

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064020.D
 Acq On : 9 Oct 2020 4:52
 Operator : JC/MD
 Sample : L4291-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-B4-100620-0-1

Manual Integrations
 APPROVED

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 10/9/2020 4:53:21 PM

Quant Time: Oct 09 09:42:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	249909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	478905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	496107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186562	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	218020	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	
35) Dibromofluoromethane	7.55	113	157394	47.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.72%	
50) Toluene-d8	10.06	98	611510	48.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.38	95	229592	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
Target Compounds						
16) Acetone	3.79	43	15672m	12.331	ug/l	Qvalue
18) Methyl Acetate	4.28	43	4054	1.229	ug/l #	70
20) Methylene Chloride	4.50	84	10123	3.569	ug/l	98
43) Isopropyl Acetate	8.13	43	89566	11.265	ug/l	99

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

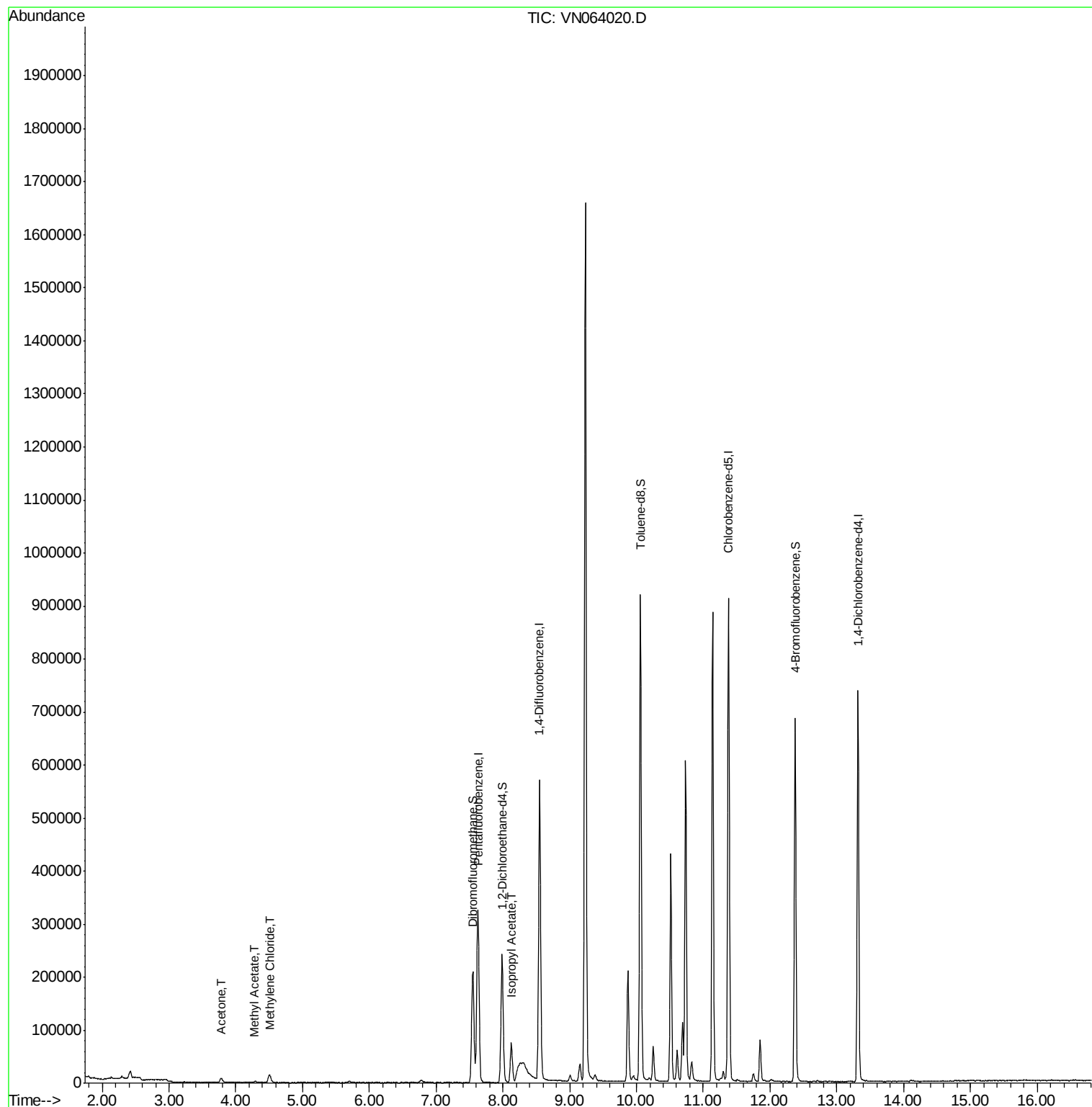
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
Data File : VN064020.D
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Operator : JC/MD
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PAV-B4-100620-0-1

