

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063120.D
 Acq On : 25 Aug 2020 18:39
 Operator : JC/MD
 Sample : L3792-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 11:27:03 AM

Quant Time: Aug 26 07:01:56 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	163181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	277839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	98720	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
35) Dibromofluoromethane	7.55	113	80334	44.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.74%	
50) Toluene-d8	10.06	98	346589	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.38	95	131874	53.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	107196	391.308	ug/l	98
16) Acetone	3.78	43	343844	575.236	ug/l	98
17) Carbon Disulfide	4.02	76	4818m	1.328	ug/l	
18) Methyl Acetate	4.29	43	75859	39.470	ug/l	99
25) 2-Butanone	6.80	43	20188	19.662	ug/l	91
29) Tetrahydrofuran	7.18	42	2259m	3.409	ug/l	
40) Benzene	8.00	78	129541	16.681	ug/l	99
49) 1,4-Dioxane	9.17	88	4532	128.062	ug/l #	75
51) 4-Methyl-2-Pentanone	9.96	43	21398	8.907	ug/l	97
52) Toluene	10.13	92	67857	14.485	ug/l	99
67) Ethyl Benzene	11.49	91	19469	2.115	ug/l	91
68) m/p-Xylenes	11.59	106	29180	8.528	ug/l	97
69) o-Xylene	11.92	106	13678	4.163	ug/l	100
70) Styrene	11.94	104	11973	3.689	ug/l #	85
78) n-propylbenzene	12.57	91	6763	0.658	ug/l #	59
80) 1,3,5-Trimethylbenzene	12.71	105	5230	0.702	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	40469	5.573	ug/l	97
95) Naphthalene	15.11	128	438488	79.690	ug/l	99

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

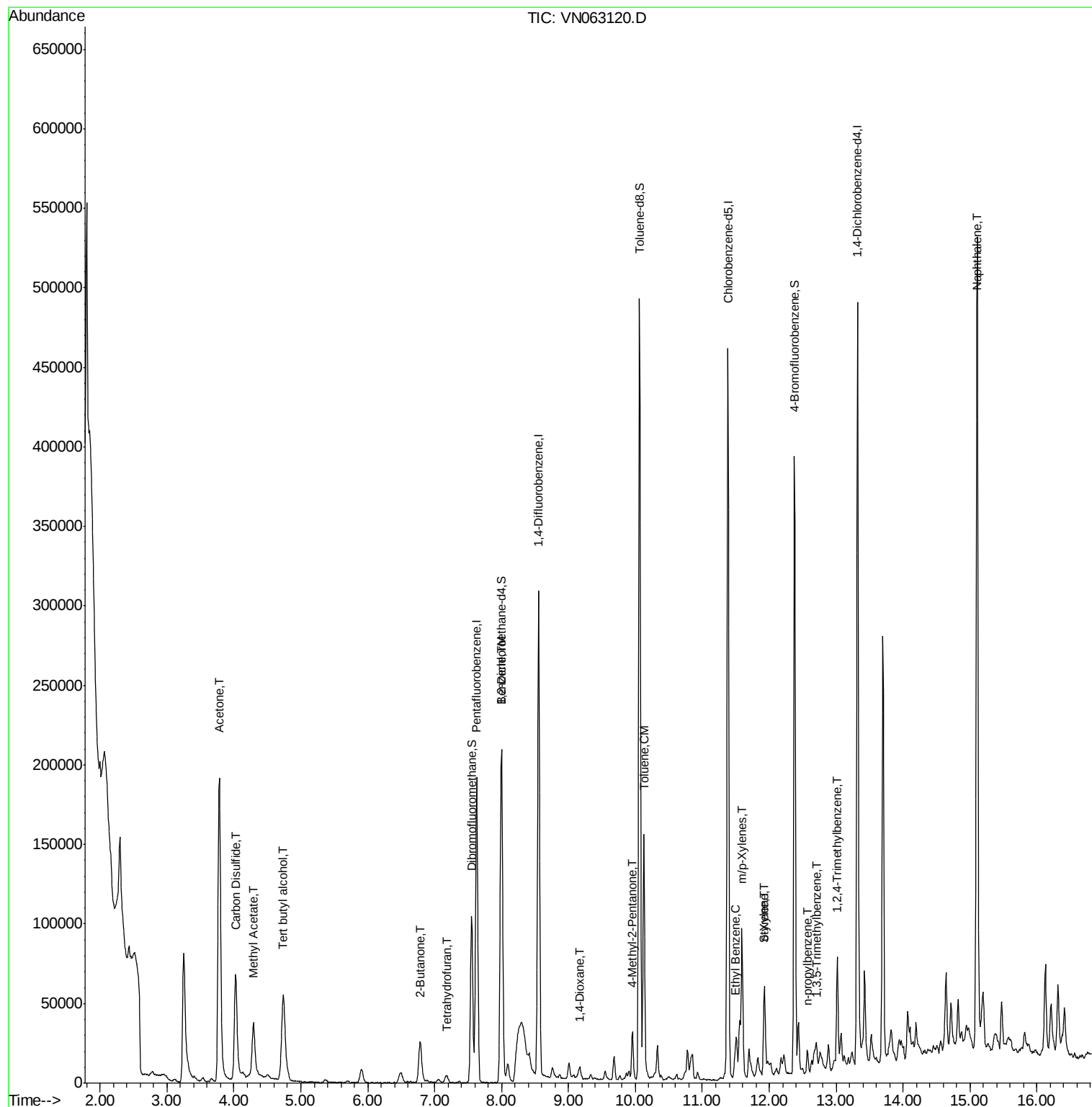
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
Data File : VN063120.D
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Quant Time: Aug 26 07:01:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063120.D

Acq: 25 Aug 2020 18:39

Instrument :

MSVOA_N

ClientSampled :

COMP-1

Tot Ion:168 Resp: 163181

Ion Ratio Lower Upper

168 100

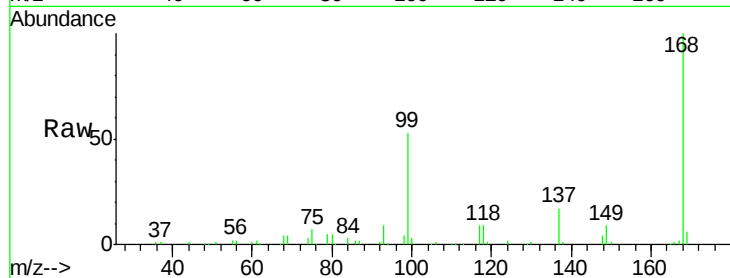
99 53.0 42.0 63.0

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

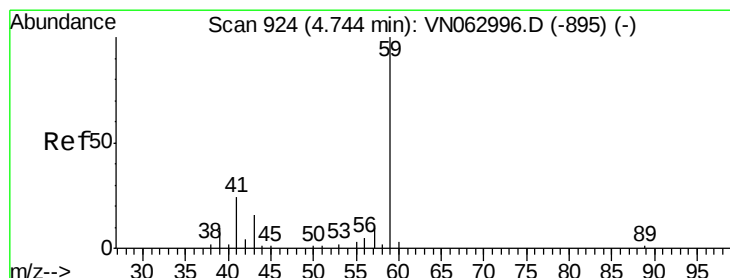
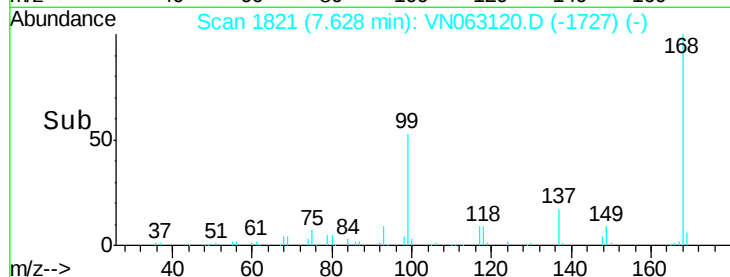
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 391.308 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.01 min

