

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059235.D
 Acq On : 14 Nov 2019 15:44
 Operator : JC/SP
 Sample : K5843-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-318C-SRI4

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 11:39:39 AM

Quant Time: Nov 15 07:50:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	505654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	784363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	678793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235625	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	316385	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
35) Dibromofluoromethane	7.57	113	244475	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
50) Toluene-d8	10.08	98	954994	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	305520	45.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.86%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	3.74	101	16540	3.416	ug/l	95
12) 1,1-Dichloroethene	3.72	96	2986	0.633	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	24130	1.486	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	4659m	0.793	ug/l	
30) Chloroform	7.35	83	31778	3.241	ug/l	100
38) Carbon Tetrachloride	7.75	117	10015	1.372	ug/l #	97
44) Trichloroethene	8.82	130	131028	24.143	ug/l	99
64) Tetrachloroethene	10.63	164	184249	39.918	ug/l	99

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

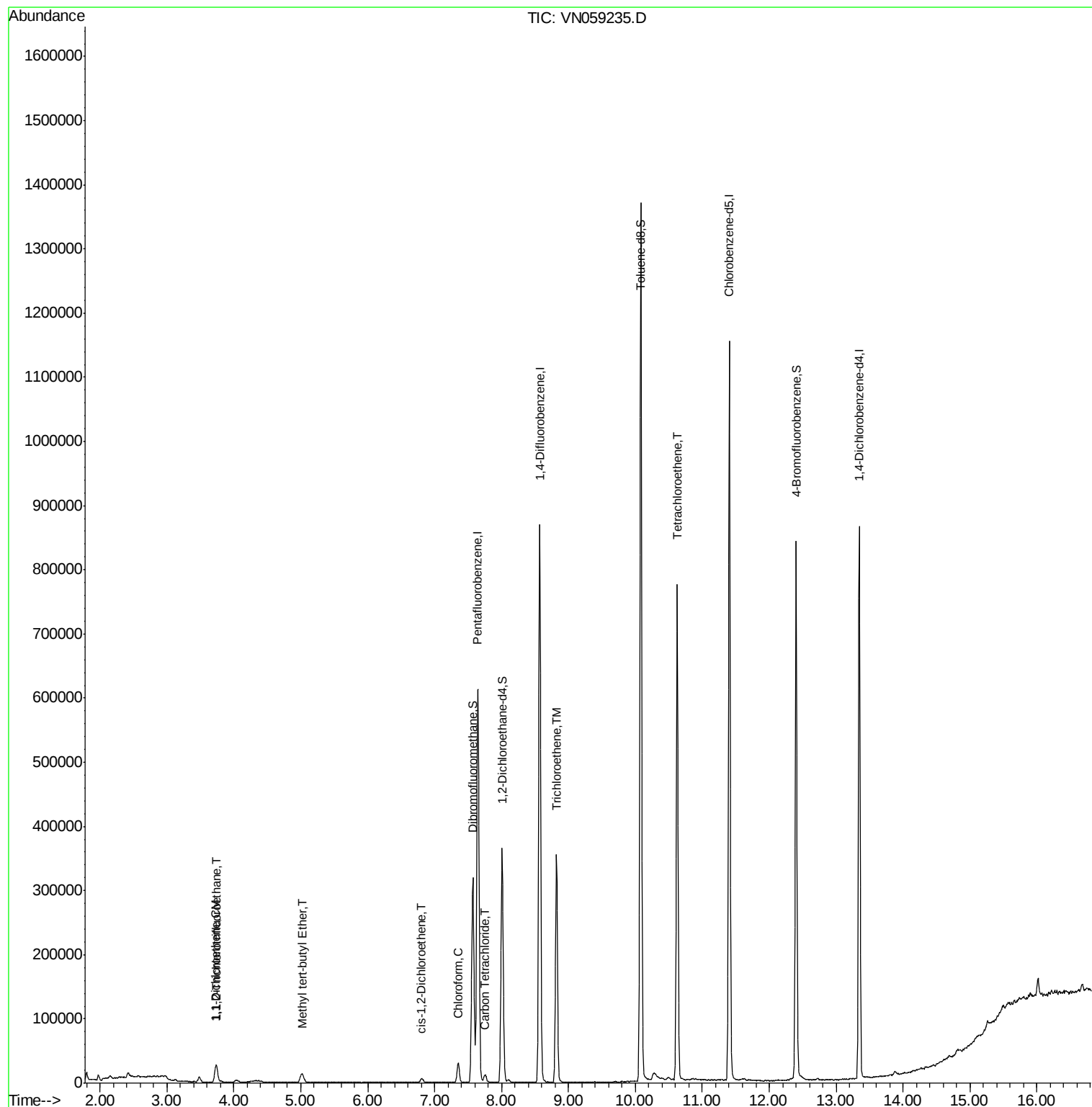
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111419\
Data File : VN059235.D
Acq On : 14 Nov 2019 15:44
Operator : JC/SP
Sample : K5843-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

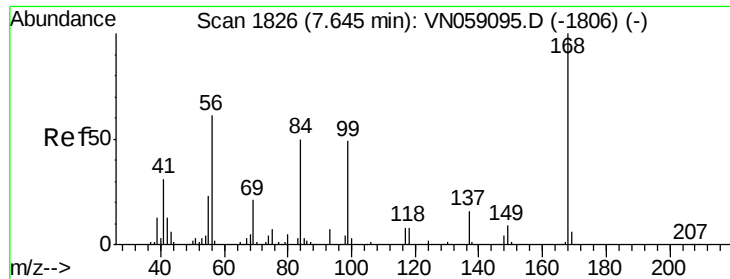
Instrument :
MSVOA_N
ClientSampleId :
MW-318C-SRI4

Manual Integrations
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11/15/2019 11:39:39 AM

Quant Time: Nov 15 07:50:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059235.D

