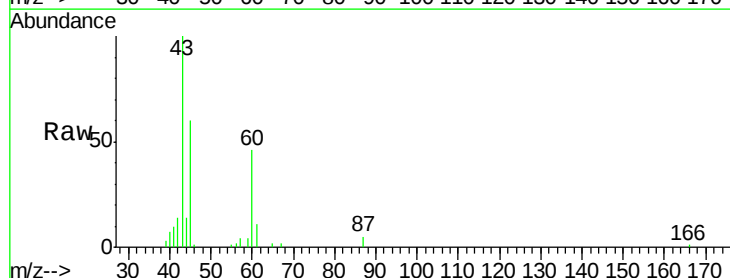
Manual Integrations
 APPROVED

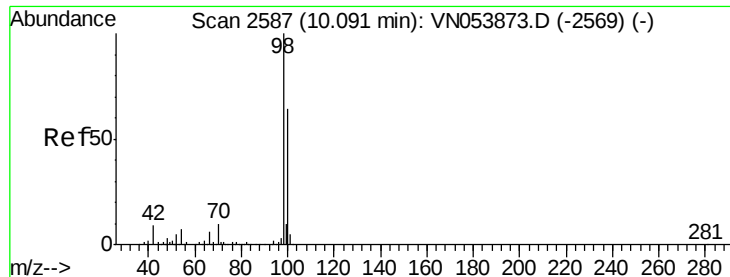
MMDadoda
 2/22/2019 10:30:45 AM



#43
 Isopropyl Acetate
 Concen: 2.667 ug/l m
 RT: 8.18 min Scan# 1993
 Delta R.T. 0.02 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	0.0	17.4	26.0#	
87	0.0	11.5	17.3#	





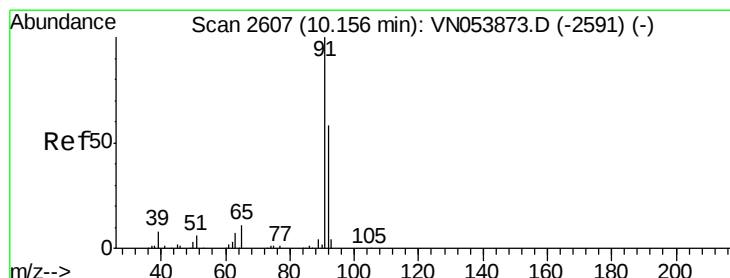
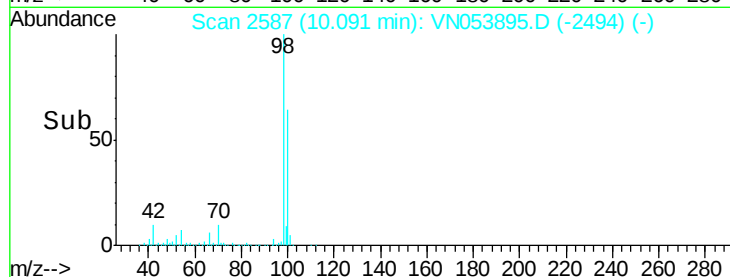
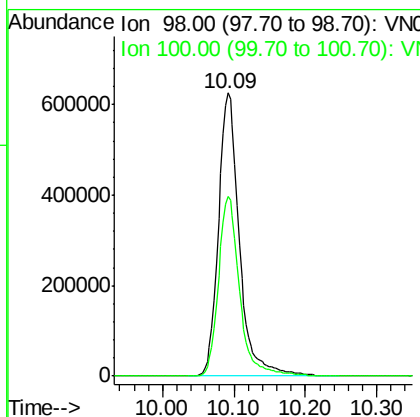
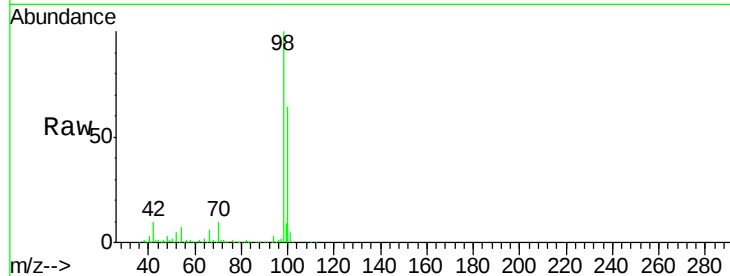
#50
Toluene-d8
Concen: 51.890 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
M-11-A-D

