

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063926.D
 Acq On : 7 Oct 2020 5:30
 Operator : JC/MD
 Sample : L4260-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-B21-100220-0-1

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:23 PM

Quant Time: Oct 07 06:34:27 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	231624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	426515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	449569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	204904	53.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.10%	
35) Dibromofluoromethane	7.55	113	146639	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
50) Toluene-d8	10.06	98	562198	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.38	95	215341	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
Target Compounds						
16) Acetone	3.78	43	13313	11.302	ug/l	92
18) Methyl Acetate	4.28	43	3544	1.159	ug/l #	77
20) Methylene Chloride	4.51	84	9802m	3.724	ug/l	
43) Isopropyl Acetate	8.13	43	88303	12.470	ug/l	100

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

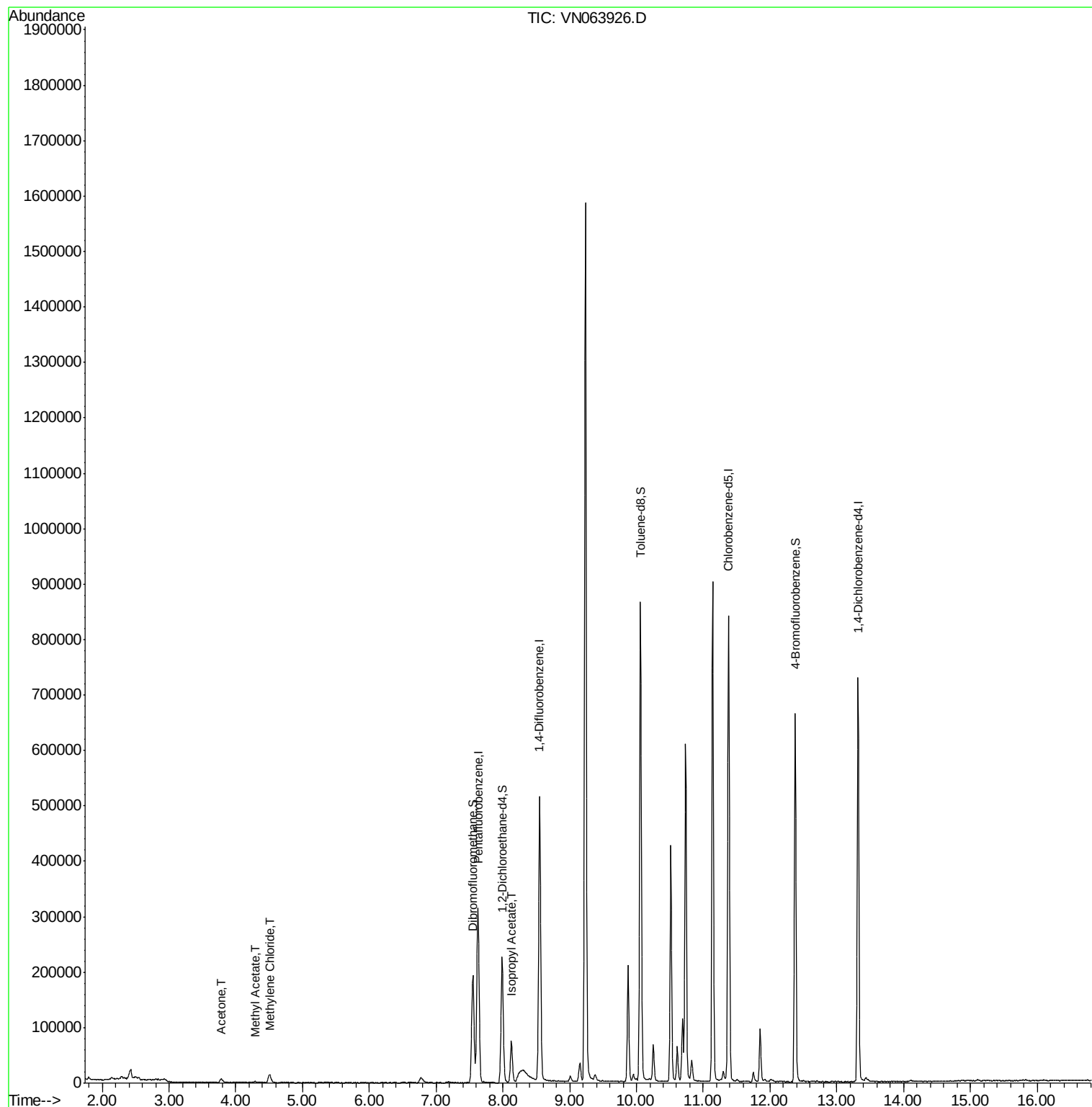
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063926.D
Acq On : 7 Oct 2020 5:30
Operator : JC/MD
Sample : L4260-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 45 Sample Multiplier: 1