Acq: 14 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

MW-318C-SRI4

Tot Ion:168 Resp: 505654

Ion Ratio Lower Upper

168 100

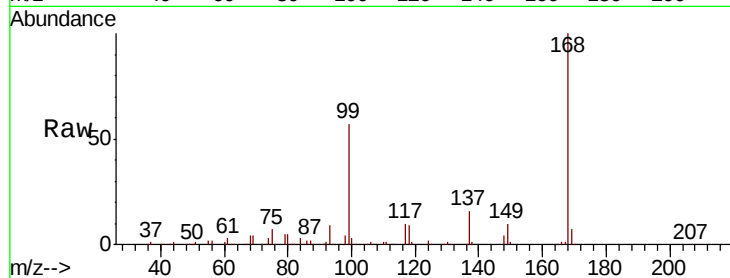
99 56.7 45.7 68.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

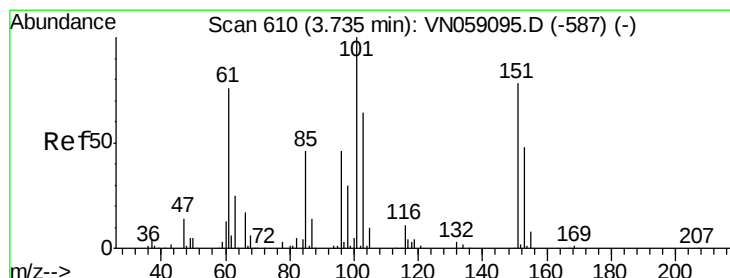
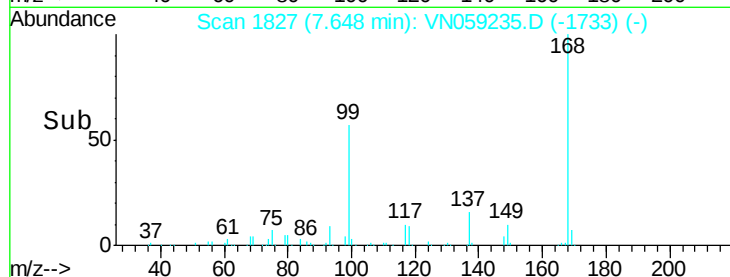
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.416 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059235.D

Acq: 14 Nov 2019 15:44

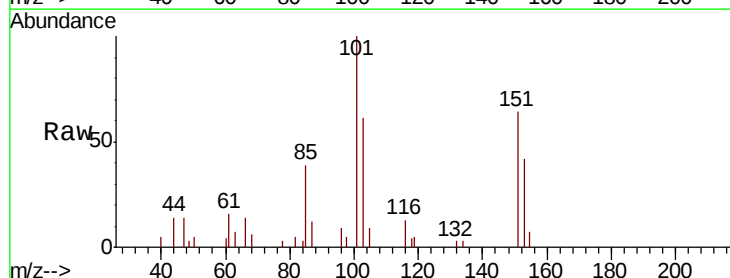
Tgt Ion:101 Resp: 16540

Ion Ratio Lower Upper

101 100

85 42.7 35.5 53.3

151 71.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.74

8000

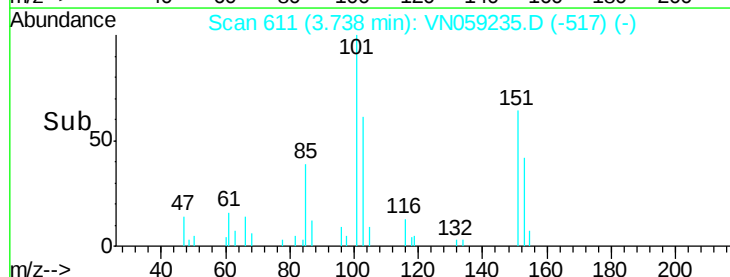
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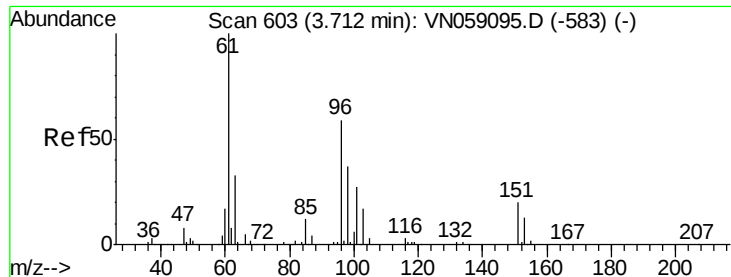
4000

2000

0

Time--> 3.65 3.70 3.75 3.80





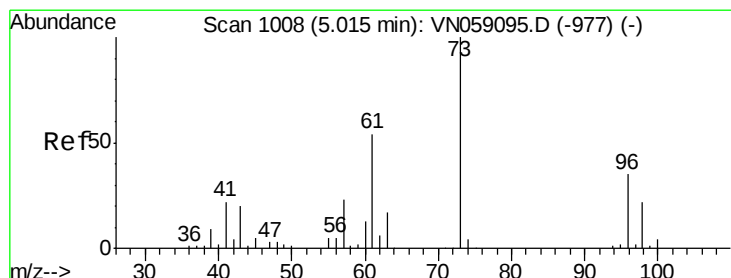
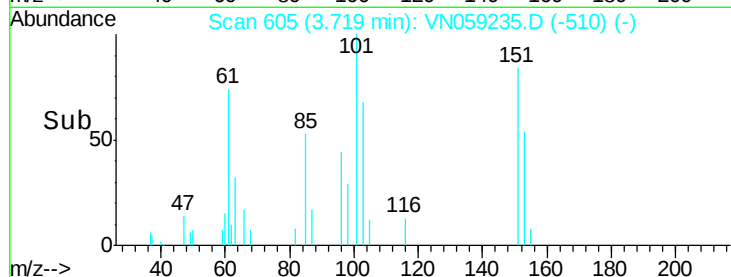
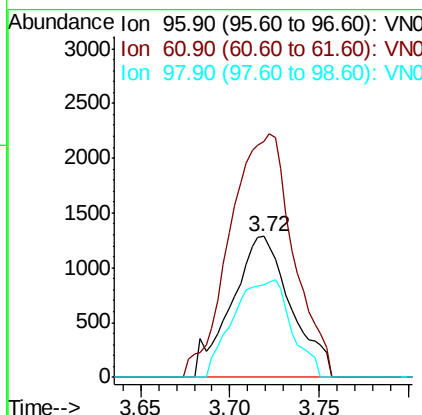
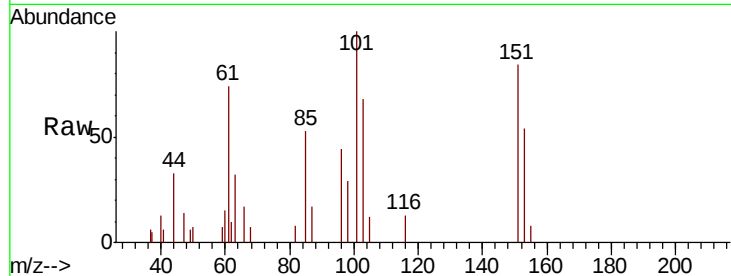
#12
 1,1-Dichloroethene
 Concen: 0.633 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN059235.D
 Acq: 14 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-318C-SRI4

