

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052315.D
 Acq On : 14 Nov 2018 16:15
 Operator : MD\SY
 Sample : J5164-07 0.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:54:00 PM

Quant Time: Nov 15 04:27:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	252234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	449818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	389676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142857	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	190171	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.76%	
35) Dibromofluoromethane	7.59	113	145653	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
50) Toluene-d8	10.09	98	548585	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.40	95	166284	44.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.58%	
Target Compounds						
6) Chloroethane	2.72	64	1348	0.743	ug/l #	57
8) Diethyl Ether	3.42	74	808m	0.477	ug/l	
12) 1,1-Dichloroethene	3.75	96	1406	0.541	ug/l	98
15) Acrylonitrile	5.00	53	3112	2.897	ug/l #	58
37) Ethyl Acetate	6.93	43	2100m	0.642	ug/l	
49) 1,4-Dioxane	9.21	88	294	11.954	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	173m	0.231	ug/l	

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

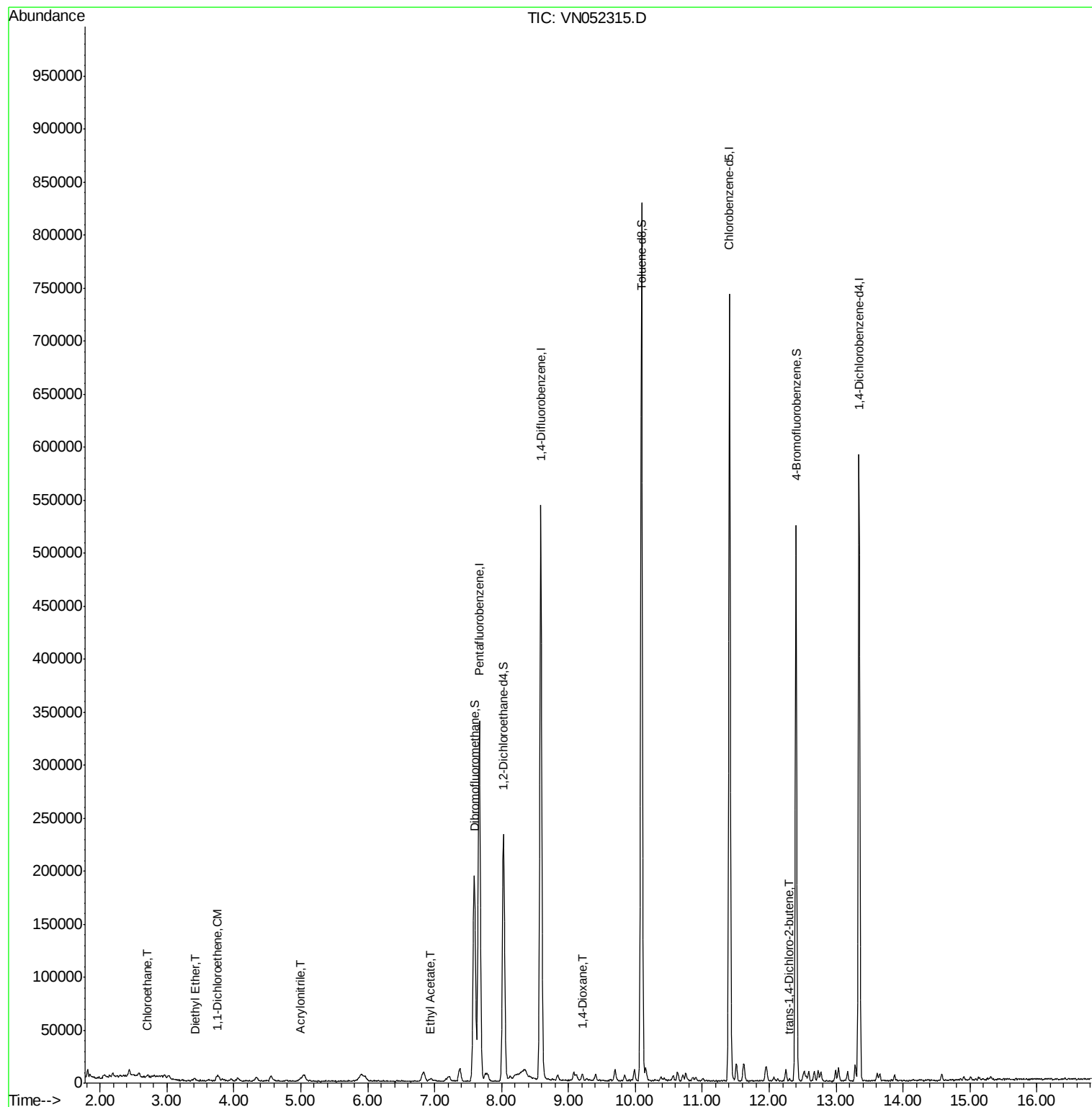
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111418\
Data File : VN052315.D
Acq On : 14 Nov 2018 16:15
Operator : MD\SY
Sample : J5164-07 0.5ppb
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 28

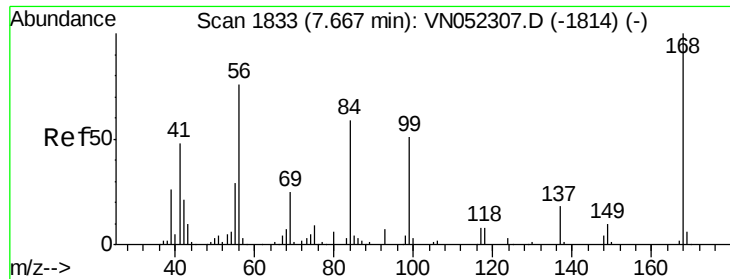
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:54:00 PM