Tot Ion: 98 Resp: 1275146
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

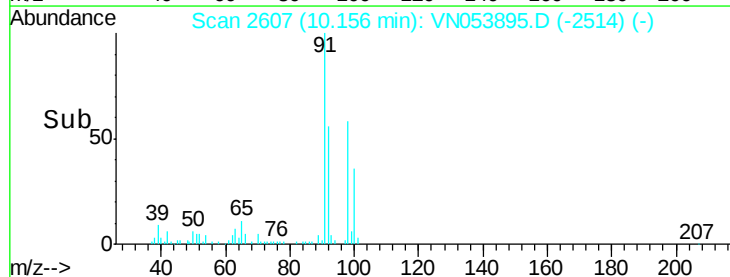
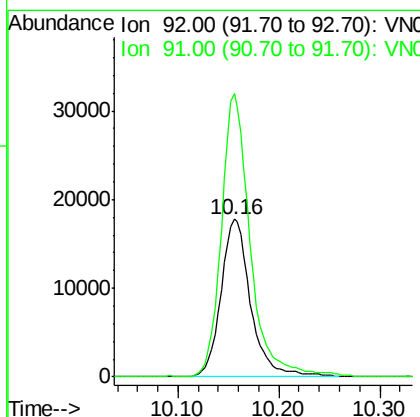
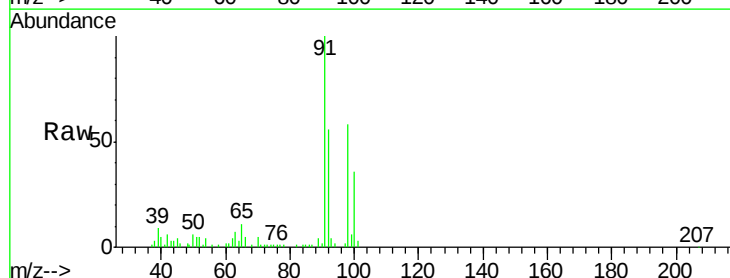
Manual Integrations
APPROVED

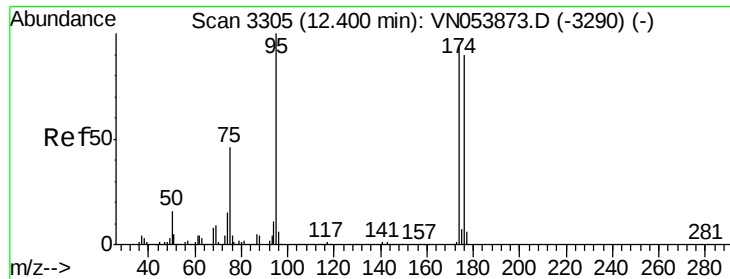
MMDadoda
2/22/2019 10:30:45 AM



#52
Toluene
Concen: 2.204 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion: 92 Resp: 36694
Ion Ratio Lower Upper
92 100
91 172.9 138.4 207.6





#62

4-Bromofluorobenzene

Concen: 52.512 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Instrument :