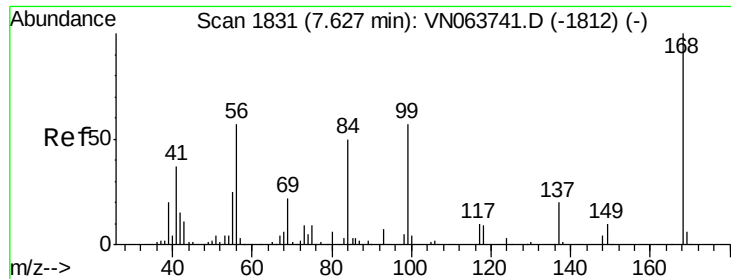
Instrument :
MSVOA_N
ClientSampleId :
PAV-B21-100220-0-1

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:23 PM

Quant Time: Oct 07 06:34:27 2020
Quant Method : Z:\V0ASRV\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: VN063926.D

Acq: 7 Oct 2020 5:30

Instrument :

MSVOA_N

ClientSampleId :

PAV-B21-100220-0-1

Tot Ion:168 Resp: 231624

Ion Ratio Lower Upper

168 100

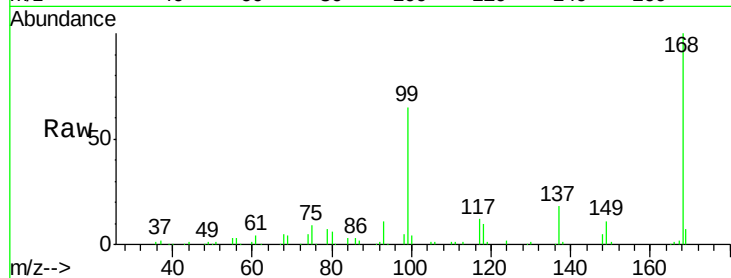
99 64.9 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

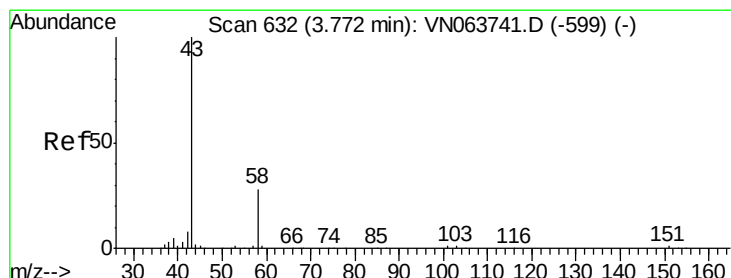
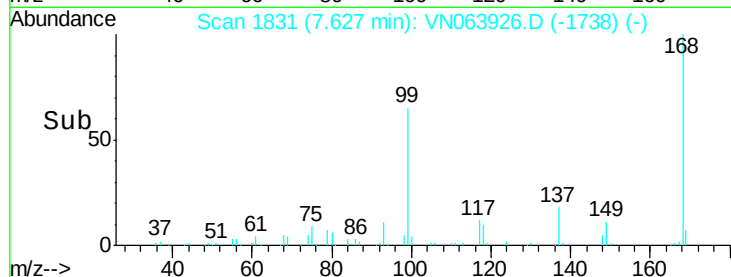
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 11.302 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063926.D