Quant Time: Nov 15 04:27:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
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: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:168 Resp: 252234

Ion Ratio Lower Upper

168 100

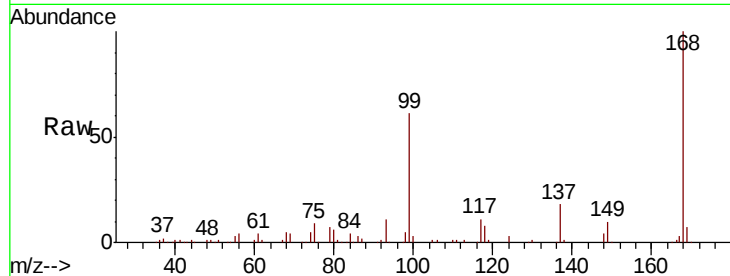
99 61.1 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:54:00 PM



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

120000

100000

80000

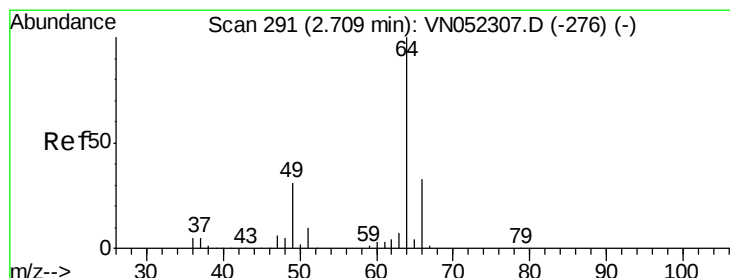
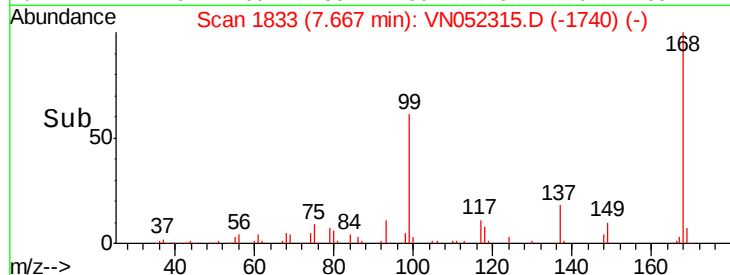
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 0.743 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN052315.D

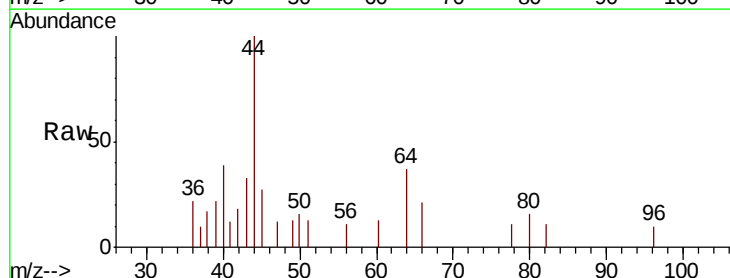
Acq: 14 Nov 2018 16:15

Tgt Ion: 64 Resp: 1348

Ion Ratio Lower Upper

64 100

66 56.9 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VN052307.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN052307.D (-276) (-)

2.72

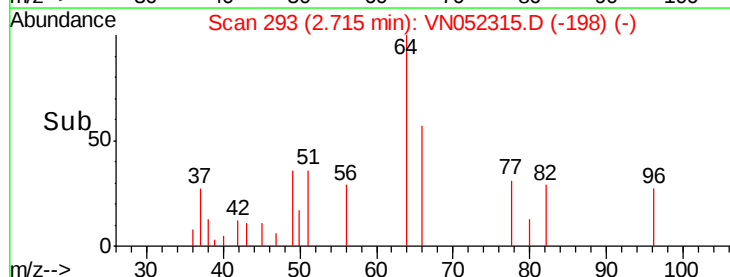
600

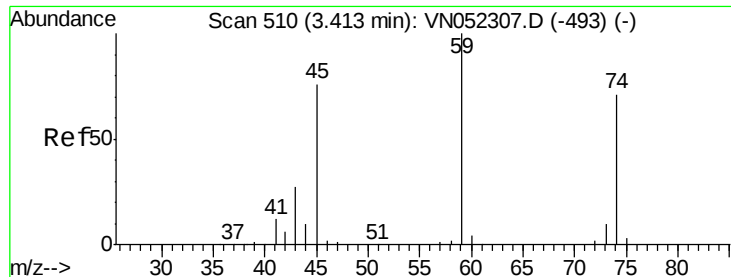
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.477 ug/l m