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Quant Time: Oct 09 09:42:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064020.D

Acq: 9 Oct 2020 4:52

Instrument :

MSVOA_N

ClientSampleId :

PAV-B4-100620-0-1

Tot Ion:168 Resp: 249909

Ion Ratio Lower Upper

168 100

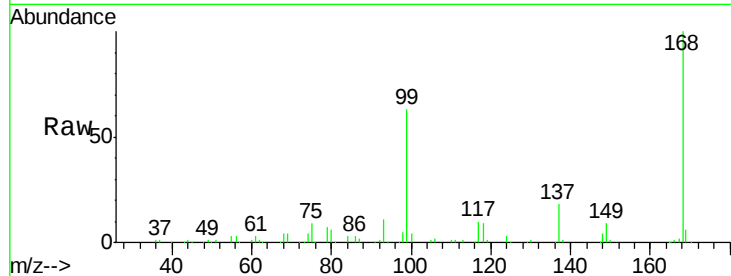
99 63.5 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

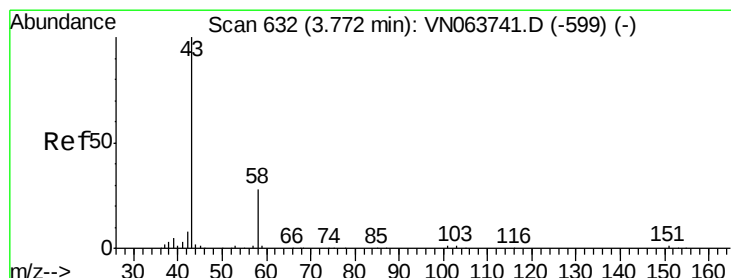
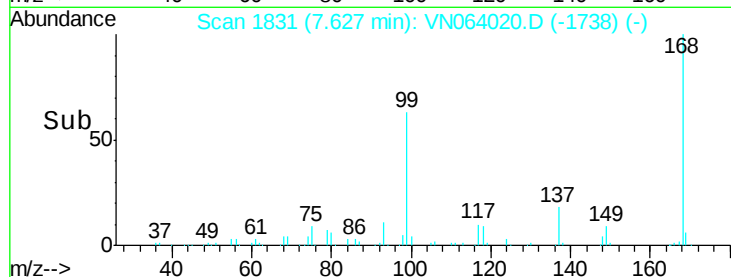
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 12.331 ug/l m

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN064020.D

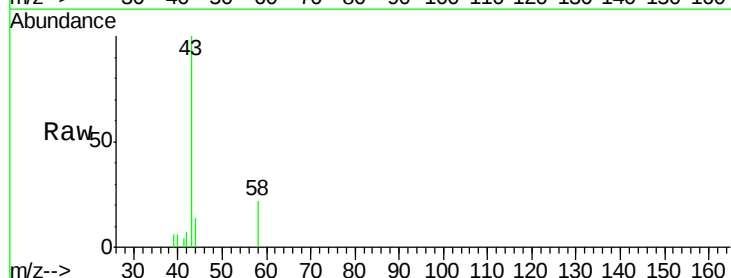
Acq: 9 Oct 2020 4:52

Tgt Ion: 43 Resp: 15672

Ion Ratio Lower Upper

43 100

58 21.5 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

6000

5000

4000

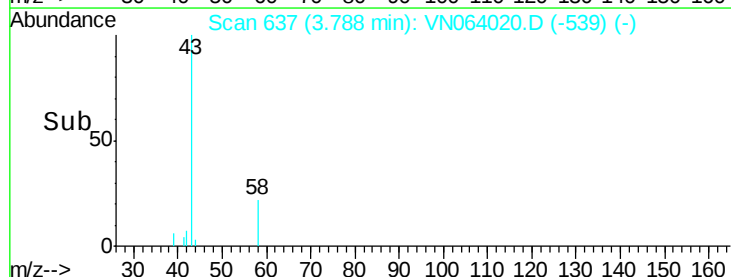
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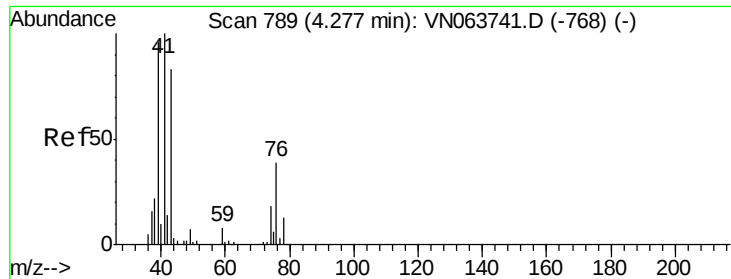
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