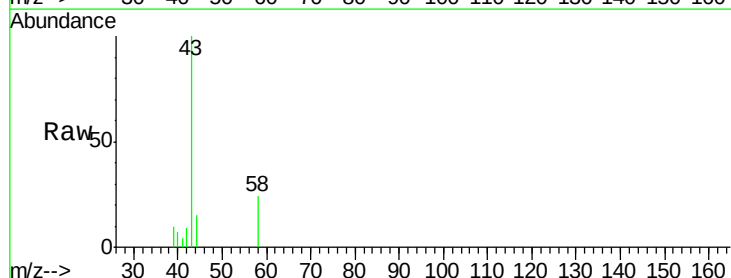
Acq: 7 Oct 2020 5:30

Tgt Ion: 43 Resp: 13313

Ion Ratio Lower Upper

43 100

58 23.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

5000

4000

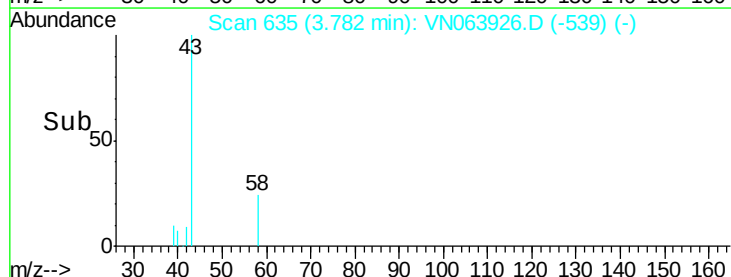
3000

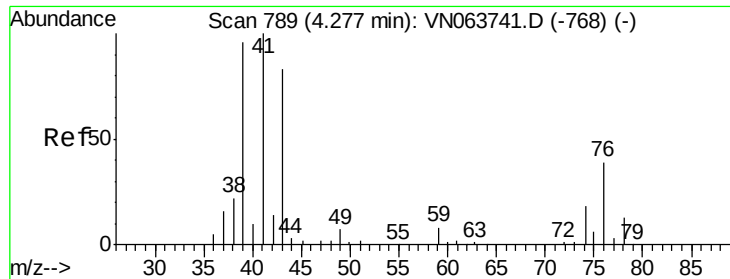
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





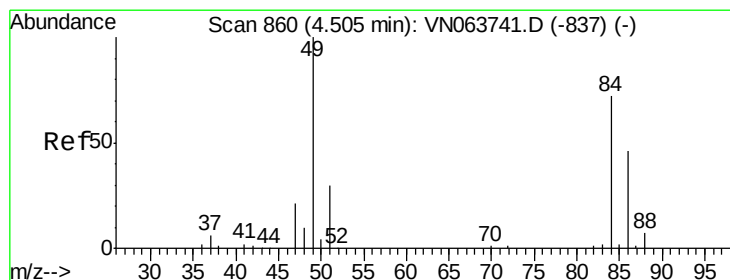
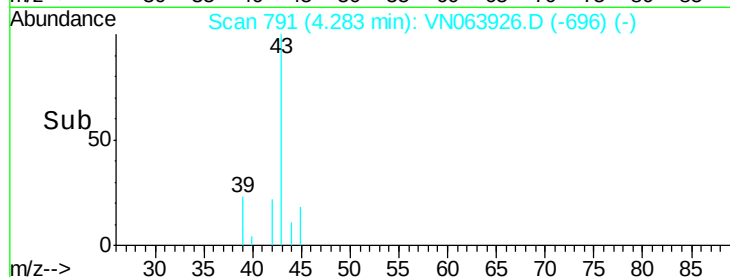
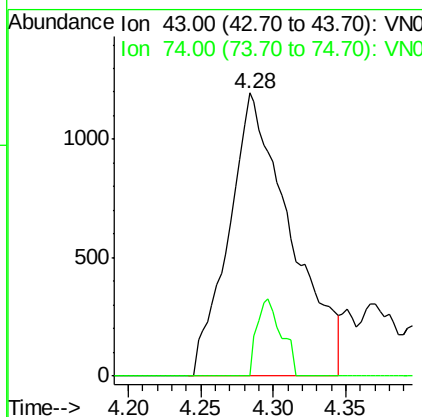
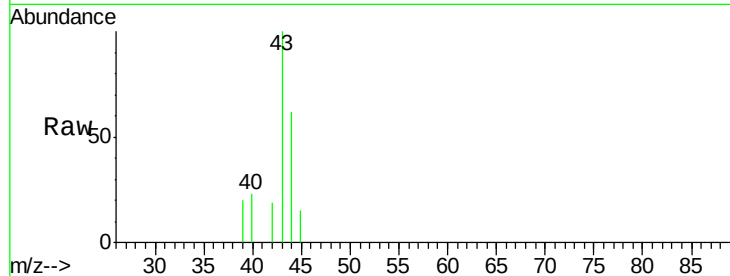
#18
Methyl Acetate
Concen: 1.159 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063926.D
Acq: 7 Oct 2020 5:30

