

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057976.D
 Acq On : 12 Sep 2019 18:14
 Operator : JC/SP
 Sample : K4859-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-GW507-K-091119

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:09:45 PM

Quant Time: Sep 13 06:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	243340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	411379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	370310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	200955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	285641	57.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.92%	
35) Dibromofluoromethane	7.58	113	200861	52.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.80%	
50) Toluene-d8	10.09	98	747511	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.41	95	254284	45.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.52%	
Target Compounds						
16) Acetone	3.81	43	130819	80.967	ug/l	100
18) Methyl Acetate	4.31	43	8732	2.027	ug/l #	75
25) 2-Butanone	6.83	43	18290	7.821	ug/l	97
30) Chloroform	7.36	83	54756	8.058	ug/l	99
40) Benzene	8.03	78	7940	0.553	ug/l	97
44) Trichloroethene	8.82	130	2456m	0.697	ug/l	
52) Toluene	10.15	92	7347	0.812	ug/l	92
64) Tetrachloroethene	10.63	164	35071	12.827	ug/l	95
67) Ethyl Benzene	11.51	91	9124	0.537	ug/l	92
68) m/p-Xylenes	11.62	106	5173	0.831	ug/l	99
69) o-Xylene	11.95	106	18285	2.956	ug/l	95
95) Naphthalene	15.13	128	62674	3.878	ug/l	97

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

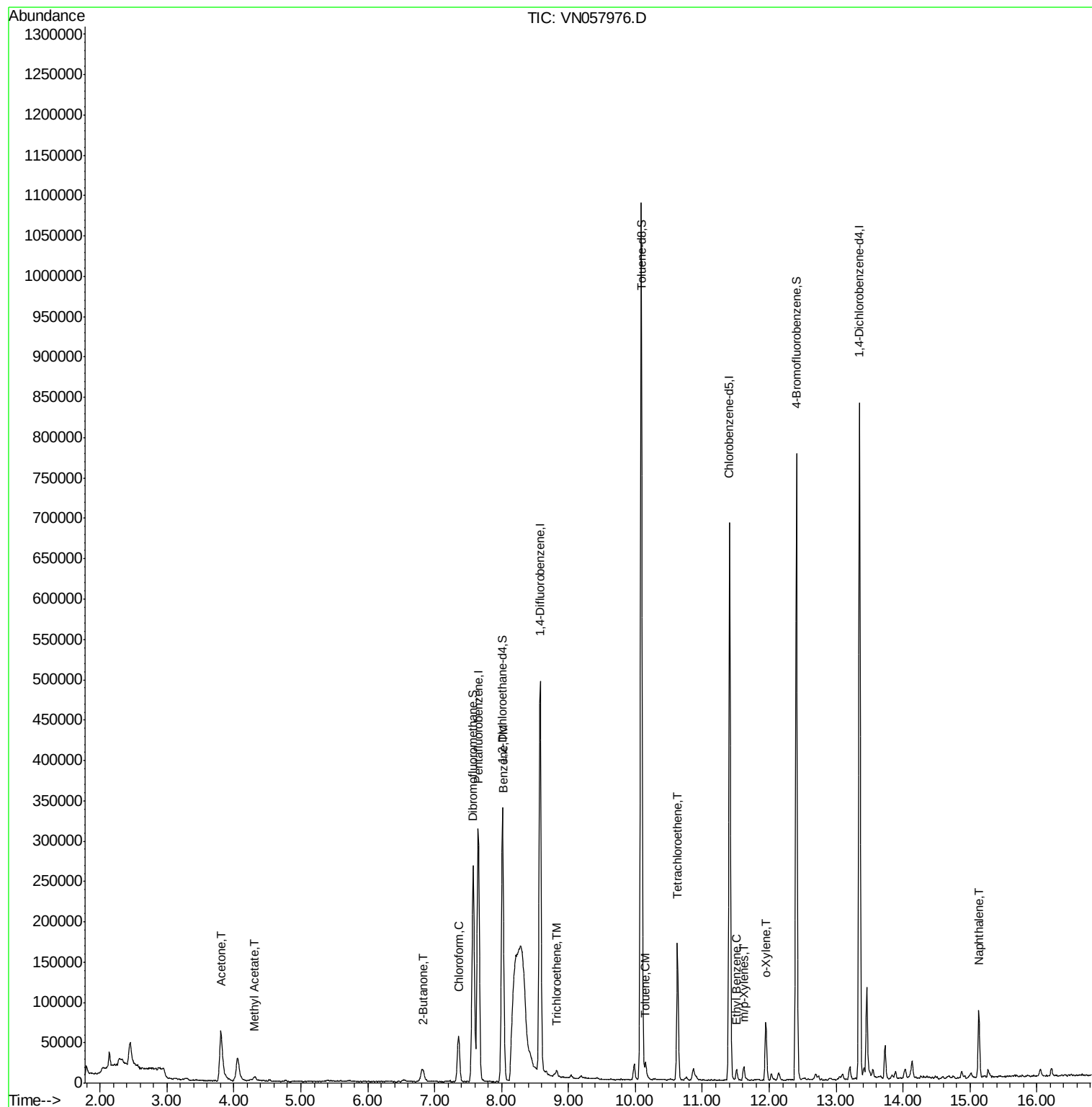
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091319\
Data File : VN057976.D
Acq On : 12 Sep 2019 18:14
Operator : JC/SP
Sample : K4859-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

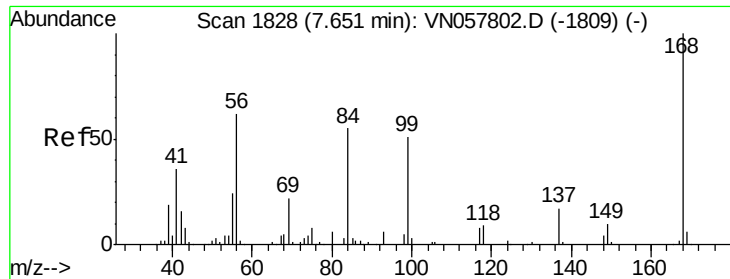
Instrument :
MSVOA_N
ClientSampleId :
IDW-GW507-K-091119

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:09:45 PM

Quant Time: Sep 13 06:23:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057976.D