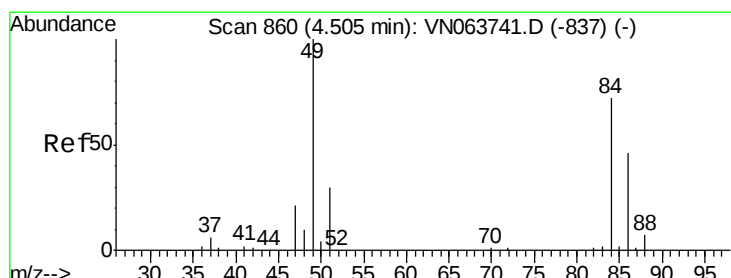
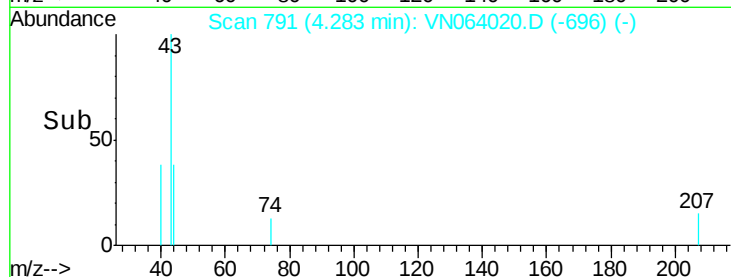
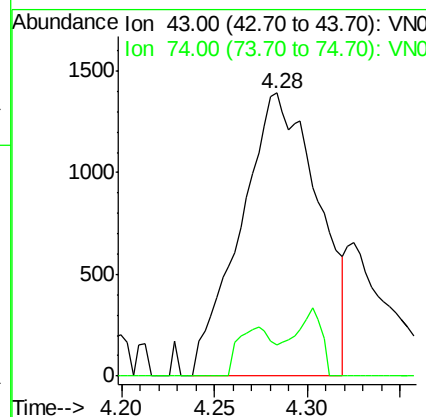
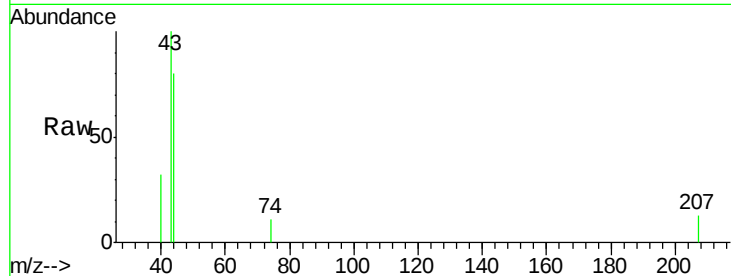
#18
Methyl Acetate
Concen: 1.229 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064020.D
Acq: 9 Oct 2020 4:52