Instrument :
MSVOA_N
ClientSampleId :
PAV-B21-100220-0-1

Tot Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
74 10.8 17.4 26.2#

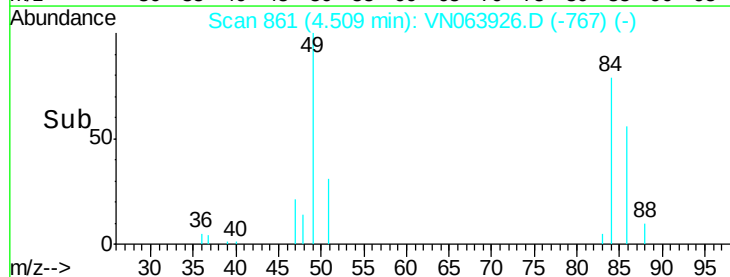
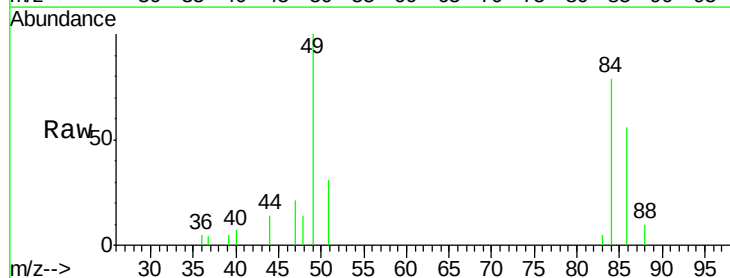
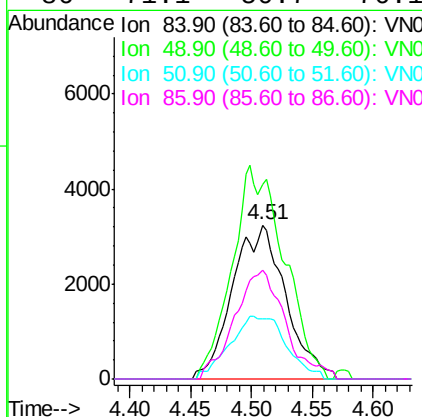
Manual Integrations
APPROVED

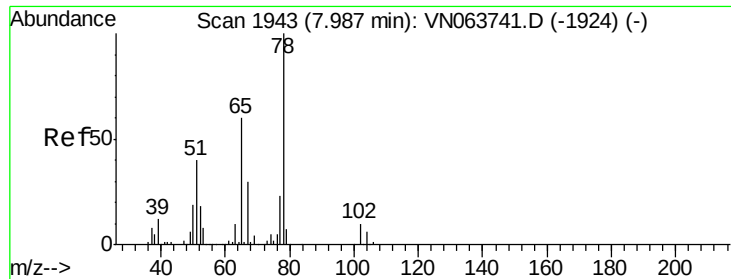
MMDadoda
10/7/2020 12:12:23 PM



#20
Methylene Chloride
Concen: 3.724 ug/l m
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063926.D
Acq: 7 Oct 2020 5:30

Tgt Ion: 84 Resp: 9802
Ion Ratio Lower Upper
84 100
49 126.8 110.4 165.6
51 38.9 33.3 49.9
86 71.1 50.7 76.1





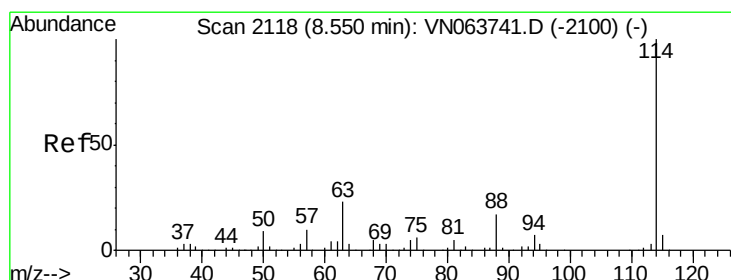
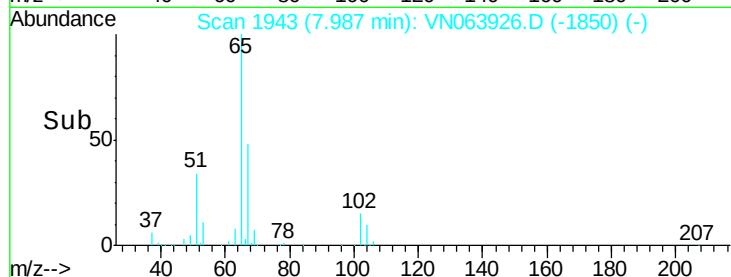
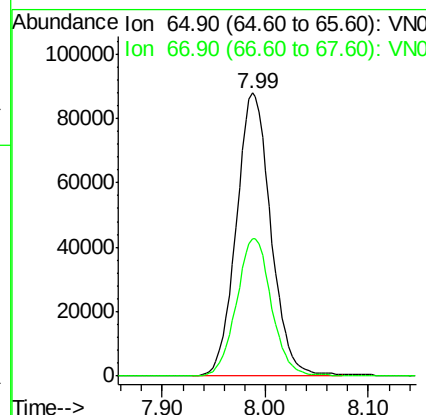
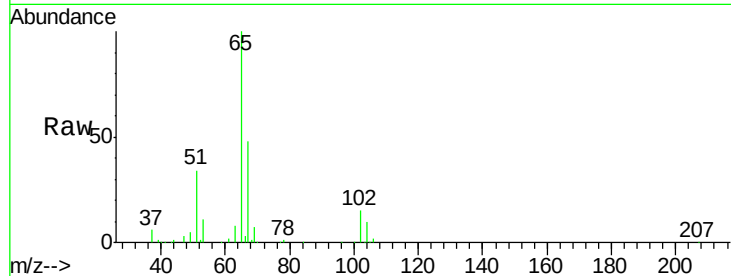
#33
 1,2-Dichloroethane-d4
 Concen: 53.547 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063926.D
 Acq: 7 Oct 2020 5:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-B21-100220-0-1