Lab File: VN063120.D

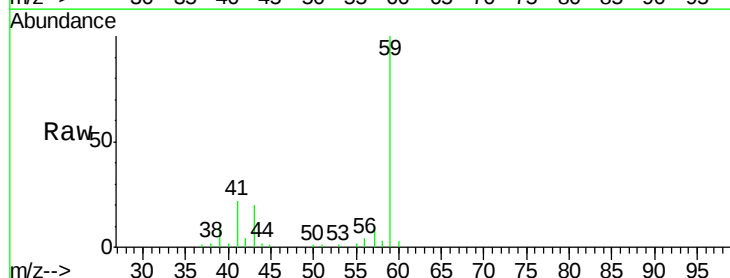
Acq: 25 Aug 2020 18:39

Tgt Ion: 59 Resp: 107196

Ion Ratio Lower Upper

59 100

57 10.3 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

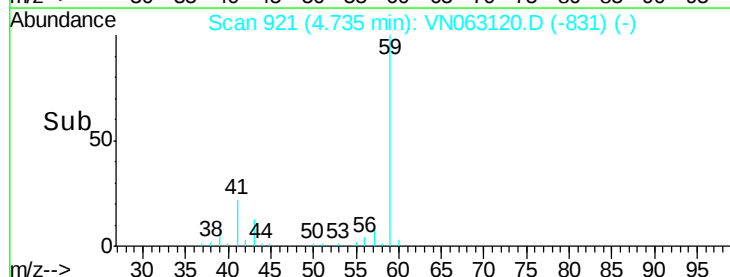
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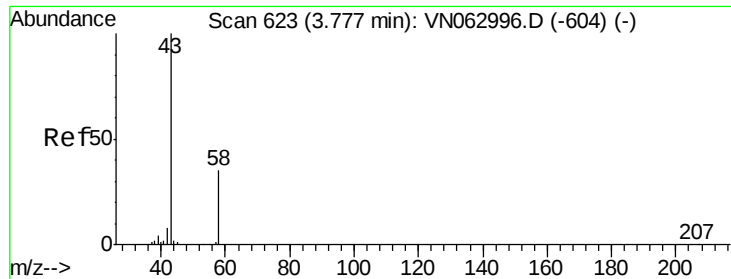
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10000

0

Time--> 4.60 4.70 4.80 4.90





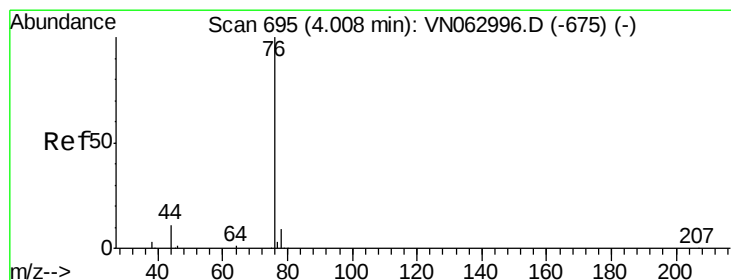
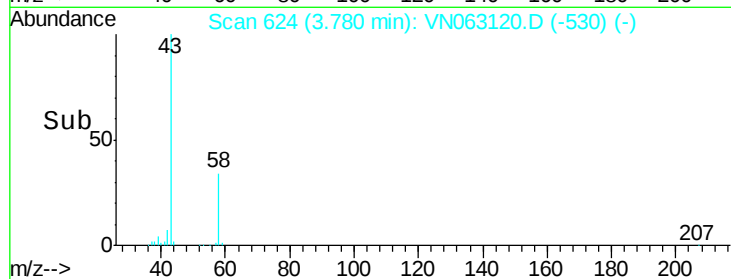
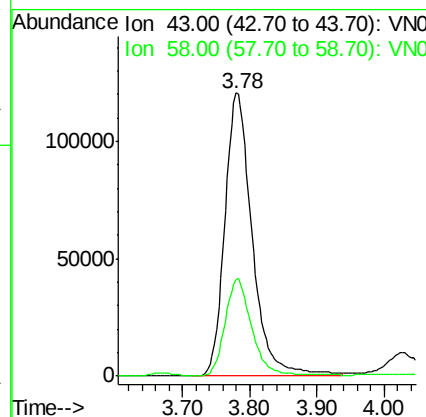
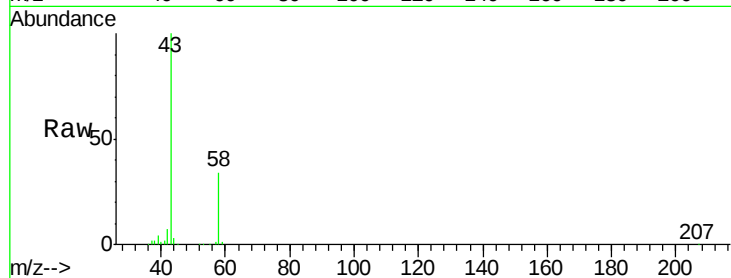
#16
Acetone
Concen: 575.236 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion: 43 Resp: 343844
Ion Ratio Lower Upper
43 100
58 33.8 27.8 41.6

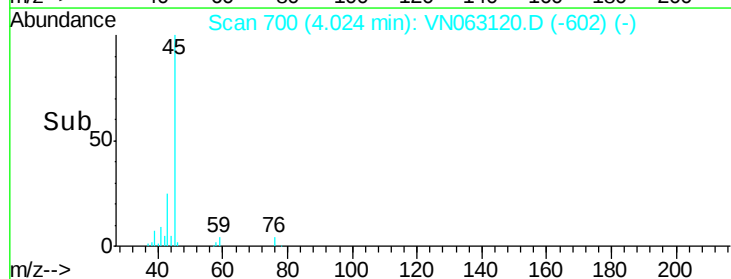
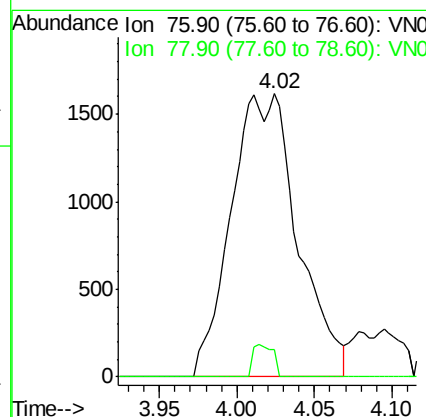
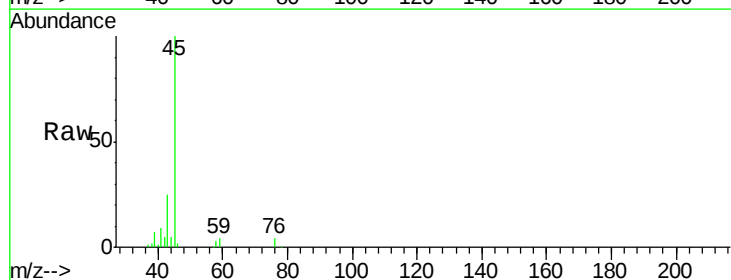
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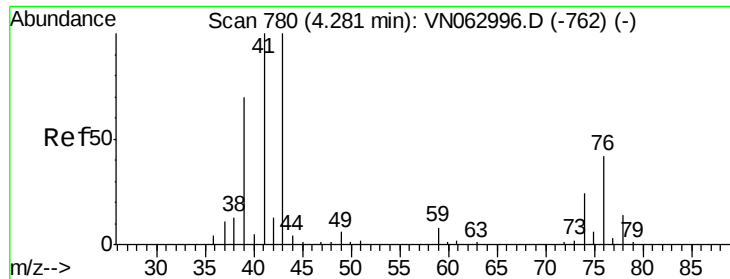
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#17
Carbon Disulfide
Concen: 1.328 ug/l m
RT: 4.02 min Scan# 700
Delta R.T. 0.02 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion: 76 Resp: 4818
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3