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion: 74 Resp: 808

Ion Ratio Lower Upper

74 100

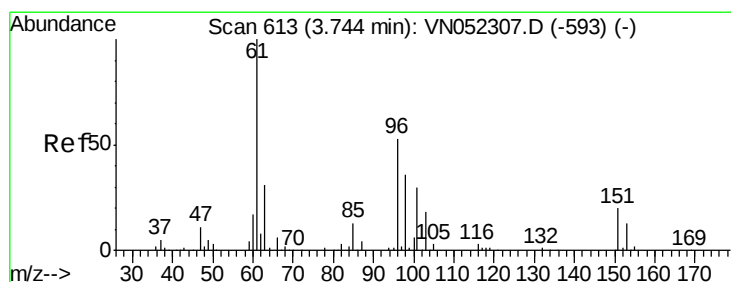
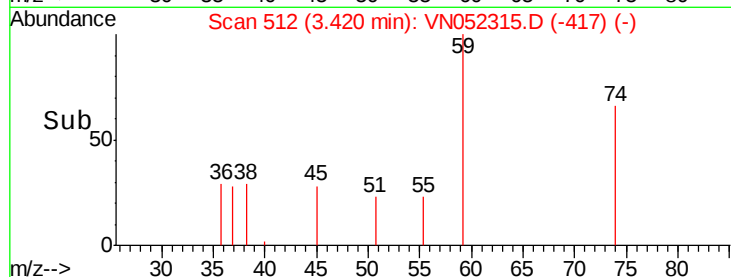
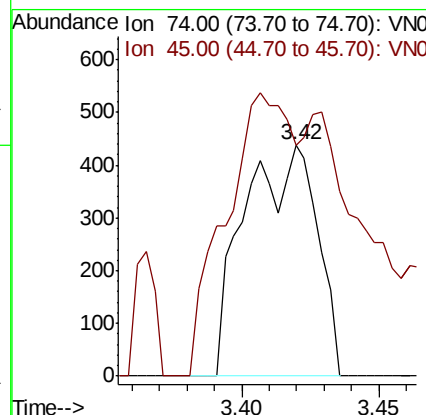
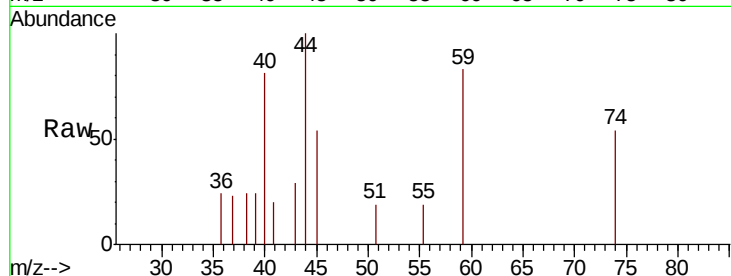
45 0.0 54.3 162.9#

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:54:00 PM



#12

1,1-Dichloroethene

Concen: 0.541 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

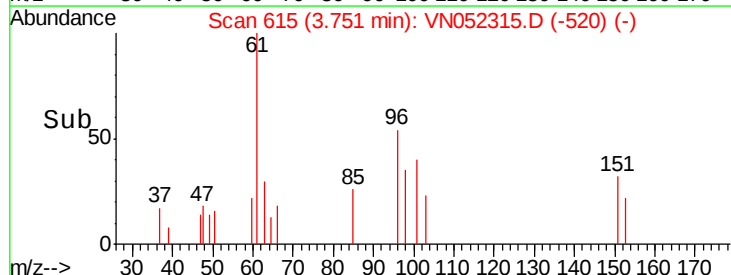
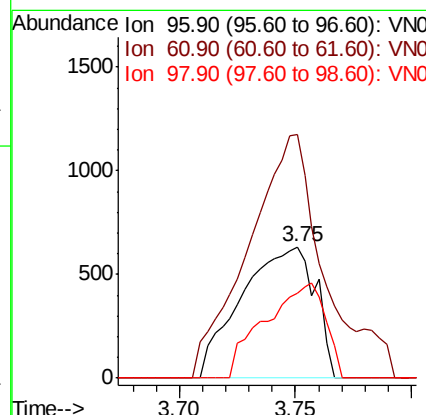
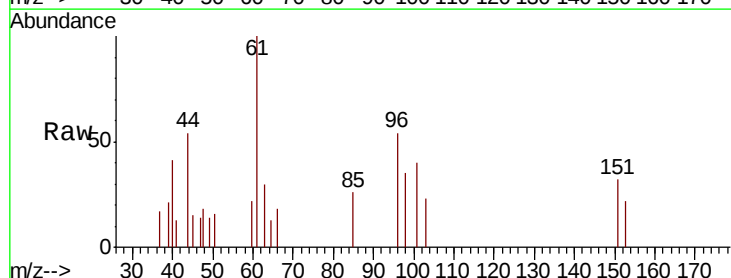
Tgt Ion: 96 Resp: 1406

