

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063122.D
 Acq On : 25 Aug 2020 19:28
 Operator : JC/MD
 Sample : L3792-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 11:27:09 AM

Quant Time: Aug 26 07:16:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	176351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	292538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135211	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	105655	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	7.55	113	86326	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
50) Toluene-d8	10.06	98	370574	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.38	95	138503	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	126109	425.969	ug/l	99
16) Acetone	3.78	43	397480	615.584	ug/l	98
17) Carbon Disulfide	4.02	76	5699	1.454	ug/l	99
18) Methyl Acetate	4.29	43	69018	33.228	ug/l	100
25) 2-Butanone	6.79	43	22130	19.944	ug/l	98
29) Tetrahydrofuran	7.17	42	3338	4.661	ug/l #	88
30) Chloroform	7.33	83	8079	2.397	ug/l	94
39) Methylcyclohexane	9.04	83	702m	1.758	ug/l	
40) Benzene	8.00	78	210598	25.757	ug/l	100
49) 1,4-Dioxane	9.17	88	4983	133.054	ug/l #	77
51) 4-Methyl-2-Pentanone	9.95	43	30480	12.049	ug/l	98
52) Toluene	10.13	92	106436	21.579	ug/l	100
67) Ethyl Benzene	11.49	91	23472	2.429	ug/l	95
68) m/p-Xylenes	11.59	106	37454	10.428	ug/l	99
69) o-Xylene	11.92	106	17024	4.936	ug/l	100
70) Styrene	11.94	104	17127	4.330	ug/l	93
78) n-propylbenzene	12.57	91	7240	0.686	ug/l #	61
80) 1,3,5-Trimethylbenzene	12.71	105	6571	0.858	ug/l	94
84) 1,2,4-Trimethylbenzene	13.02	105	46059	6.177	ug/l	96
95) Naphthalene	15.10	128	738376	127.065	ug/l	99

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

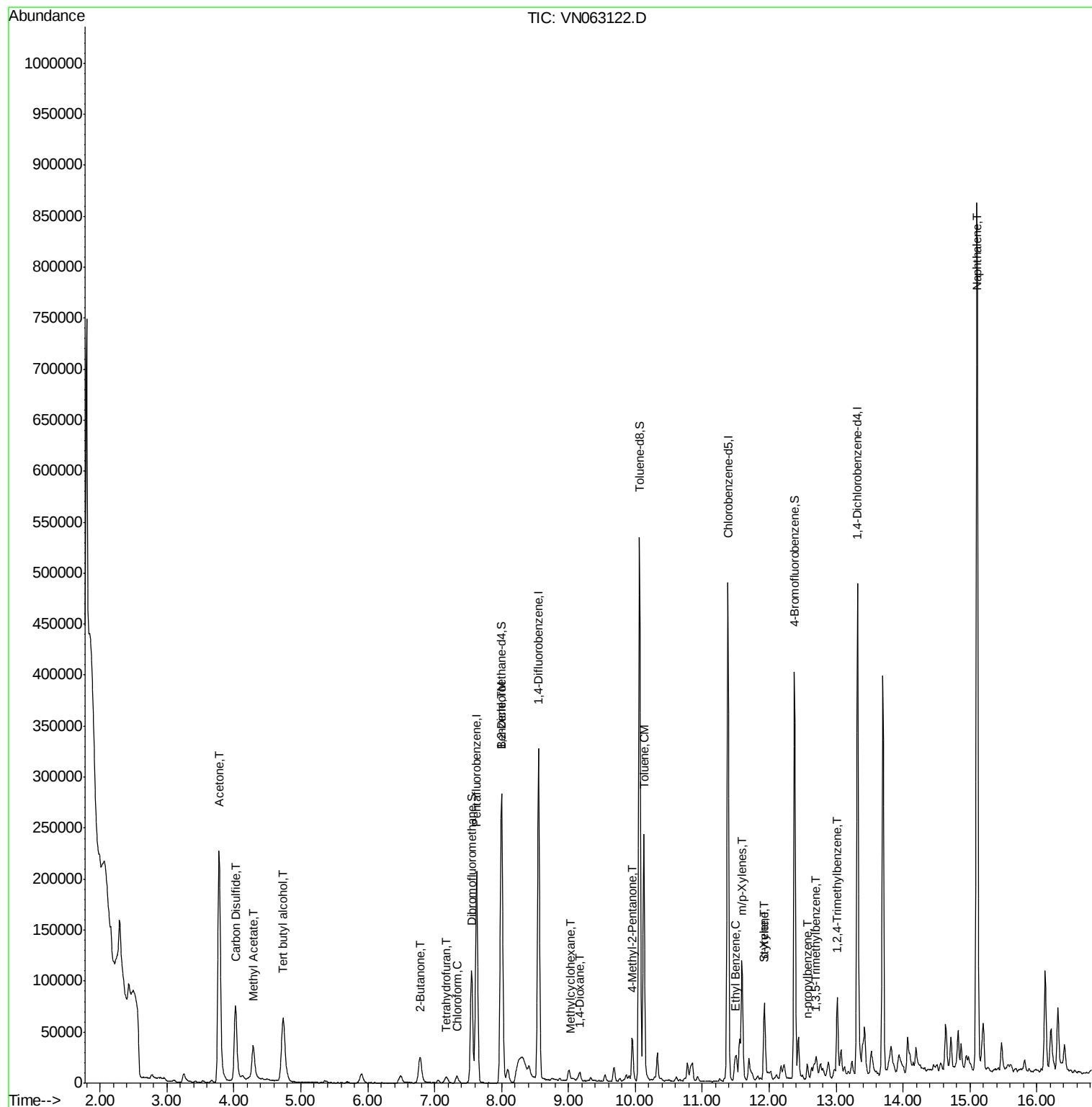
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
Data File : VN063122.D
Acq On : 25 Aug 2020 19:28
Operator : JC/MD
Sample : L3792-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

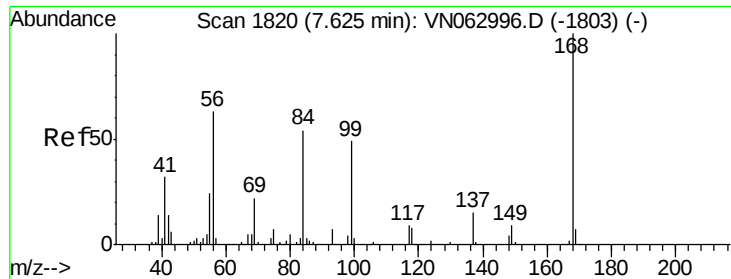
Instrument :
MSVOA_N
ClientSampleId :
COMP-3

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Quant Time: Aug 26 07:16:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063122.D

Acq: 25 Aug 2020 19:28

Instrument :

MSVOA_N

ClientSampled :

COMP-3

Tot Ion:168 Resp: 176351

Ion Ratio Lower Upper

168 100

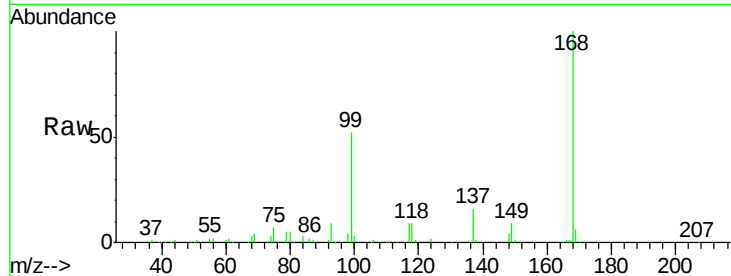
99 52.0 42.0 63.0

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

80000

60000

40000

20000

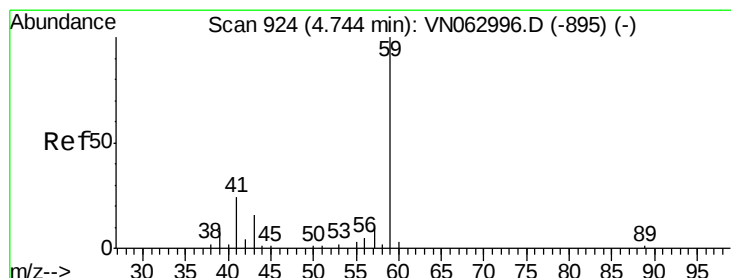
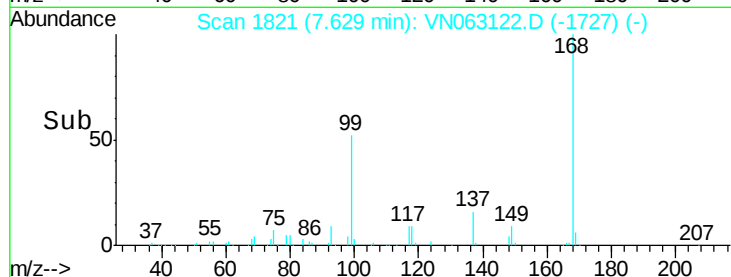
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Time-->