Instrument :
MSVOA_N
ClientSampleId :
PAV-B4-100620-0-1

Tot Ion: 43 Resp: 4054
Ion Ratio Lower Upper
43 100
74 7.5 17.4 26.2#

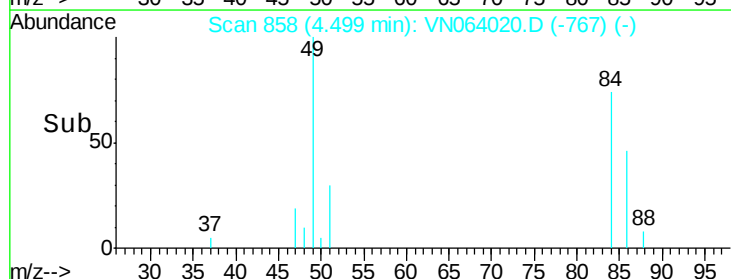
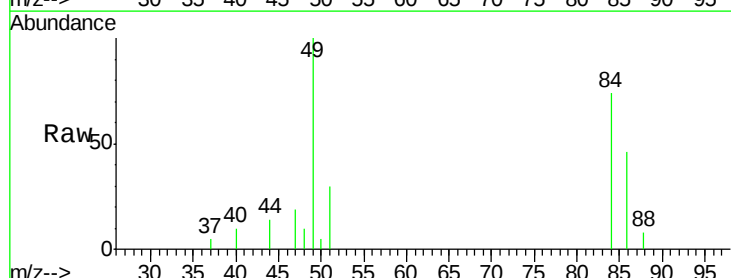
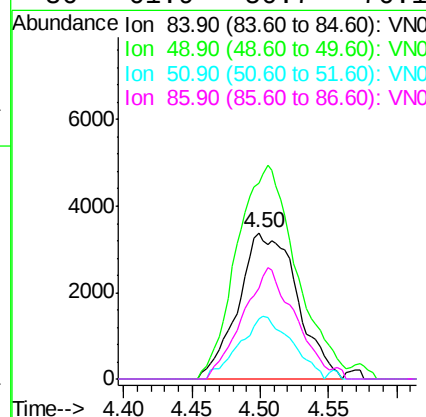
Manual Integrations
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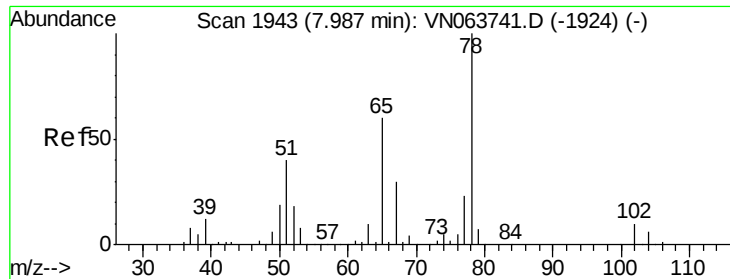
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#20
Methylene Chloride
Concen: 3.569 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064020.D
Acq: 9 Oct 2020 4:52

Tgt Ion: 84 Resp: 10123
Ion Ratio Lower Upper
84 100
49 134.3 110.4 165.6
51 40.9 33.3 49.9
86 61.9 50.7 76.1





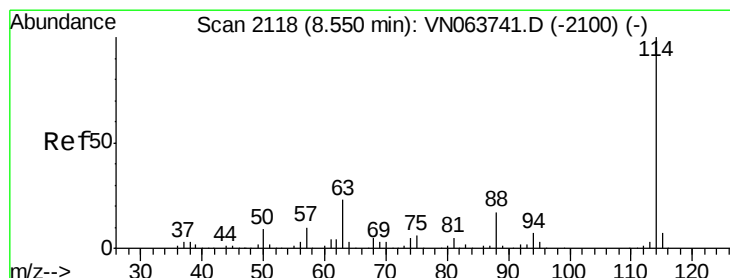
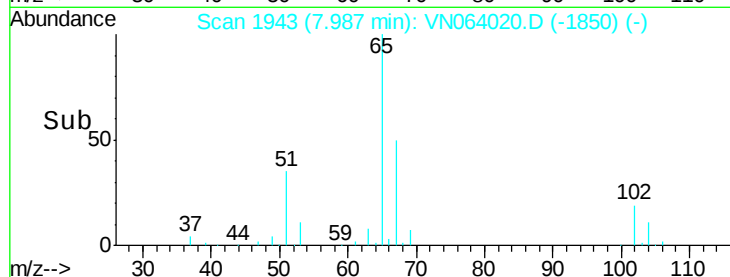
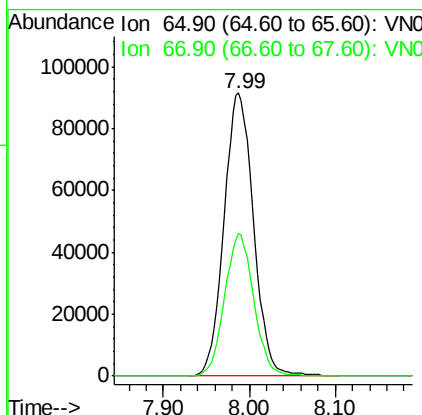
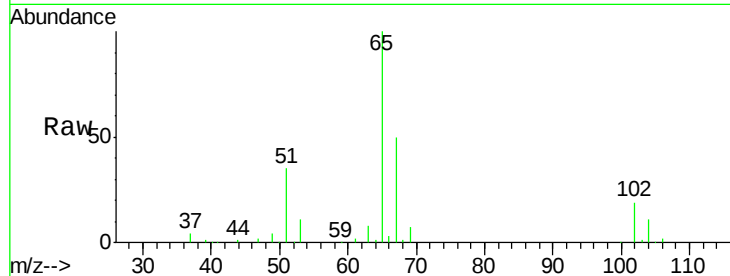
#33
 1,2-Dichloroethane-d4
 Concen: 52.806 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064020.D
 Acq: 9 Oct 2020 4:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-B4-100620-0-1

