

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054592.D
 Acq On : 23 Mar 2019 7:50
 Operator : JC/SP
 Sample : K2045-18
 Misc : 5.96g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB444-190320-(18-20)

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 4:41:18 PM

Quant Time: Mar 25 02:23:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	569098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	893681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	770903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	327244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	361214	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
35) Dibromofluoromethane	7.59	113	263572	45.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.56%	
50) Toluene-d8	10.09	98	1082927	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	354852	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	3538	0.529	ug/l	97
38) Carbon Tetrachloride	7.66	117	52499	6.465	ug/l #	15
65) Chlorobenzene	11.43	112	268198	17.105	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	9011	0.831	ug/l	88
88) 1,4-Dichlorobenzene	13.36	146	29010m	2.751	ug/l	
91) 1,2-Dichlorobenzene	13.65	146	30294	2.886	ug/l	93

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

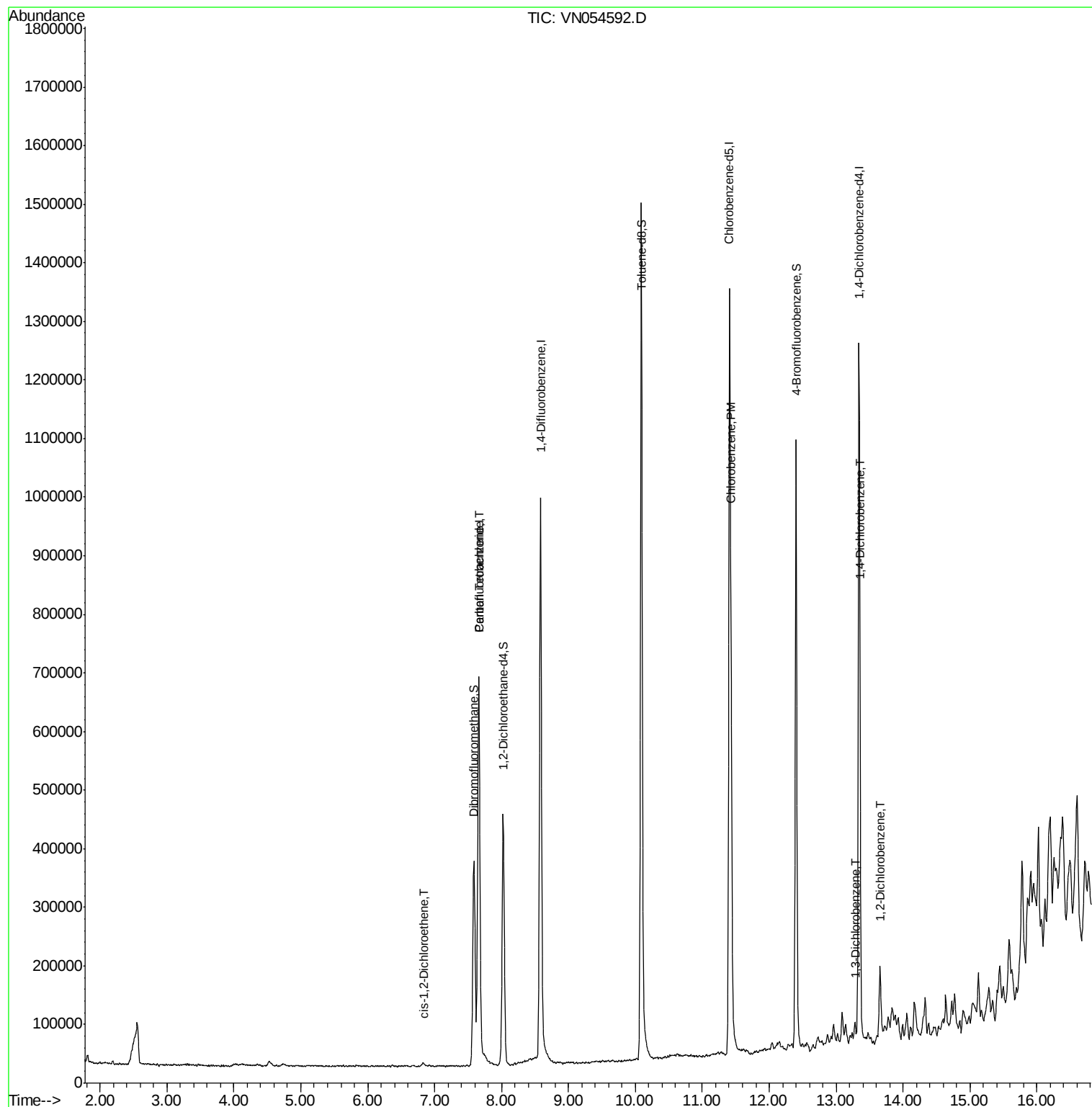
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032219\
Data File : VN054592.D
Acq On : 23 Mar 2019 7:50
Operator : JC/SP
Sample : K2045-18
Misc : 5.96µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 49 Sample Multiplier: 1