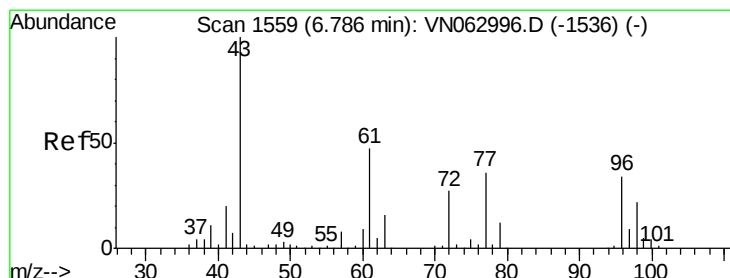
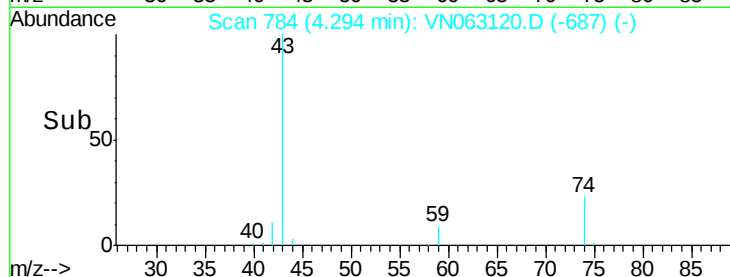
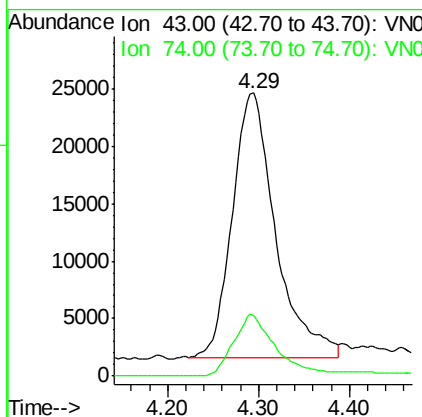
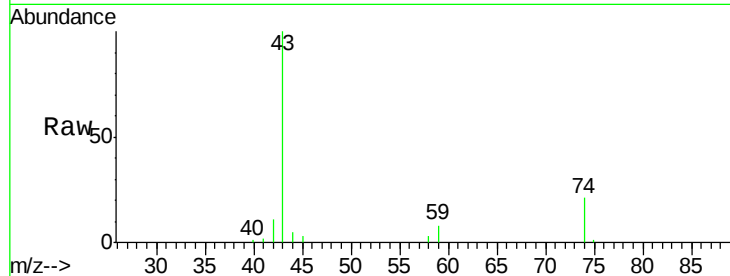
#18
Methvl Acetate
Concen: 39.470 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion: 43 Resp: 75859
Ion Ratio Lower Upper
43 100
74 22.8 18.6 28.0

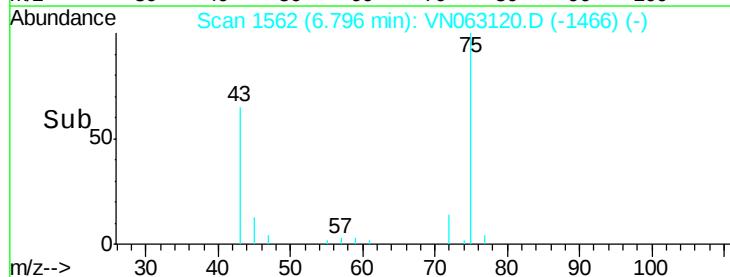
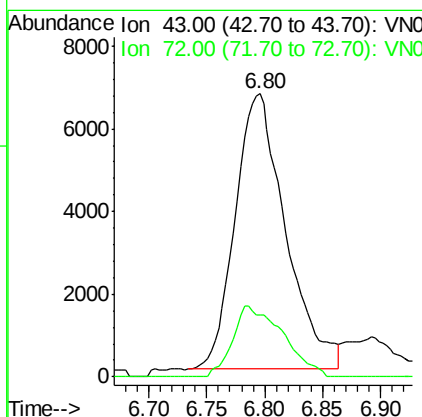
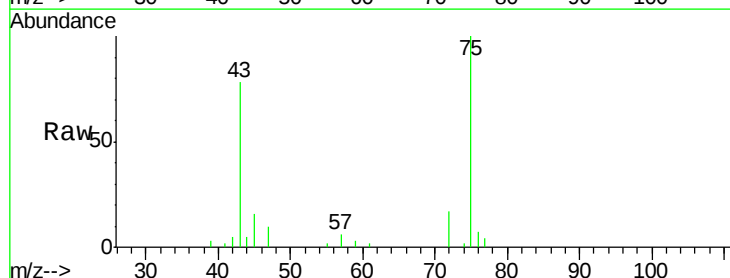
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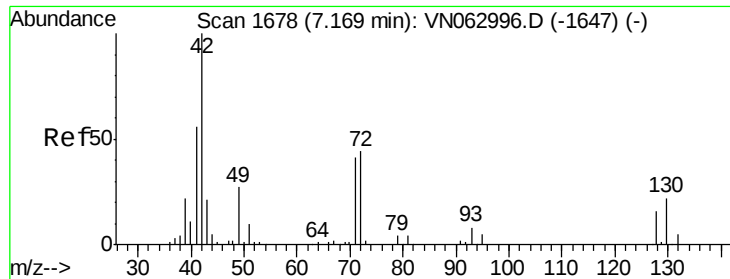
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#25
2-Butanone
Concen: 19.662 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion: 43 Resp: 20188
Ion Ratio Lower Upper
43 100
72 22.6 21.8 32.6





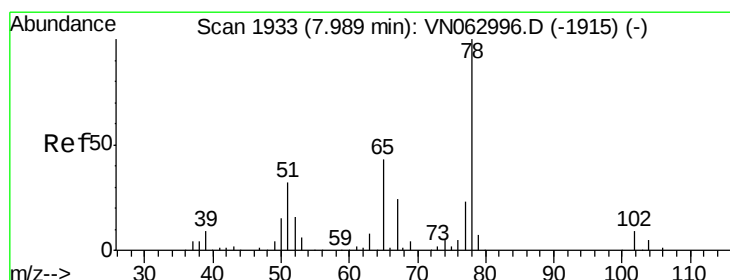
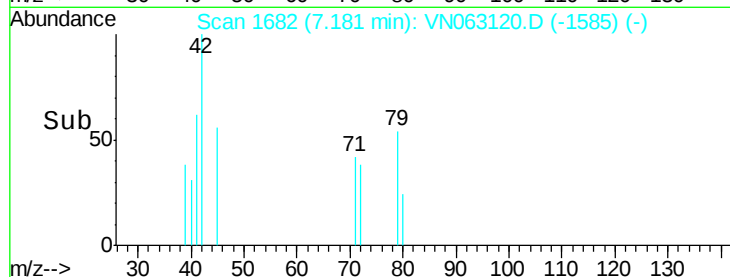
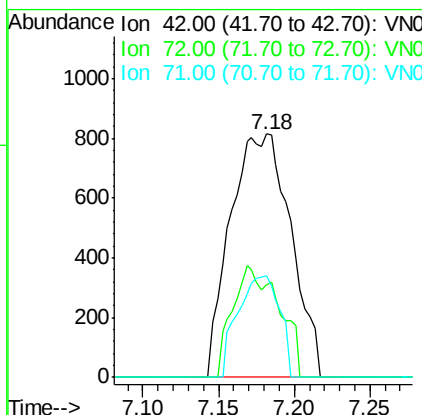
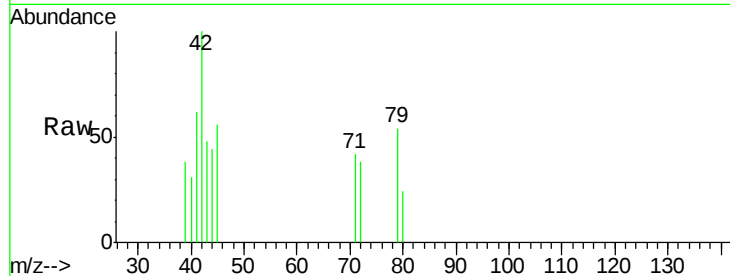
#29
Tetrahydrofuran
Concen: 3.409 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	34.6	52.0
71	28.7	32.3	48.5#