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.5	136.5	204.7
98	65.3	50.2	75.4

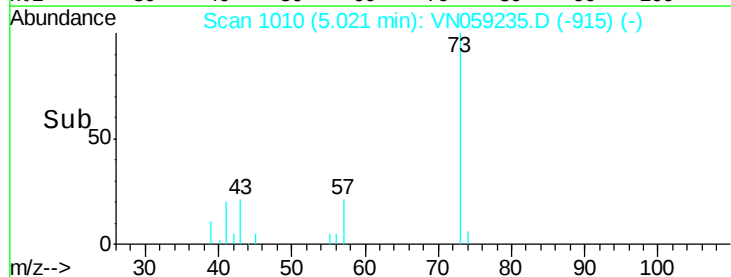
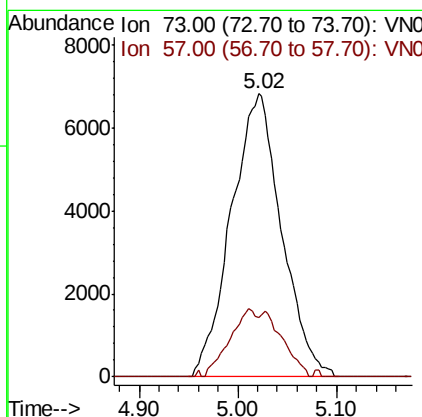
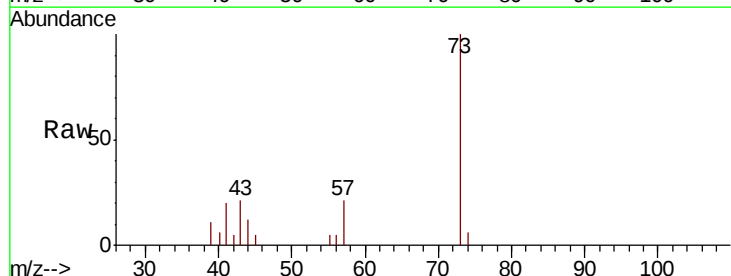
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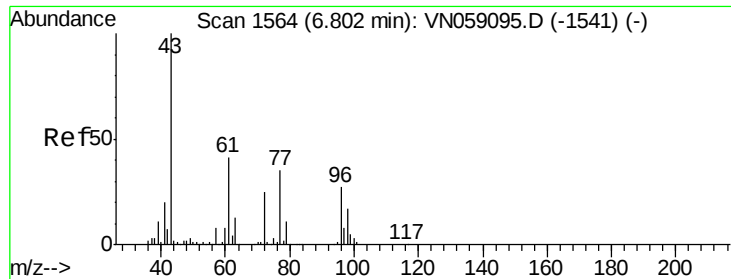
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#19
 Methyl tert-butyl Ether
 Concen: 1.486 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VN059235.D
 Acq: 14 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.4	27.6





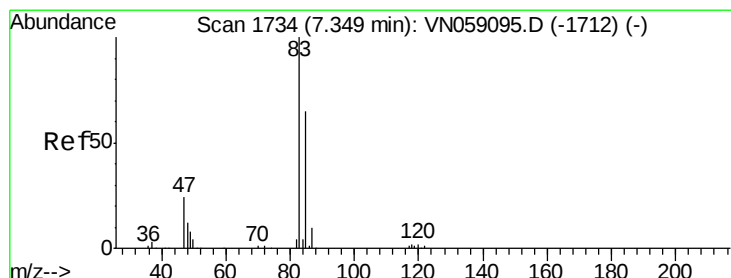
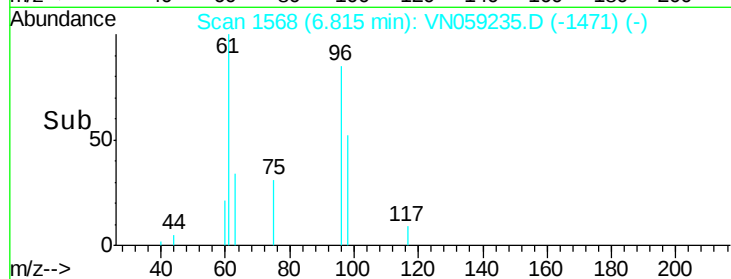
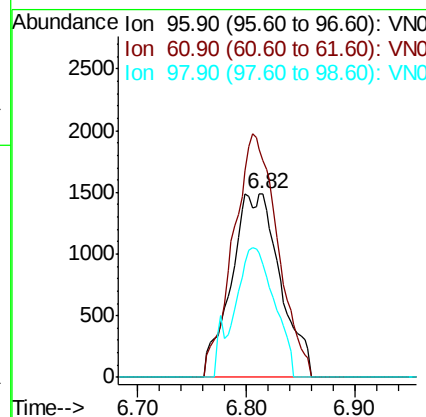
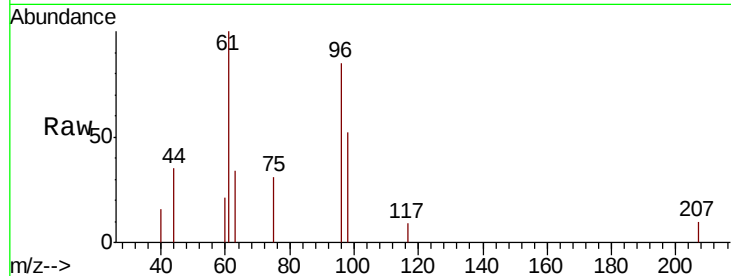
#27
 cis-1,2-Dichloroethene
 Concen: 0.793 ug/l m
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VN059235.D
 Acq: 14 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampled :
 MW-318C-SRI4