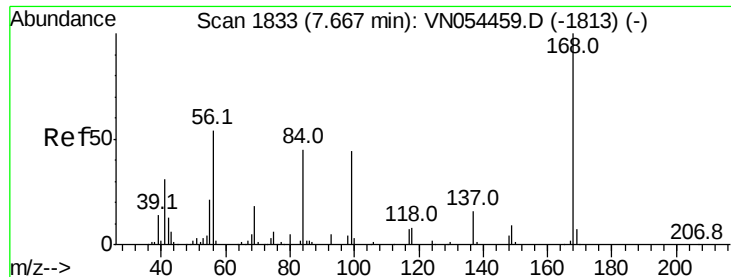
Instrument :
MSVOA_N
ClientSampleId :
WP022SB444-190320-(18-20)

Manual Integrations
APPROVED

MMDadoda
3/25/2019 4:41:18 PM

Quant Time: Mar 25 02:23:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054592.D

Acq: 23 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

WP022SB444-190320-(18-20)

Tot Ion:168 Resp: 569098

Ion Ratio Lower Upper

168 100

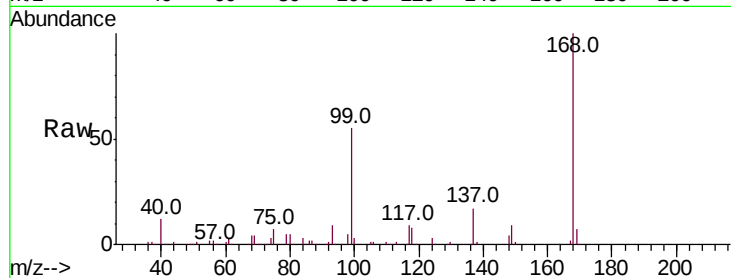
99 55.0 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/25/2019 4:41:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

250000

200000

150000

100000

50000

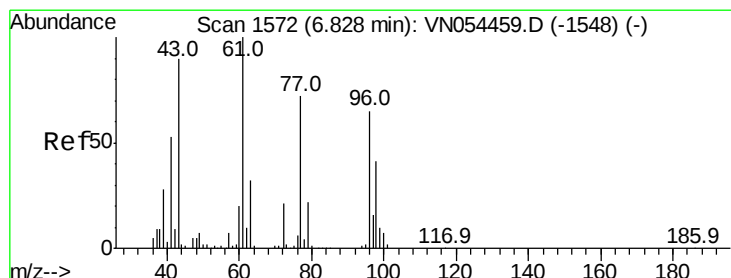
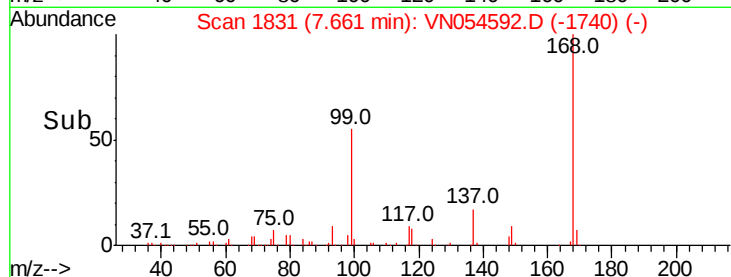
0

7.66

7.70

7.80

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.529 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054592.D