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218020		
67	49.6	0.0	99.6	

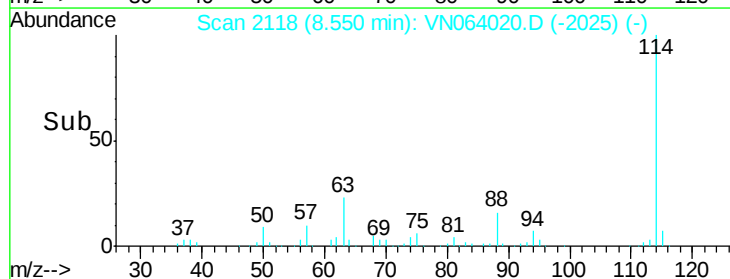
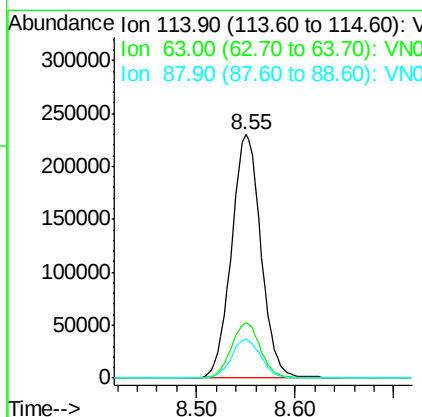
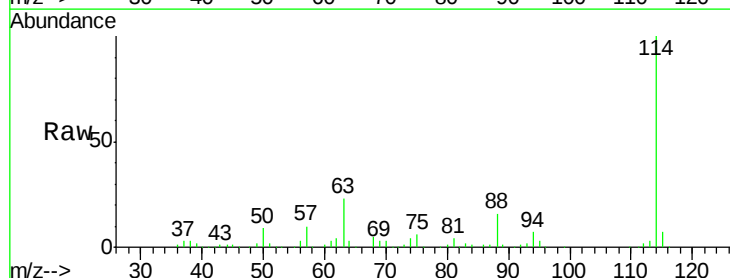
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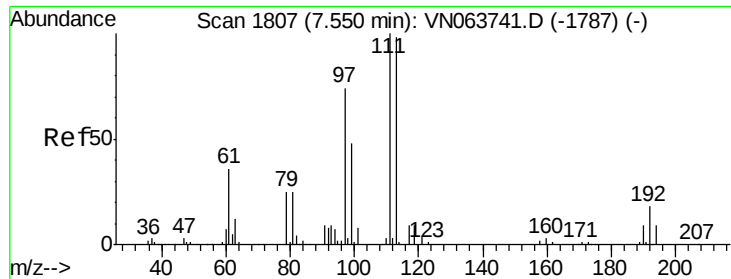
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064020.D
 Acq: 9 Oct 2020 4:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478905		
63	22.7	0.0	45.0	
88	16.1	0.0	34.0	