Tot Ion	Ratio	Resp	Lower	Upper
96	100	4659		
61	120.6		0.0	311.6
98	52.4		0.0	129.8

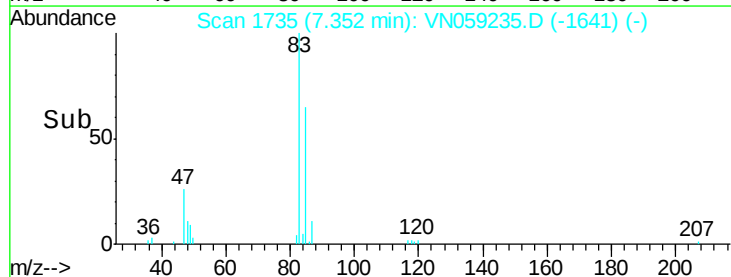
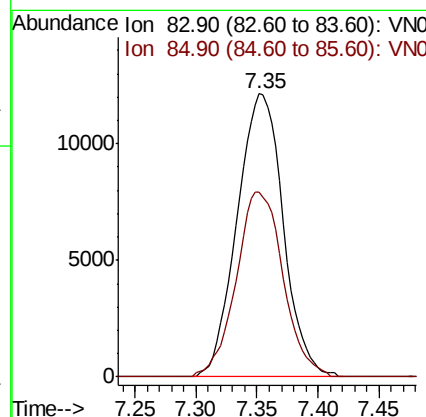
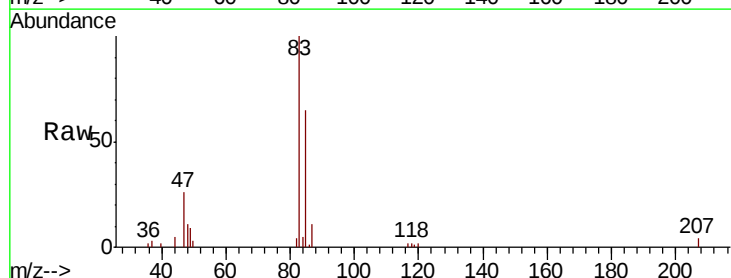
Manual Integrations
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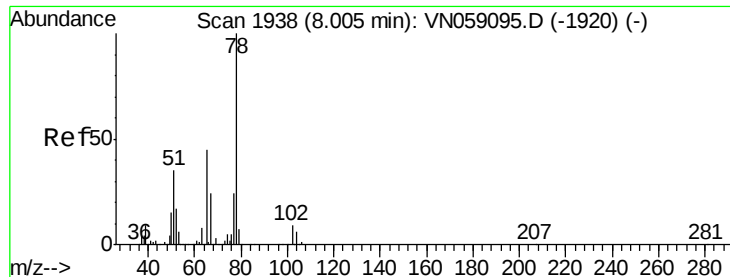
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 11/15/2019 11:39:39 AM



#30
 Chloroform
 Concen: 3.241 ug/l
 RT: 7.35 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: VN059235.D
 Acq: 14 Nov 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	31778		
85	65.1		51.8	77.8





#33

1,2-Dichloroethane-d4

Concen: 50.900 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059235.D

Acq: 14 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

MW-318C-SRI4

Tot Ion: 65 Resp: 316385

Ion Ratio Lower Upper

65 100

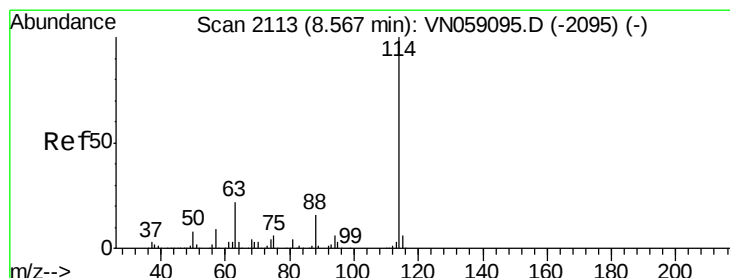
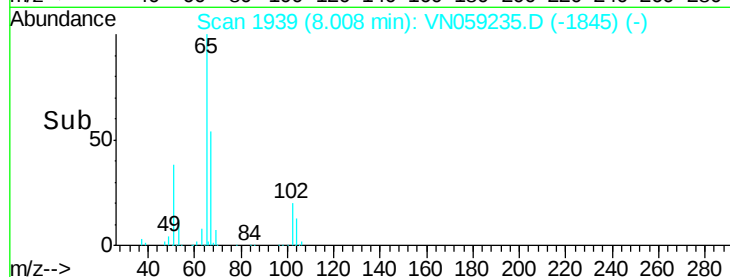
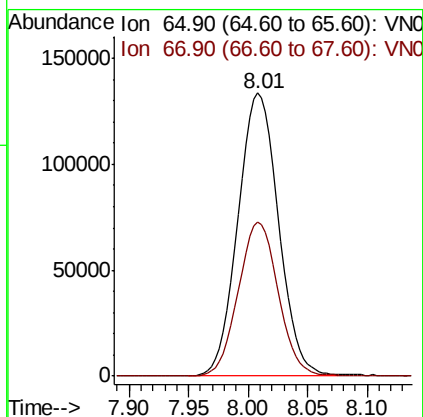
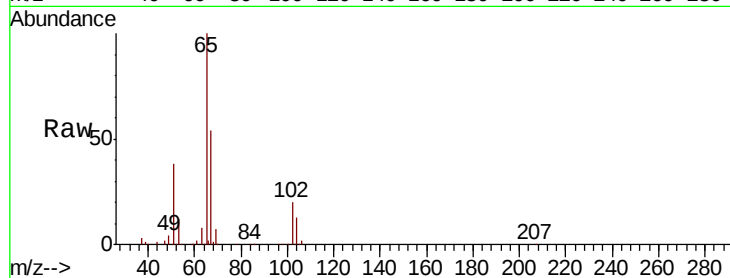
67 53.7 0.0 107.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059235.D