Acq: 23 Mar 2019 7:50

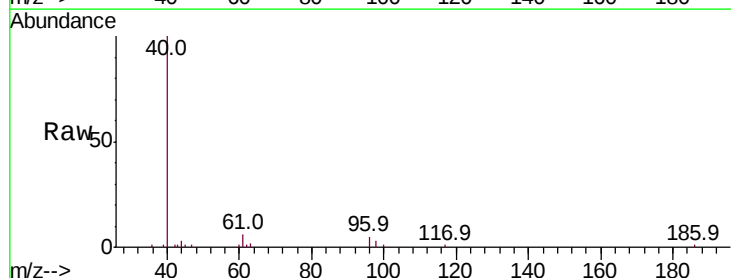
Tgt Ion: 96 Resp: 3538

Ion Ratio Lower Upper

96 100

61 135.3 0.0 273.0

98 60.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

2000

1500

1000

500

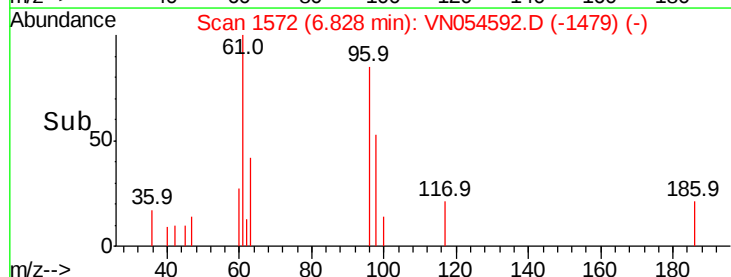
0

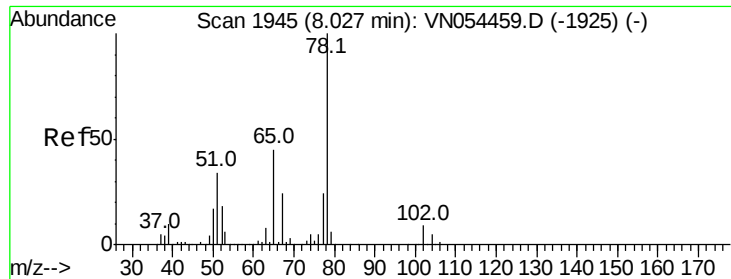
6.83

6.85

6.90

Time-->





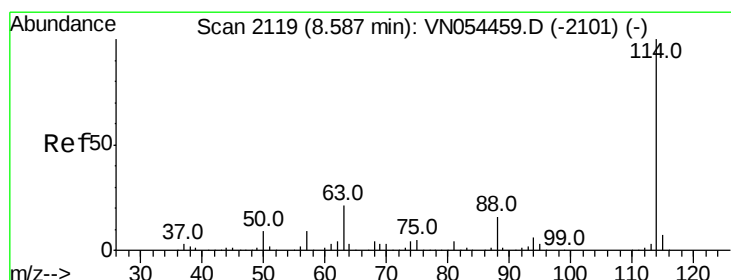
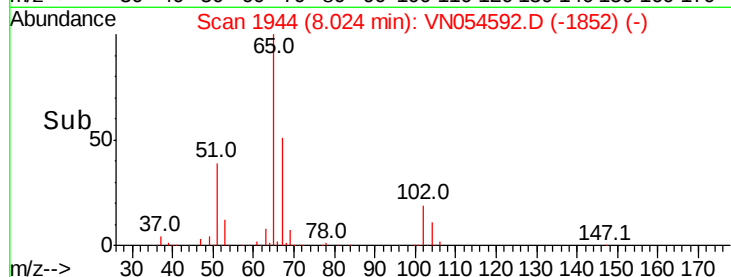
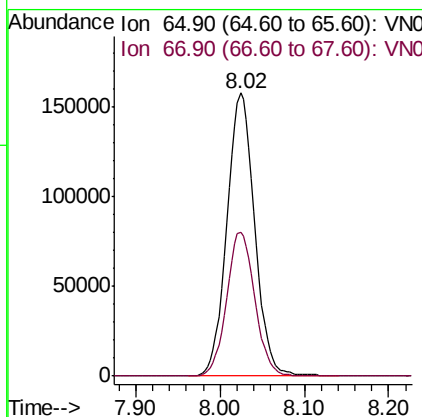
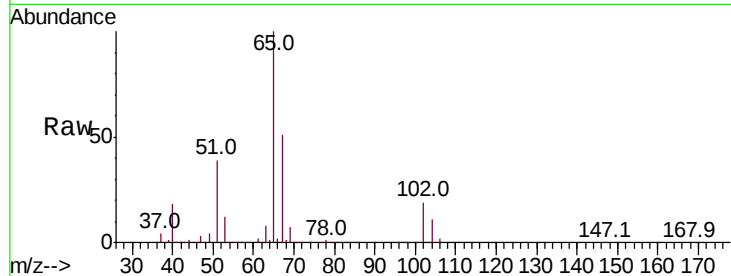
#33
 1,2-Dichloroethane-d4
 Concen: 51.029 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054592.D
 Acq: 23 Mar 2019 7:50

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB444-190320-(18-20)

Tot Ion: 65 Resp: 361214
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6

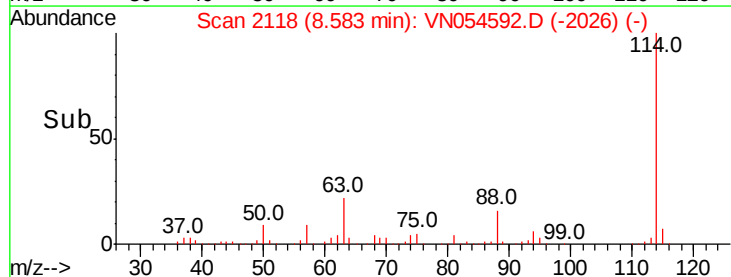
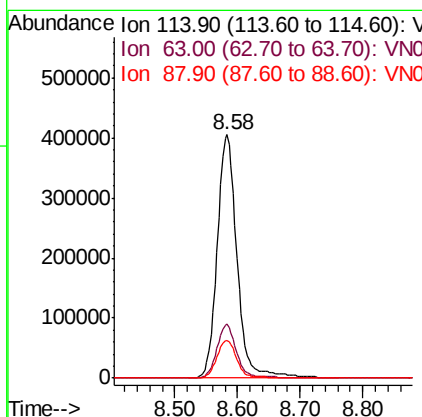
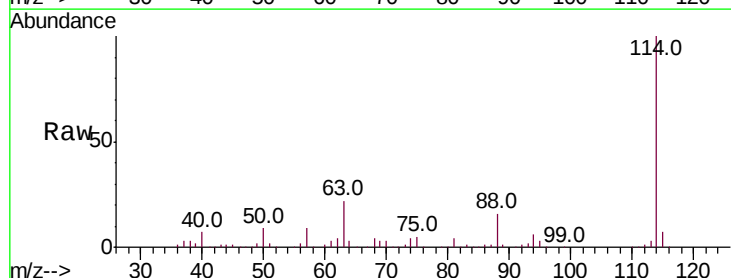
Manual Integrations
 APPROVED

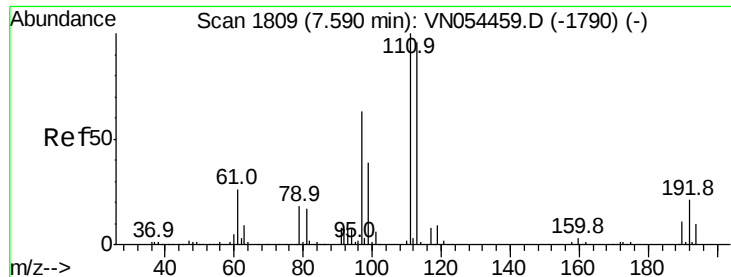
MMDadoda
 3/25/2019 4:41:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054592.D
 Acq: 23 Mar 2019 7:50