7.50

7.60

7.70



#11

Tert butyl alcohol

Concen: 425.969 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.01 min

Lab File: VN063122.D

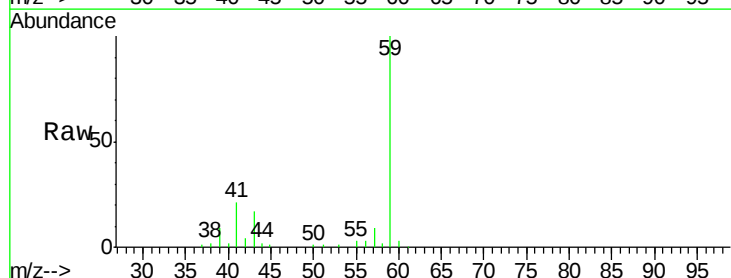
Acq: 25 Aug 2020 19:28

Tgt Ion: 59 Resp: 126109

Ion Ratio Lower Upper

59 100

57 10.2 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

40000

30000

20000

10000

0

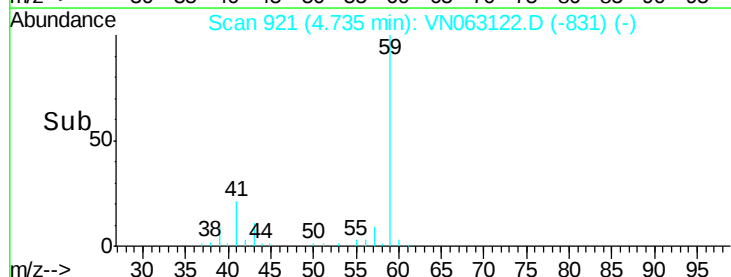
Time-->

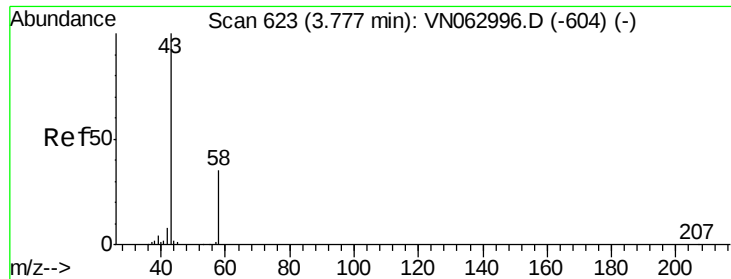
4.60

4.70

4.80

4.90





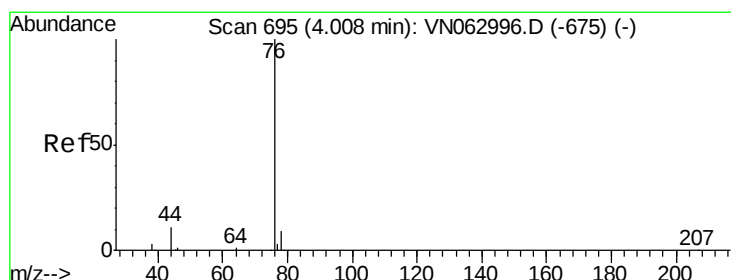
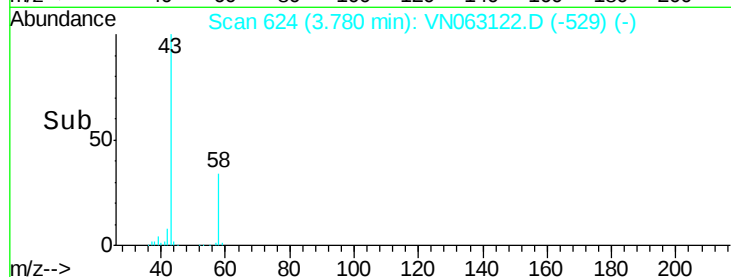
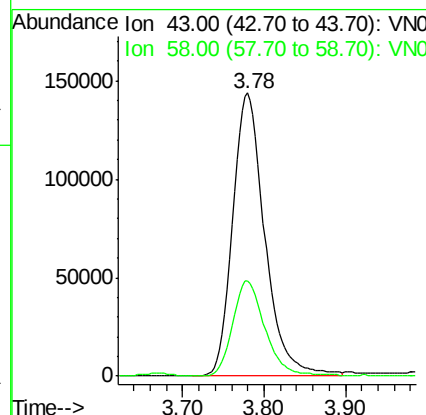
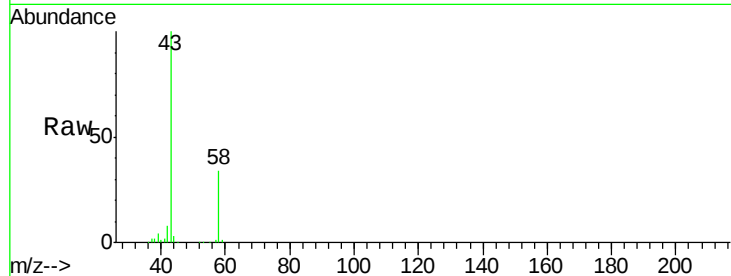
#16
Acetone
Concen: 615.584 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion: 43 Resp: 397480
Ion Ratio Lower Upper
43 100
58 33.7 27.8 41.6

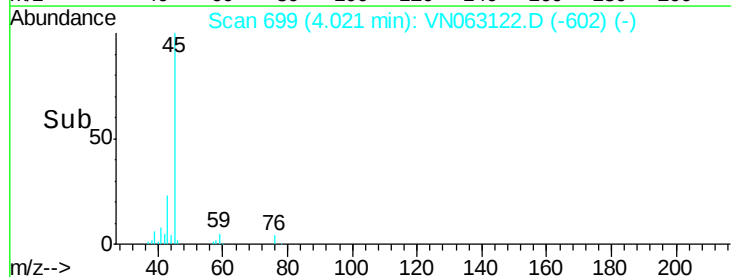
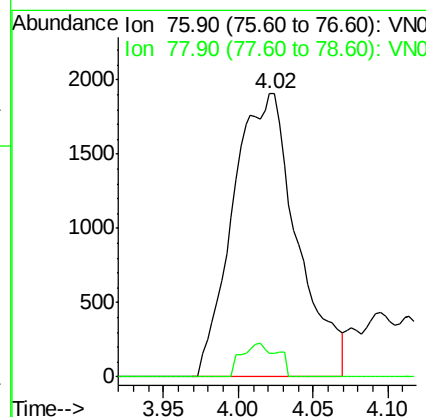
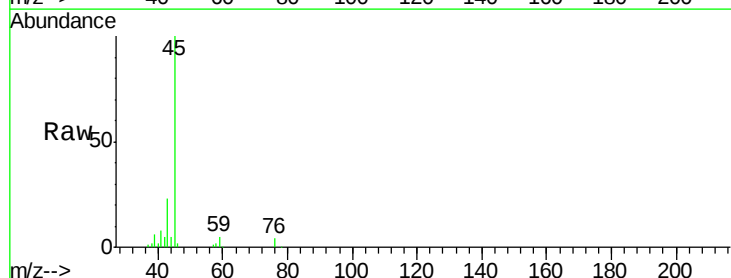
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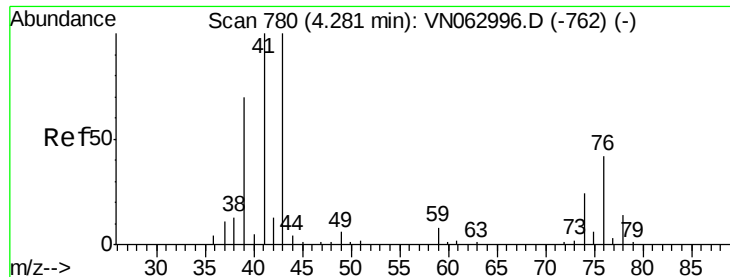
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#17
Carbon Disulfide
Concen: 1.454 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.01 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion: 76 Resp: 5699
Ion Ratio Lower Upper
76 100
78 8.1 6.9 10.3





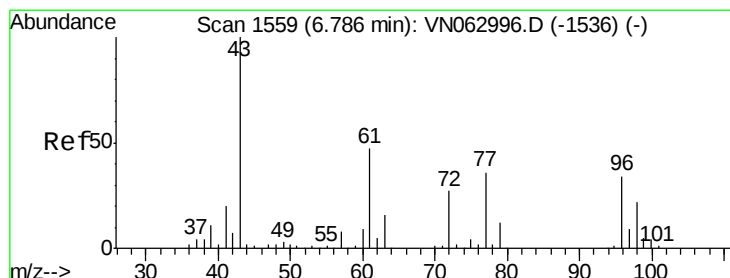
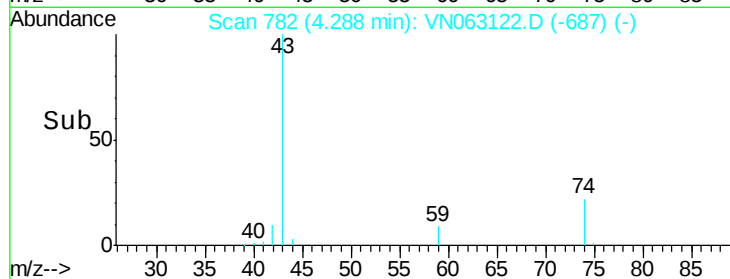
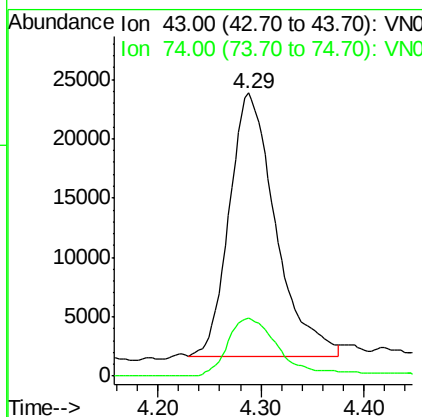
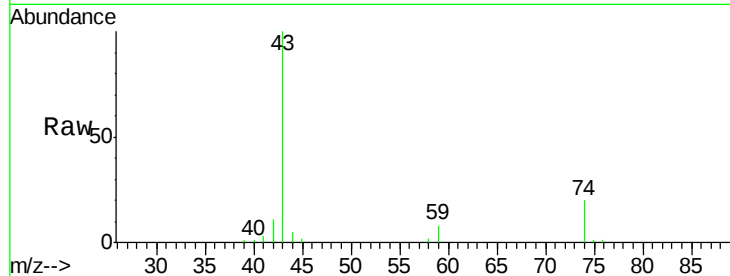
#18
Methyl Acetate
Concen: 33.228 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion: 43 Resp: 69018
Ion Ratio Lower Upper
43 100
74 23.4 18.6 28.0