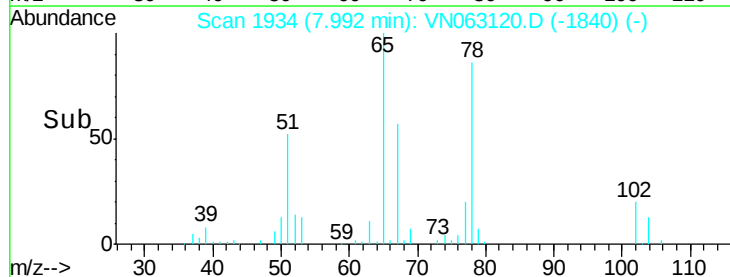
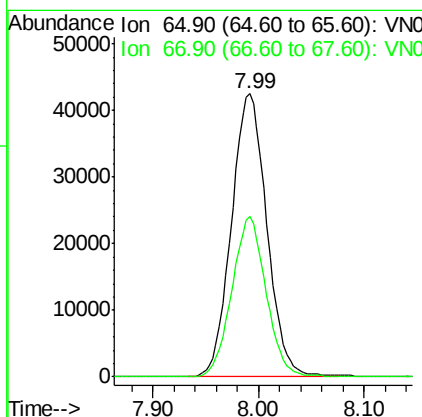
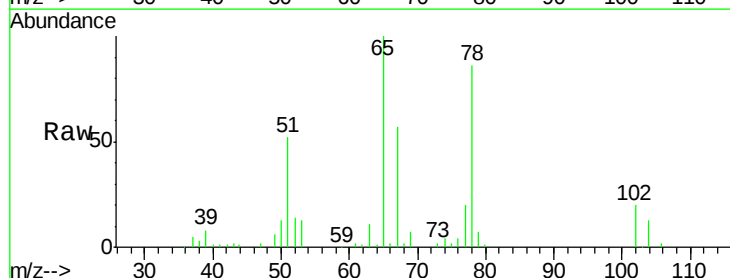
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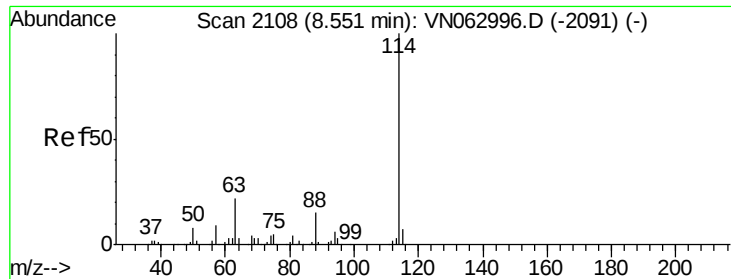
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#33
1,2-Dichloroethane-d4
Concen: 51.044 ug/l
RT: 7.99 min Scan# 1934
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	112.0





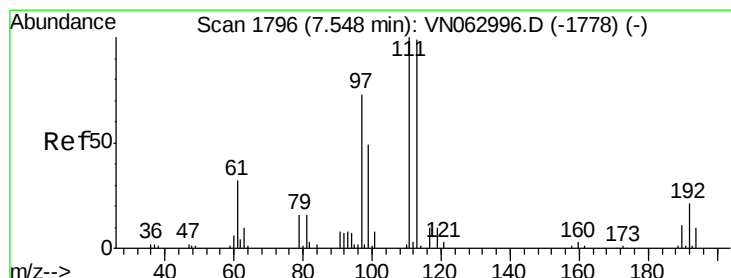
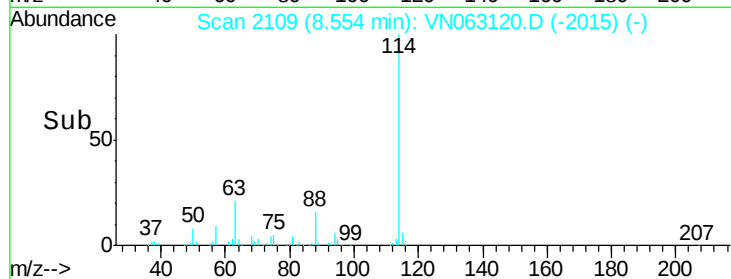
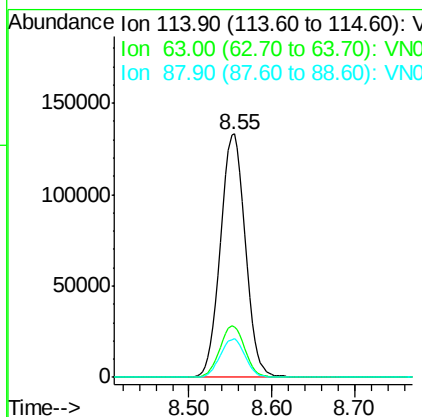
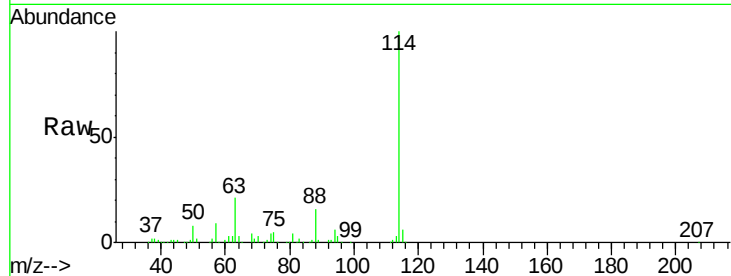
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2109
 Delta R.T. 0.00 min
 Lab File: VN063120.D
 Acq: 25 Aug 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	277839		
63	20.7		0.0	43.2
88	15.7		0.0	30.6

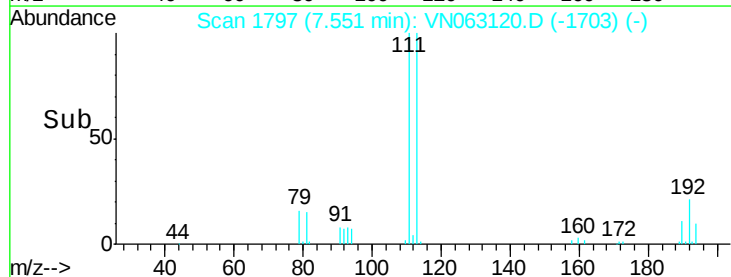
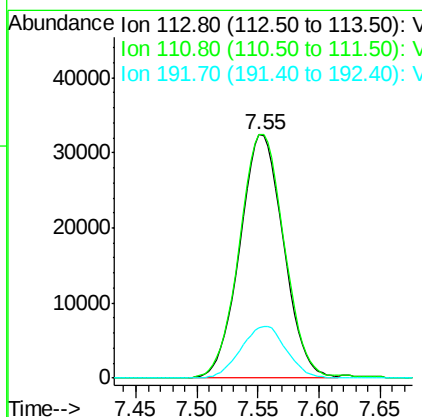
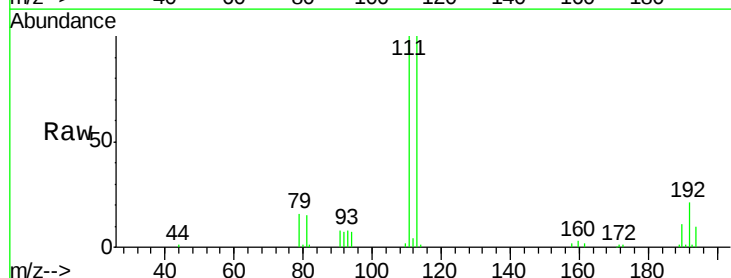
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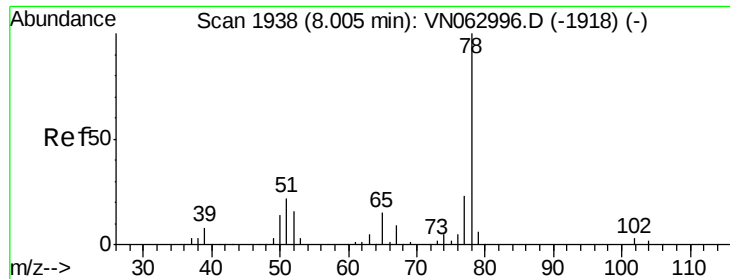
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#35
 Dibromofluoromethane
 Concen: 44.374 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063120.D
 Acq: 25 Aug 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	80334		
111	102.7		81.7	122.5
192	22.1		17.5	26.3





#40

Benzene

Concen: 16.681 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN063120.D

Acq: 25 Aug 2020 18:39

Instrument :

MSVOA_N

ClientSampled :