Tgt Ion: 114 Resp: 893681
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.7 0.0 30.2





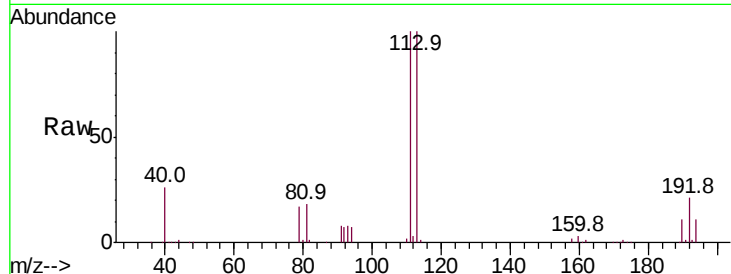
#35
Dibromofluoromethane
Concen: 45.779 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054592.D
Acq: 23 Mar 2019 7:50

Instrument :
MSVOA_N
ClientSampleId :
WP022SB444-190320-(18-20)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	263572		
111	102.8	82.2	123.4	
192	20.9	19.2	28.8	

Manual Integrations
APPROVED

MMDadoda
3/25/2019 4:41:18 PM

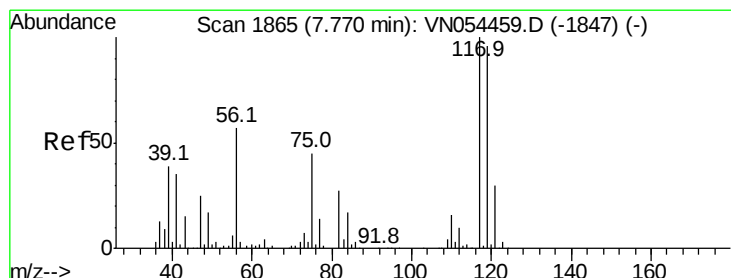
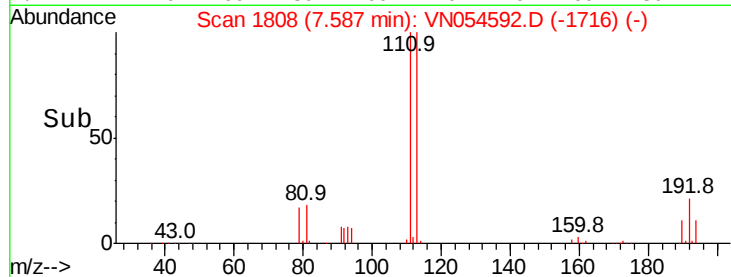
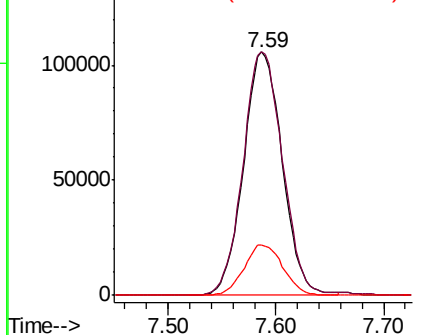


Abundance

Ion 112.80 (112.50 to 113.50): V

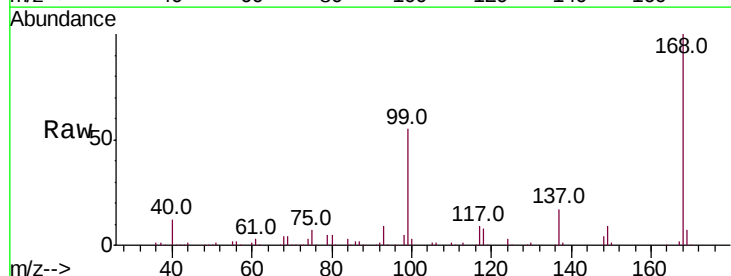
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38
Carbon Tetrachloride
Concen: 6.465 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN054592.D
Acq: 23 Mar 2019 7:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52499		
119	3.9	76.3	114.5#	
121	0.0	24.6	36.8#	

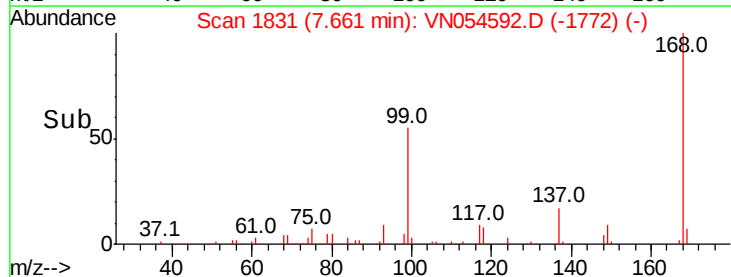
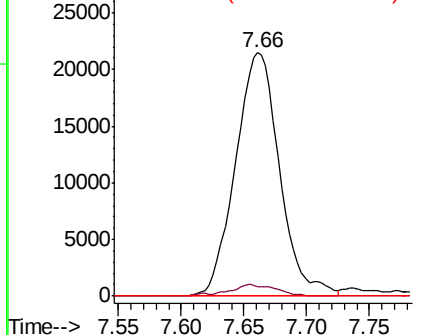