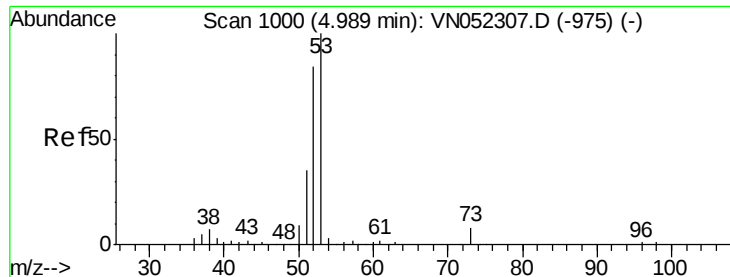
Ion Ratio Lower Upper

96 100

61 185.5 149.6 224.4

98 64.3 54.2 81.2





#15

Acrylonitrile

Concen: 2.897 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

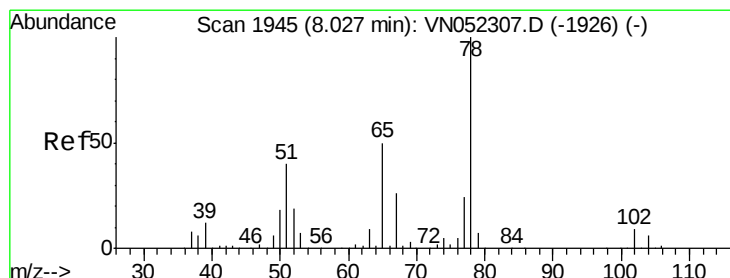
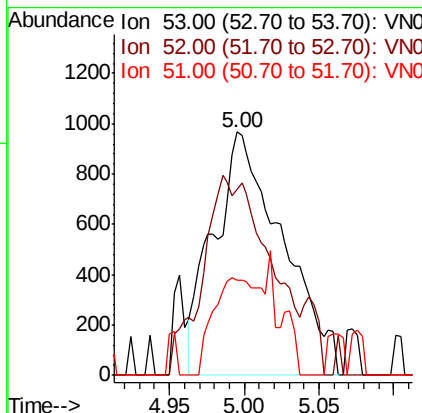
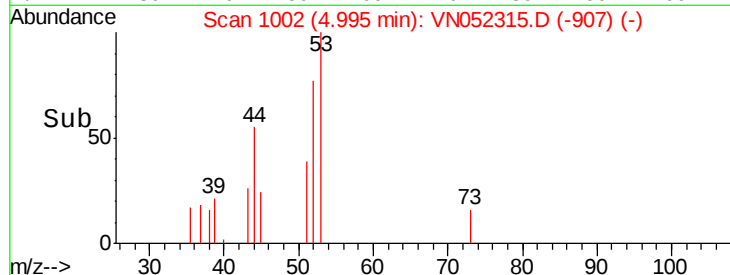
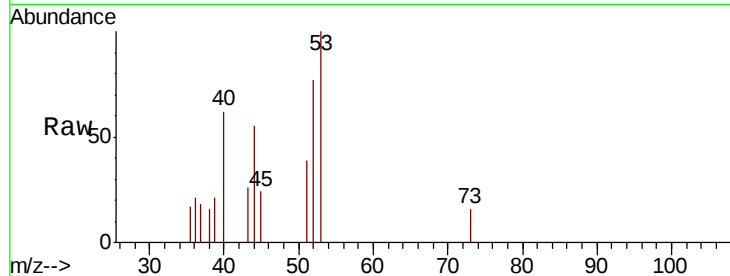
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:	53	Resp:	3112
Ion	Ratio	Lower	Upper
53	100		
52	36.4	67.5	101.3#
51	25.9	29.9	44.9#

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:54:00 PM



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

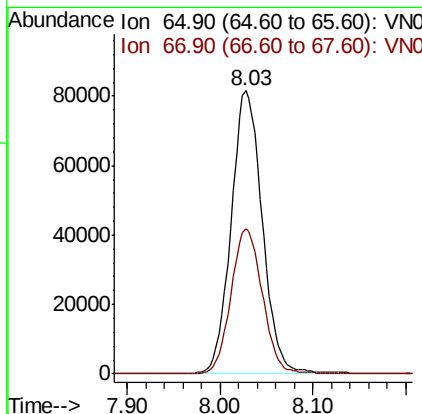
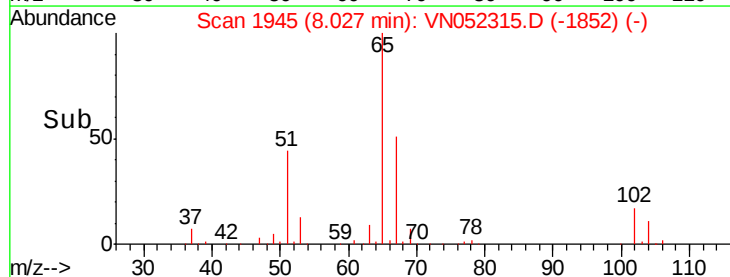
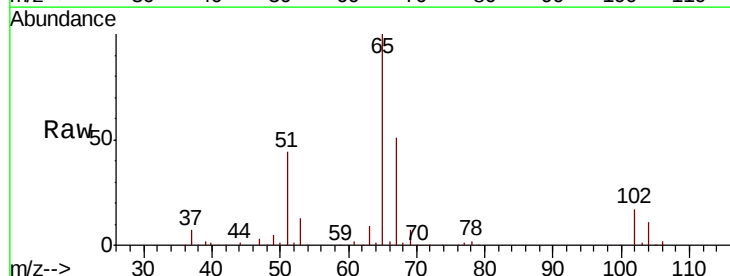
RT: 8.03 min Scan# 1945

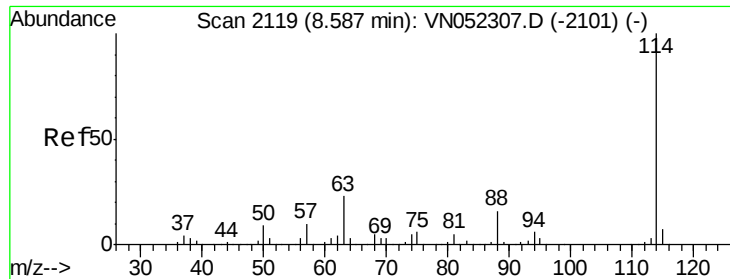
Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Tgt Ion:	65	Resp:	190171
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