MSVOA_N

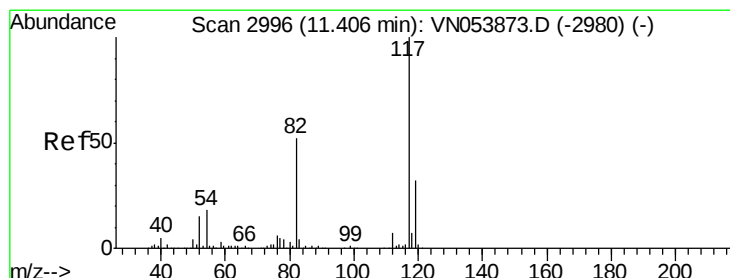
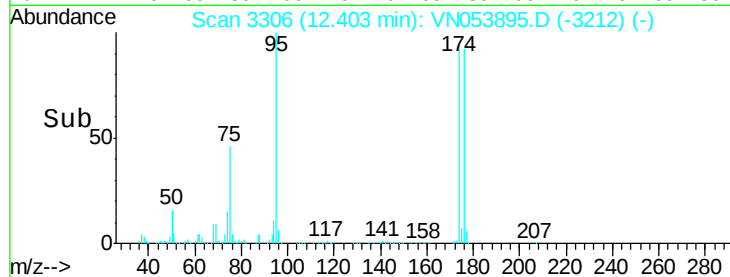
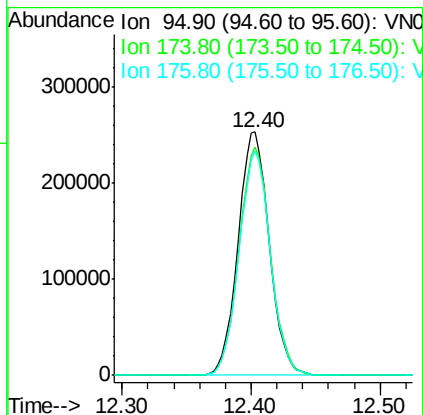
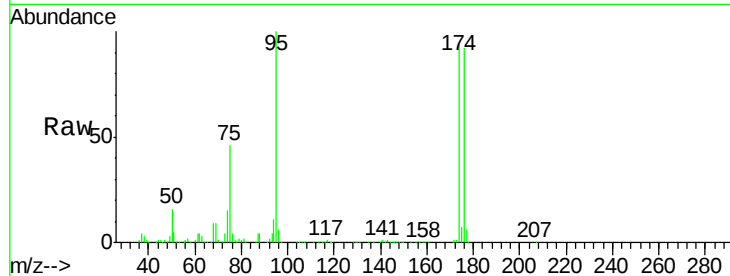
ClientSampleId :

M-11-A-D

Tot Ion:	95	Resp:	426022
Ion Ratio	Lower	Upper	
95	100		
174	94.6	0.0	188.8
176	92.0	0.0	182.6

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:45 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

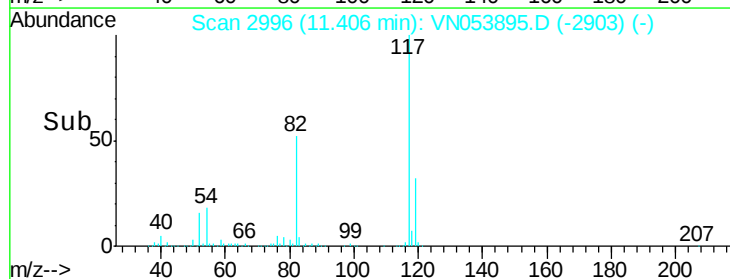
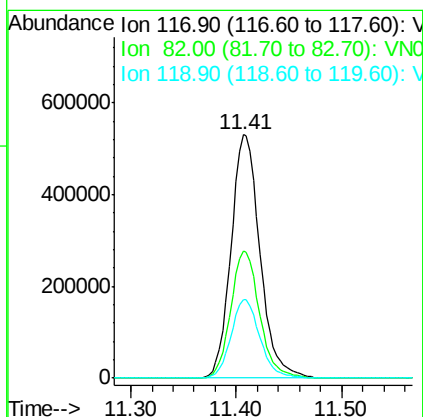
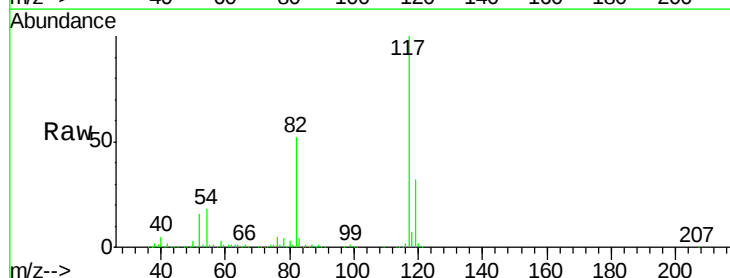
RT: 11.41 min Scan# 2996