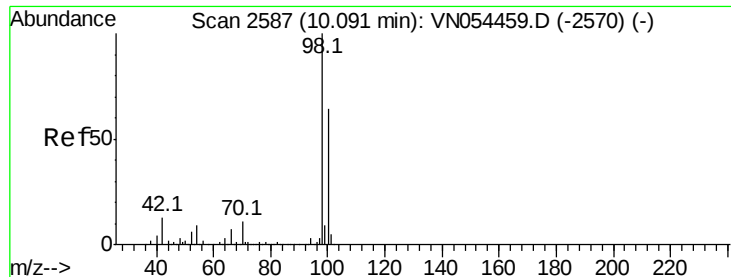
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.032 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054592.D

Acq: 23 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

WP022SB444-190320-(18-20)

Tot Ion: 98 Resp: 1082927

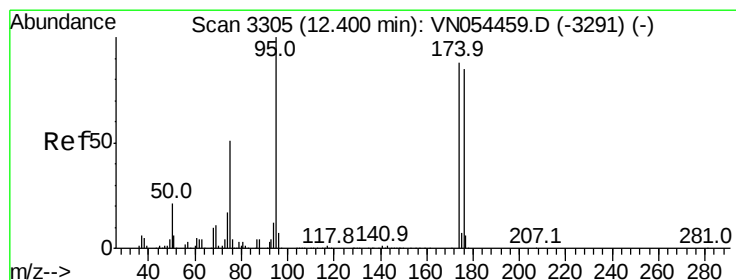
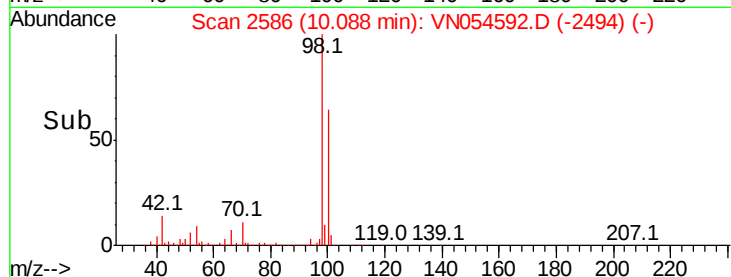
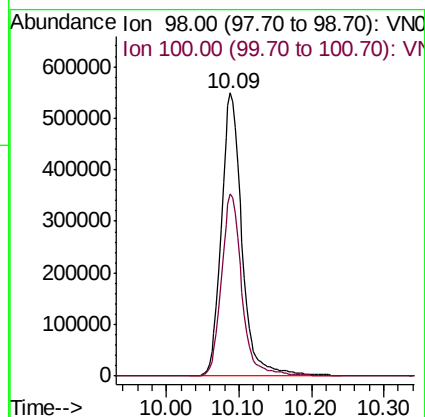
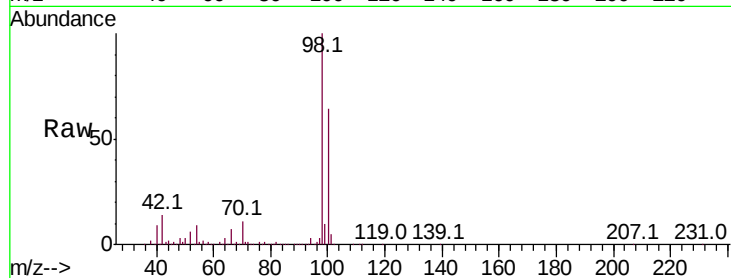
Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8

Manual Integrations
APPROVED

MMDadoda
3/25/2019 4:41:18 PM



#62

4-Bromofluorobenzene

Concen: 48.179 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054592.D

Acq: 23 Mar 2019 7:50

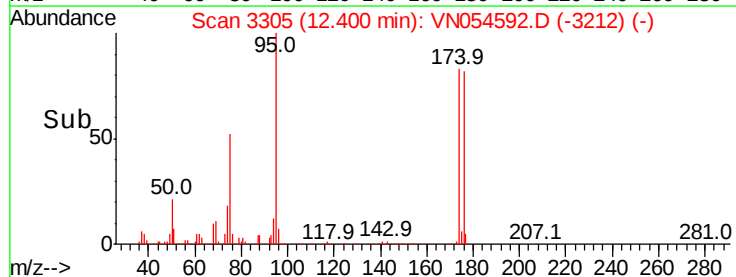
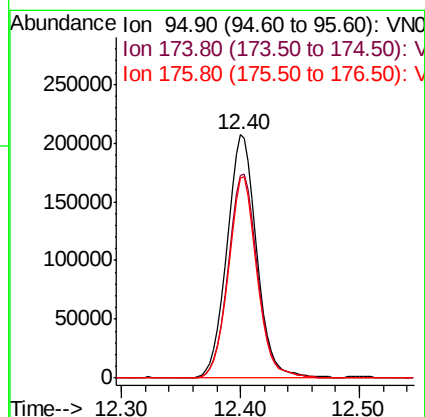
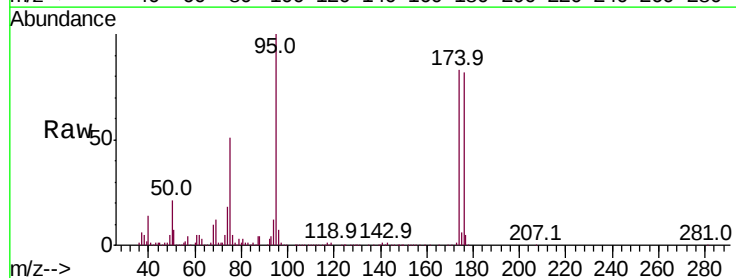
Tgt Ion: 95 Resp: 354852