Tot Ion	Ratio	Resp	Lower	Upper
65	100	204904		
67	49.3	0.0	99.6	

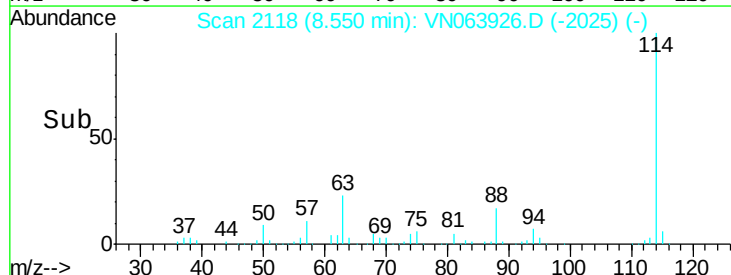
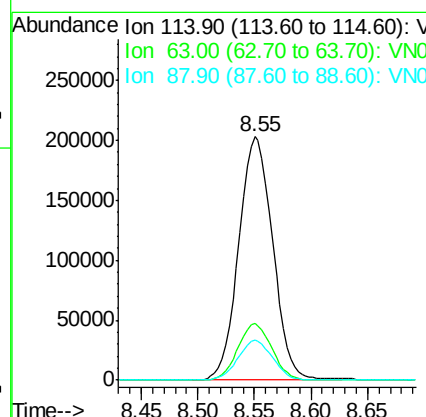
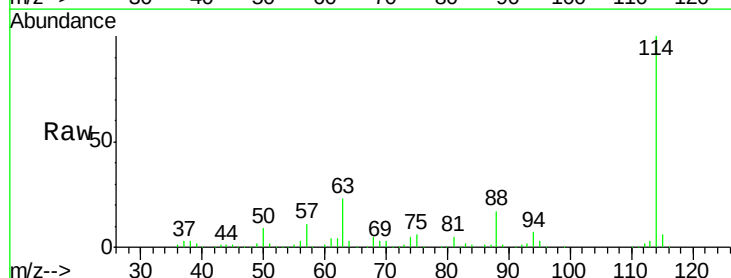
Manual Integrations
 APPROVED

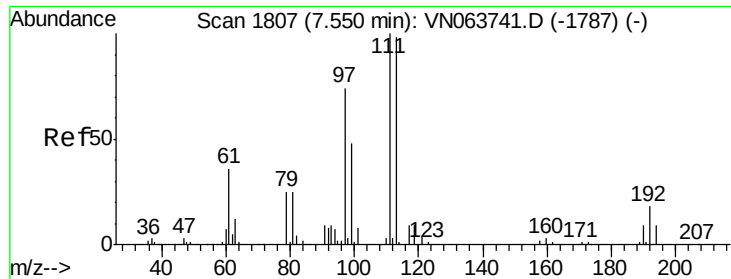
MMDadoda
 10/7/2020 12:12:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063926.D
 Acq: 7 Oct 2020 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	426515		
63	23.2	0.0	45.0	
88	16.6	0.0	34.0	