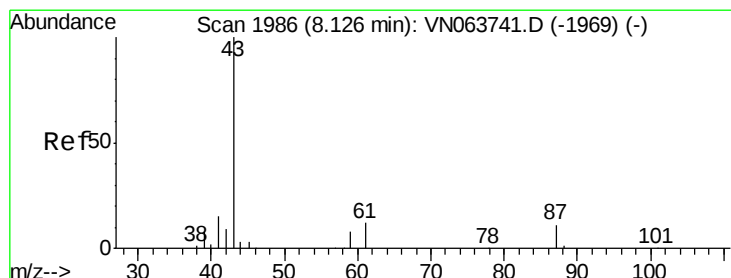
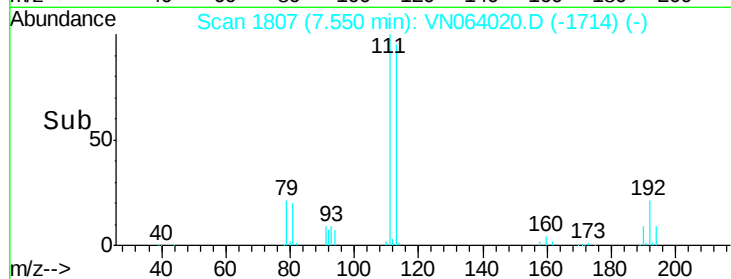
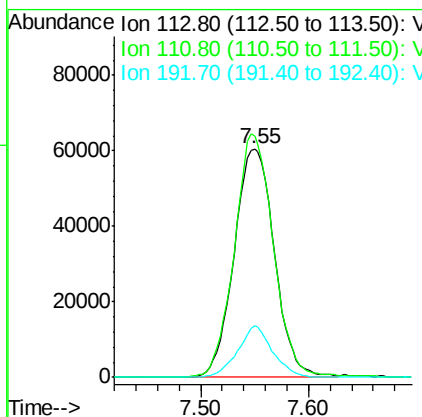
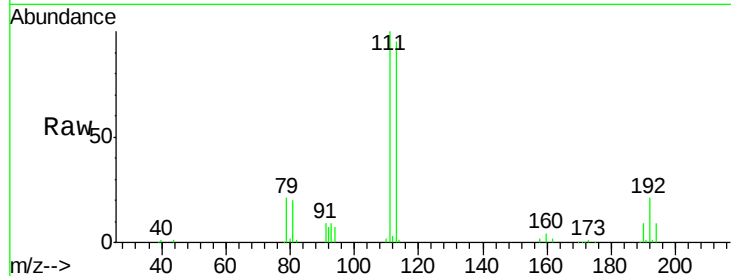
#35
Dibromofluoromethane
Concen: 47.365 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064020.D
Acq: 9 Oct 2020 4:52

Instrument :
MSVOA_N
ClientSampleId :
PAV-B4-100620-0-1

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157394		
111	103.1	81.8	122.8	
192	19.4	14.2	21.2	

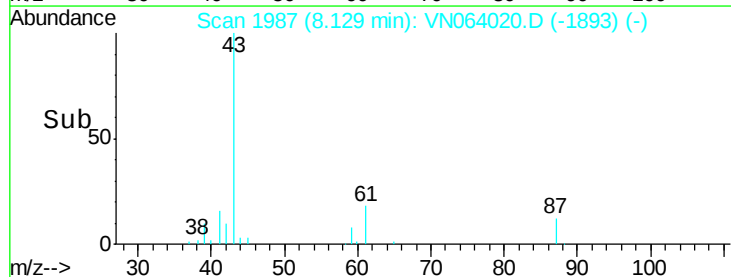
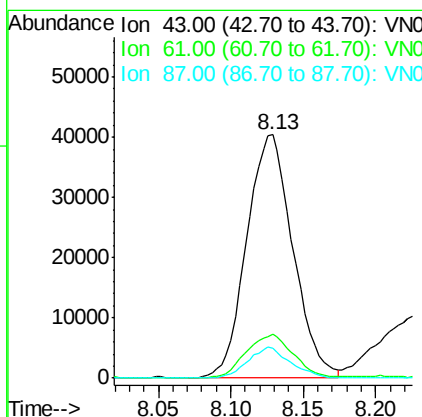
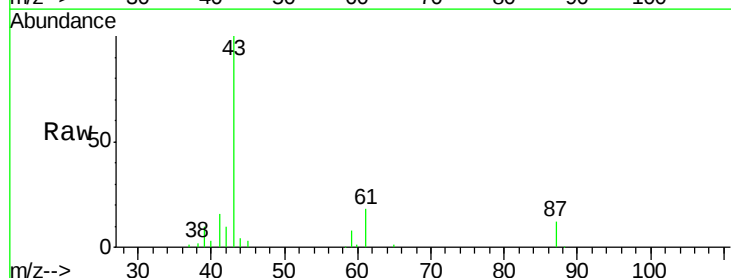
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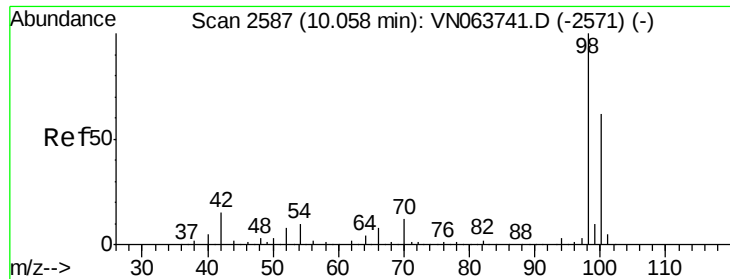
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#43
Isopropyl Acetate
Concen: 11.265 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064020.D
Acq: 9 Oct 2020 4:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	89566		
61	18.4	14.2	21.4	
87	11.6	9.0	13.6	