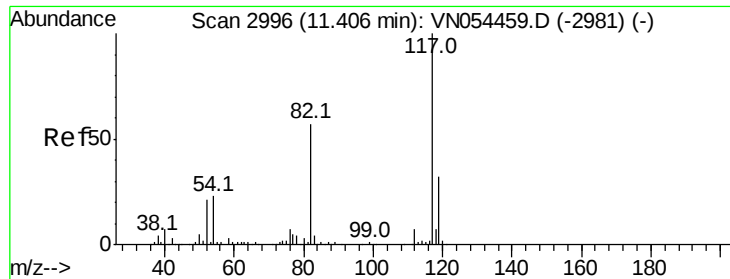
Ion Ratio Lower Upper

95 100

174 83.9 0.0 191.0

176 80.4 0.0 187.4





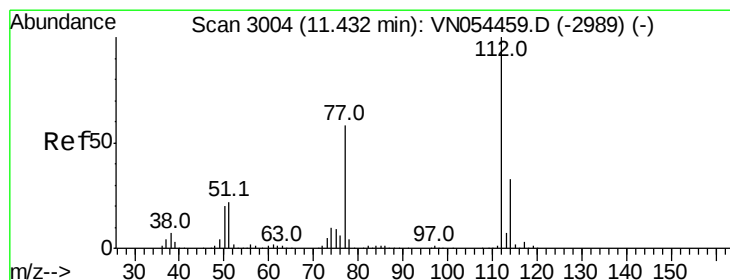
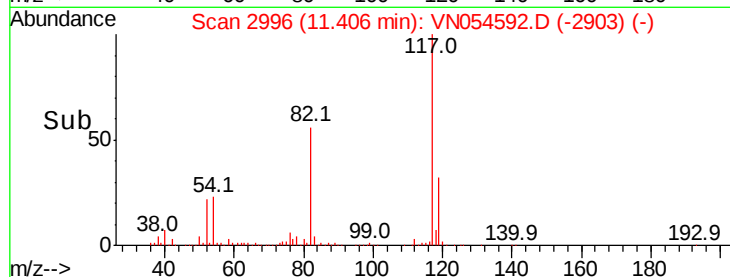
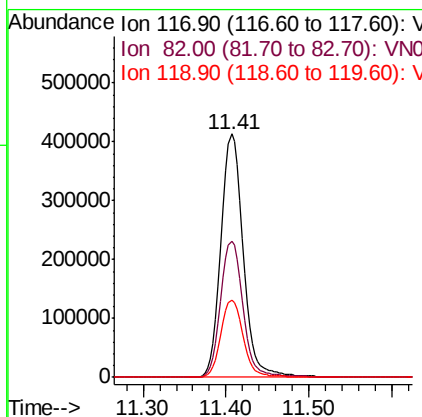
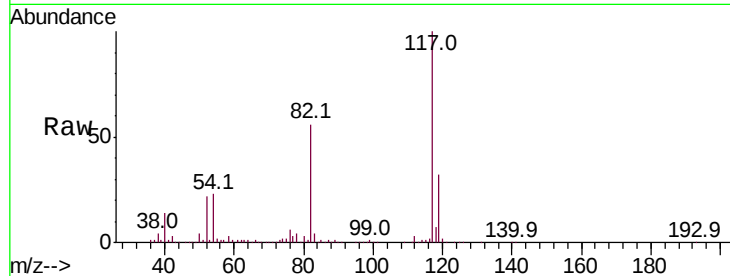
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054592.D
Acq: 23 Mar 2019 7:50

Instrument :
MSVOA_N
ClientSampleId :
WP022SB444-190320-(18-20)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	770903		
82	56.0		40.0	60.0
119	31.9		25.8	38.6

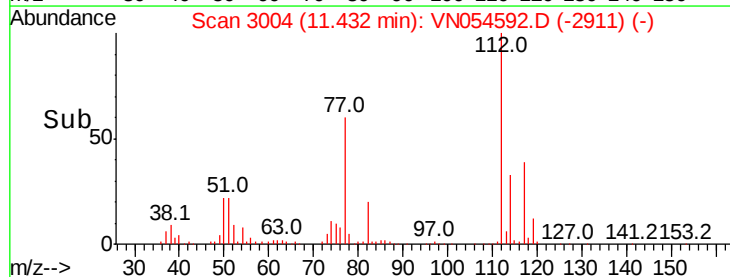
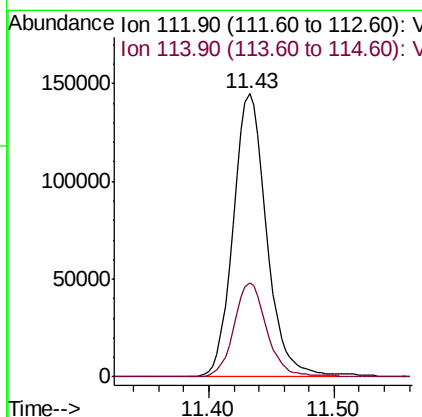
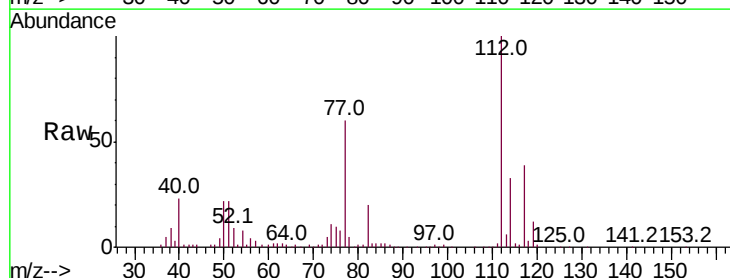
Manual Integrations
APPROVED