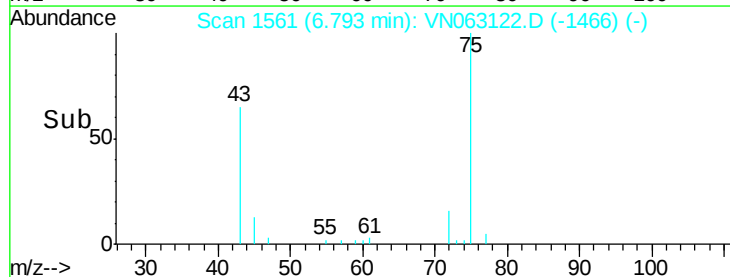
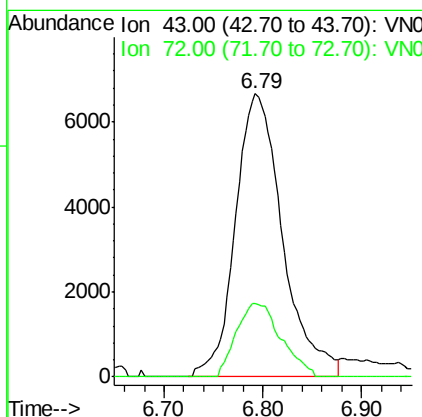
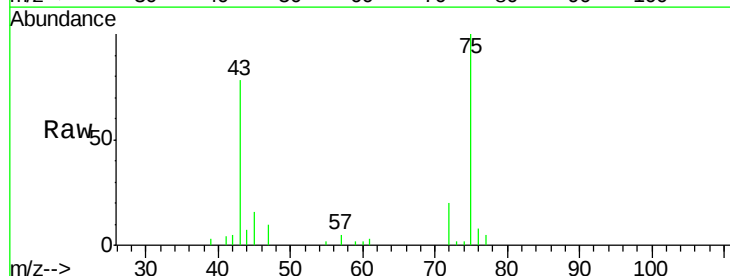
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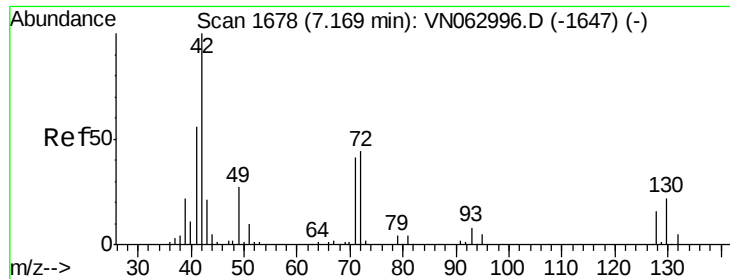
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#25
2-Butanone
Concen: 19.944 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion: 43 Resp: 22130
Ion Ratio Lower Upper
43 100
72 26.0 21.8 32.6





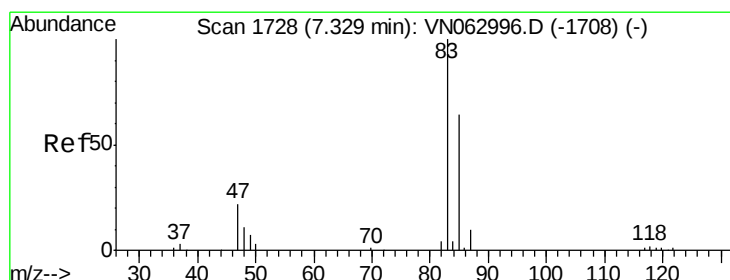
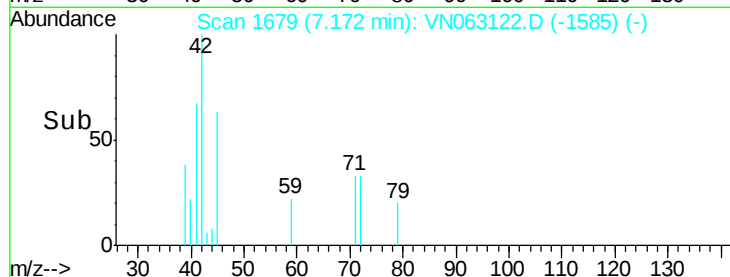
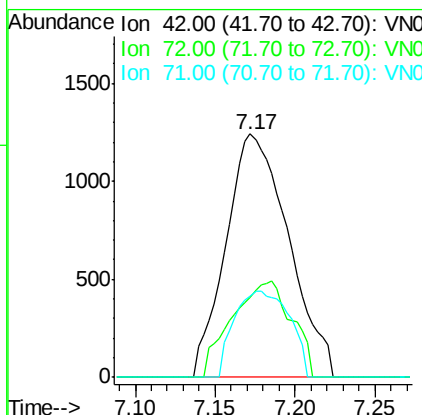
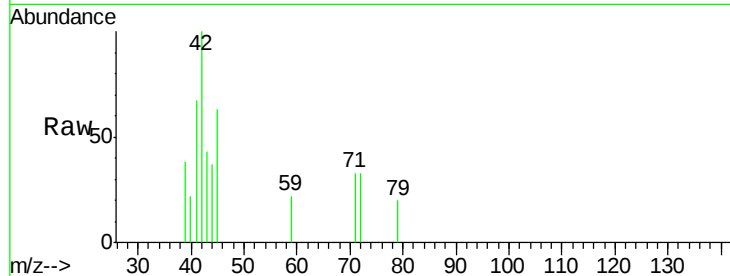
#29
Tetrahydrofuran
Concen: 4.661 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	34.6	52.0
71	31.2	32.3	48.5

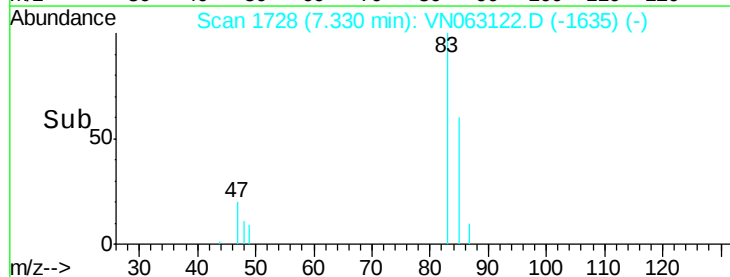
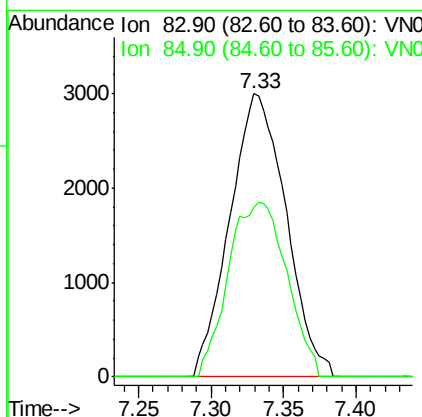
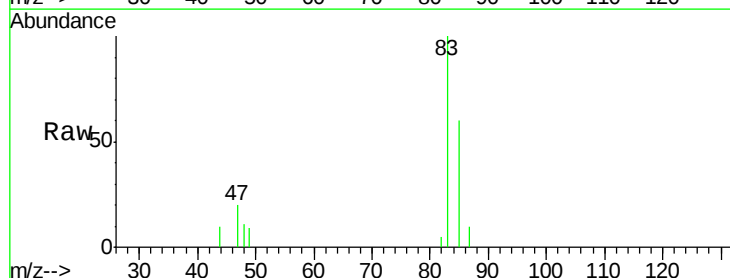
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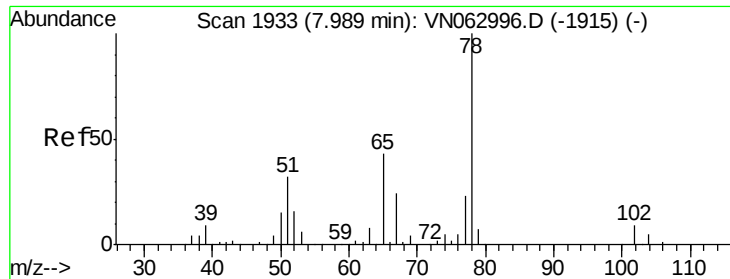
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#30
Chloroform
Concen: 2.397 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.5	77.3





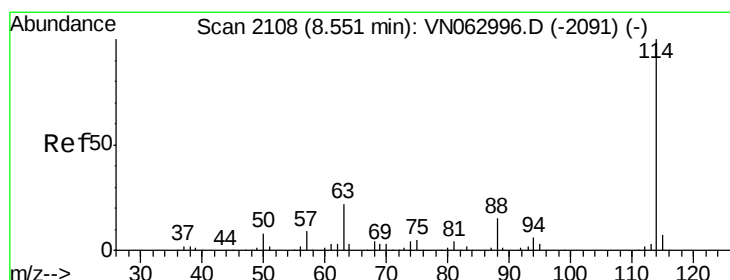
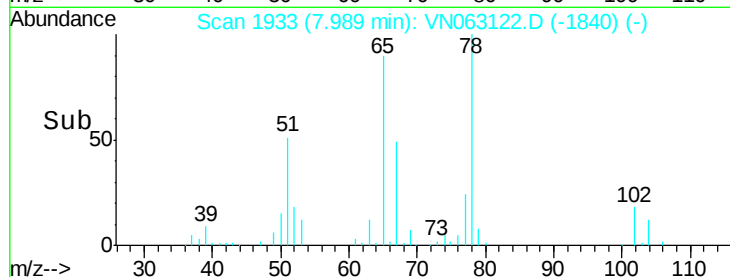
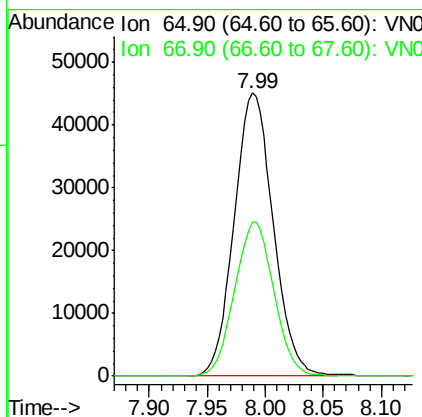
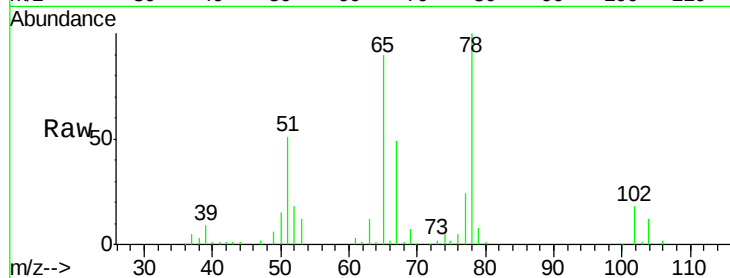
#33
 1,2-Dichloroethane-d4
 Concen: 50.550 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063122.D
 Acq: 25 Aug 2020 19:28