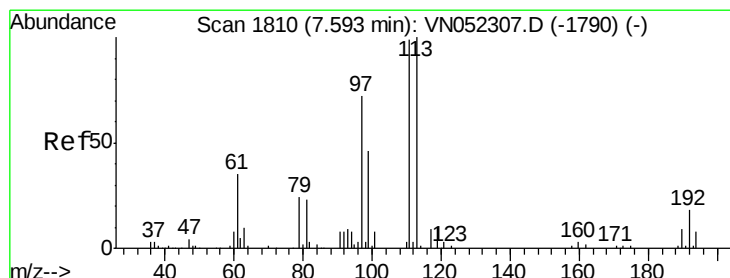
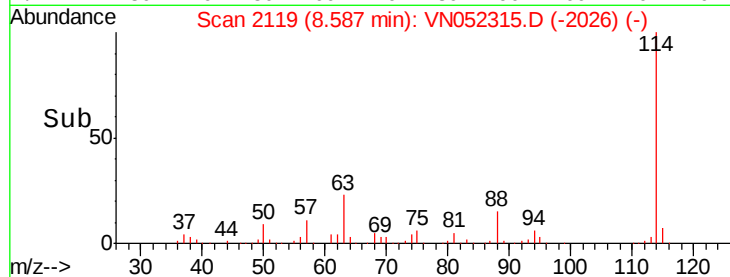
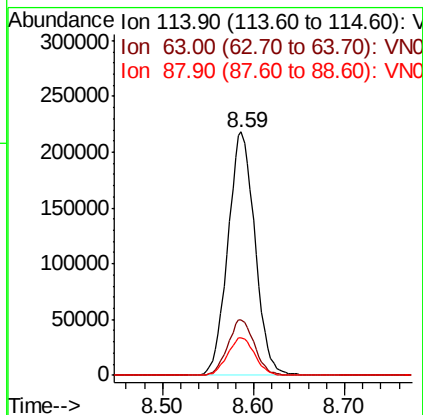
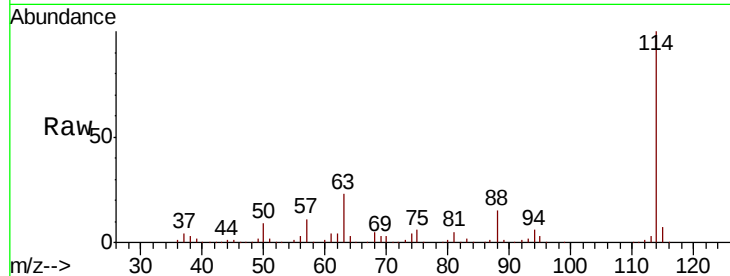
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:	114	Resp:	449818
Ion Ratio	Lower	Upper	
114	100		
63	22.8	0.0	45.4
88	15.5	0.0	31.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:54:00 PM



#35

Dibromofluoromethane

Concen: 50.000 ug/l

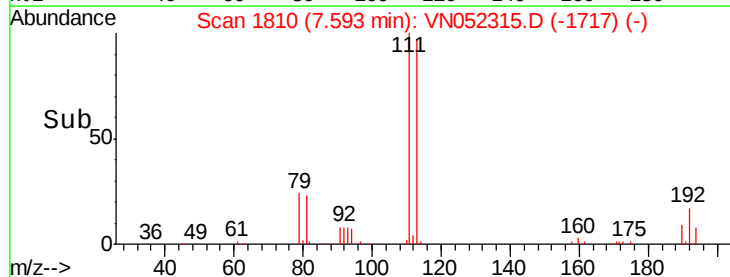
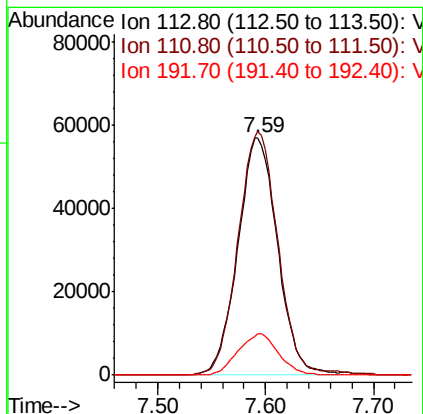
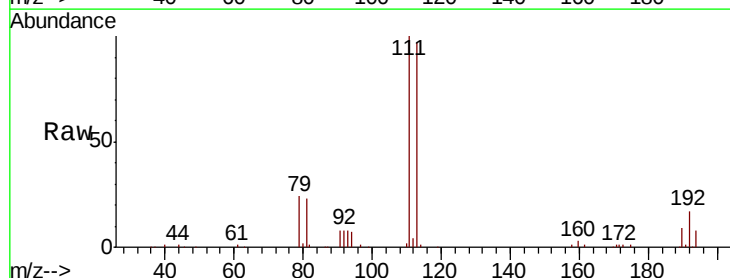
RT: 7.59 min Scan# 1810

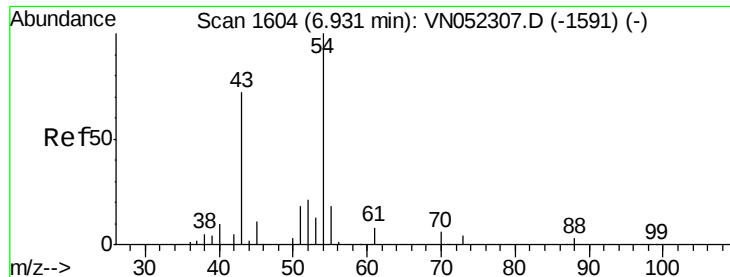
Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Tgt Ion:	113	Resp:	145653
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.0	121.6
192	17.6	13.8	20.6