Acq: 12 Sep 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW507-K-091119

Tot Ion:168 Resp: 243340

Ion Ratio Lower Upper

168 100

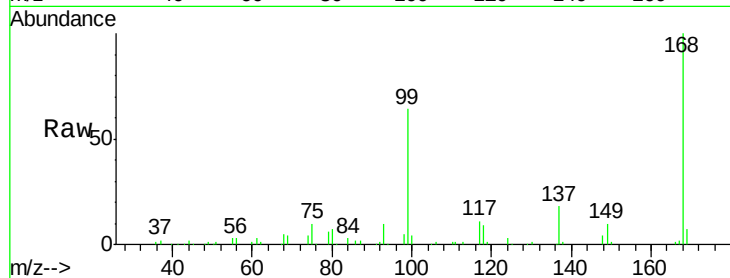
99 63.6 48.0 72.0

Manual Integrations

APPROVED

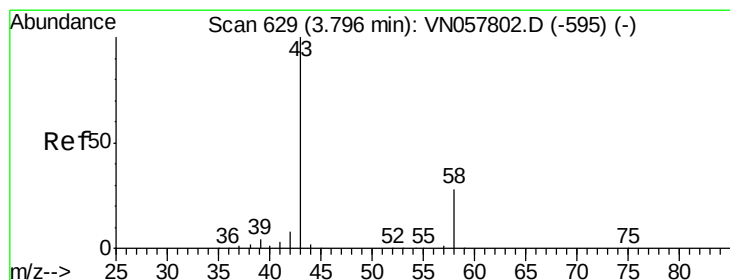
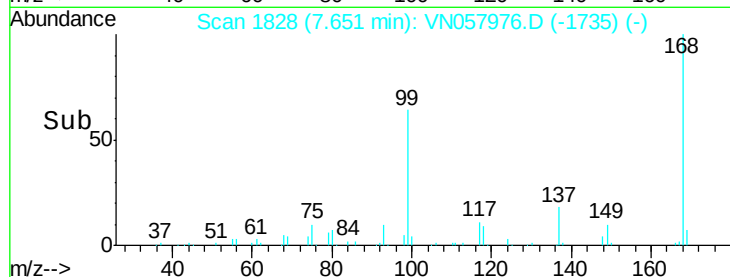
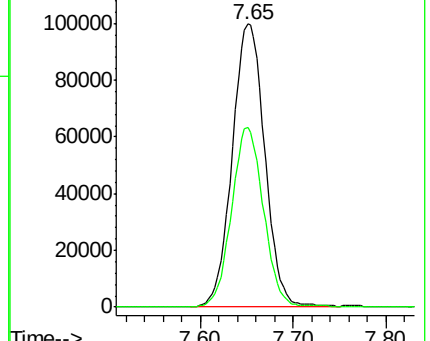
MMDadoda

9/13/2019 1:09:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 80.967 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057976.D

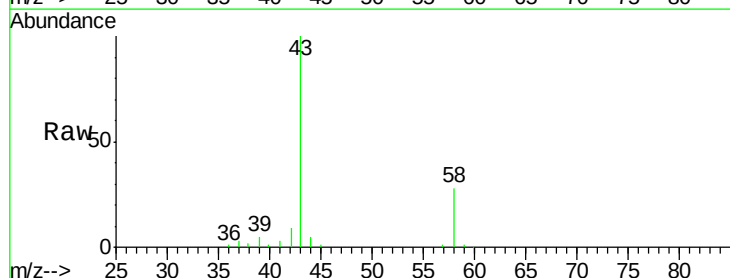
Acq: 12 Sep 2019 18:14

Tgt Ion: 43 Resp: 130819

Ion Ratio Lower Upper

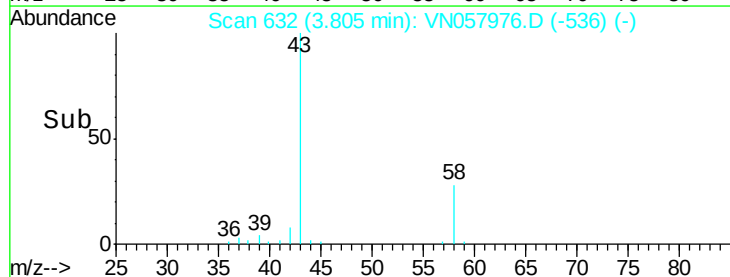
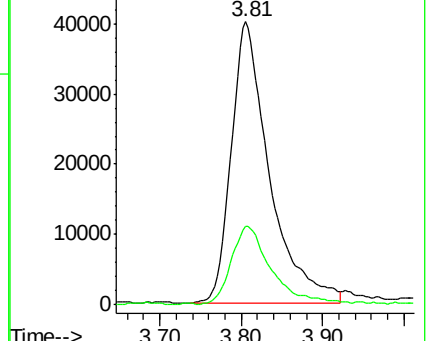
43 100

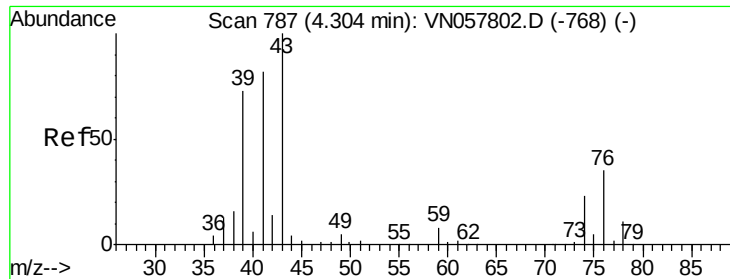
58 27.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





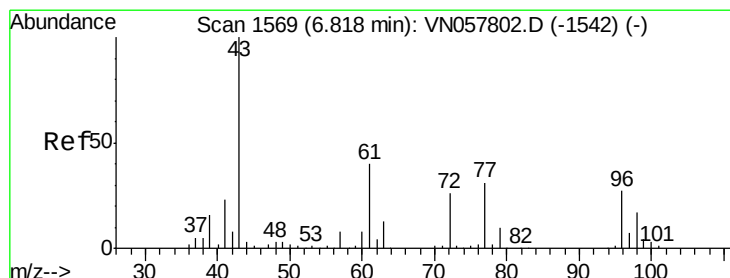
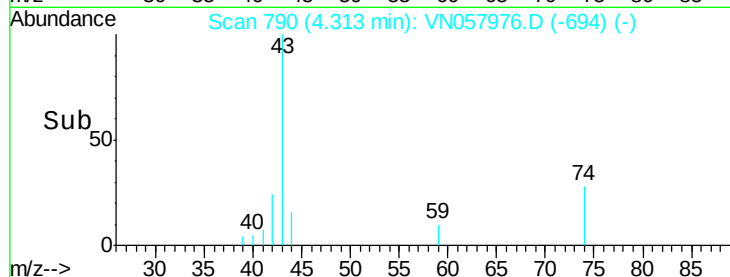
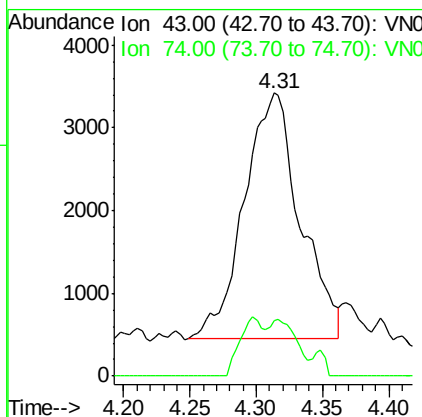
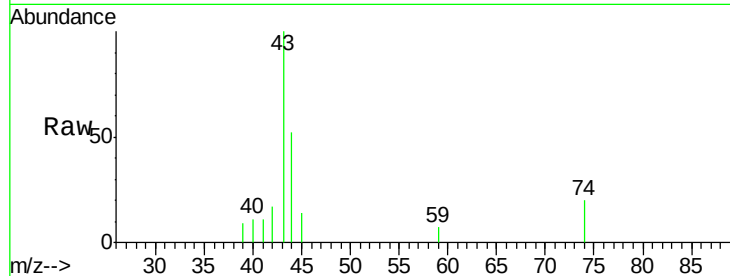
#18
Methvl Acetate
Concen: 2.027 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW507-K-091119