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-3

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105655		
67	54.7	0.0	112.0	

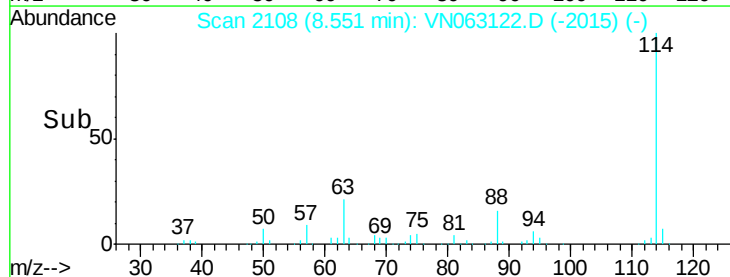
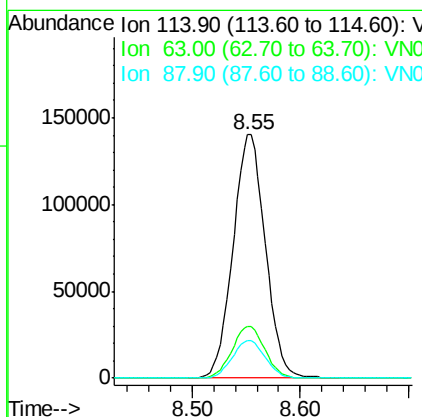
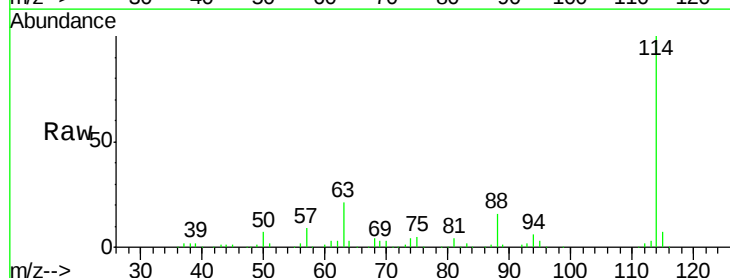
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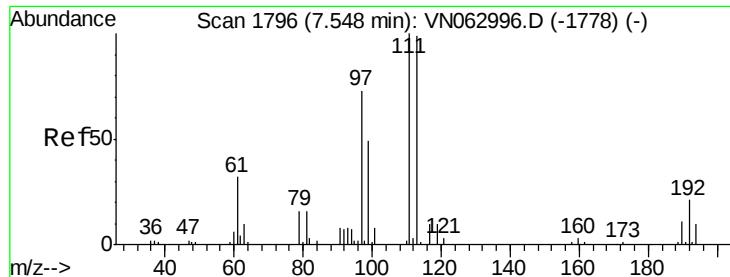
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063122.D
 Acq: 25 Aug 2020 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	292538		
63	21.4	0.0	43.2	
88	15.5	0.0	30.6	





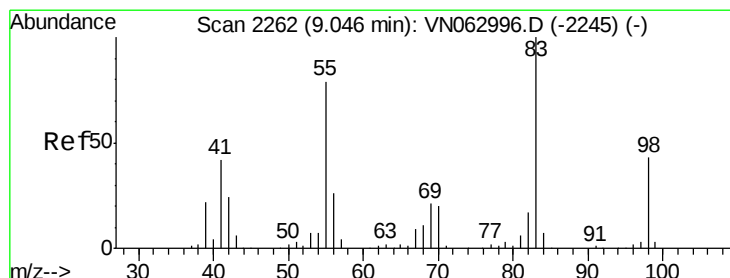
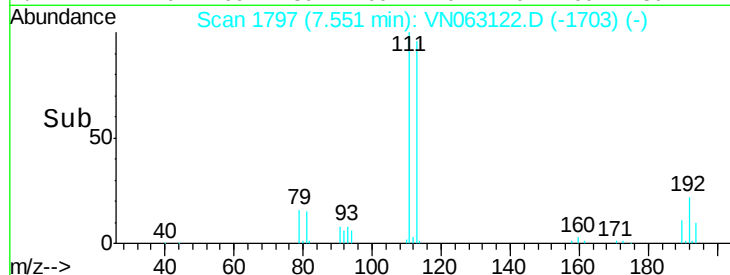
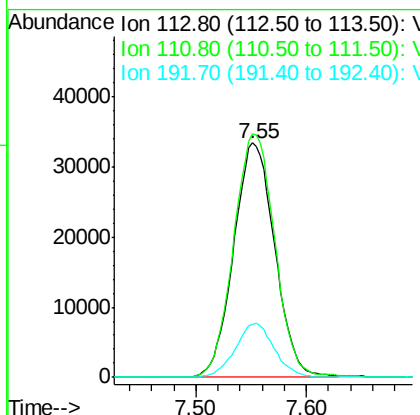
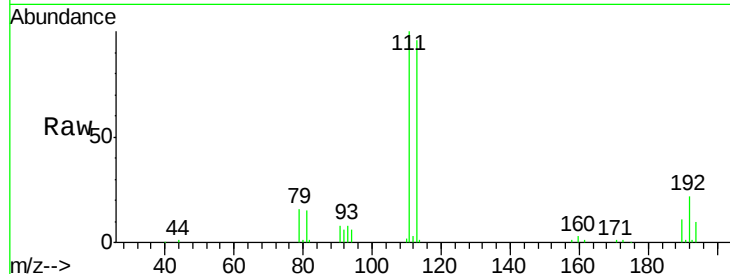
#35
 Dibromofluoromethane
 Concen: 45.288 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063122.D
 Acq: 25 Aug 2020 19:28

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-3

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.7	122.5
192	21.8	17.5	26.3

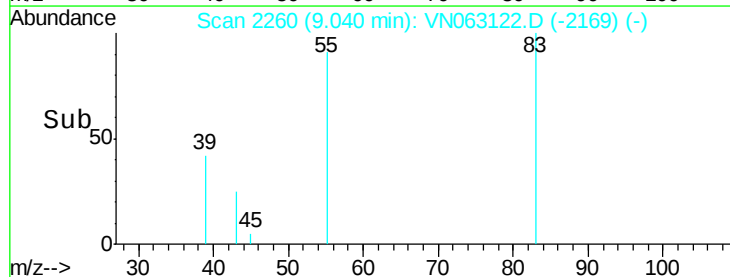
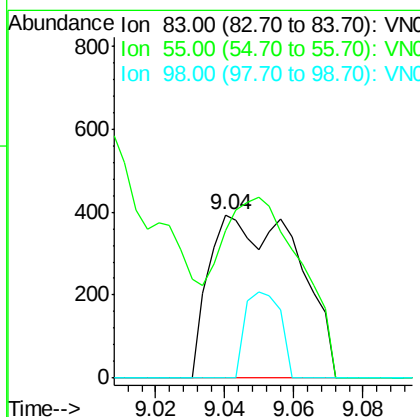
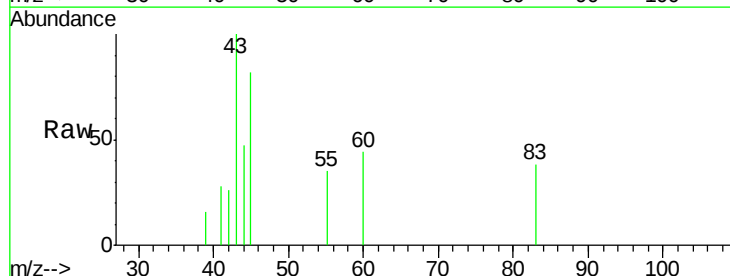
Manual Integrations
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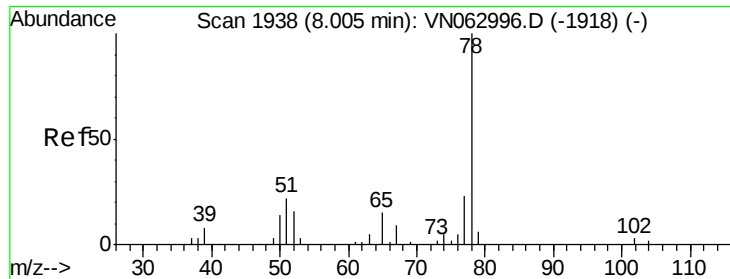
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#39
 Methylcyclohexane
 Concen: 1.758 ug/l m
 RT: 9.04 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: VN063122.D
 Acq: 25 Aug 2020 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.8	63.3	94.9
98	0.0	34.2	51.4#





#40

Benzene

Concen: 25.757 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN063122.D

Acq: 25 Aug 2020 19:28

Instrument :

MSVOA_N

ClientSampled :

COMP-3

Tot Ion: 78 Resp: 210598

Ion Ratio Lower Upper

78 100

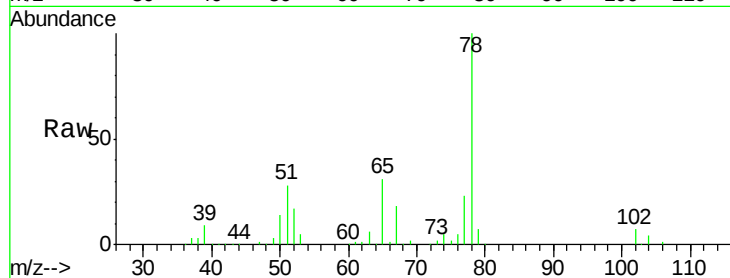
77 23.4 18.8 28.2

Manual Integrations

APPROVED

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8/26/2020 11:27:09 AM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.00