Acq: 14 Nov 2019 15:44

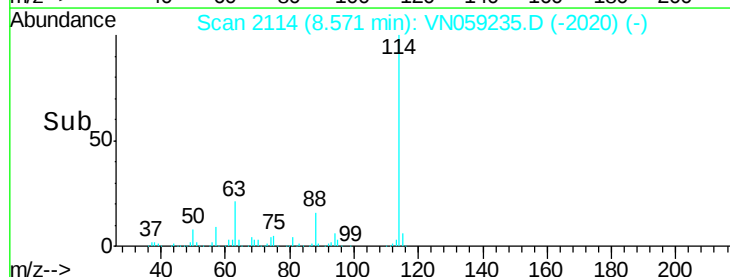
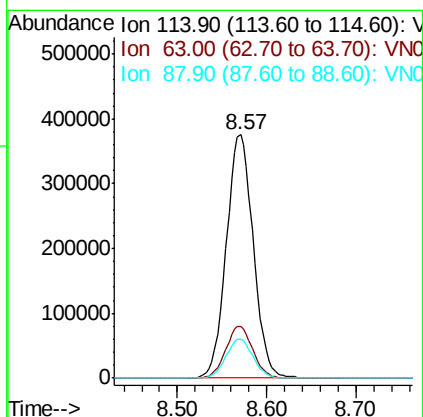
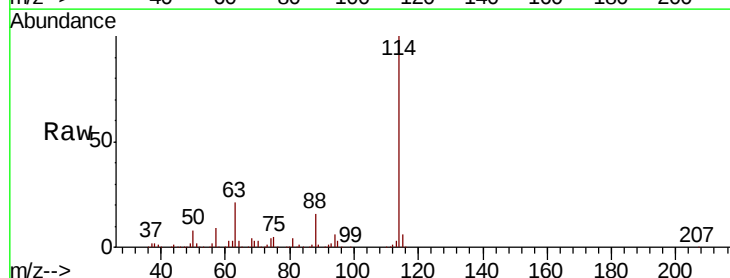
Tgt Ion: 114 Resp: 784363

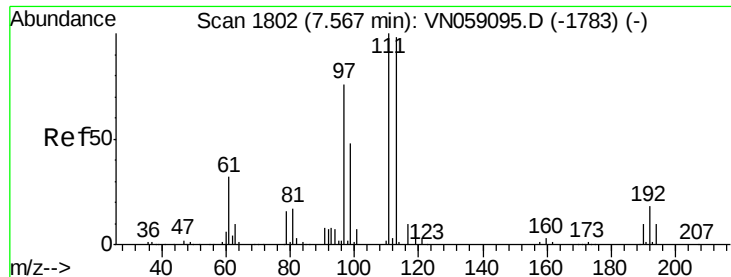
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 16.2 0.0 32.2





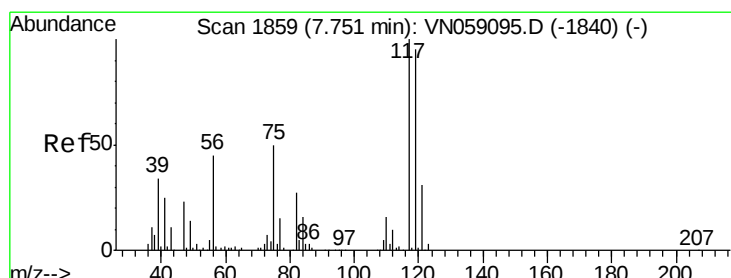
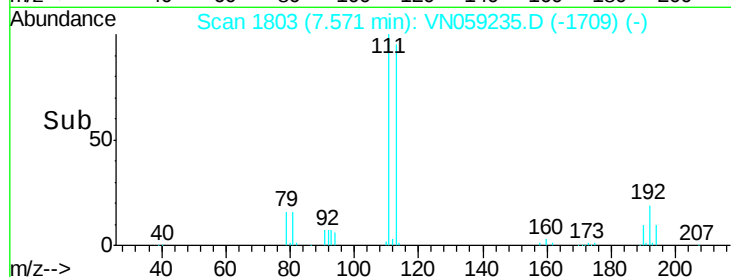
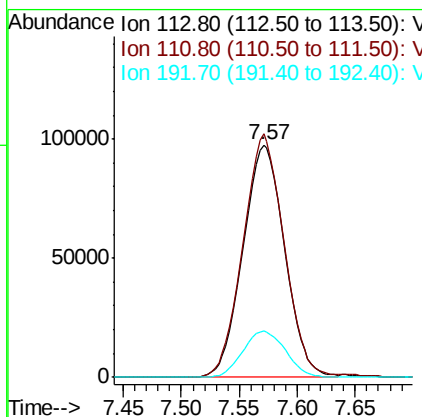
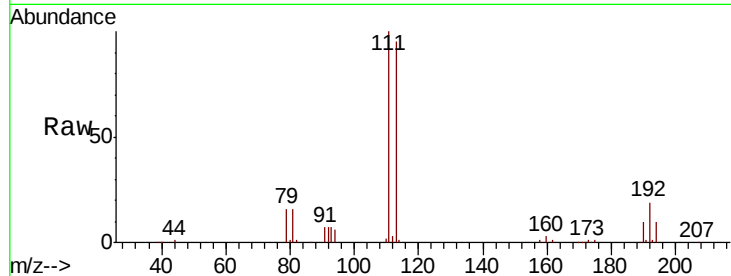
#35
Dibromofluoromethane
Concen: 52.200 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059235.D
Acq: 14 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
MW-318C-SRI4