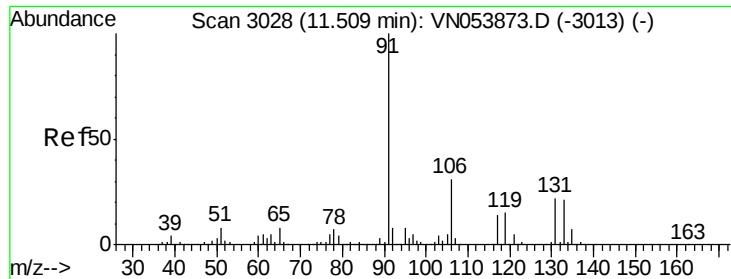
Delta R.T. -0.00 min

Lab File: VN053895.D

Acq: 21 Feb 2019 16:30

Tgt Ion:	117	Resp:	1005692
Ion Ratio	Lower	Upper	
117	100		
82	52.1	41.4	62.2
119	32.4	25.3	37.9





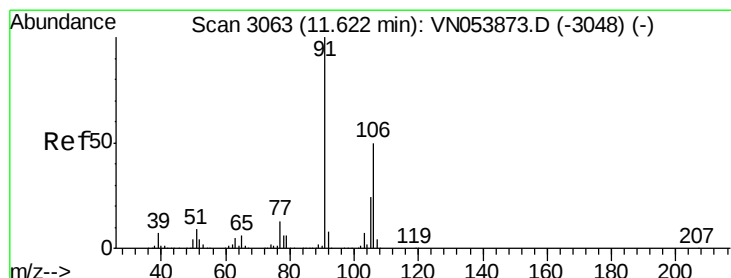
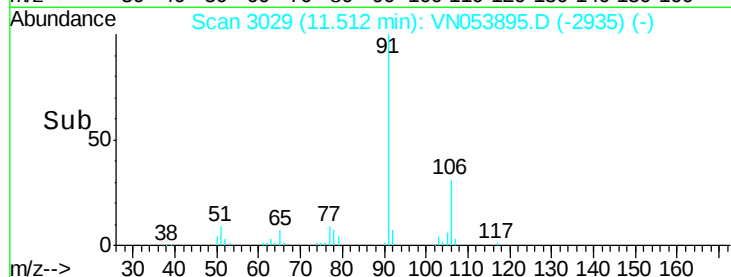
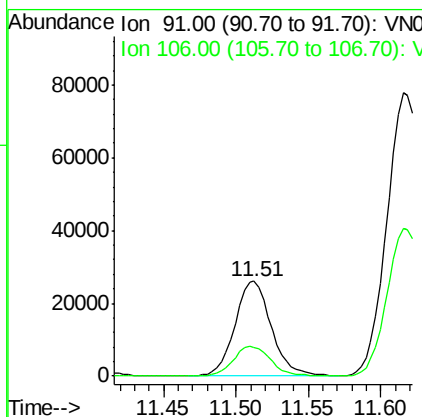
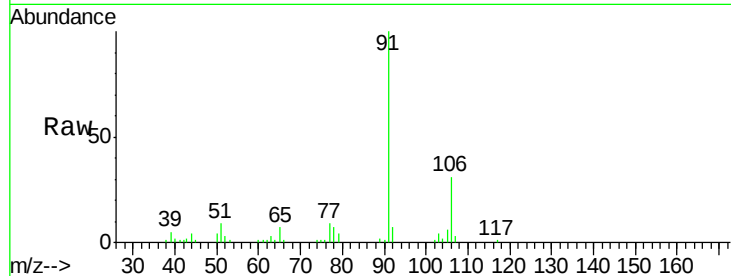
#67
Ethyl Benzene
Concen: 1.344 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