100000

80000

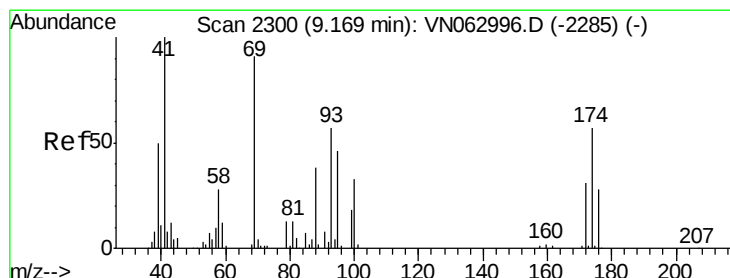
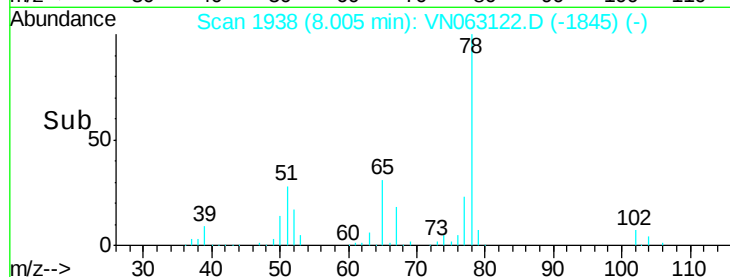
60000

40000

20000

0

Time-->



#49

1,4-Dioxane

Concen: 133.054 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.00 min

Lab File: VN063122.D

Acq: 25 Aug 2020 19:28

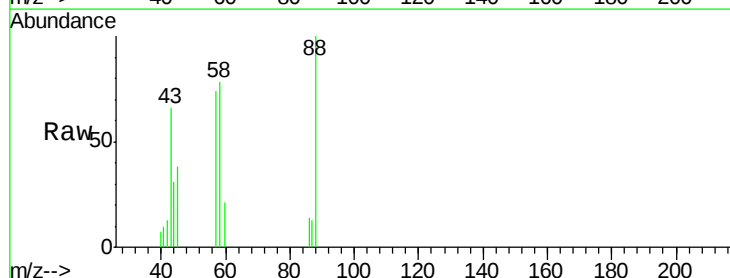
Tgt Ion: 88 Resp: 4983

Ion Ratio Lower Upper

88 100

43 60.3 25.2 37.8#

58 79.8 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3000

2500

2000

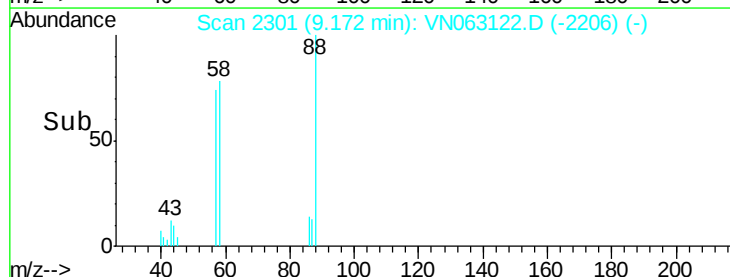
1500

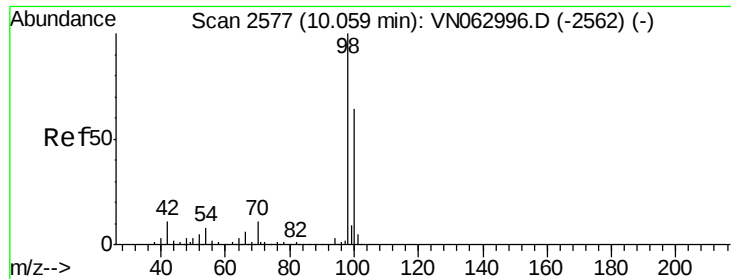
1000

500

0

Time-->





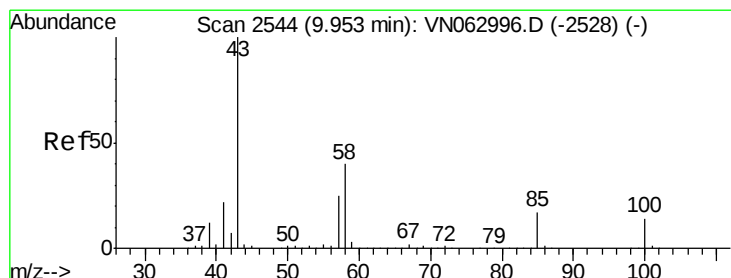
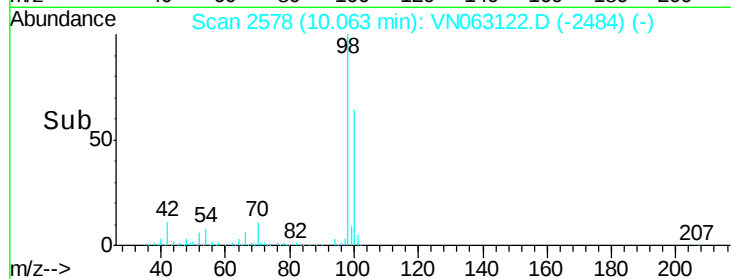
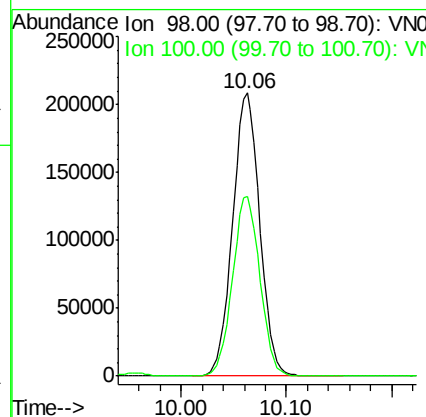
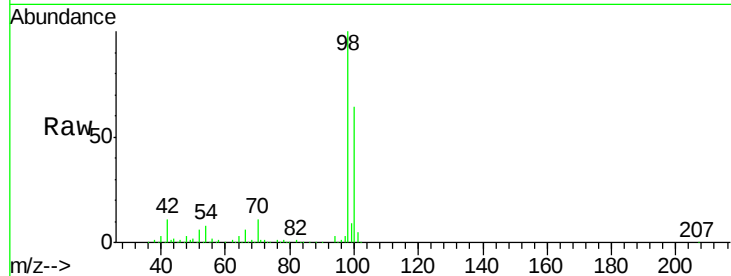
#50
Toluene-d8
Concen: 50.613 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampleId :
COMP-3

Tot Ion: 98 Resp: 370574
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8

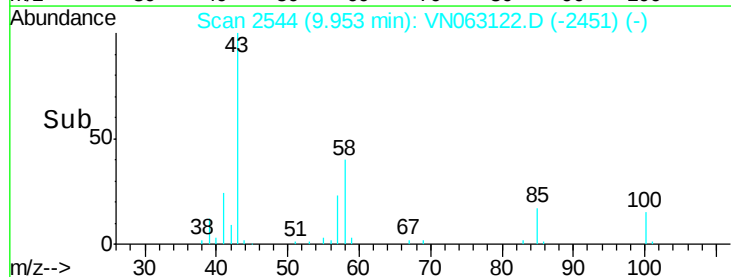
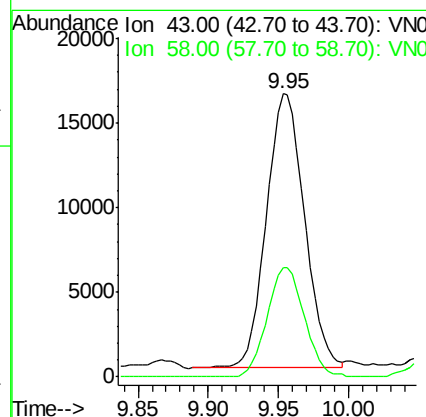
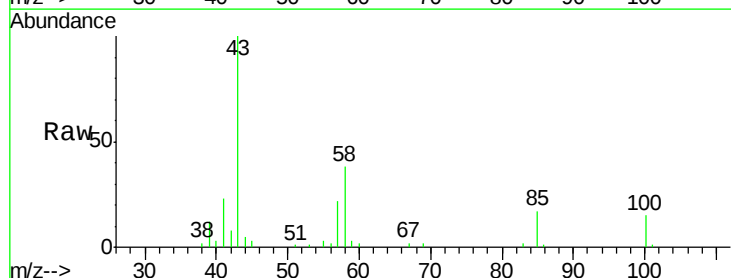
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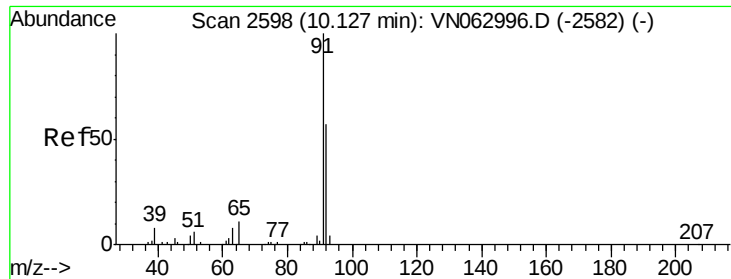
MMDadoda
8/26/2020 11:27:09 AM



#51
4-Methyl-2-Pentanone
Concen: 12.049 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion: 43 Resp: 30480
Ion Ratio Lower Upper
43 100
58 38.9 32.2 48.2





#52

Toluene

Concen: 21.579 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063122.D

Acq: 25 Aug 2020 19:28

Instrument :

MSVOA_N

ClientSampled :