COMP-1

Tot Ion: 78 Resp: 129541

Ion Ratio Lower Upper

78 100

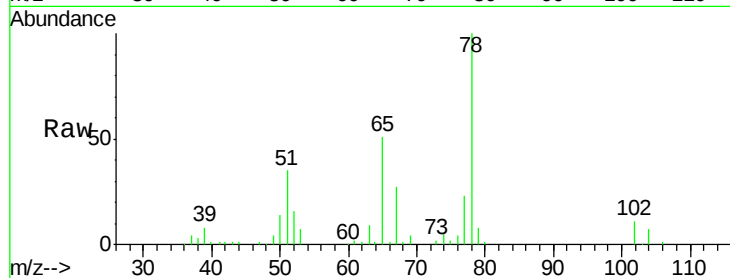
77 23.0 18.8 28.2

Manual Integrations

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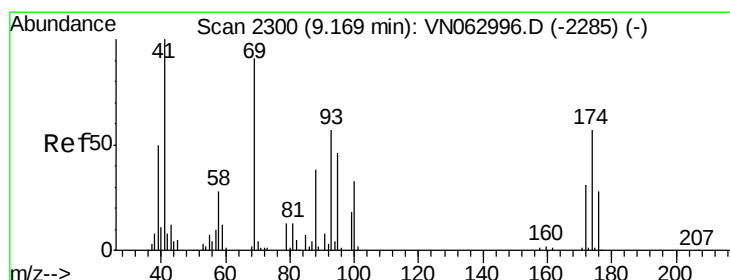
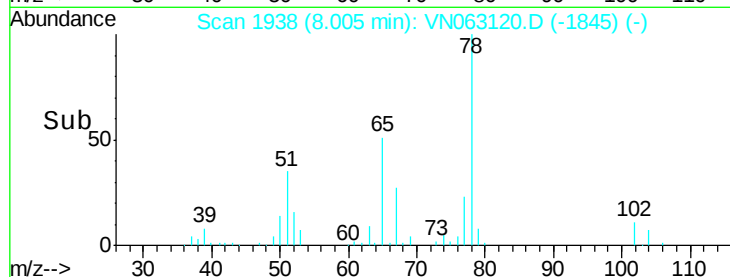
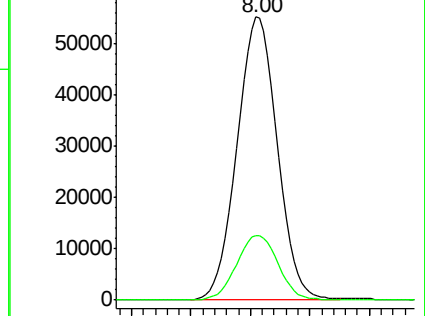
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

1,4-Dioxane

Concen: 128.062 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.00 min

Lab File: VN063120.D

Acq: 25 Aug 2020 18:39

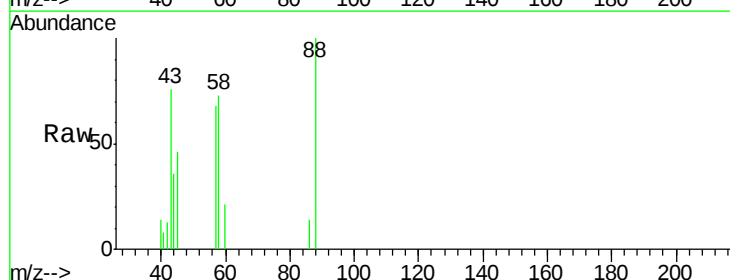
Tgt Ion: 88 Resp: 4532

Ion Ratio Lower Upper

88 100

43 65.7 25.2 37.8#

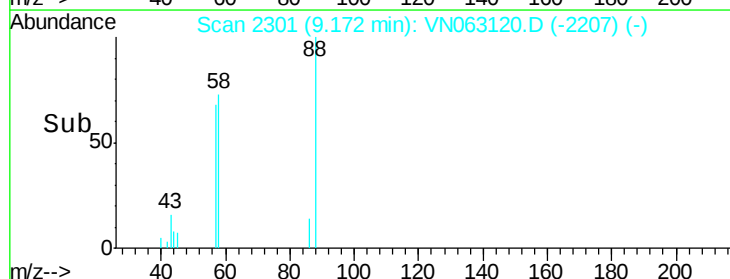
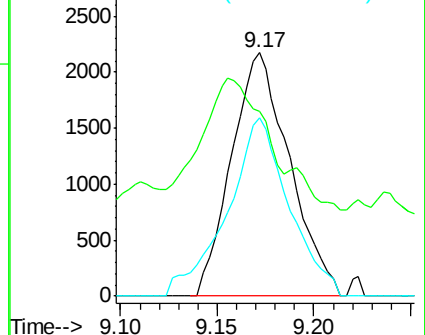
58 77.8 56.7 85.1

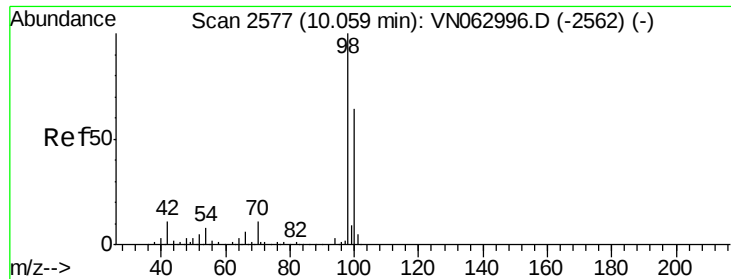


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





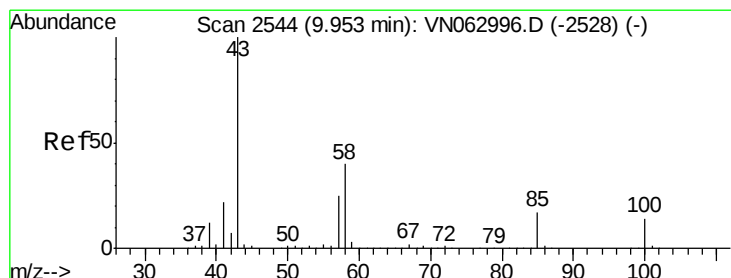
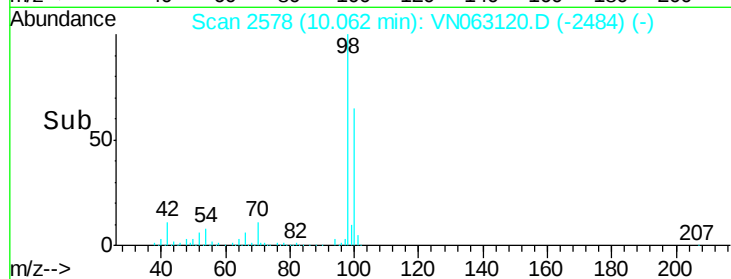
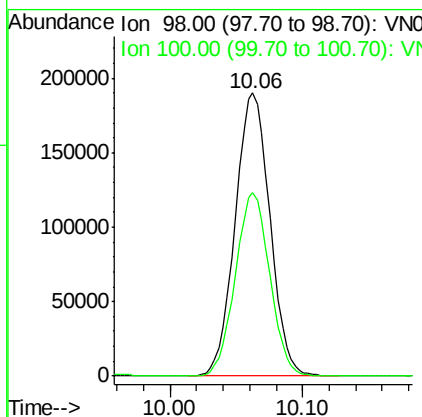
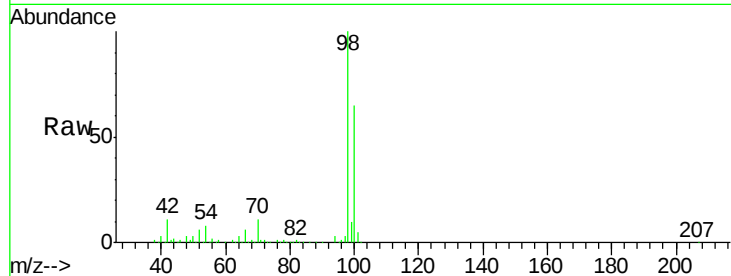
#50
Toluene-d8
Concen: 49.842 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Tot Ion: 98 Resp: 346589
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

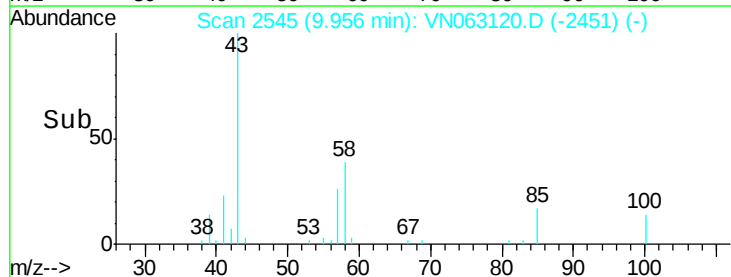
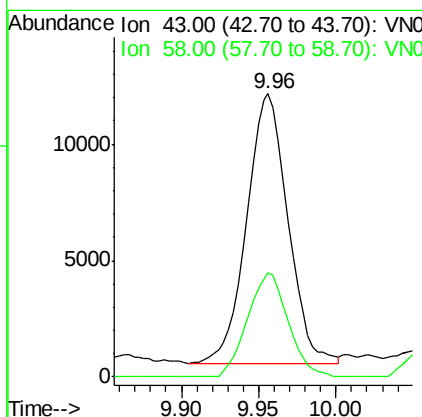
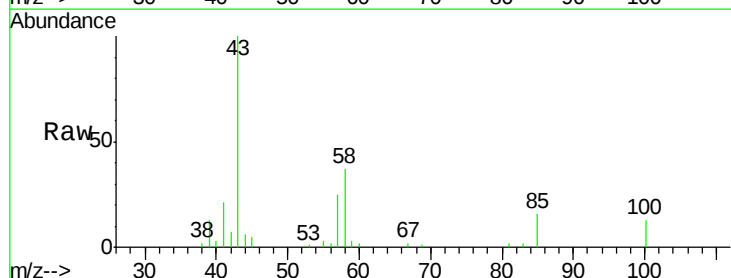
Manual Integrations
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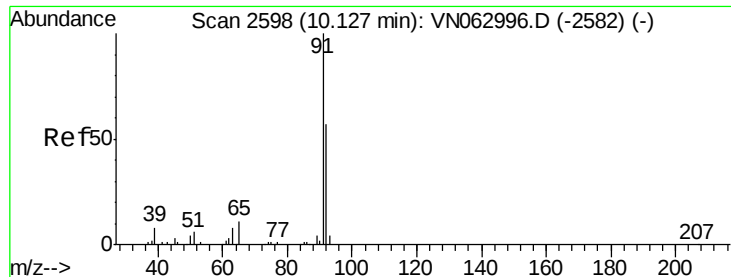
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8/26/2020 11:27:03 AM