#50

Toluene-d8

Concen: 48.543 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064020.D

Acq: 9 Oct 2020 4:52

Instrument :

MSVOA_N

ClientSampleId :

PAV-B4-100620-0-1

Tot Ion: 98 Resp: 611510

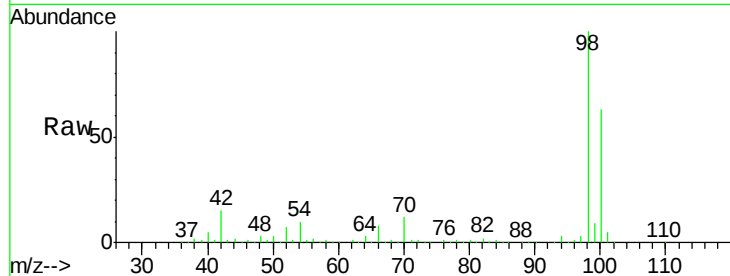
Ion Ratio Lower Upper

98 100

100 63.0 49.8 74.6

Manual Integrations
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Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

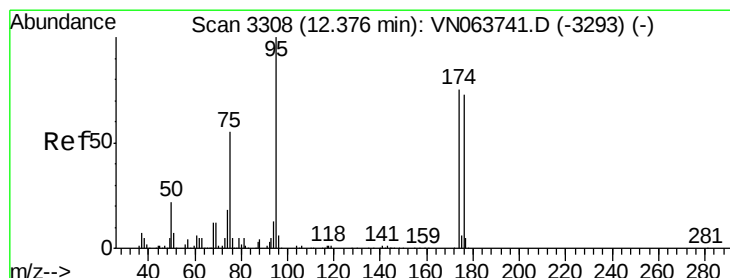
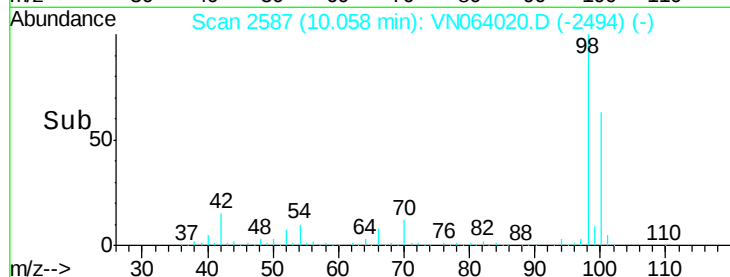
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.484 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064020.D