COMP-3

Tot Ion: 92 Resp: 106436

Ion Ratio Lower Upper

92 100

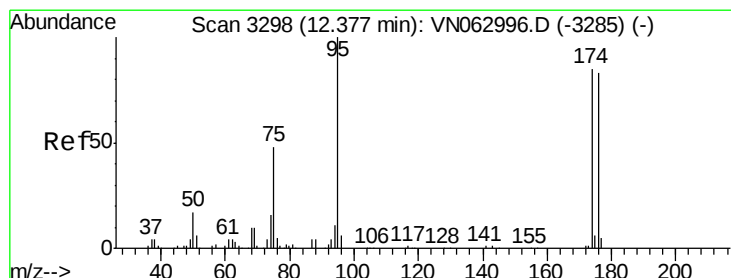
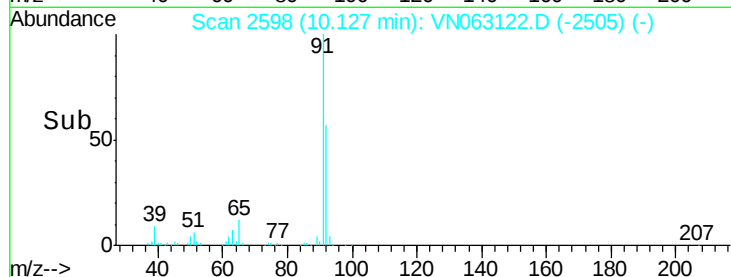
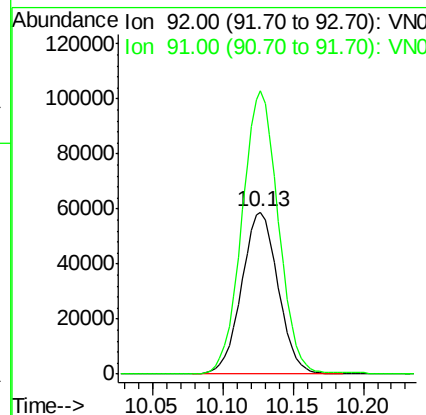
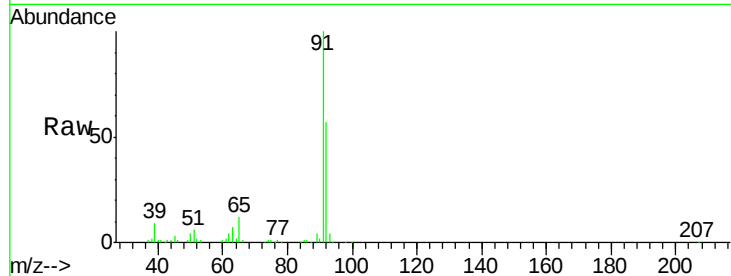
91 174.3 139.2 208.8

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#62

4-Bromofluorobenzene

Concen: 53.606 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063122.D

Acq: 25 Aug 2020 19:28

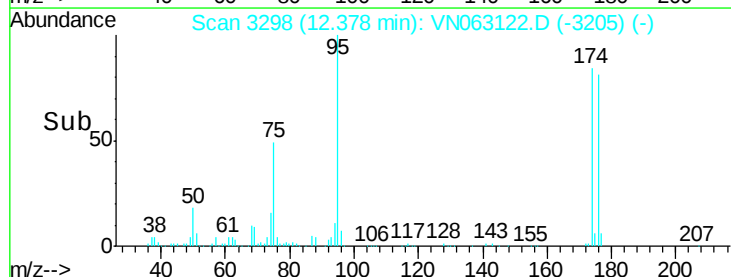
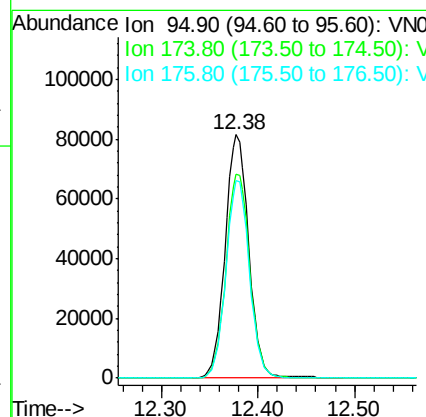
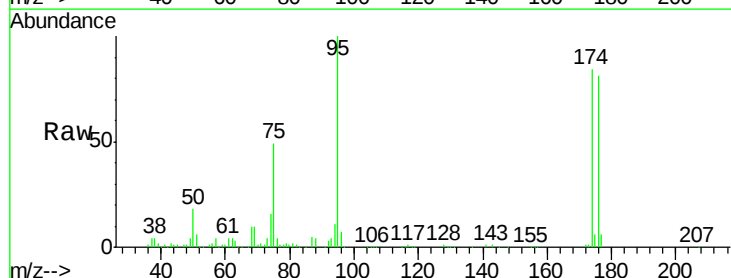
Tgt Ion: 95 Resp: 138503

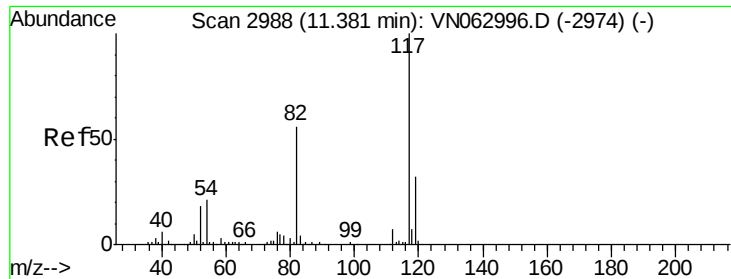
Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.8

176 80.1 0.0 164.8





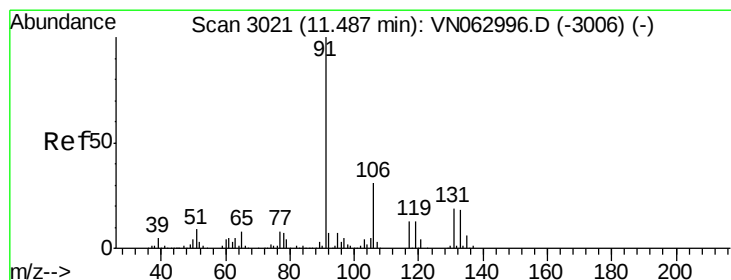
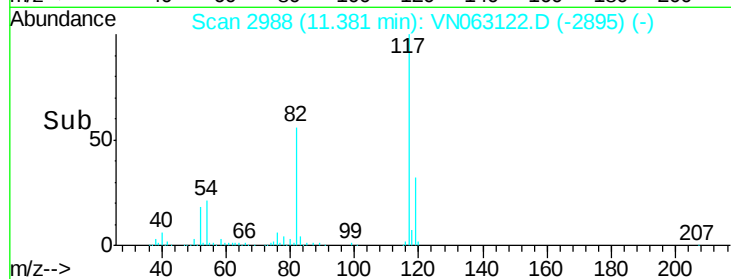
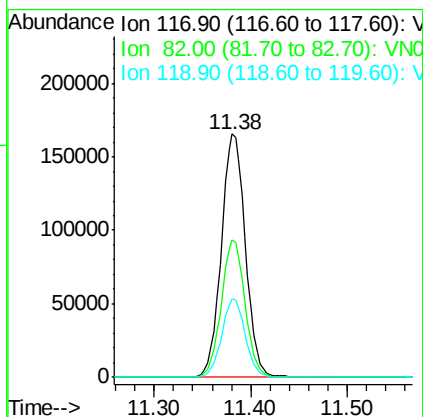
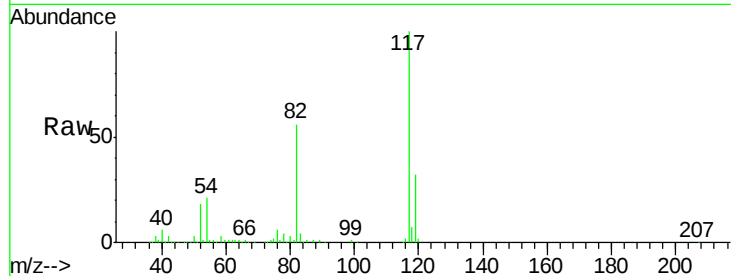
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284766		
82	56.4		44.5	66.7
119	32.1		25.5	38.3

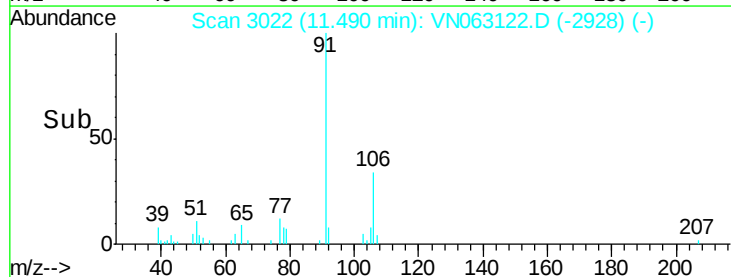
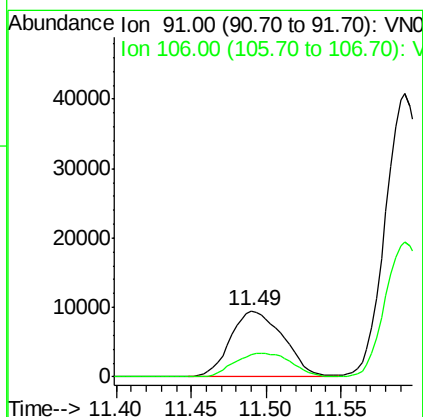
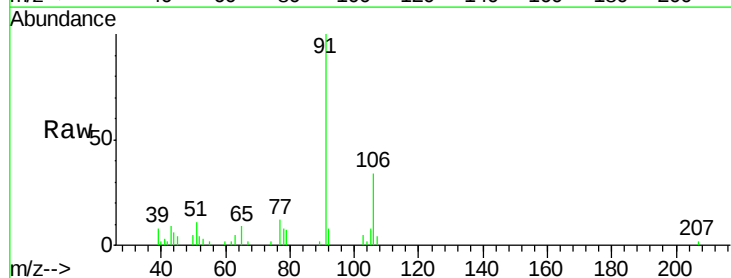
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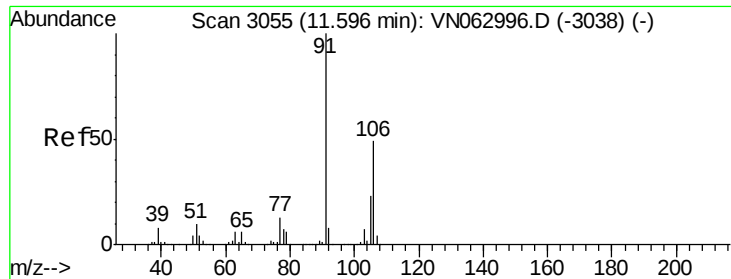
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#67
Ethyl Benzene
Concen: 2.429 ug/l
RT: 11.49 min Scan# 3022
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23472		
106	33.6		24.6	37.0