Tot Ion: 91 Resp: 45771
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8

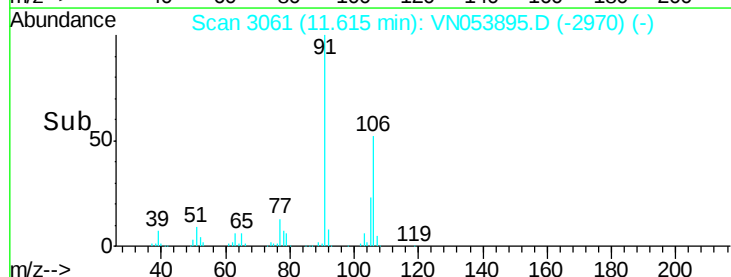
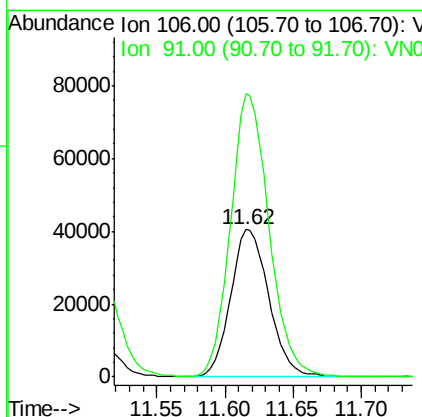
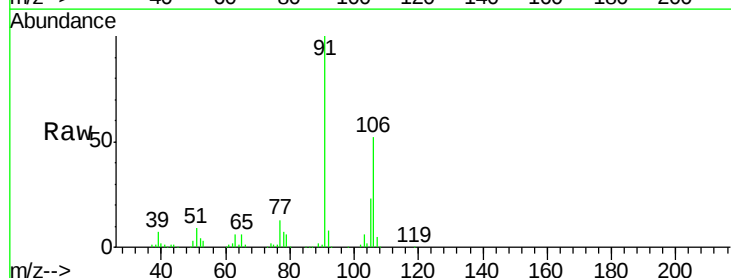
Manual Integrations
APPROVED

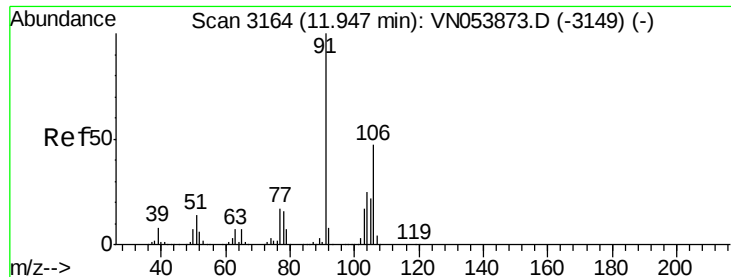
MMDadoda
2/22/2019 10:30:45 AM



#68
m/p-Xylenes
Concen: 5.978 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion: 106 Resp: 78853
Ion Ratio Lower Upper
106 100
91 193.1 158.9 238.3