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244475		
111	103.9	82.8	124.2	
192	20.5	16.1	24.1	

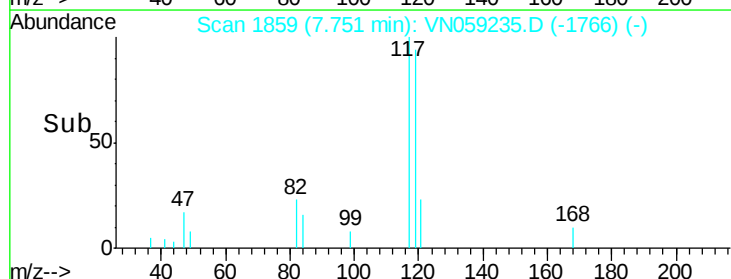
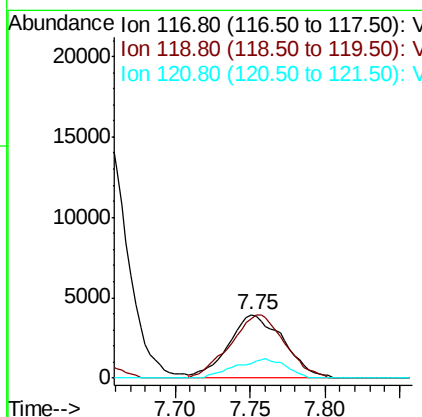
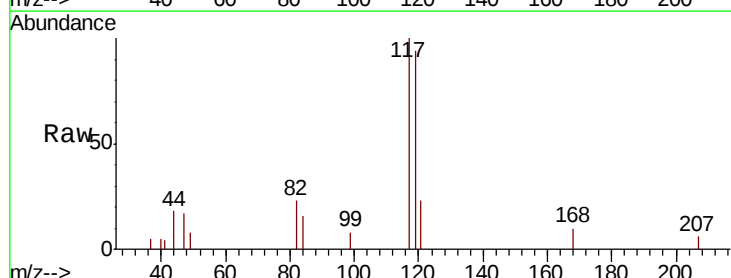
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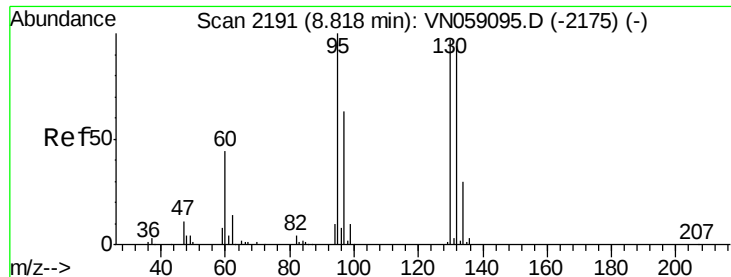
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#38
Carbon Tetrachloride
Concen: 1.372 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059235.D
Acq: 14 Nov 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	10015		
119	94.4	75.6	113.4	
121	23.4	24.6	36.8#	





#44

Trichloroethene

Concen: 24.143 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059235.D

Acq: 14 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

MW-318C-SRI4

Tot Ion:130 Resp: 131028

Ion Ratio Lower Upper

130 100

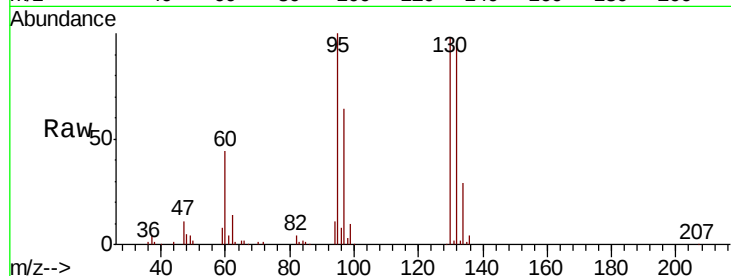
95 101.7 0.0 206.4

Manual Integrations

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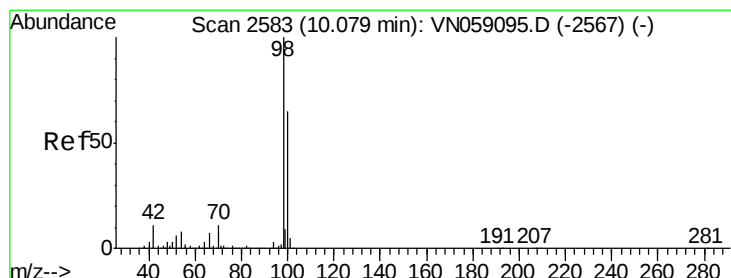
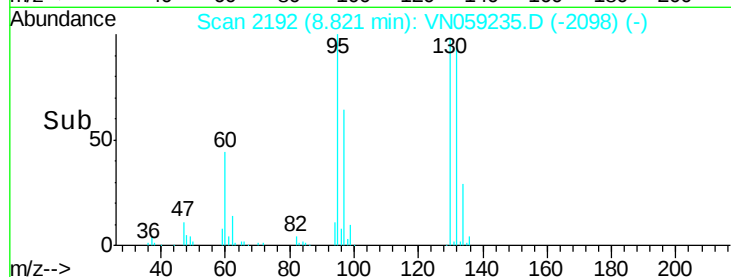
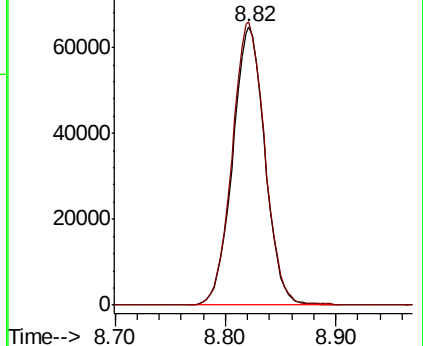
MMDadoda