Tot Ion: 43 Resp: 8732
Ion Ratio Lower Upper
43 100
74 10.3 17.9 26.9#

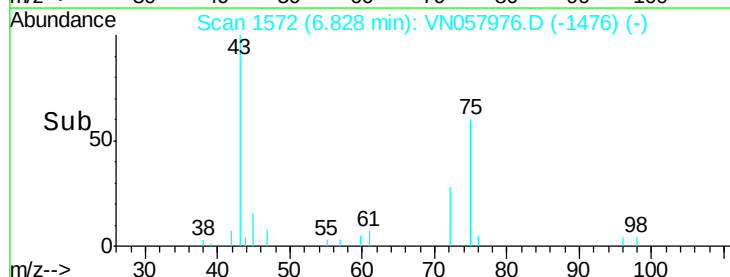
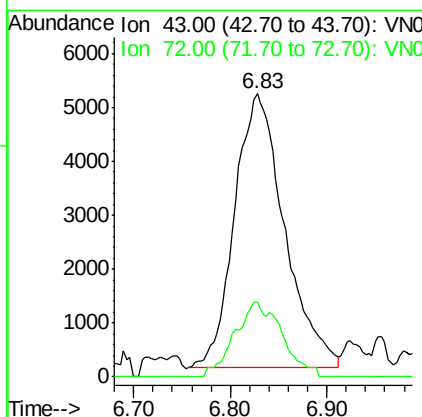
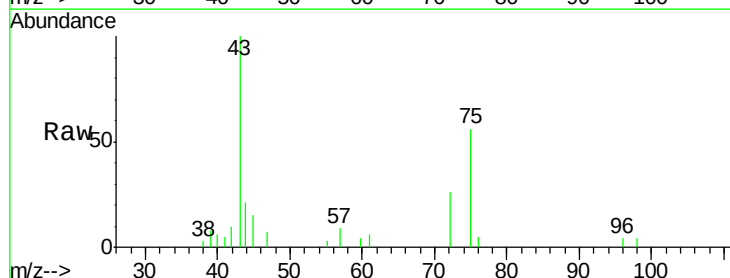
Manual Integrations
APPROVED

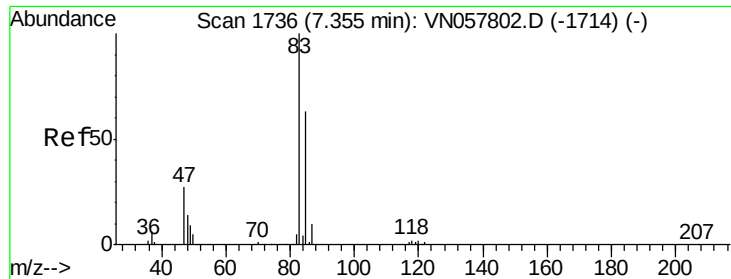
MMDadoda
9/13/2019 1:09:45 PM



#25
2-Butanone
Concen: 7.821 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Tgt Ion: 43 Resp: 18290
Ion Ratio Lower Upper
43 100
72 27.2 20.6 30.8





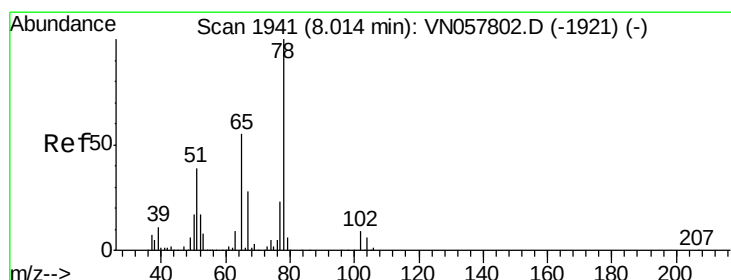
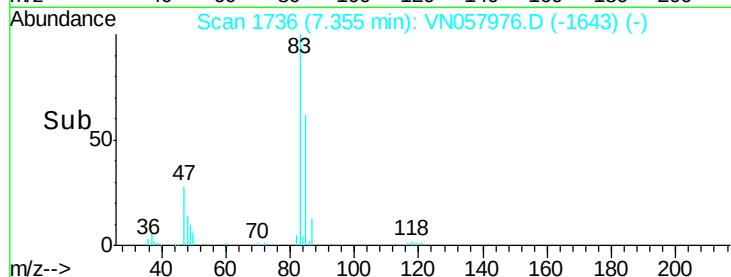
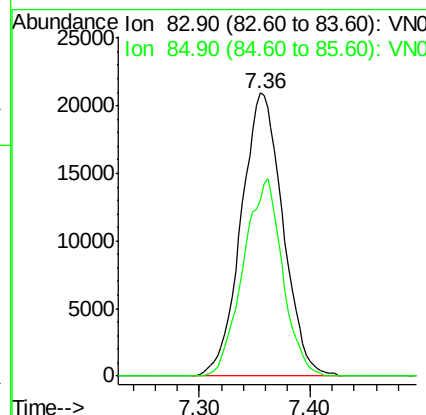
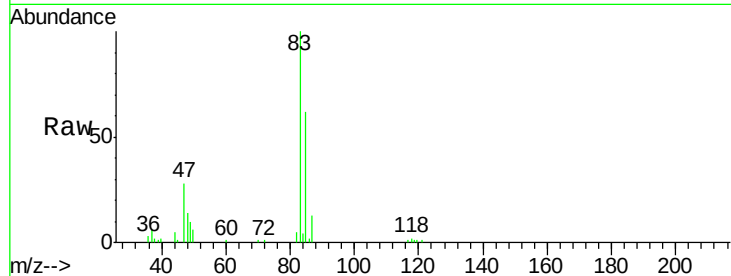
#30
Chloroform
Concen: 8.058 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW507-K-091119

Tot Ion	83	Resp	54756
Ion Ratio	100	Lower	Upper
85	62.3	50.6	75.8

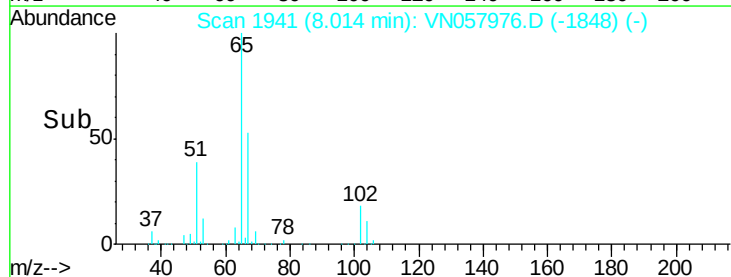
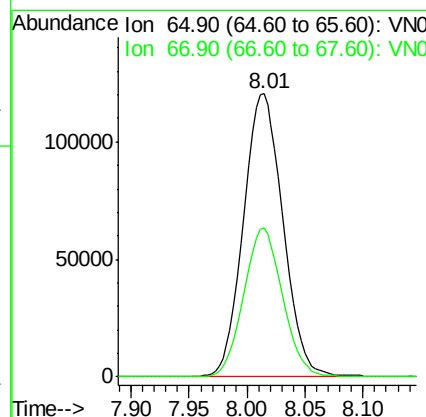
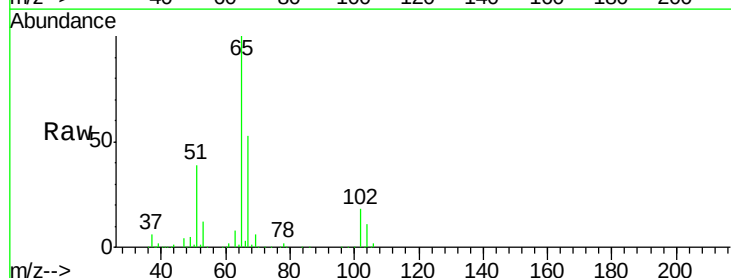
Manual Integrations
APPROVED

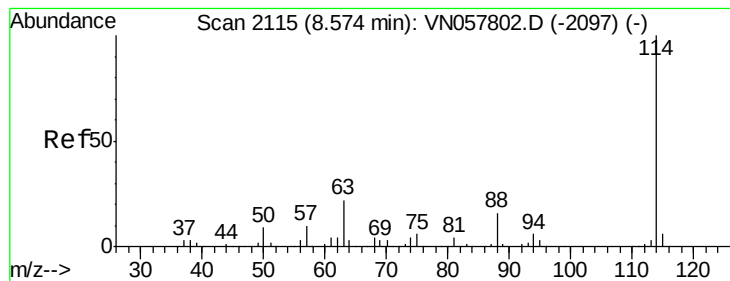
MMDadoda
9/13/2019 1:09:45 PM



#33
1,2-Dichloroethane-d4
Concen: 57.955 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Tgt Ion	65	Resp	285641
Ion Ratio	100	Lower	Upper
67	51.6	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057976.D