Acq: 9 Oct 2020 4:52

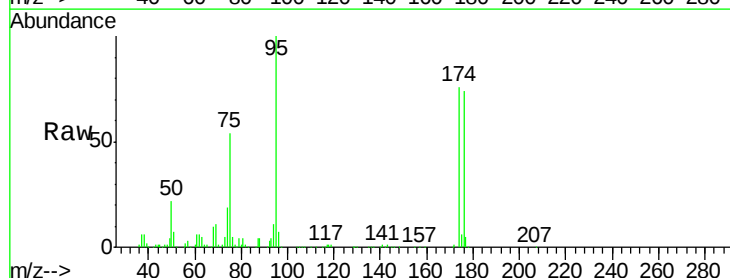
Tgt Ion: 95 Resp: 229592

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.6

176 73.5 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

12.38

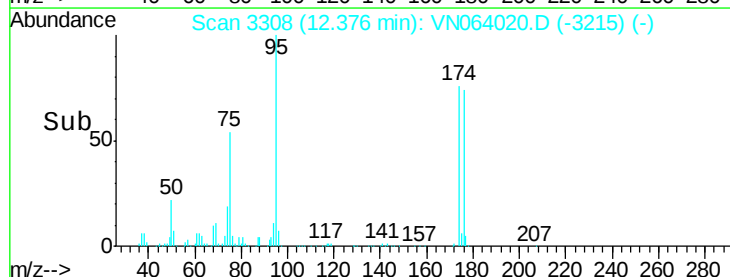
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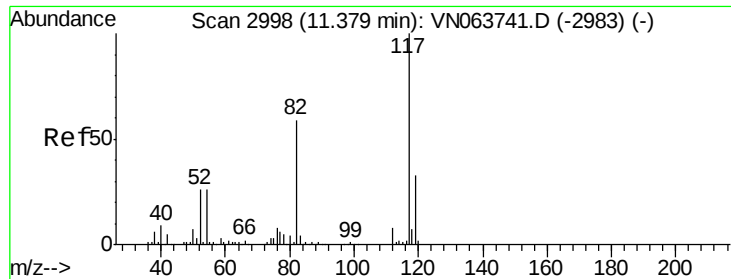
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50000

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Time-->





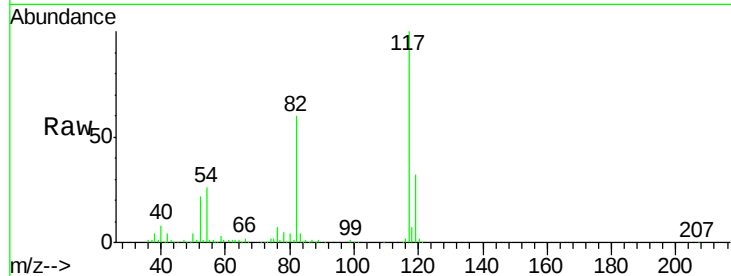
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064020.D
Acq: 9 Oct 2020 4:52

Instrument :
MSVOA_N
ClientSampleId :
PAV-B4-100620-0-1

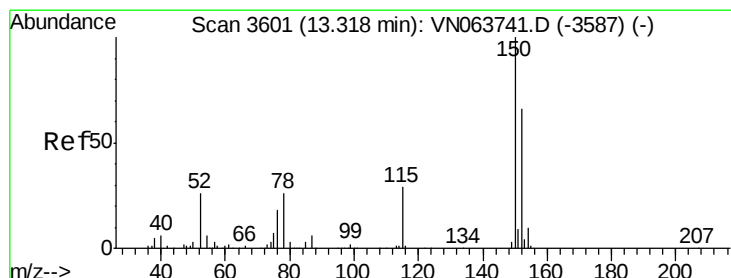
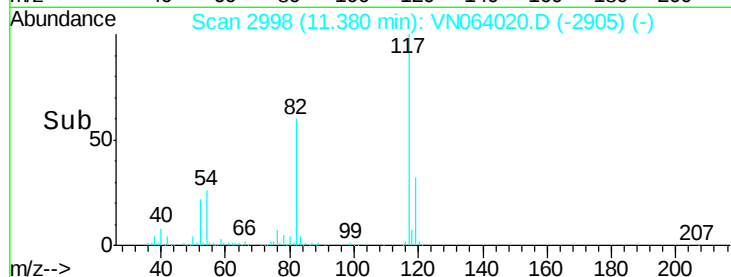
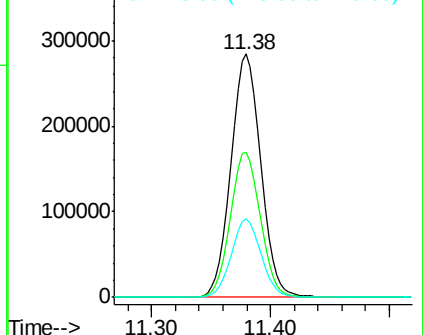
Tot Ion	Ratio	Resp	Lower	Upper
117	100	496107		
82	59.7		47.4	71.2
119	32.1		26.4	39.6

Manual Integrations
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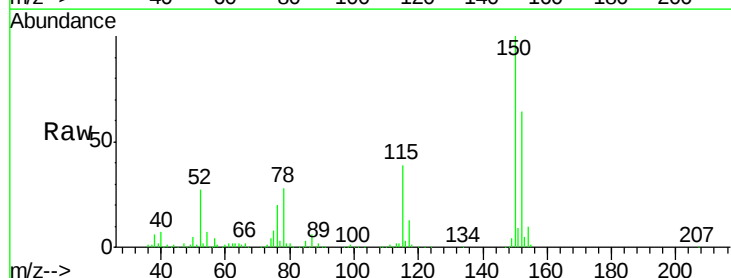


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064020.D
Acq: 9 Oct 2020 4:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	186562		
115	61.1		31.3	93.8
150	156.5		0.0	341.8



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