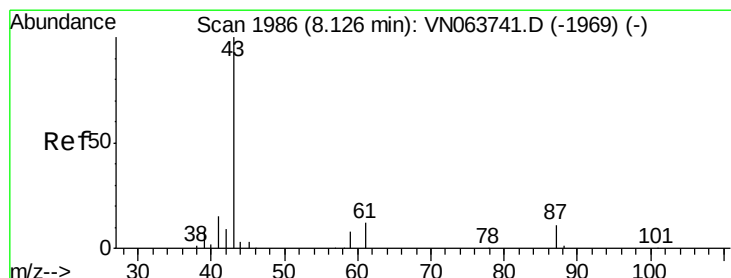
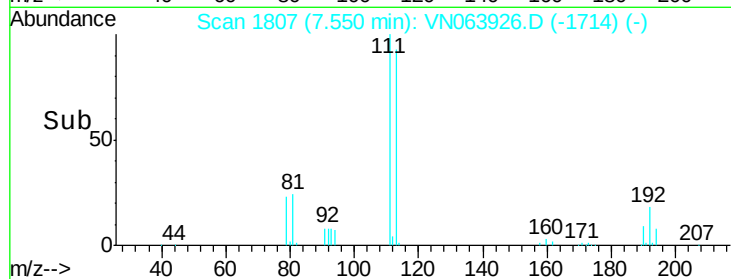
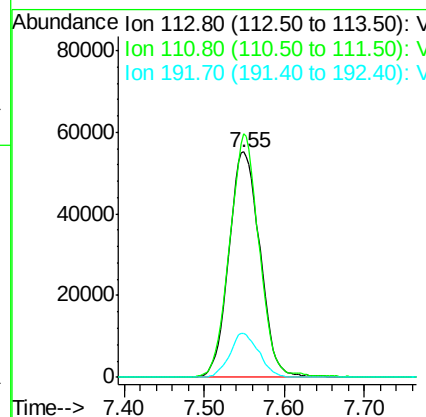
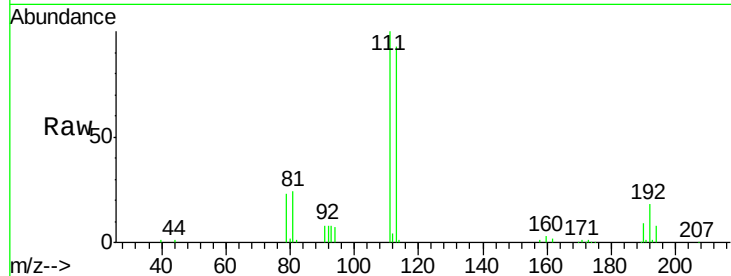
#35
 Dibromofluoromethane
 Concen: 49.549 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063926.D
 Acq: 7 Oct 2020 5:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-B21-100220-0-1

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.8	122.8	
192	18.3	14.2	21.2	

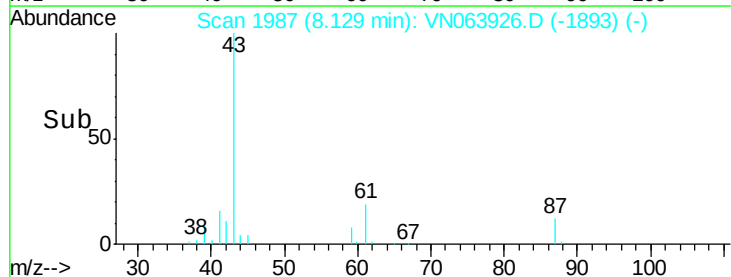
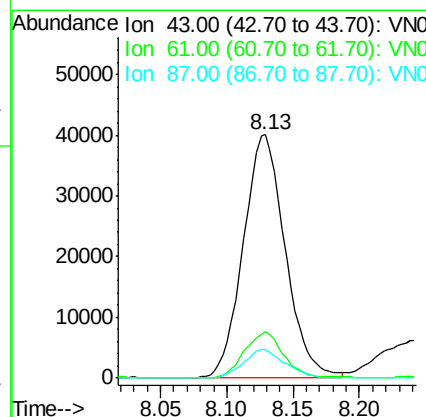
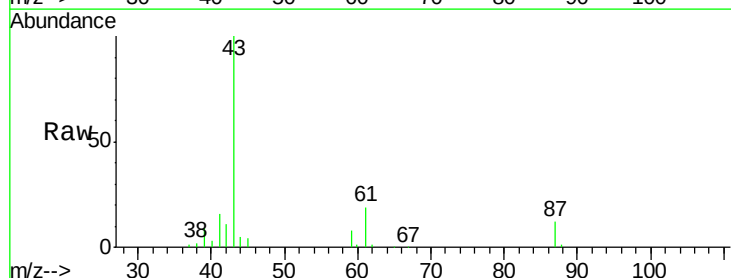
Manual Integrations
 APPROVED