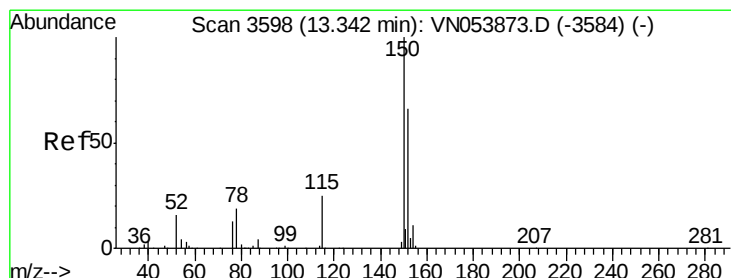
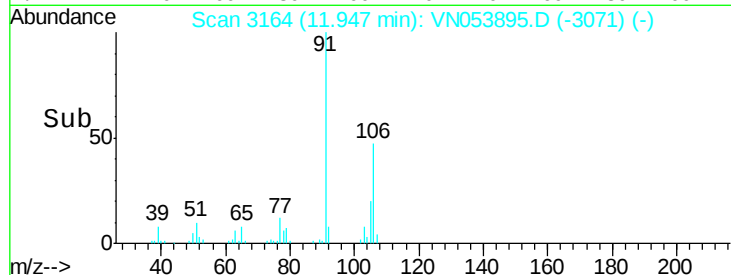
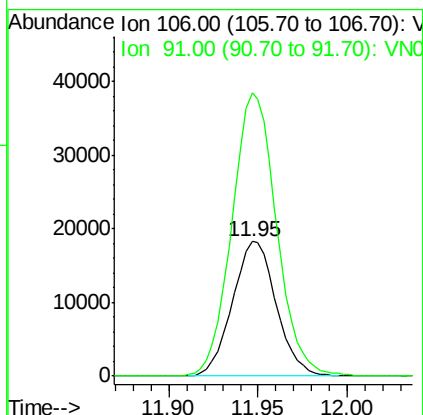
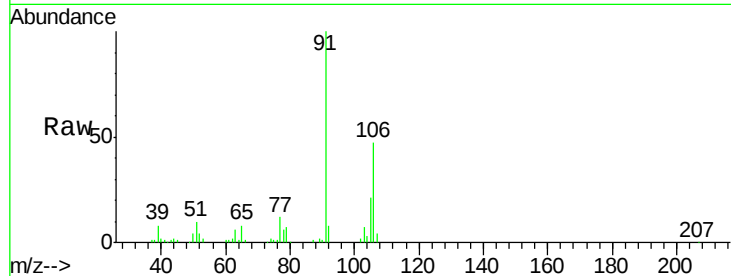
#69
o-Xylene
Concen: 2.468 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Instrument :
MSVOA_N
ClientSampled :
M-11-A-D

Tot Ion:106 Resp: 31337
Ion Ratio Lower Upper
106 100
91 214.2 106.0 318.0

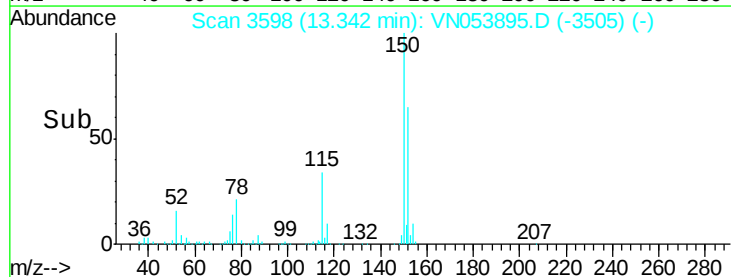
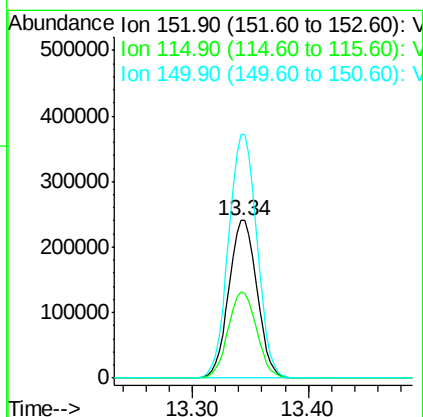
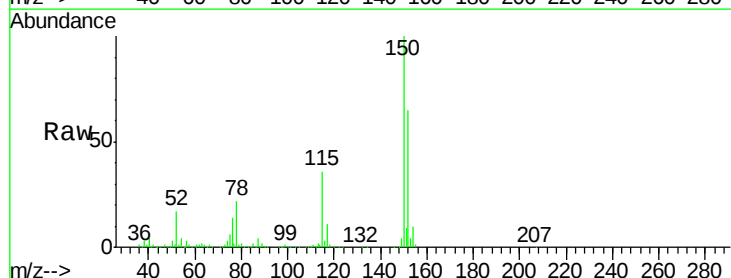
Manual Integrations
APPROVED