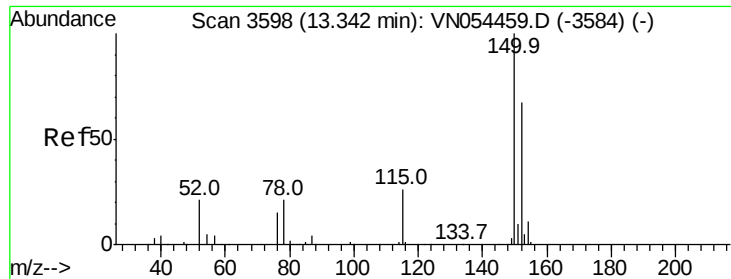
MMDadoda
3/25/2019 4:41:18 PM



#65
Chlorobenzene
Concen: 17.105 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054592.D
Acq: 23 Mar 2019 7:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	268198		
114	33.2		25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054592.D

Acq: 23 Mar 2019 7:50

Instrument :

MSVOA_N

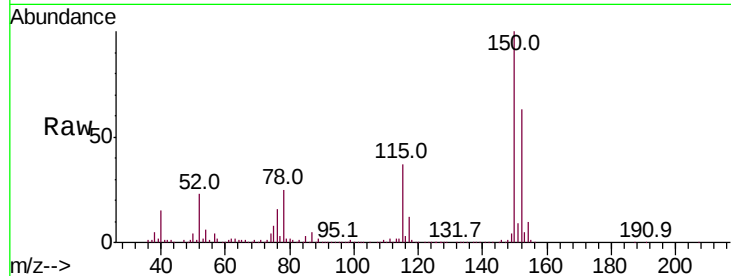
ClientSampleId :

WP022SB444-190320-(18-20)

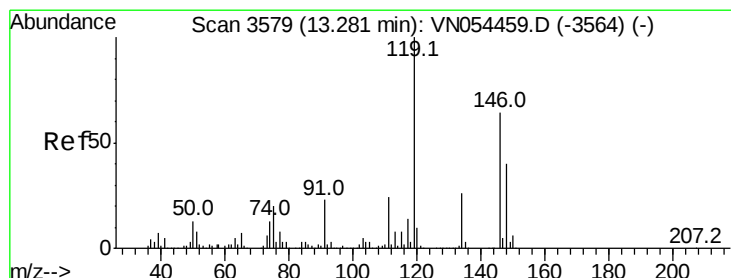
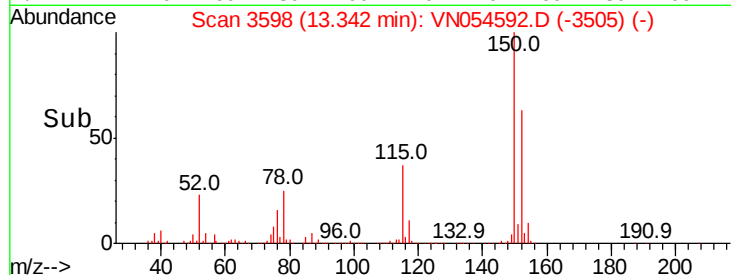
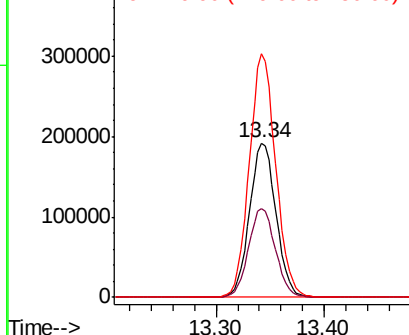
Tot Ion:	152	Resp:	327244
Ion Ratio	Lower	Upper	
152	100		
115	58.5	27.2	81.6
150	156.8	0.0	349.2

Manual Integrations
APPROVED

MMDadoda
3/25/2019 4:41:18 PM



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



#87

1,3-Dichlorobenzene

Concen: 0.831 ug/l

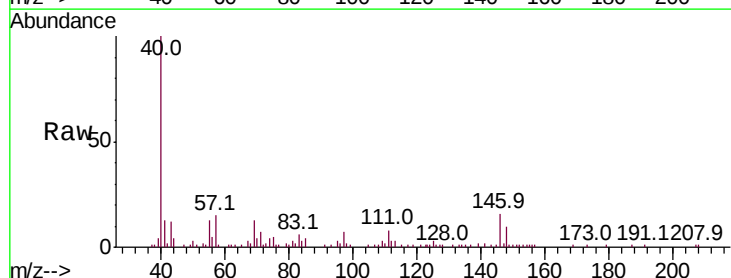
RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