Acq: 12 Sep 2019 18:14

Instrument :

MSVOA_N

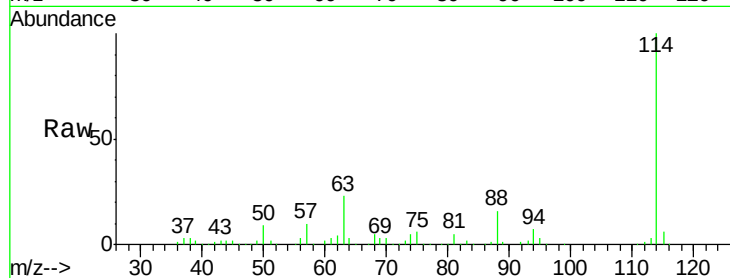
ClientSampleId :

IDW-GW507-K-091119

Tot Ion:	114	Resp:	411379
Ion Ratio	Lower	Upper	
114	100		
63	23.1	0.0	44.0
88	16.1	0.0	31.4

Manual Integrations
APPROVED

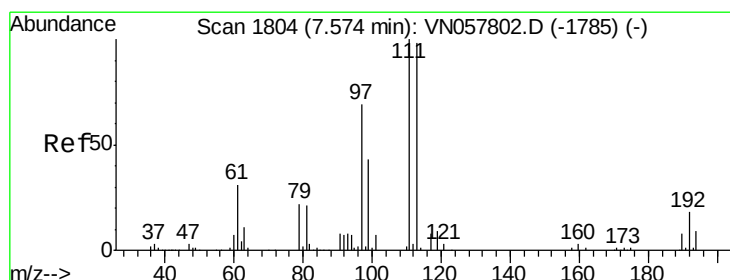
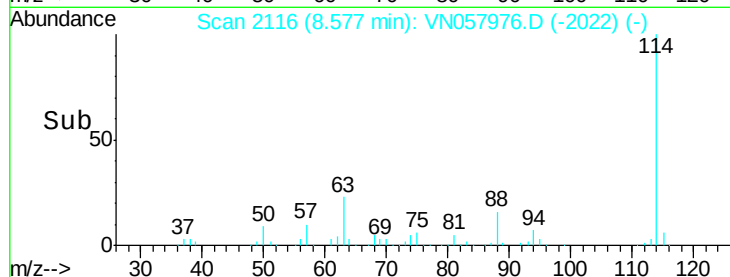
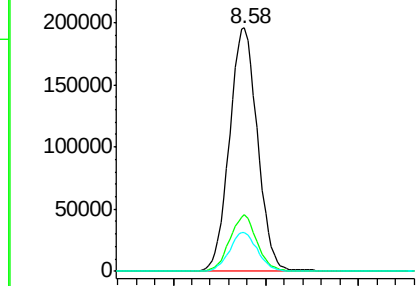
MMDadoda
9/13/2019 1:09:45 PM



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: 52.902 ug/l

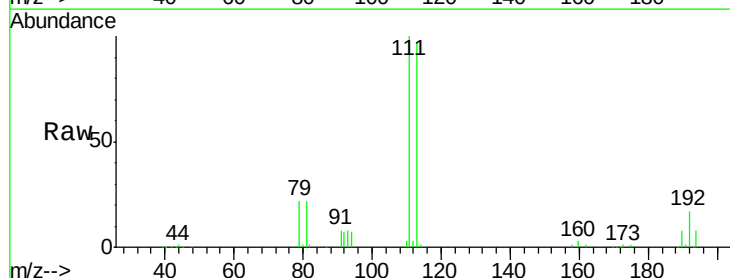
RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057976.D

Acq: 12 Sep 2019 18:14

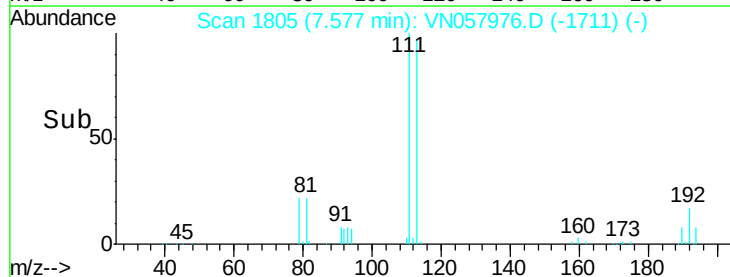
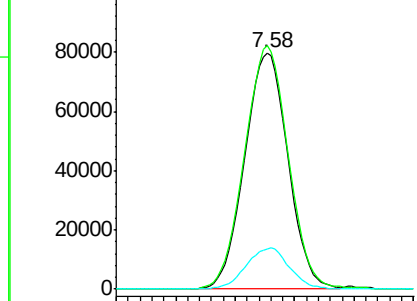
Tgt Ion:	113	Resp:	200861
Ion Ratio	Lower	Upper	
113	100		
111	104.3	81.3	121.9
192	17.4	14.6	22.0

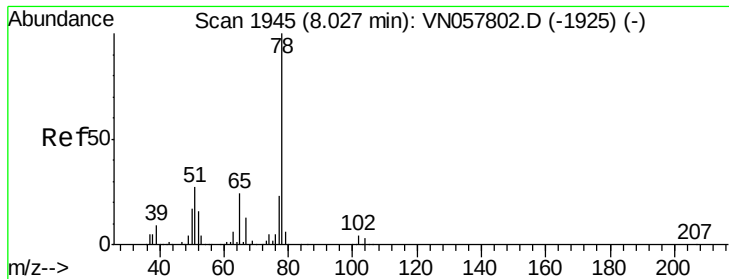


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.553 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057976.D

Acq: 12 Sep 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW507-K-091119

Tot Ion: 78 Resp: 7940

Ion Ratio Lower Upper

78 100

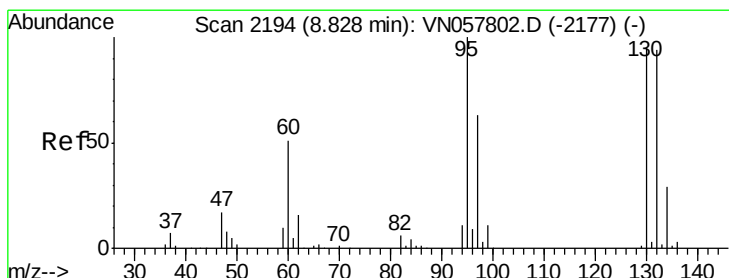
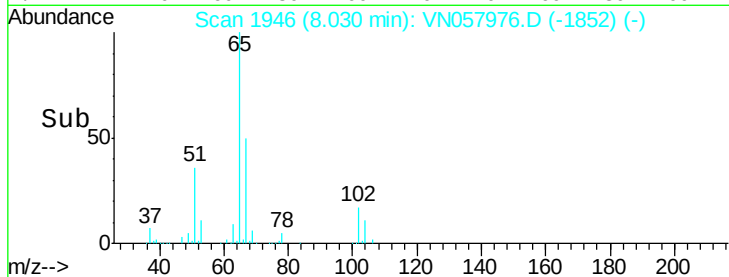
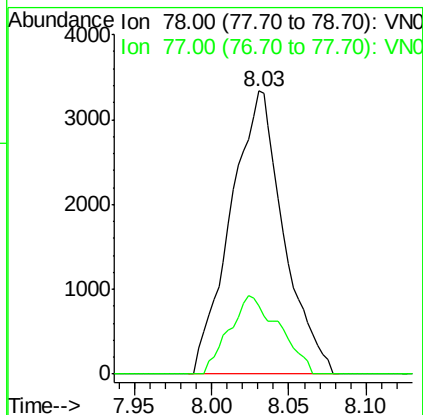
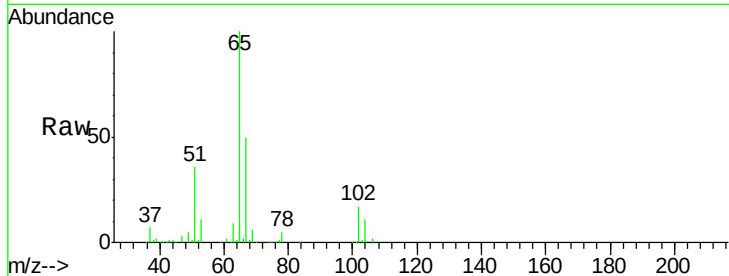
77 24.3 18.3 27.5