#51
4-Methyl-2-Pentanone
Concen: 8.907 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion: 43 Resp: 21398
Ion Ratio Lower Upper
43 100
58 38.1 32.2 48.2





#52

Toluene

Concen: 14.485 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN063120.D

Acq: 25 Aug 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

Tot Ion: 92 Resp: 67857

Ion Ratio Lower Upper

92 100

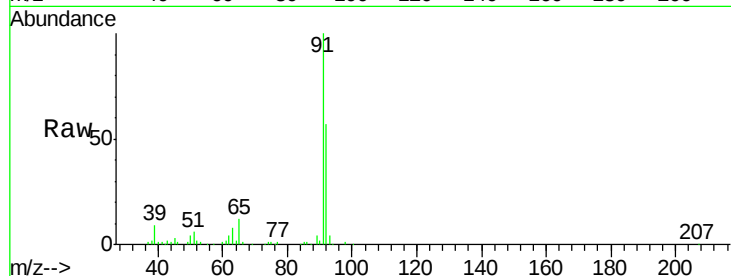
91 175.2 139.2 208.8

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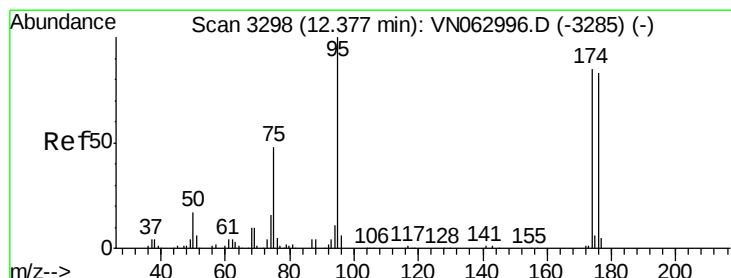
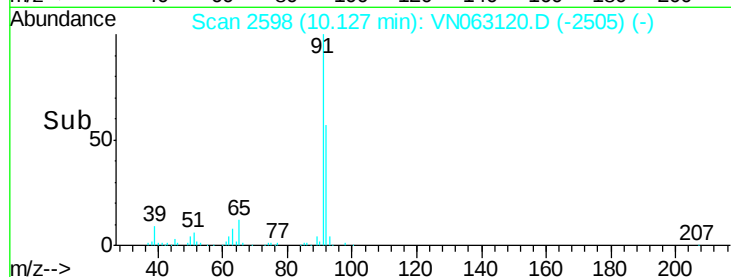
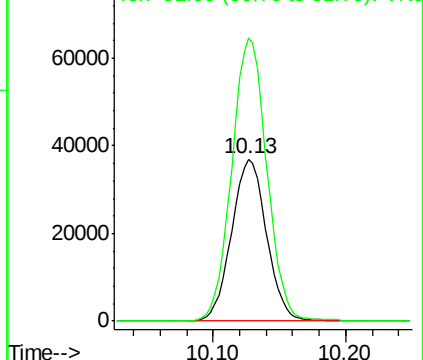
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 53.741 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063120.D

Acq: 25 Aug 2020 18:39

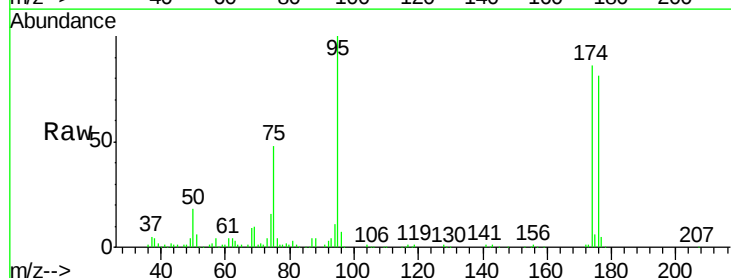
Tgt Ion: 95 Resp: 131874

Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.8

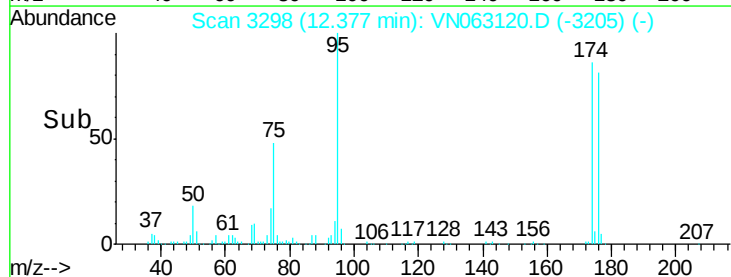
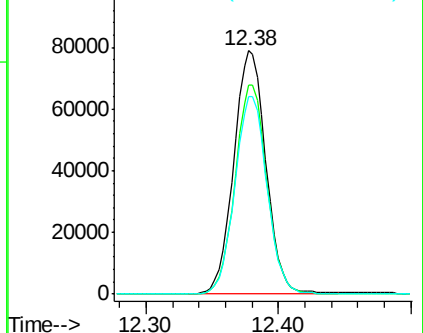
176 81.9 0.0 164.8

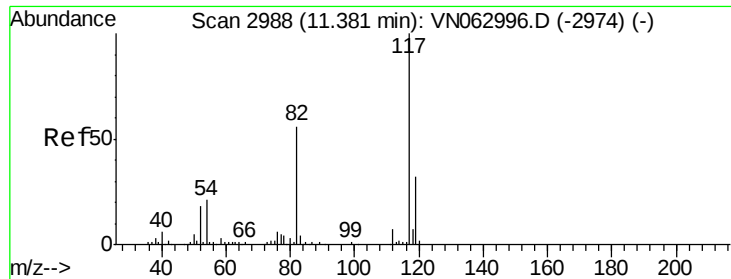


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





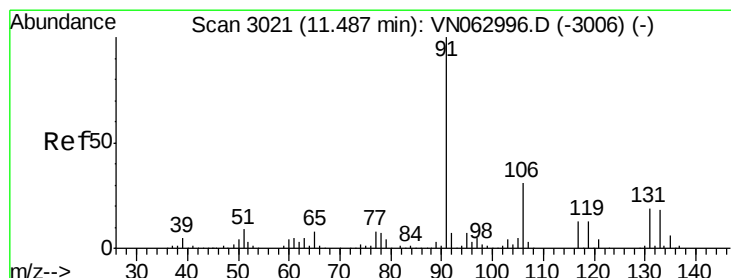
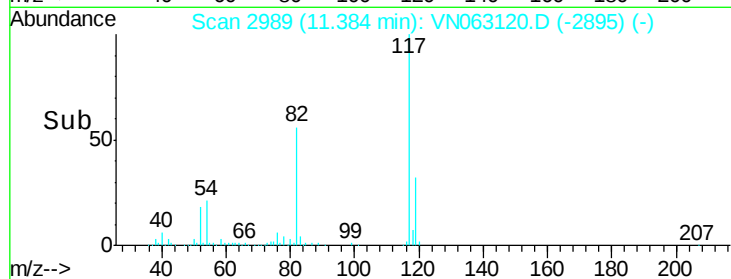
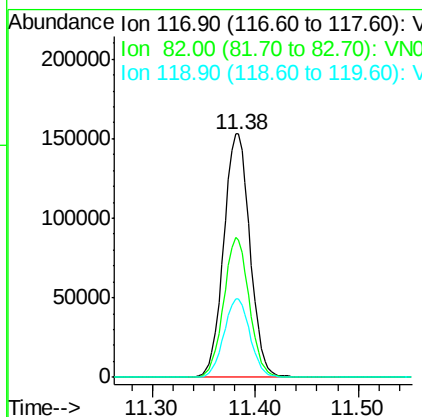
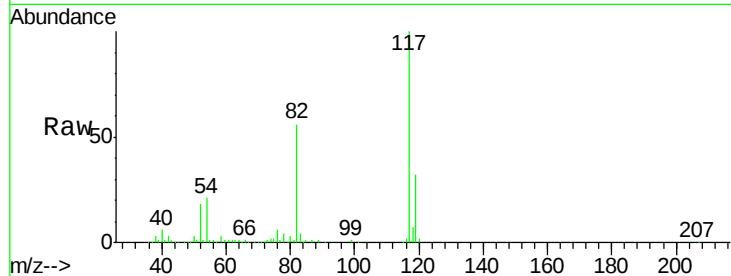
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2989
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.5	66.7
119	32.0	25.5	38.3