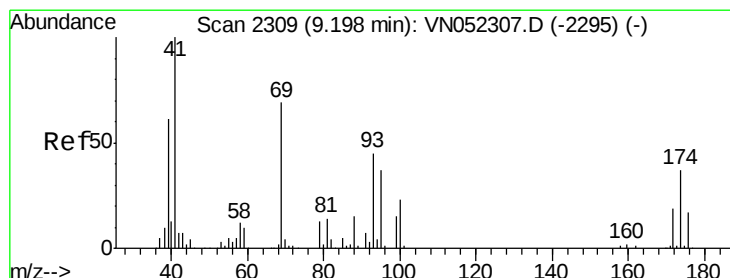
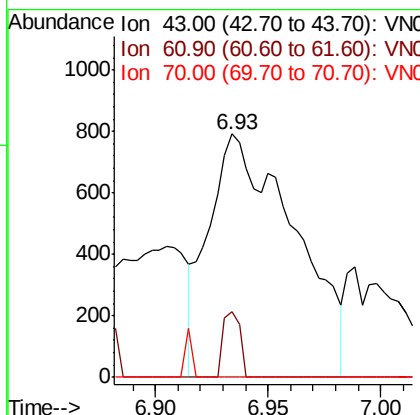
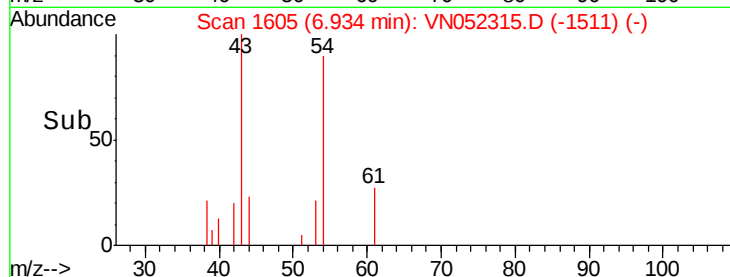
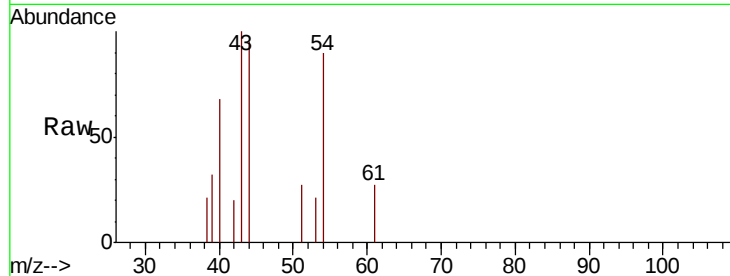
#37
Ethyl Acetate
Concen: 0.642 ug/l m
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
43	100		
61	5.3	10.3	15.5#
70	1.4	5.6	8.4#

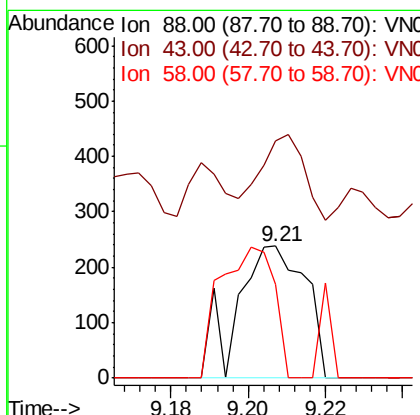
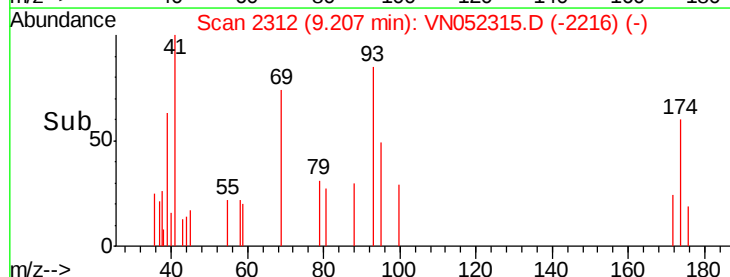
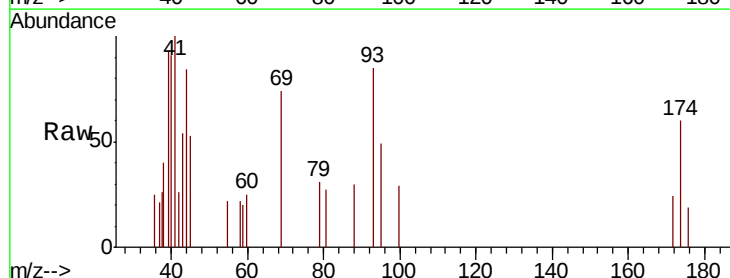
Manual Integrations
APPROVED