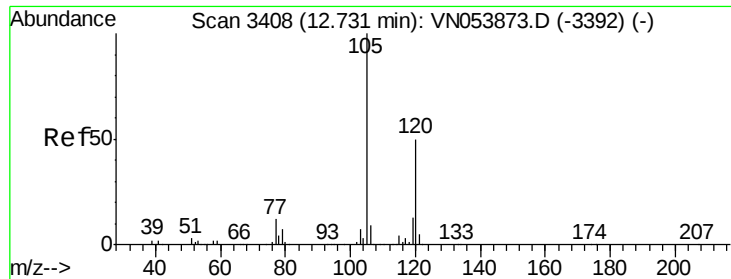
MMDadoda
2/22/2019 10:30:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Tgt Ion:152 Resp: 404429
Ion Ratio Lower Upper
152 100
115 55.7 27.2 81.6
150 155.7 0.0 348.2





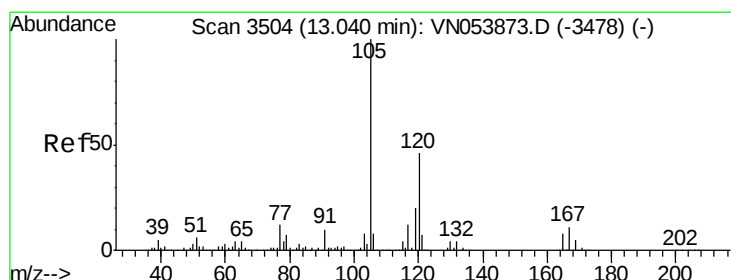
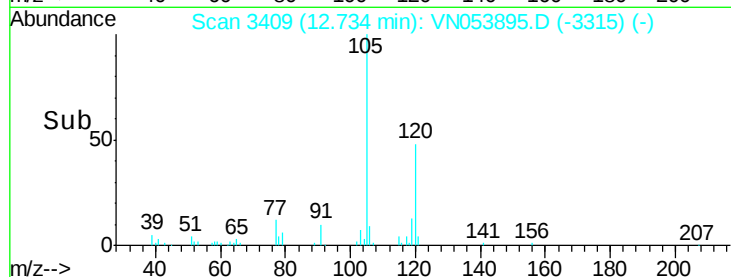
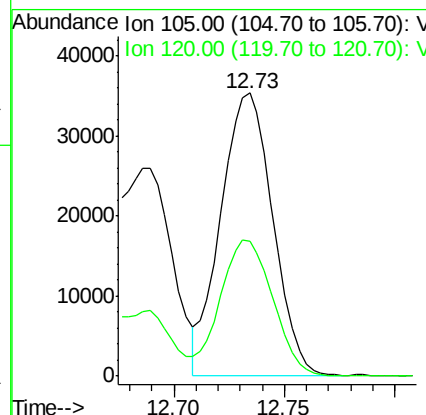
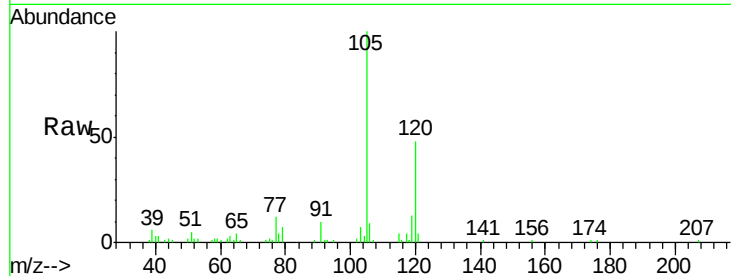
#80
 1,3,5-Trimethylbenzene
 Concen: 2.449 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Instrument :
 MSVOA_N
 ClientSampled :
 M-11-A-D