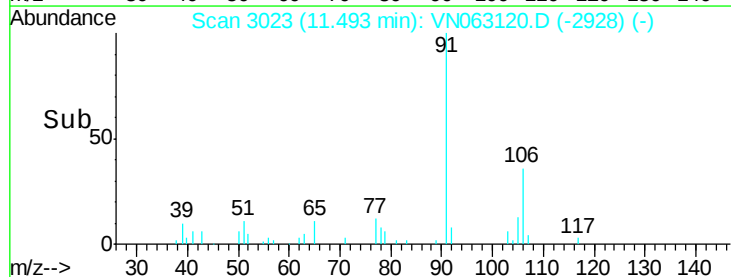
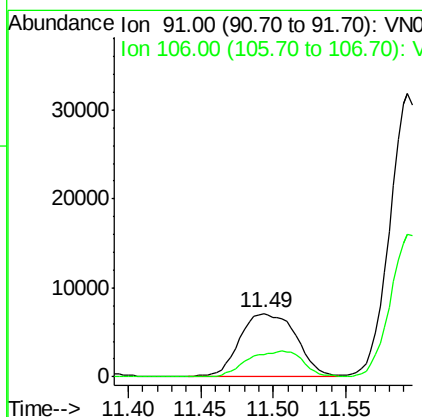
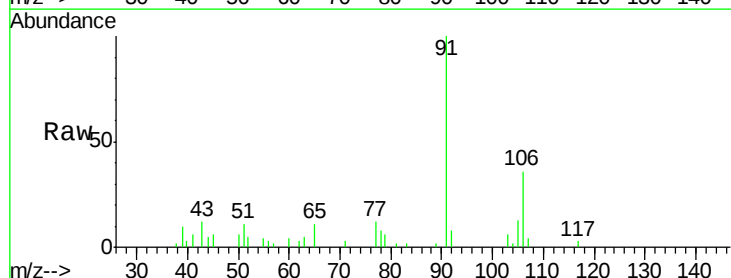
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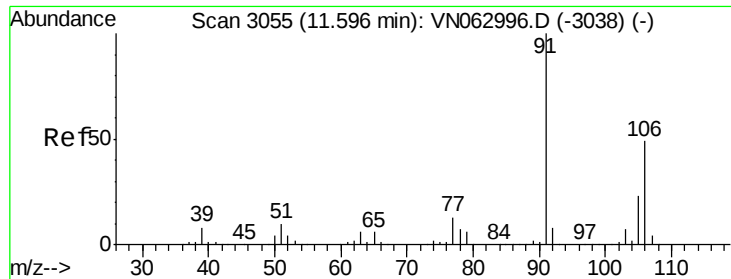
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#67
Ethyl Benzene
Concen: 2.115 ug/l
RT: 11.49 min Scan# 3023
Delta R.T. 0.01 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.0	24.6	37.0





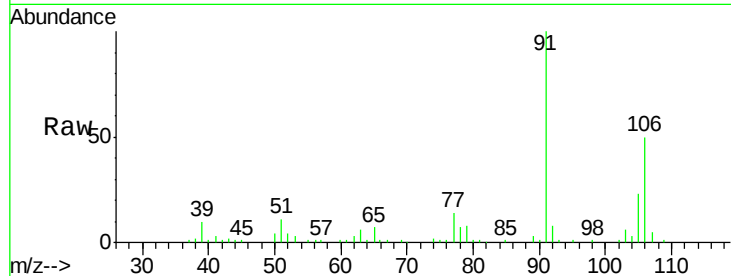
#68
m/p-Xvlenes
Concen: 8.528 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-1

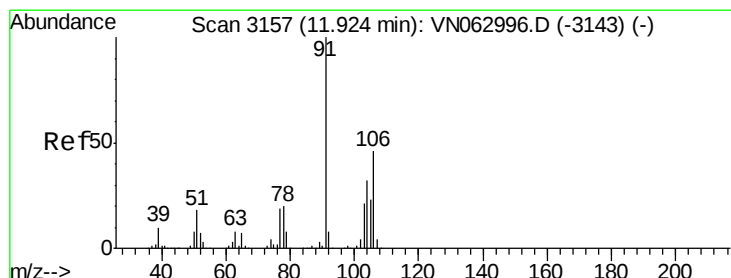
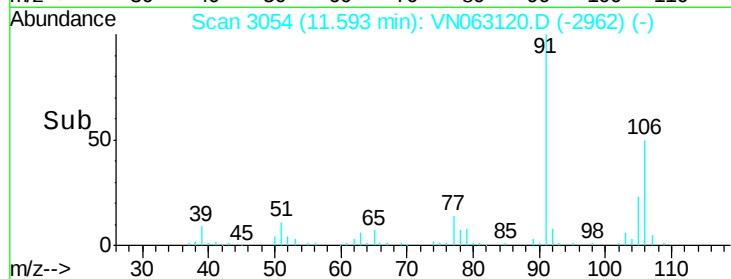
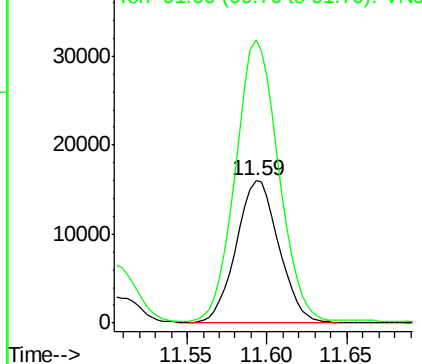
Tot Ion:106 Resp: 29180
Ion Ratio Lower Upper
106 100
91 198.7 163.0 244.4

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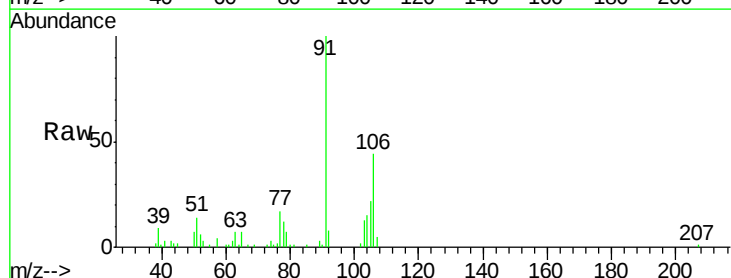


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

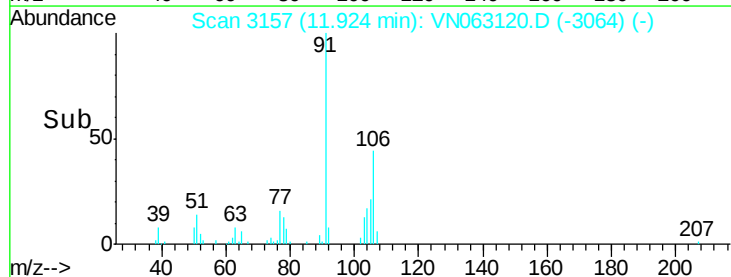
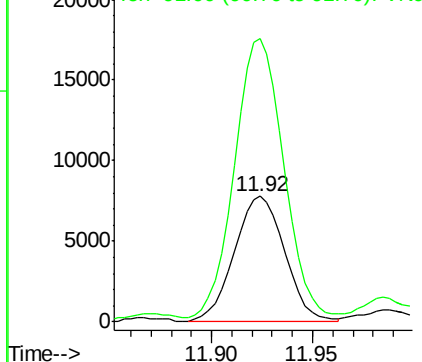