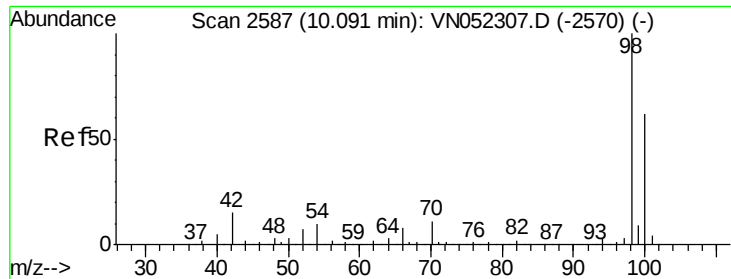
MMDadoda
11/20/2018 2:54:00 PM



#49
1,4-Dioxane
Concen: 11.954 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.5	33.3	49.9
58	78.2	59.2	88.8





#50

Toluene-d8

Concen: 11.954 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion: 98 Resp: 548585

Ion Ratio Lower Upper

98 100

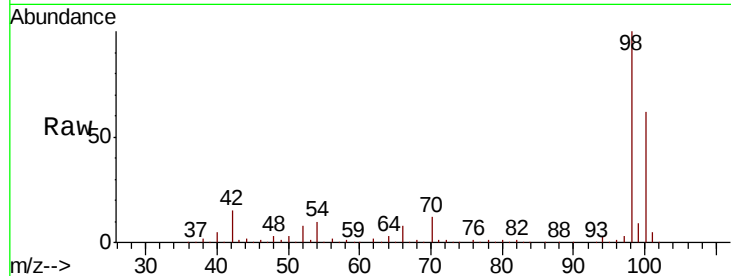
100 62.2 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:54:00 PM



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

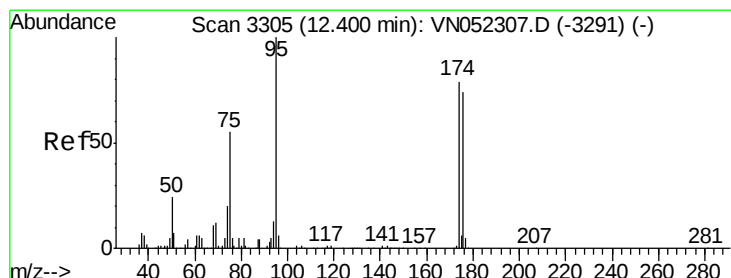
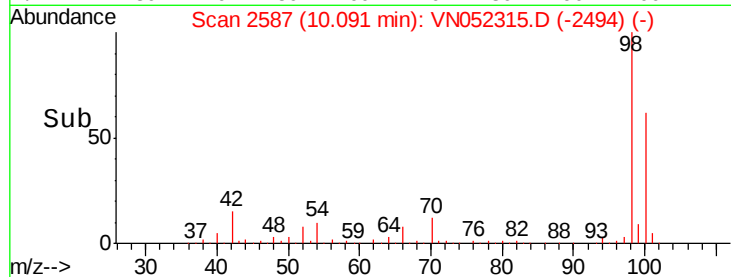
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