11/15/2019 11:39:39 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 51.768 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059235.D

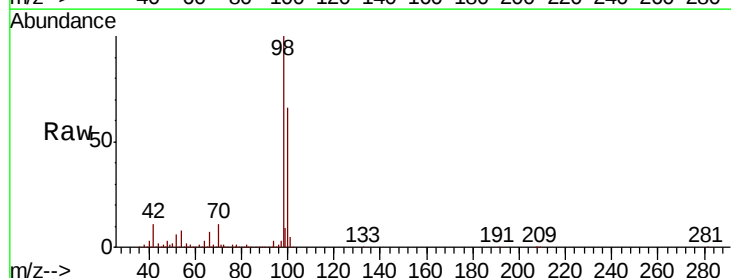
Acq: 14 Nov 2019 15:44

Tgt Ion: 98 Resp: 954994

Ion Ratio Lower Upper

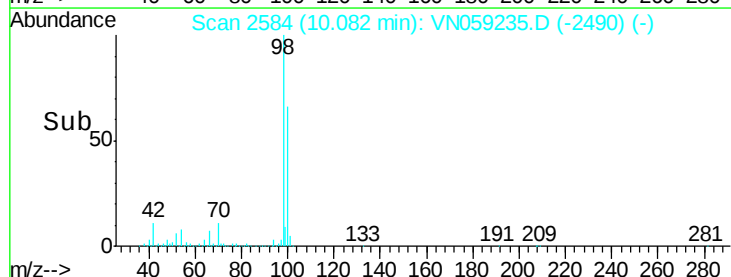
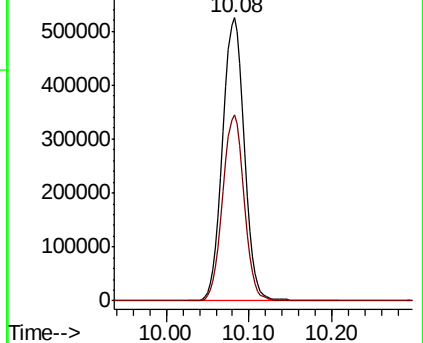
98 100

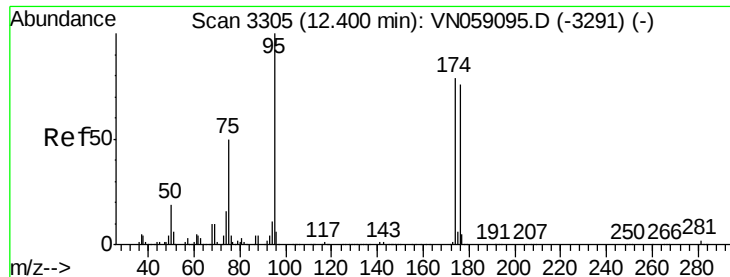
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





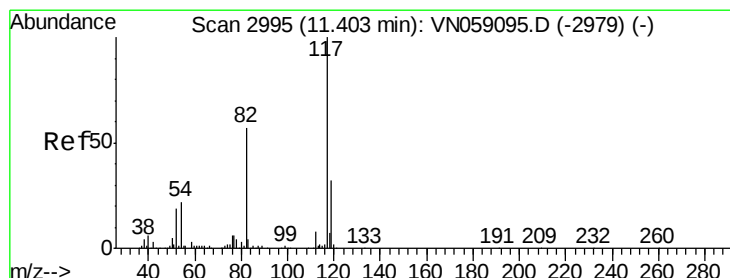
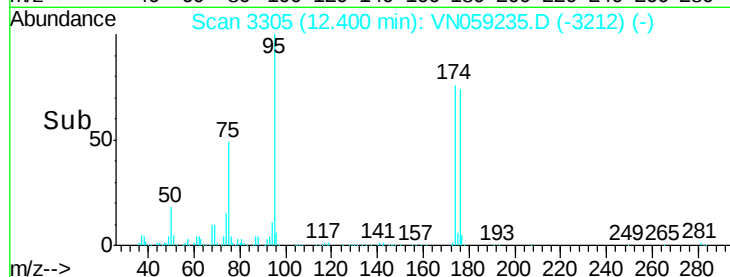
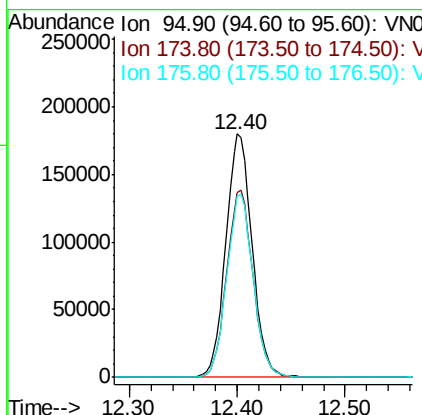
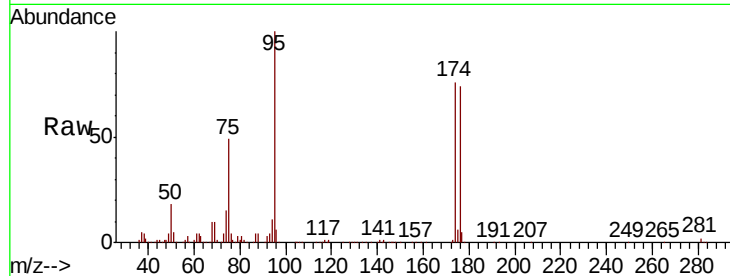
#62
4-Bromofluorobenzene
Concen: 45.933 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN059235.D
Acq: 14 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
MW-318C-SRI4