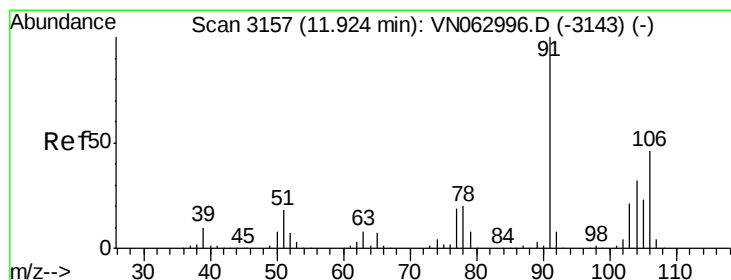
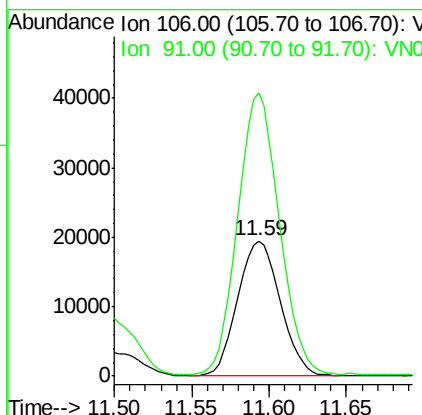
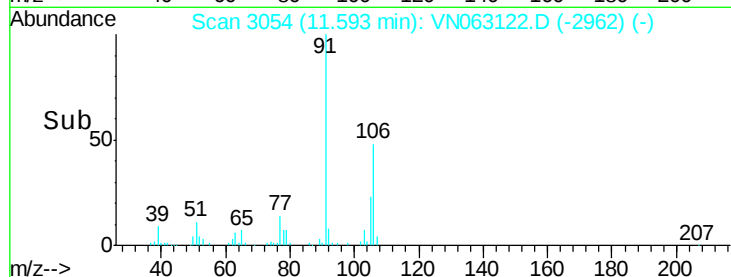
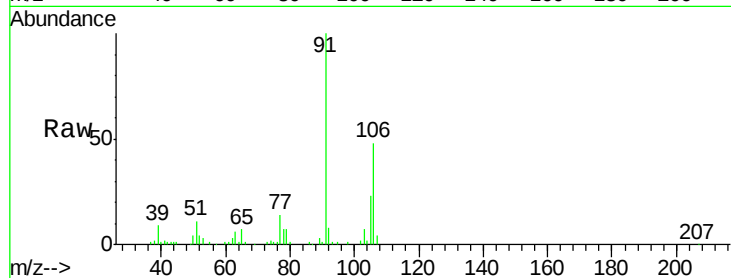
#68
m/p-Xylenes
Concen: 10.428 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion:106 Resp: 37454
Ion Ratio Lower Upper
106 100
91 202.3 163.0 244.4

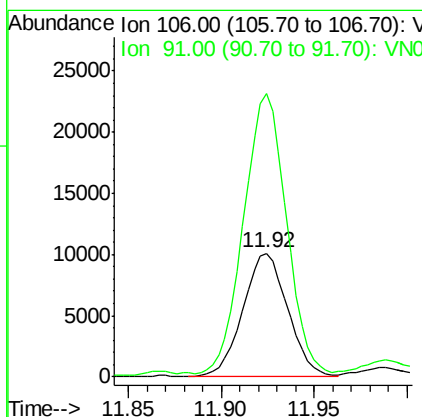
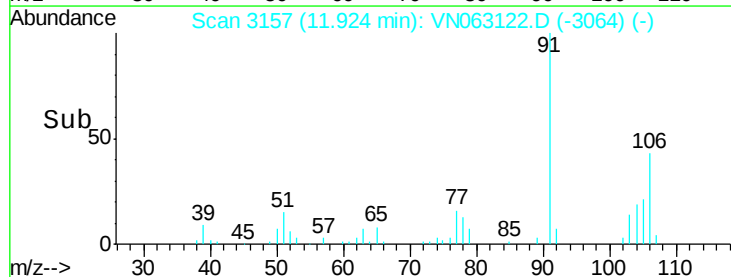
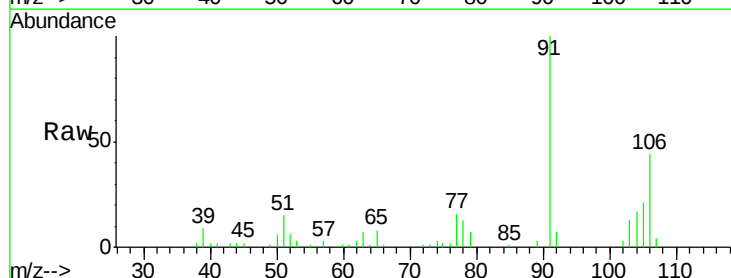
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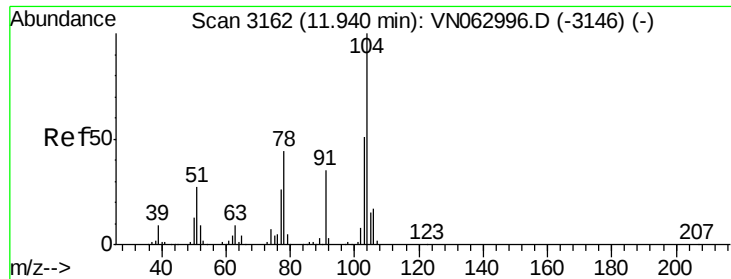
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#69
o-Xylene
Concen: 4.936 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion:106 Resp: 17024
Ion Ratio Lower Upper
106 100
91 214.2 107.3 321.9





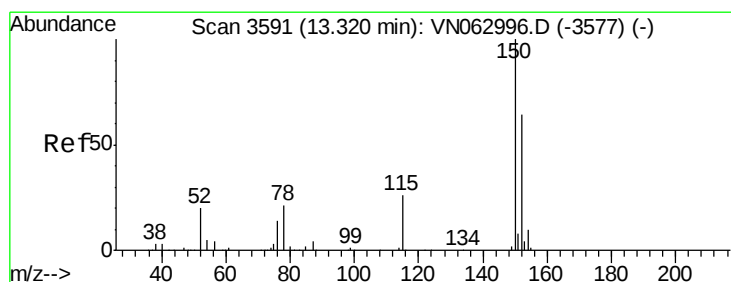
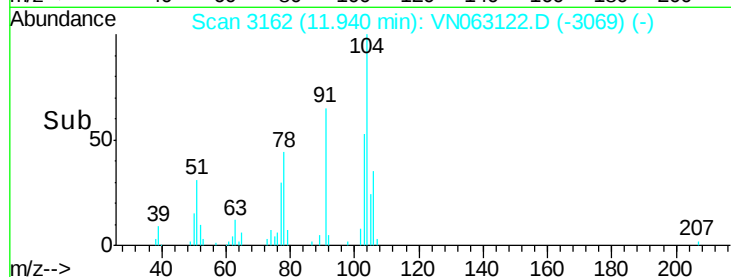
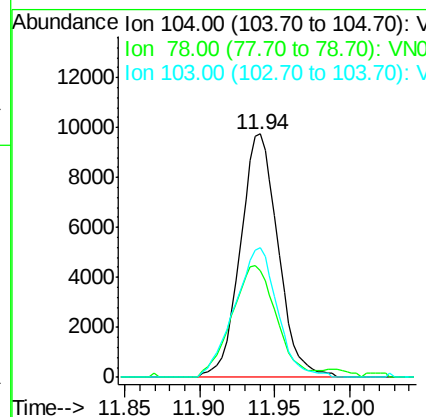
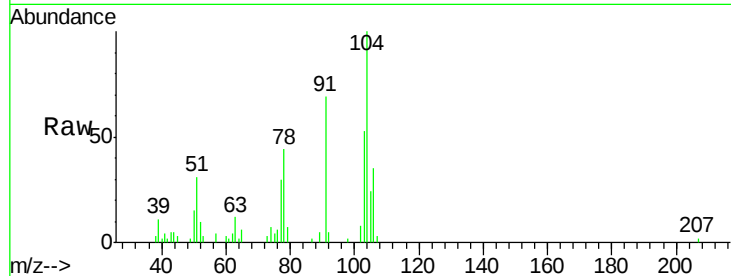
#70
Stvrene
Concen: 4.330 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	39.0	58.6
103	60.2	44.3	66.5