Tot Ion:105 Resp: 57915
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.1 75.2

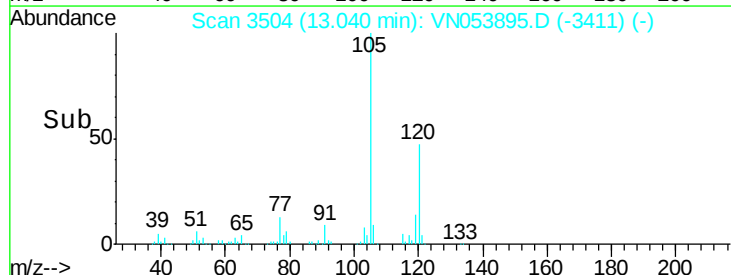
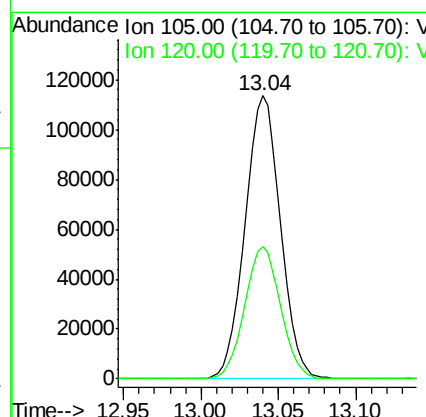
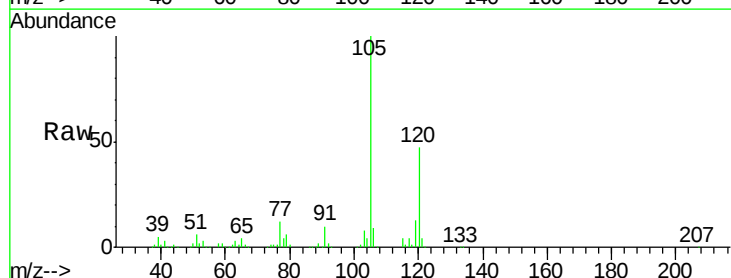
Manual Integrations
 APPROVED

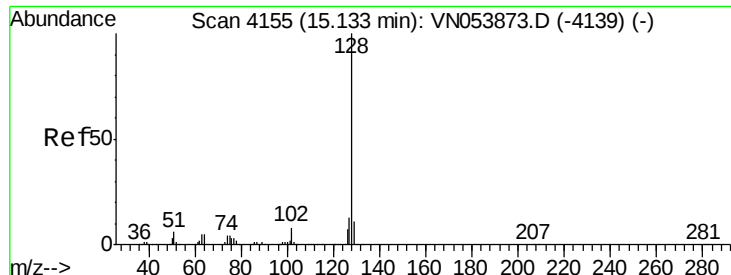
MMDadoda
 2/22/2019 10:30:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 7.623 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053895.D
 Acq: 21 Feb 2019 16:30

Tgt Ion:105 Resp: 180824
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.2 69.5





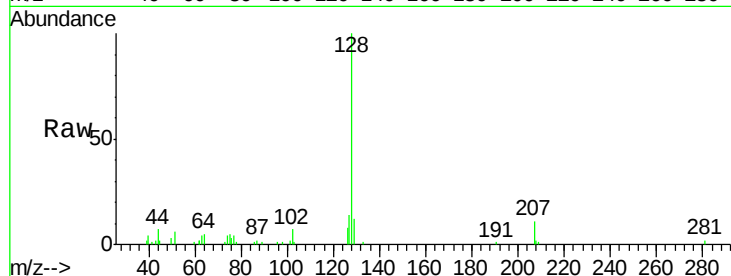
#95
Naphthalene
Concen: 6.219 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053895.D
Acq: 21 Feb 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
M-11-A-D

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	12.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:45 AM



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