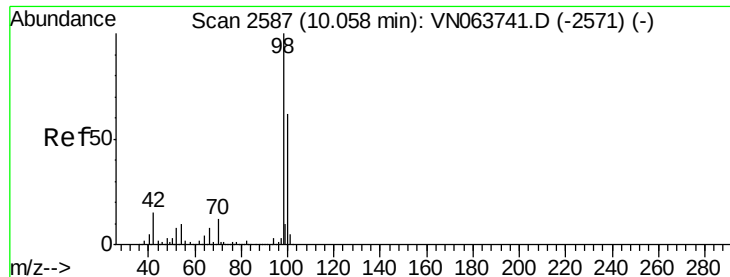
MMDadoda
 10/7/2020 12:12:23 PM



#43
 Isopropyl Acetate
 Concen: 12.470 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN063926.D
 Acq: 7 Oct 2020 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	17.6	14.2	21.4	
87	11.4	9.0	13.6	





#50

Toluene-d8

Concen: 50.111 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063926.D

Acq: 7 Oct 2020 5:30

Instrument :

MSVOA_N

ClientSampleId :

PAV-B21-100220-0-1

Tot Ion: 98 Resp: 562198

Ion Ratio Lower Upper

98 100

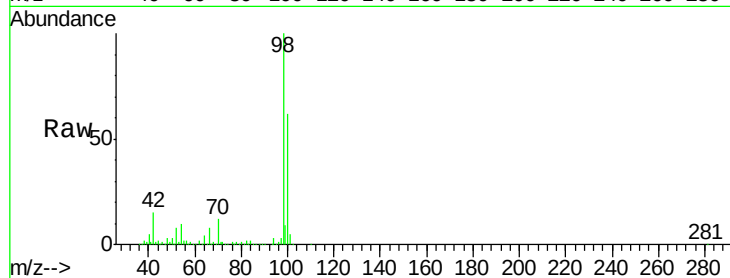
100 62.7 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:23 PM



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

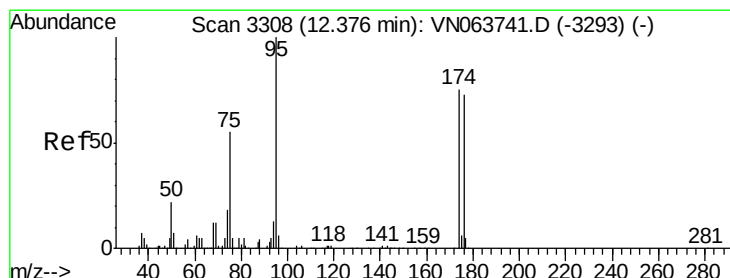
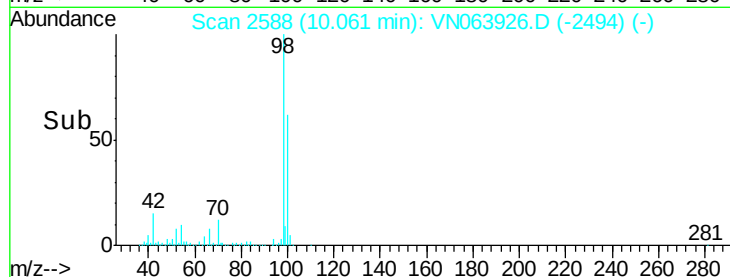
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.060 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063926.D