Manual Integrations

APPROVED

MMDadoda

9/13/2019 1:09:45 PM



#44

Trichloroethene

Concen: 0.697 ug/l m

RT: 8.82 min Scan# 2192

Delta R.T. -0.01 min

Lab File: VN057976.D

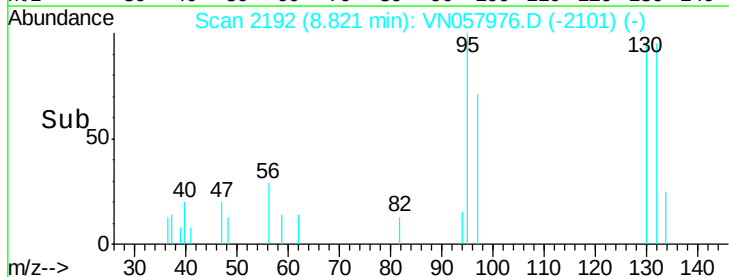
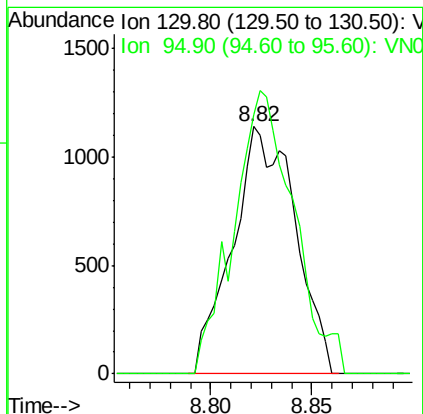
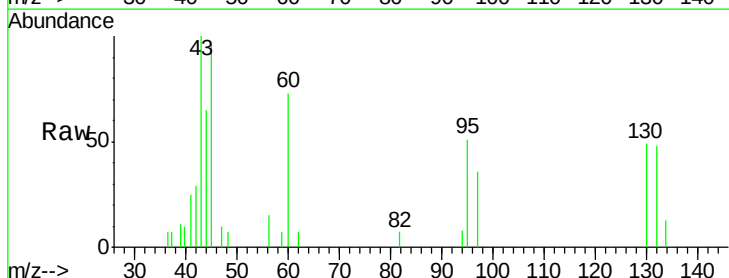
Acq: 12 Sep 2019 18:14

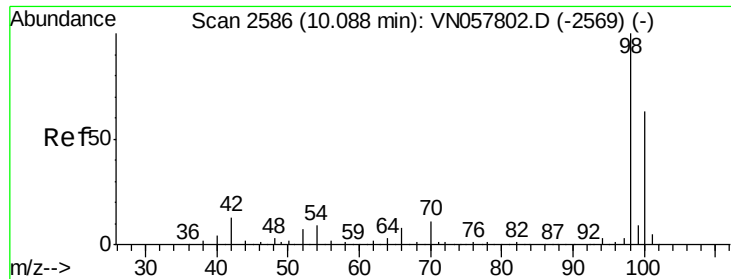
Tgt Ion: 130 Resp: 2456

Ion Ratio Lower Upper

130 100

95 104.6 0.0 211.4





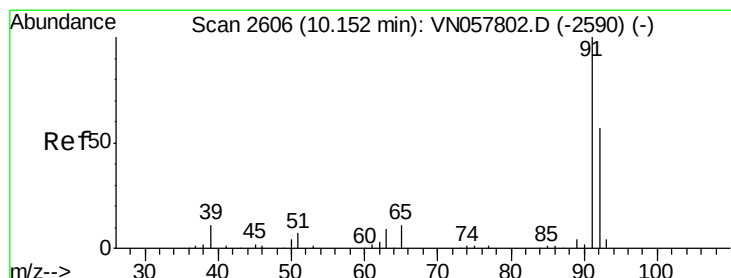
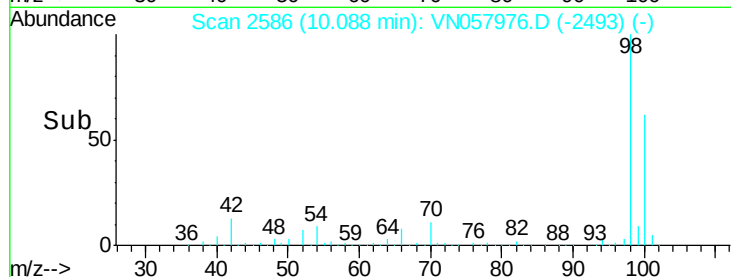
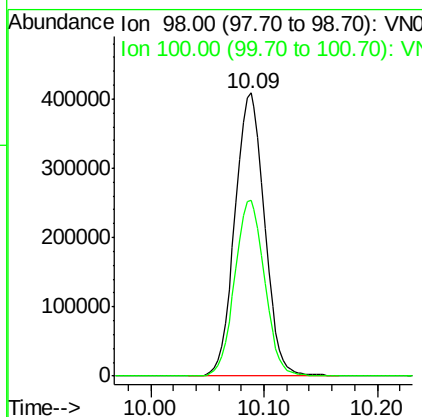
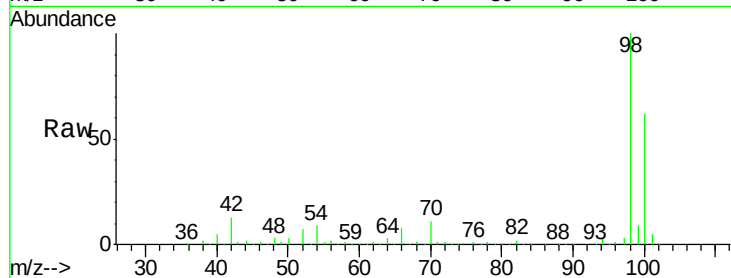
#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW507-K-091119