Tot Ion	Ratio	Resp	Lower	Upper
95	100	305520		
174	77.1	0.0	158.2	
176	75.6	0.0	151.8	

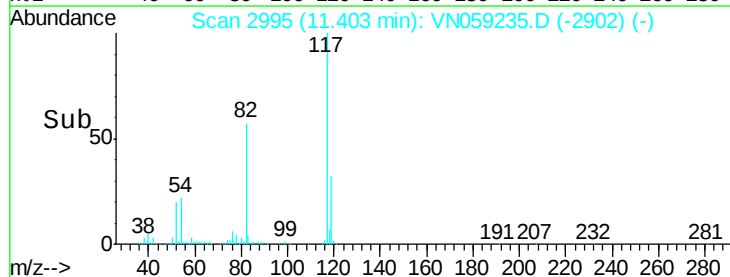
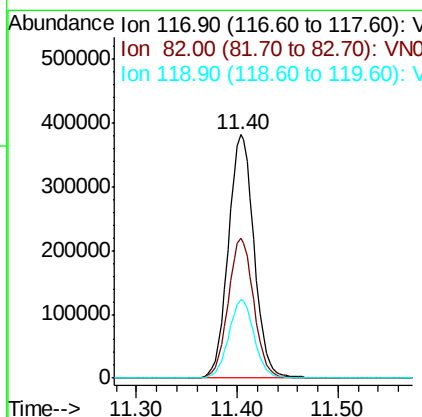
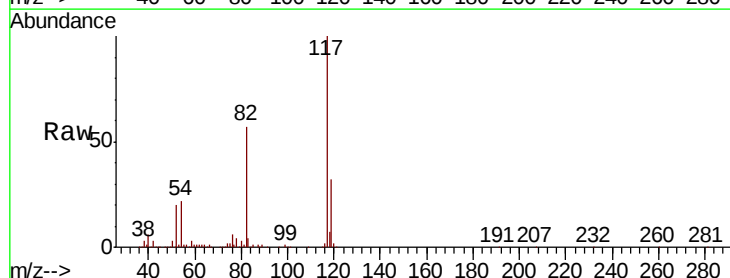
Manual Integrations
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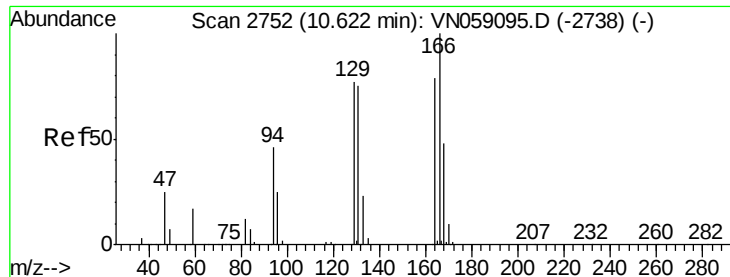
MMDadoda
11/15/2019 11:39:39 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059235.D
Acq: 14 Nov 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	678793		
82	57.5	45.8	68.8	
119	32.2	25.8	38.6	





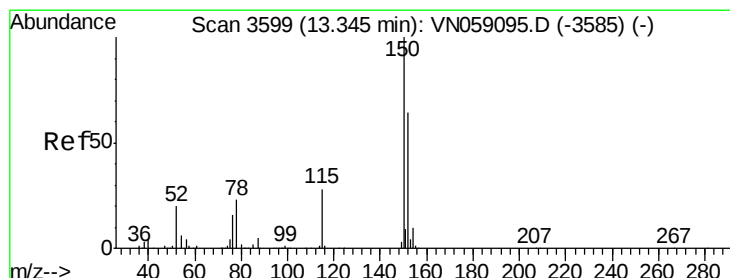
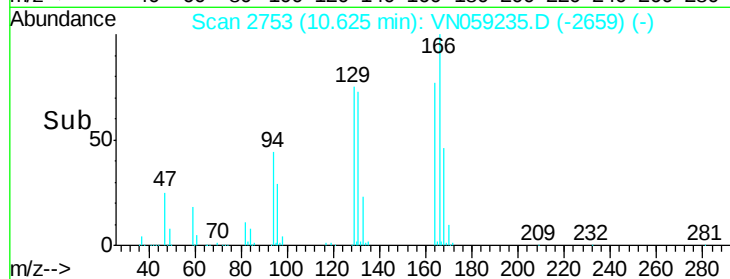
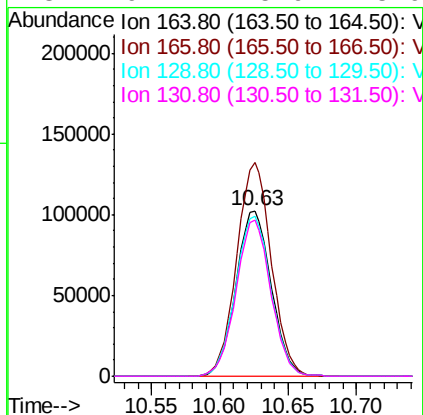
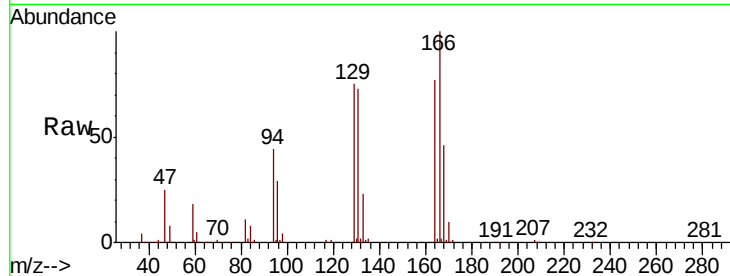
#64
Tetrachloroethene
Concen: 39.918 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059235.D
Acq: 14 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
MW-318C-SRI4

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.5	152.3
129	96.4	78.3	117.5
131	94.1	75.9	113.9

Manual Integrations
APPROVED

MMDadoda
11/15/2019 11:39:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059235.D
Acq: 14 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	29.4	88.2
150	157.9	0.0	345.8