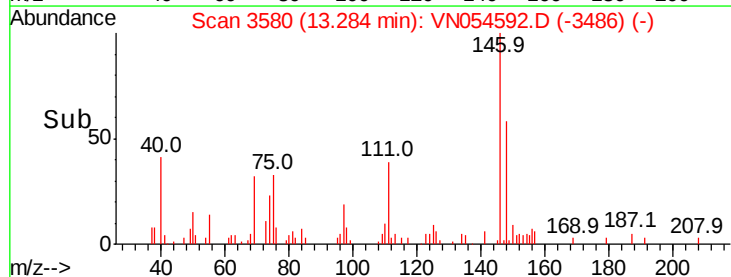
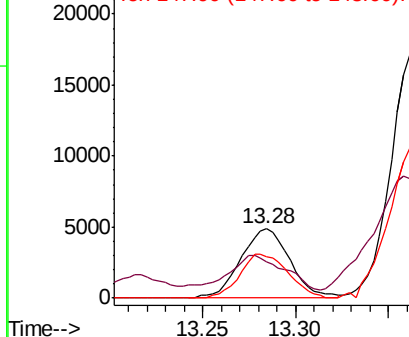
Lab File: VN054592.D

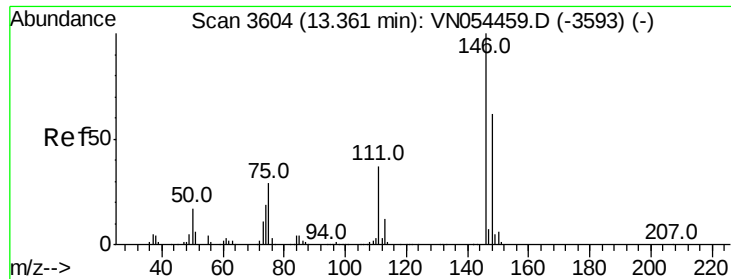
Acq: 23 Mar 2019 7:50

Tgt Ion:	146	Resp:	9011
Ion Ratio	Lower	Upper	
146	100		
111	53.7	18.8	56.3
148	62.0	32.2	96.6



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





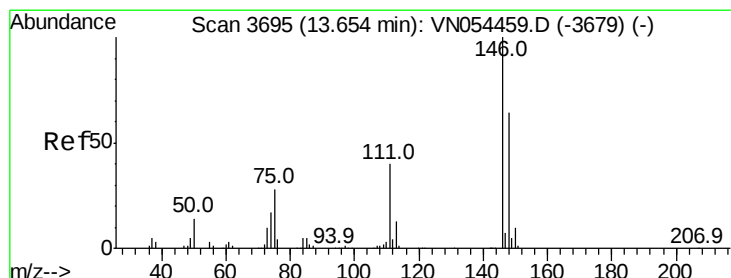
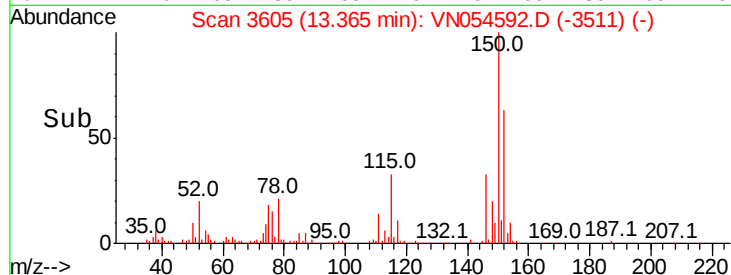
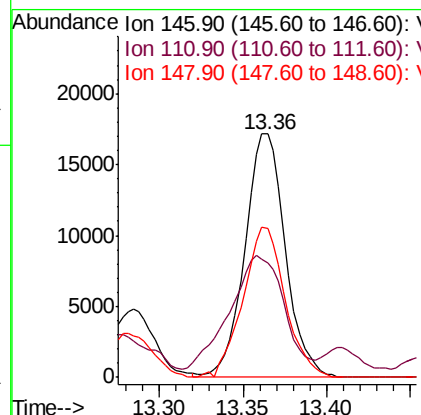
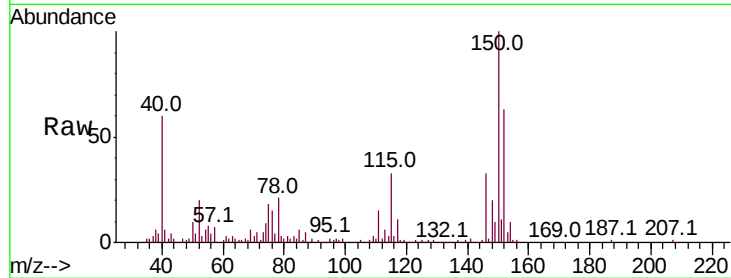
#88
 1,4-Dichlorobenzene
 Concen: 2.751 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054592.D
 Acq: 23 Mar 2019 7:50

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB444-190320-(18-20)

Tot Ion	Ratio	Lower	Upper
146	100		
111	16.7	18.1	54.1#
148	19.3	32.0	96.0#

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 4:41:18 PM



#91
 1,2-Dichlorobenzene
 Concen: 2.886 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054592.D
 Acq: 23 Mar 2019 7:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	19.1	57.3
148	64.0	32.4	97.0