Tot Ion: 98 Resp: 747511
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5

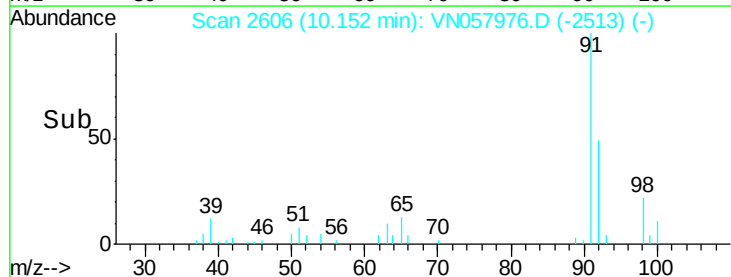
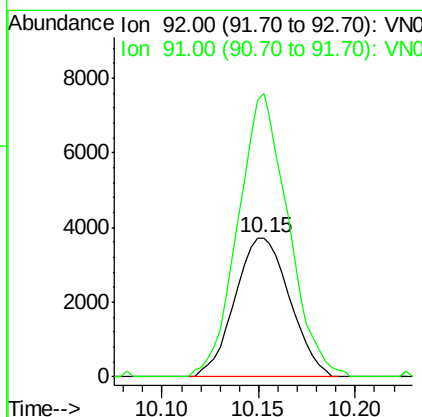
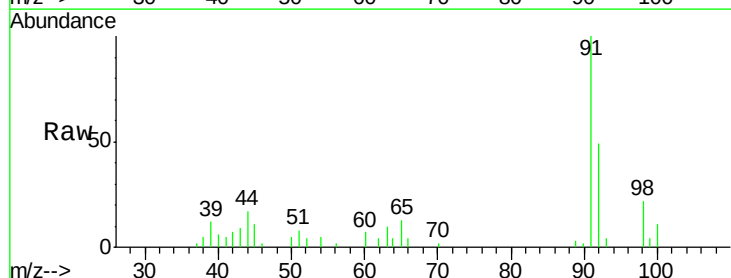
Manual Integrations
APPROVED

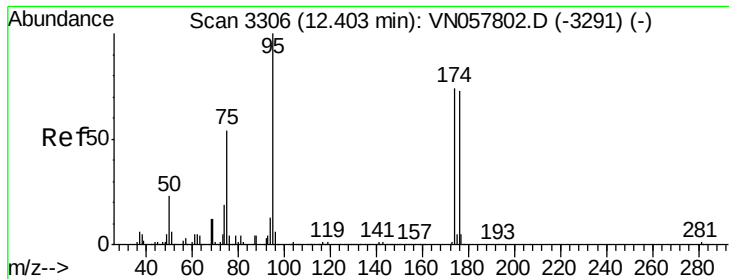
MMDadoda
9/13/2019 1:09:45 PM



#52
Toluene
Concen: 0.812 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Tgt Ion: 92 Resp: 7347
Ion Ratio Lower Upper
92 100
91 187.2 141.0 211.6





#62

4-Bromofluorobenzene

Concen: 45.264 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057976.D

Acq: 12 Sep 2019 18:14

Instrument :

MSVOA_N

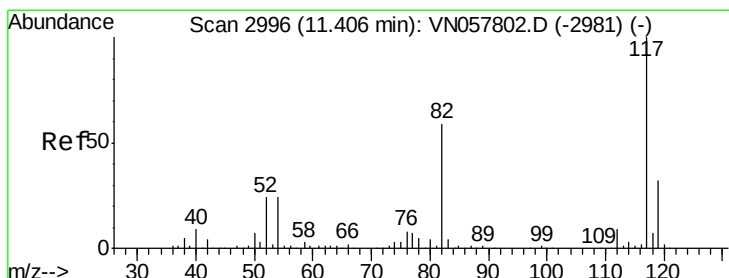
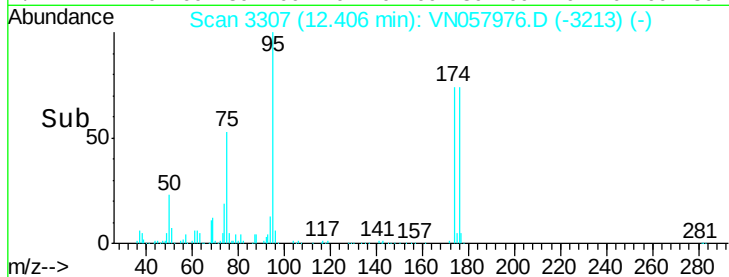
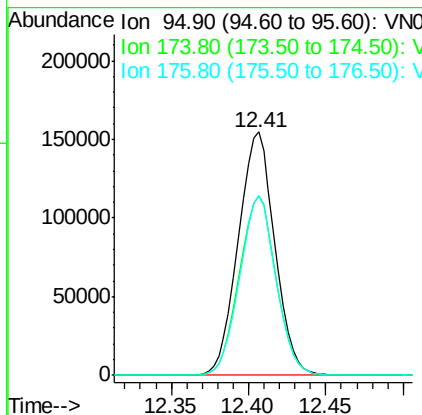
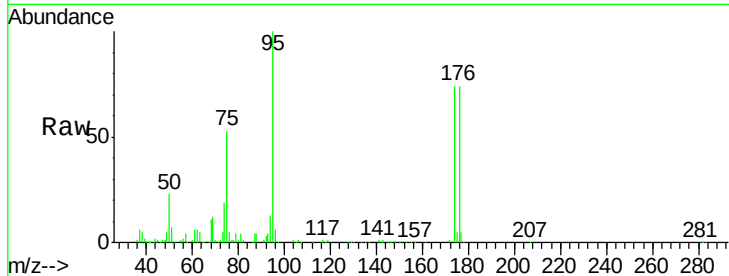
ClientSampleId :

IDW-GW507-K-091119

Tot Ion:	95	Resp:	254284
Ion Ratio	Lower	Upper	
95	100		
174	74.5	0.0	150.2
176	73.2	0.0	146.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:09:45 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

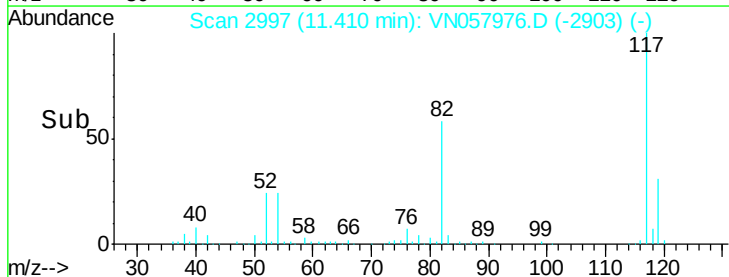
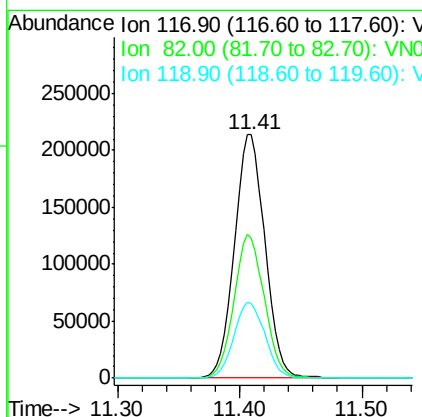
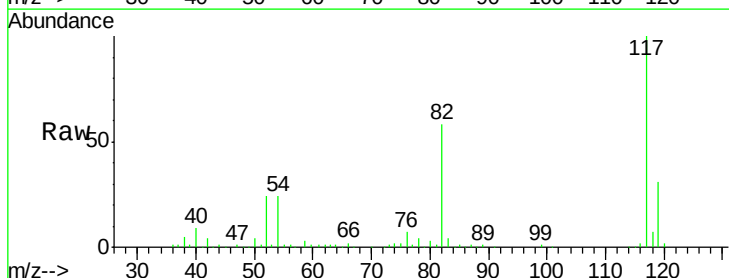
RT: 11.41 min Scan# 2997