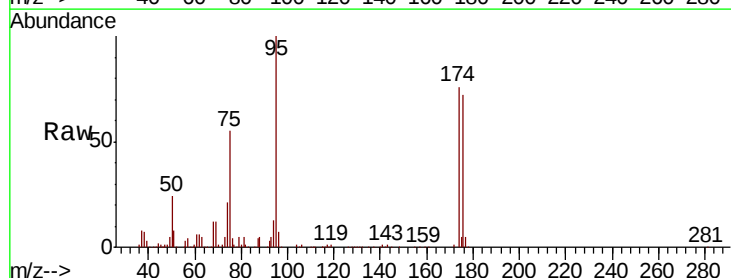
Tgt Ion: 95 Resp: 166284

Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.0

176 73.1 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

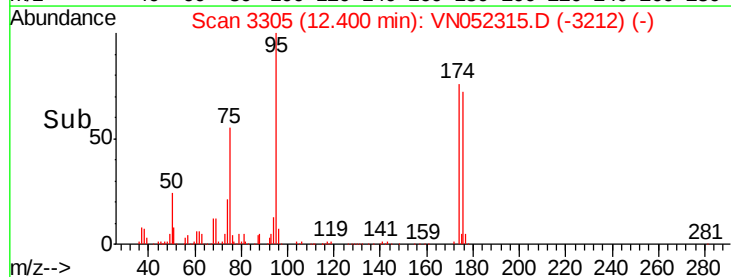
12.40

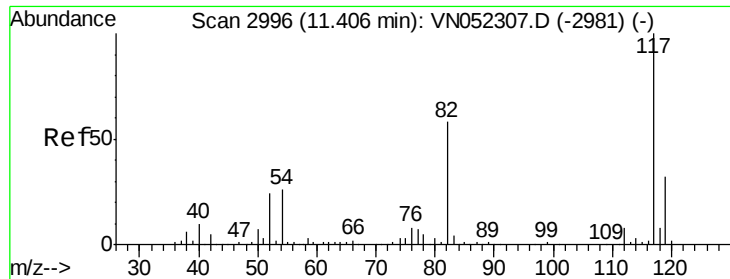
100000

50000

0

Time-->





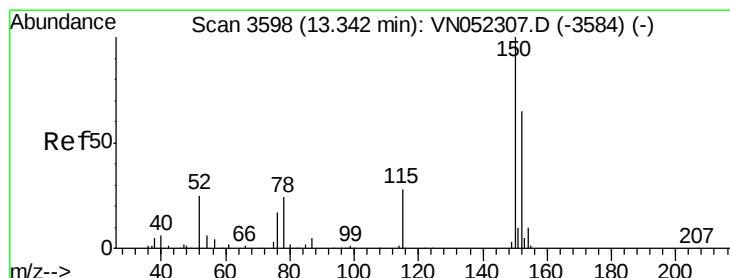
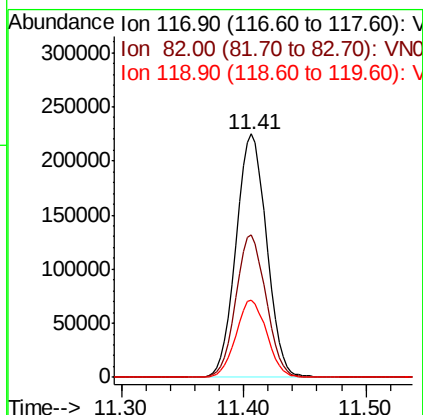
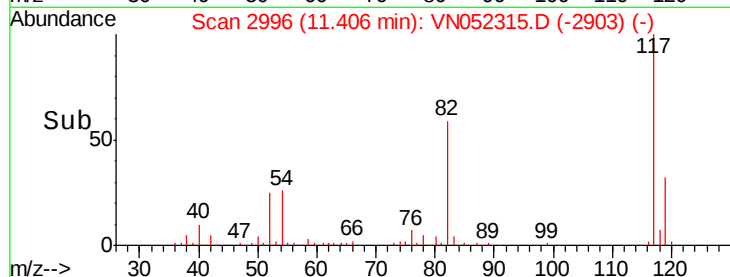
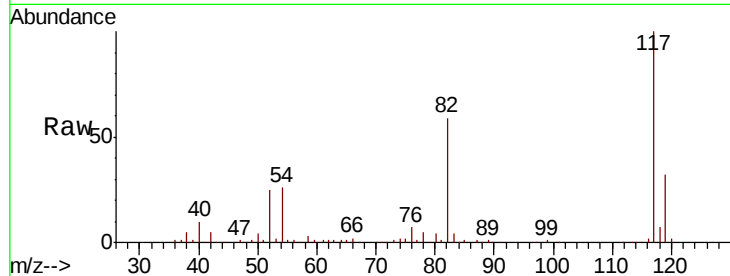
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tot Ion	Ratio	Resp	Lower	Upper
117	100	389676		
82	58.6	46.5	69.7	
119	31.9	25.7	38.5	

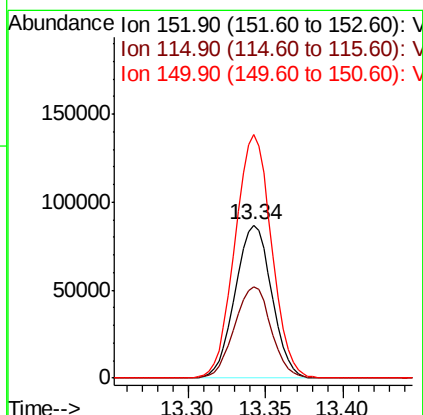
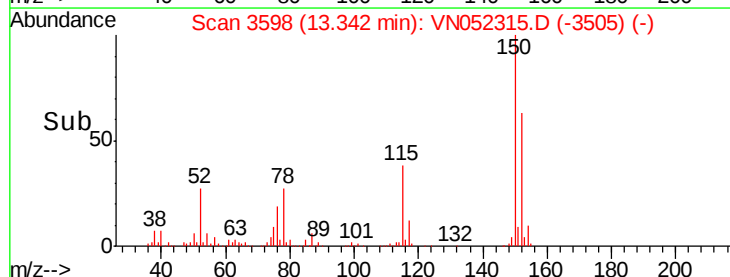
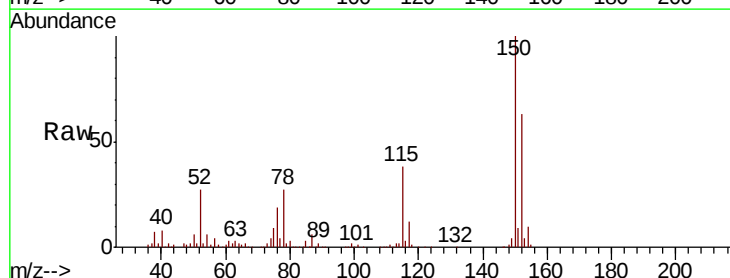
Manual Integrations
APPROVED

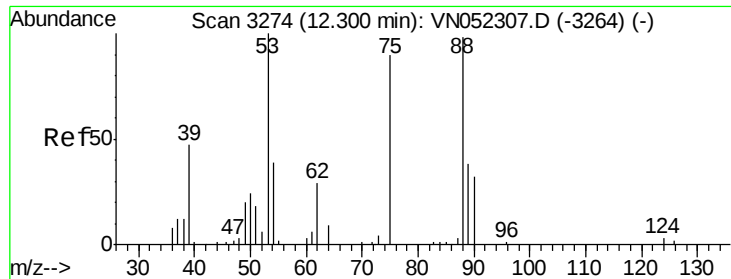
MMDadoda
11/20/2018 2:54:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052315.D
Acq: 14 Nov 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	142857		
115	59.9	30.3	91.0	
150	159.2	0.0	348.2	





#81

trans-1,4-Dichloro-2-butene

Concen: 0.231 ug/l m

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052315.D

Acq: 14 Nov 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:	75	Resp:	173
Ion Ratio	Lower	Upper	
75	100		
53	58.4	90.2	135.2#
89	0.0	35.4	53.0#

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:54:00 PM