Acq: 7 Oct 2020 5:30

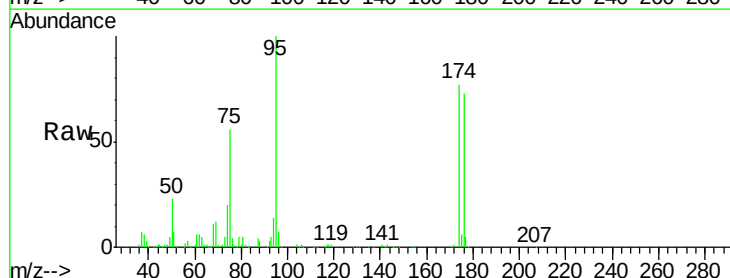
Tgt Ion: 95 Resp: 215341

Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.6

176 72.8 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

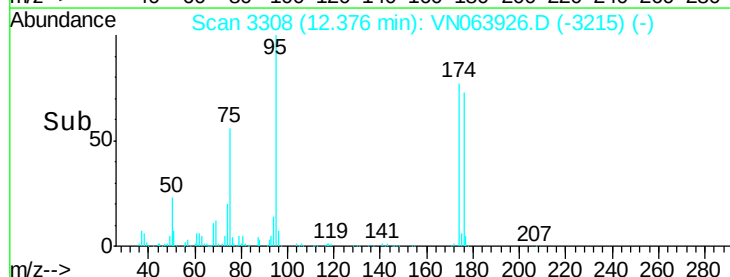
150000

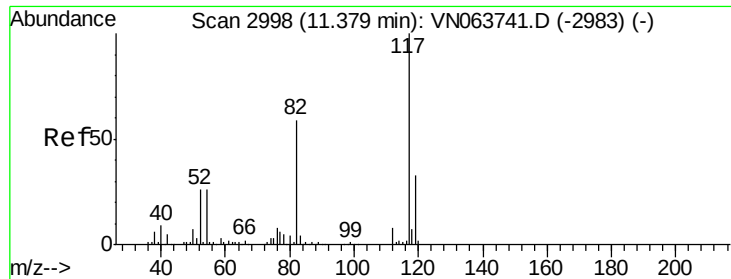
100000

50000

0

Time-->





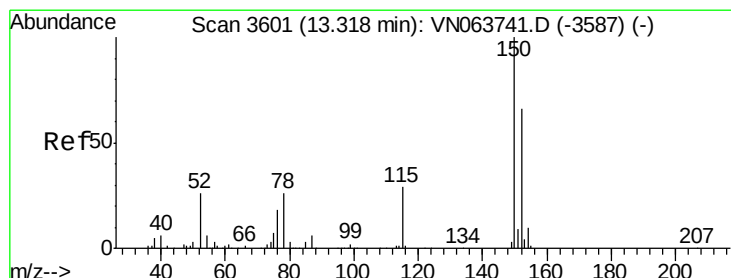
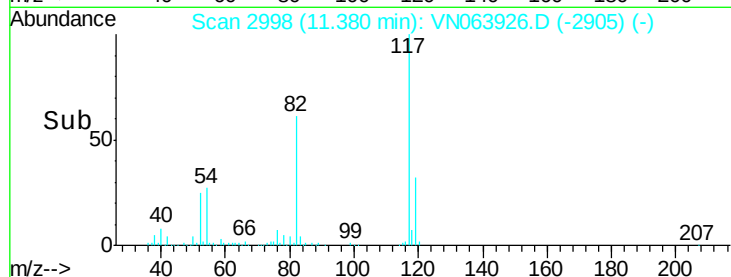
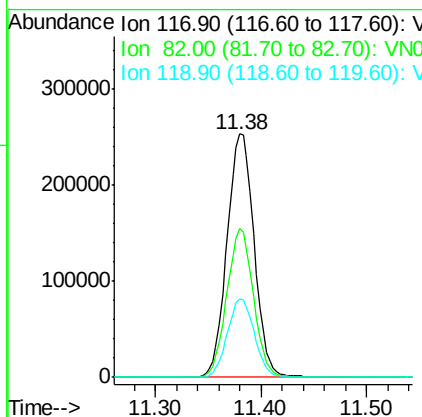
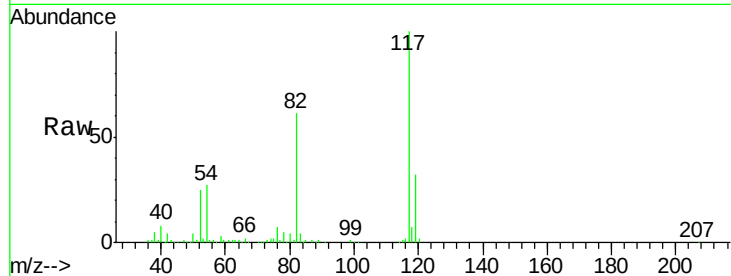
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063926.D
Acq: 7 Oct 2020 5:30

Instrument :
MSVOA_N
ClientSampleId :
PAV-B21-100220-0-1

Tot Ion	Ratio	Resp	Lower	Upper
117	100	449569		
82	60.9	47.4	71.2	
119	32.2	26.4	39.6	

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063926.D
Acq: 7 Oct 2020 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	181668		
115	62.7	31.3	93.8	
150	155.1	0.0	341.8	