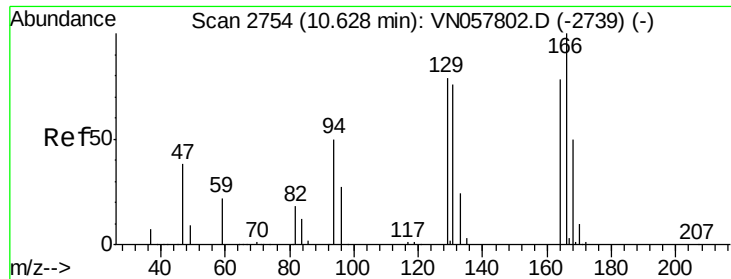
Delta R.T. 0.00 min

Lab File: VN057976.D

Acq: 12 Sep 2019 18:14

Tgt Ion:	117	Resp:	370310
Ion Ratio	Lower	Upper	
117	100		
82	57.6	47.2	70.8
119	30.8	25.3	37.9





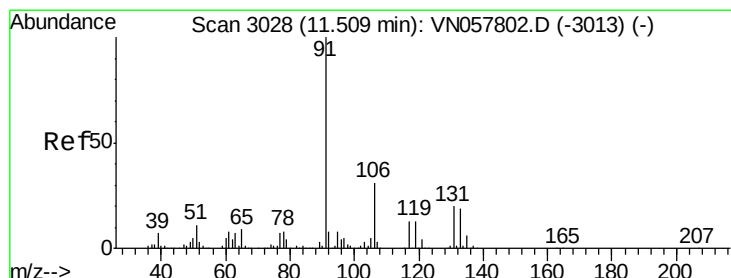
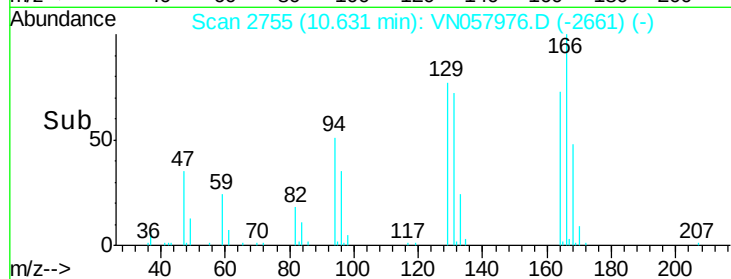
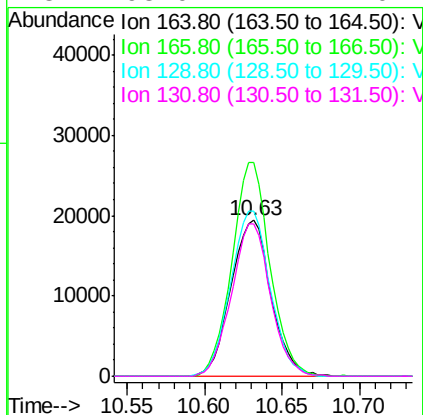
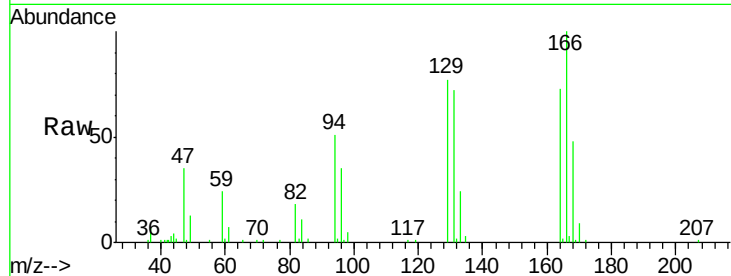
#64
Tetrachloroethene
Concen: 12.827 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW507-K-091119

Tot Ion	Ratio	Lower	Upper
164	100		
166	136.7	102.2	153.2
129	105.5	80.8	121.2
131	98.0	77.4	116.2

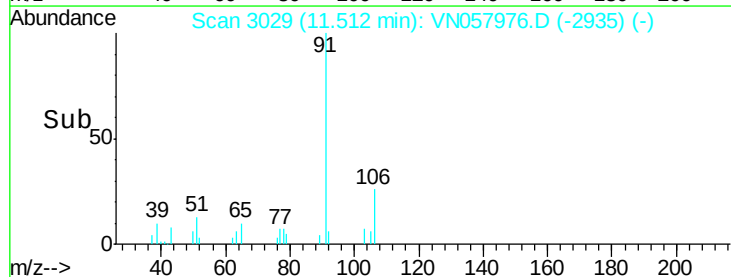
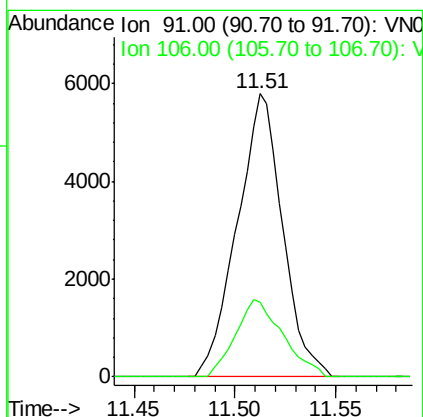
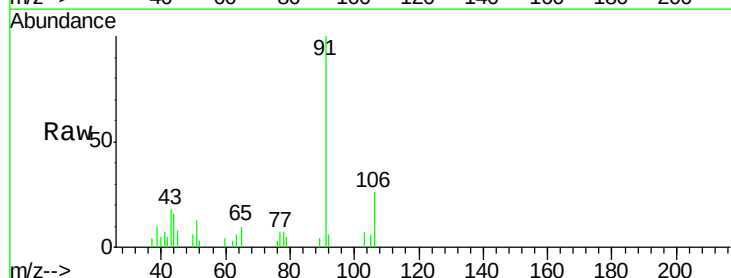
Manual Integrations
APPROVED

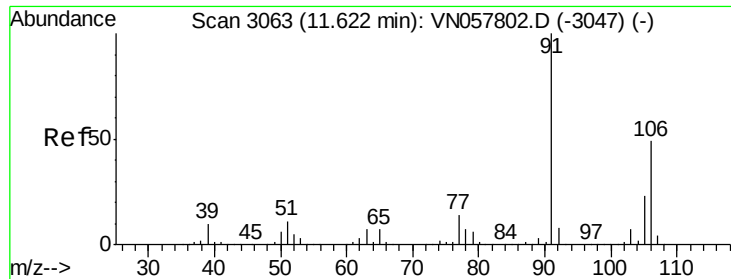
MMDadoda
9/13/2019 1:09:45 PM



#67
Ethyl Benzene
Concen: 0.537 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.3	24.4	36.6