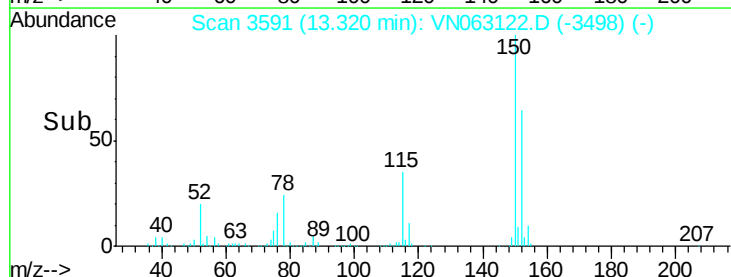
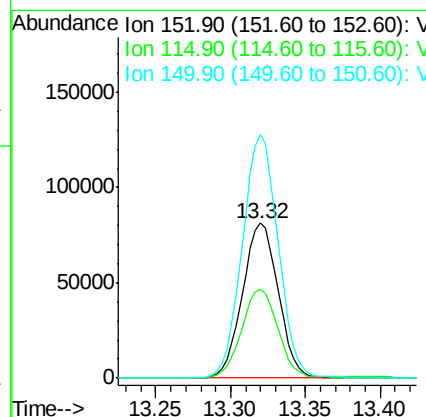
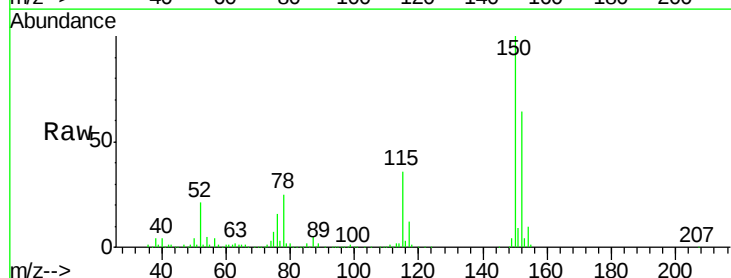
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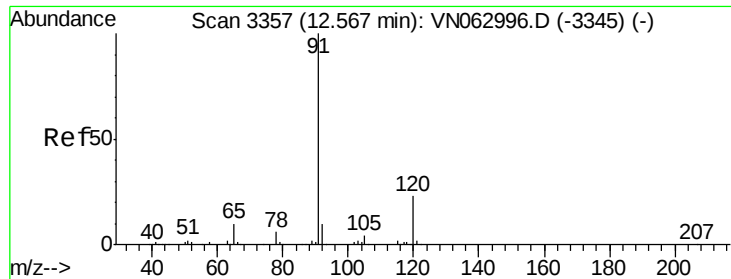
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.7	86.3
150	157.8	0.0	348.8





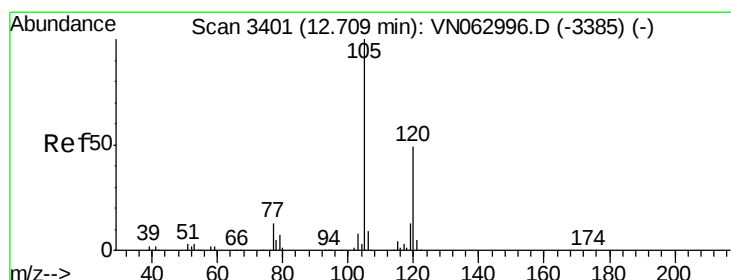
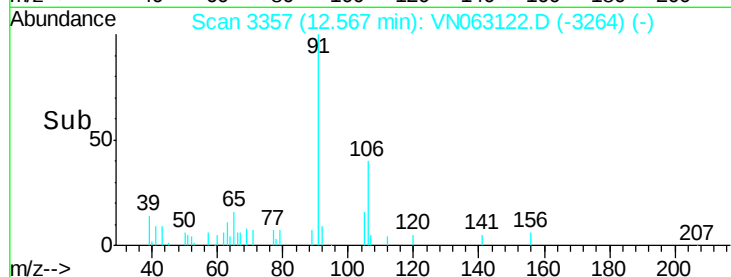
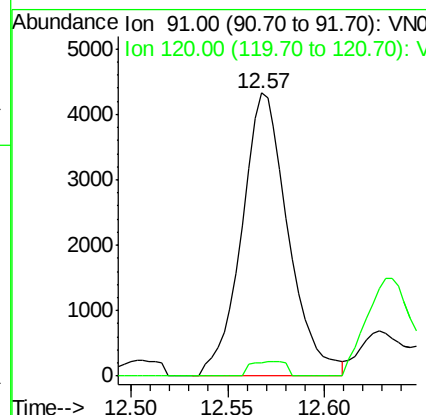
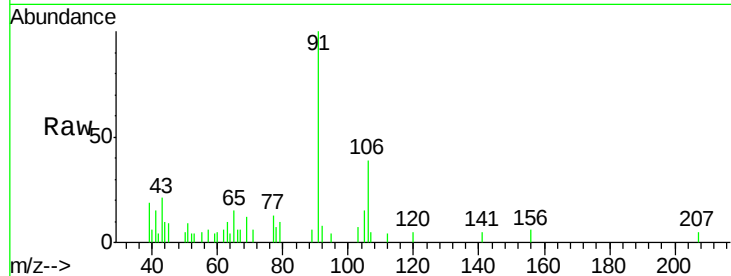
#78
n-propylbenzene
Concen: 0.686 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion: 91 Resp: 7240
Ion Ratio Lower Upper
91 100
120 3.8 11.4 34.1#

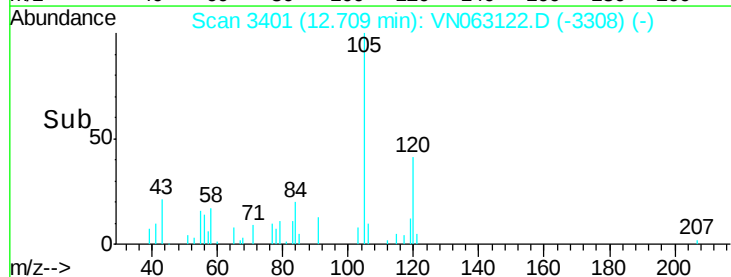
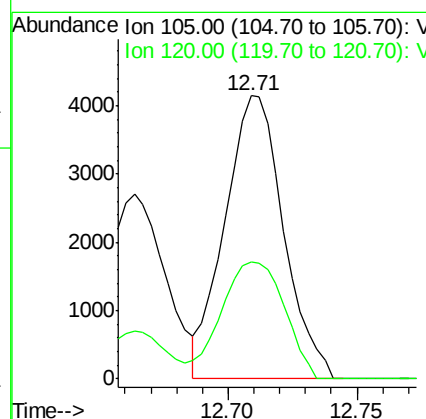
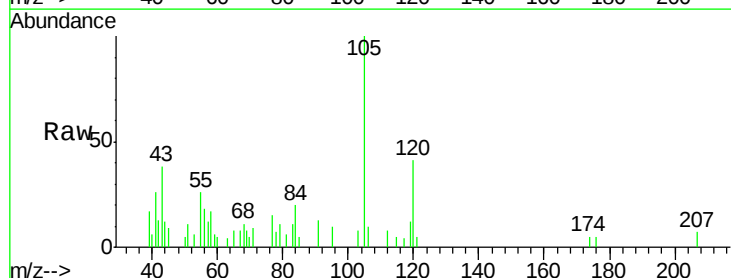
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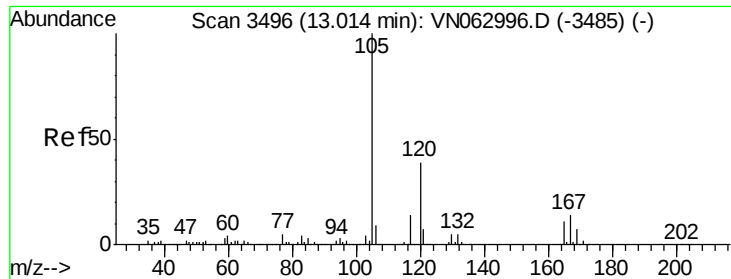
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#80
1,3,5-Trimethylbenzene
Concen: 0.858 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion: 105 Resp: 6571
Ion Ratio Lower Upper
105 100
120 44.7 24.3 72.8





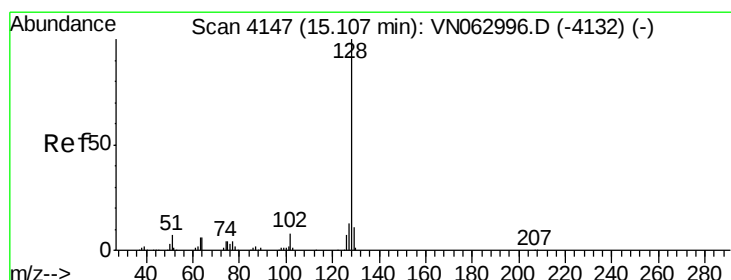
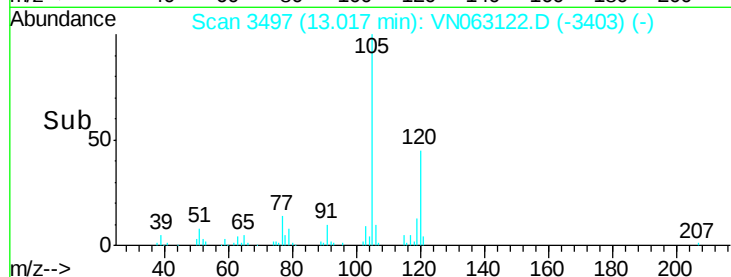
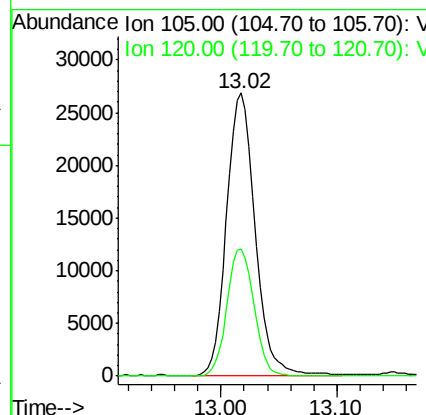
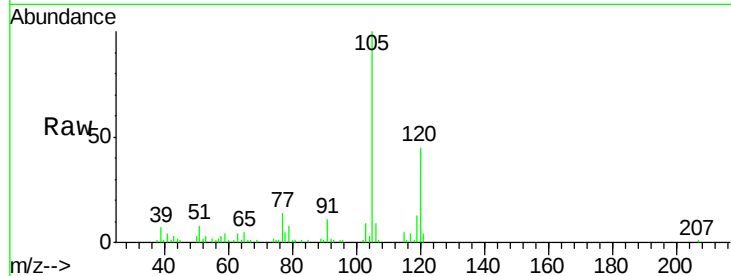
#84
1,2,4-Trimethylbenzene
Concen: 6.177 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.1	22.5	67.5

Manual Integrations
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#95
Naphthalene
Concen: 127.065 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063122.D
Acq: 25 Aug 2020 19:28

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.8	8.9	13.3