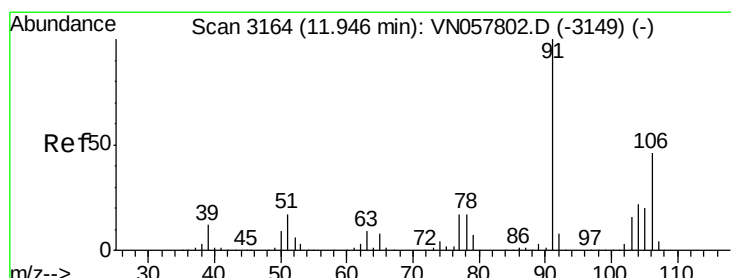
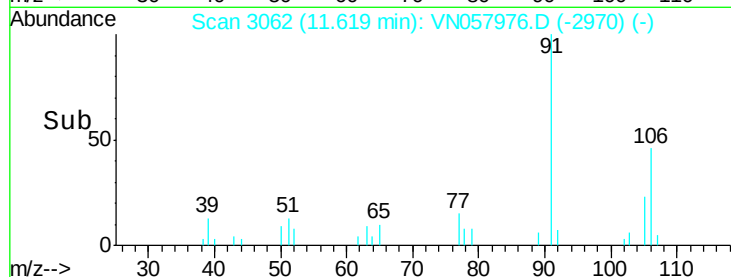
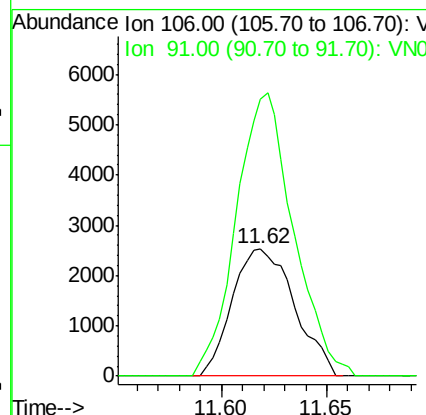
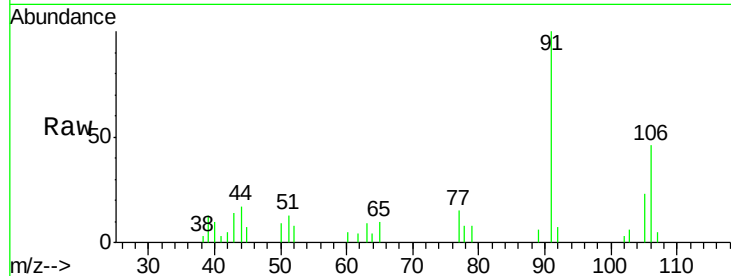
#68
m/p-Xylenes
Concen: 0.831 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW507-K-091119

Tot Ion:106 Resp: 5173
Ion Ratio Lower Upper
106 100
91 204.9 165.8 248.6

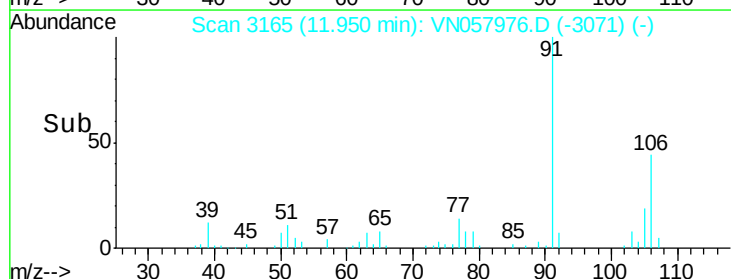
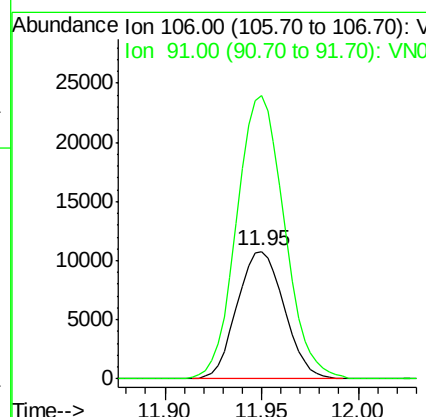
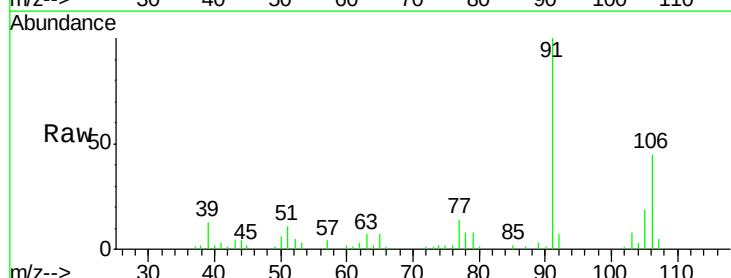
Manual Integrations
APPROVED

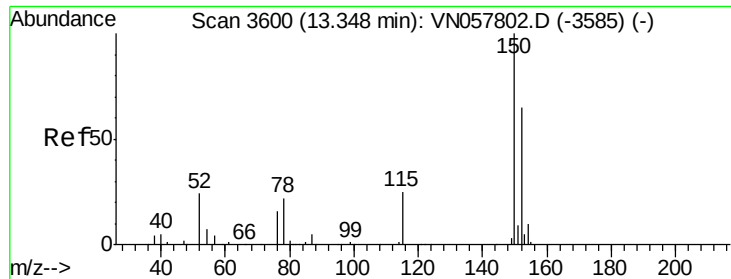
MMDadoda
9/13/2019 1:09:45 PM



#69
o-Xylene
Concen: 2.956 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057976.D
Acq: 12 Sep 2019 18:14

Tgt Ion:106 Resp: 18285
Ion Ratio Lower Upper
106 100
91 224.8 108.7 326.1





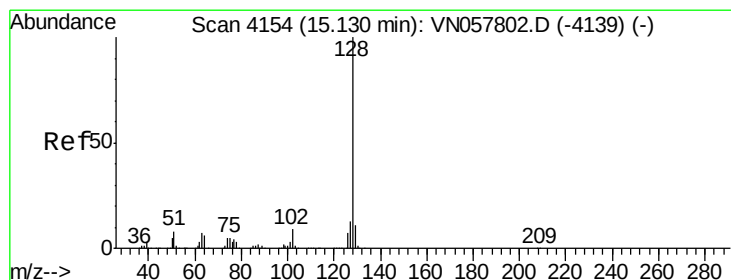
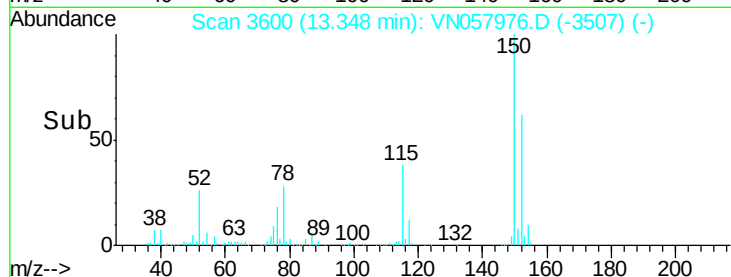
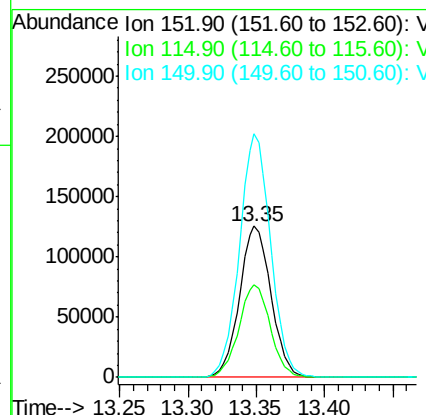
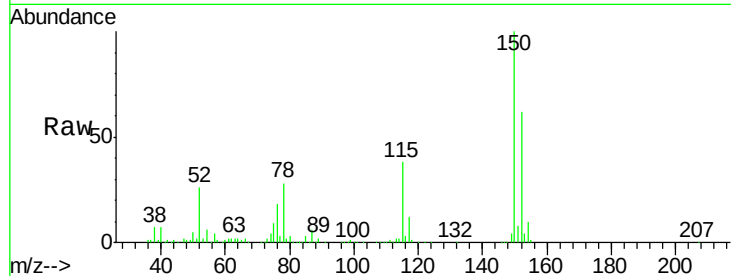
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN057976.D
 Acq: 12 Sep 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-GW507-K-091119

Tot Ion	Ratio	Resp	Lower	Upper
152	100	200955		
115	61.1	30.3	91.0	
150	159.1	0.0	352.4	

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:09:45 PM



#95
 Naphthalene
 Concen: 3.878 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN057976.D
 Acq: 12 Sep 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	62674		
127	13.7	10.3	15.5	
129	11.9	8.6	12.8	