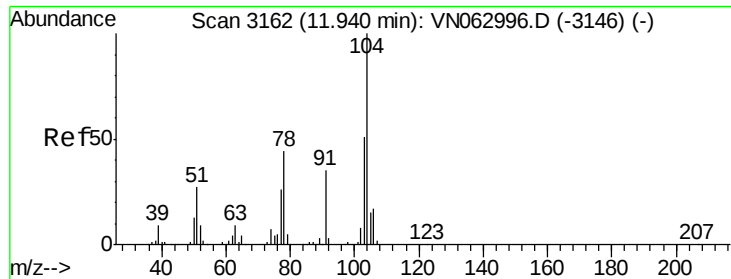
#69
o-Xylene
Concen: 4.163 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion:106 Resp: 13678
Ion Ratio Lower Upper
106 100
91 214.3 107.3 321.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





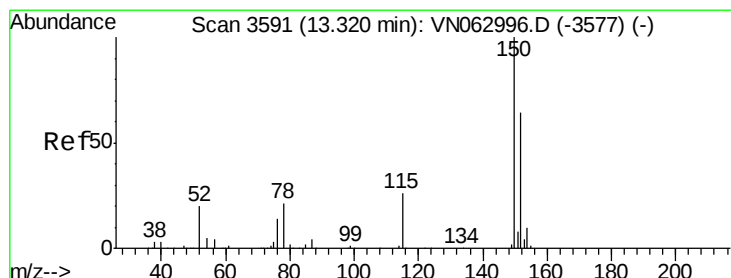
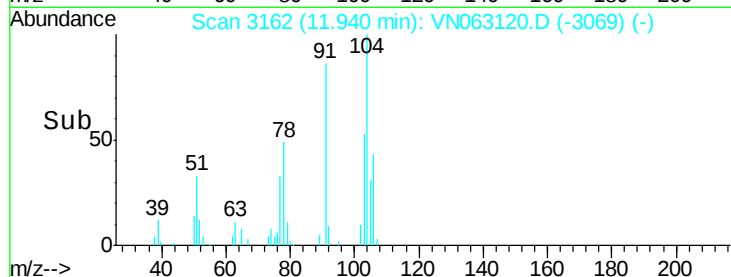
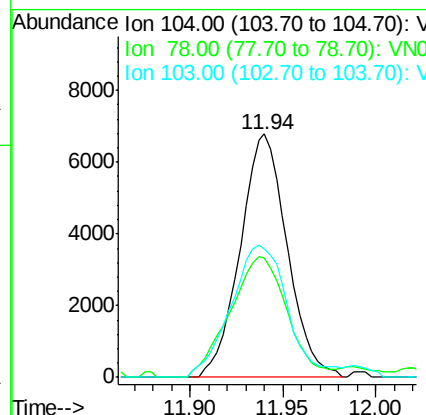
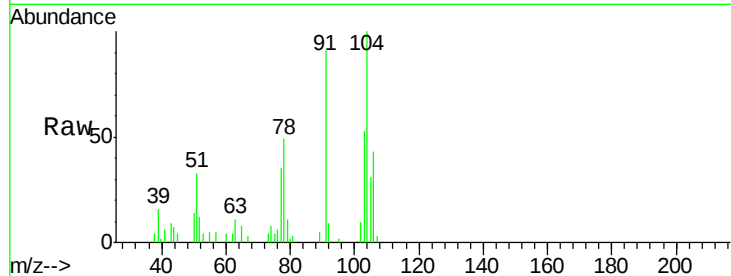
#70
Stvrene
Concen: 3.689 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.2	39.0	58.6#
103	65.8	44.3	66.5

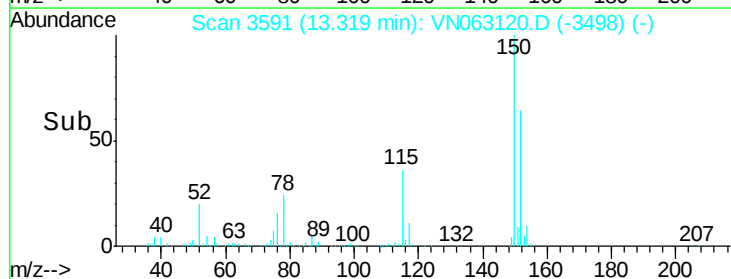
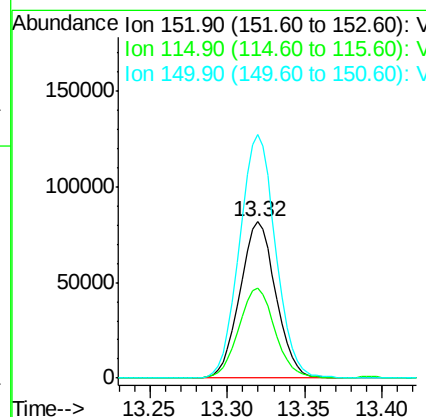
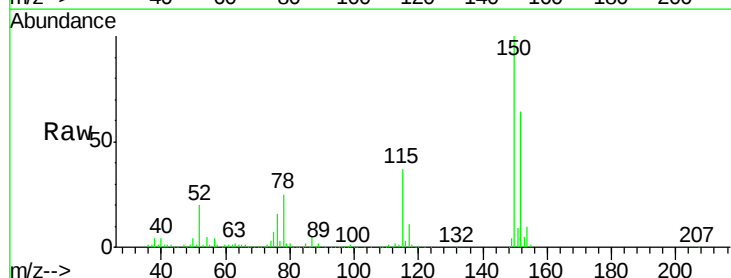
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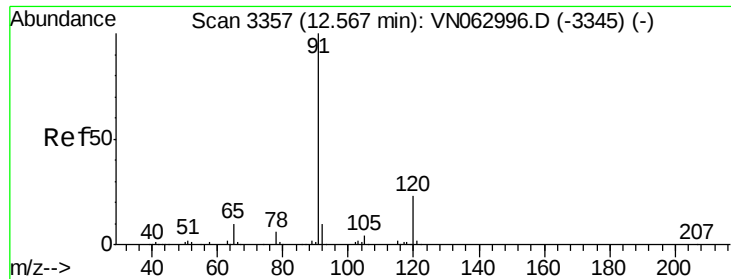
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.7	86.3
150	156.7	0.0	348.8





#78

n-propylbenzene

Concen: 0.658 ug/l

RT: 12.57 min Scan# 3358

Delta R.T. 0.00 min

Lab File: VN063120.D

Acq: 25 Aug 2020 18:39

Instrument :

MSVOA_N

ClientSampled :

COMP-1

Tot Ion: 91 Resp: 6763

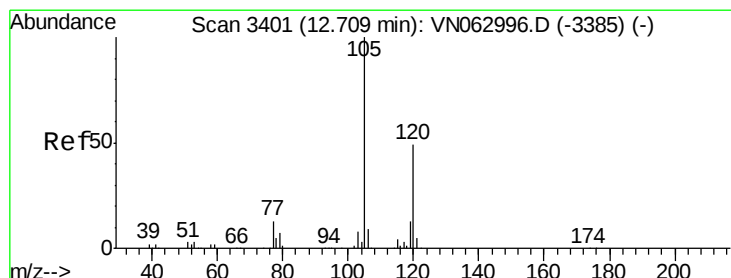
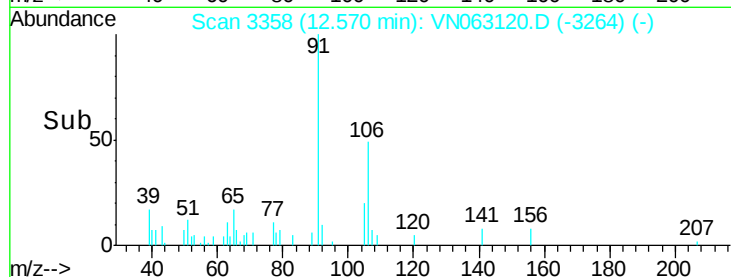
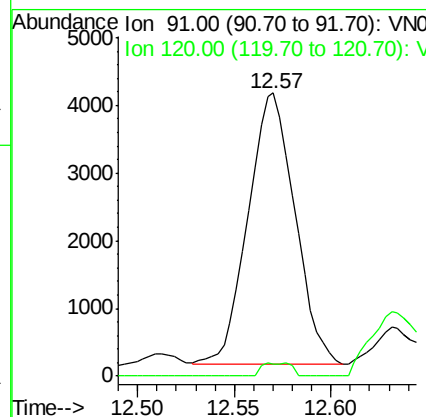
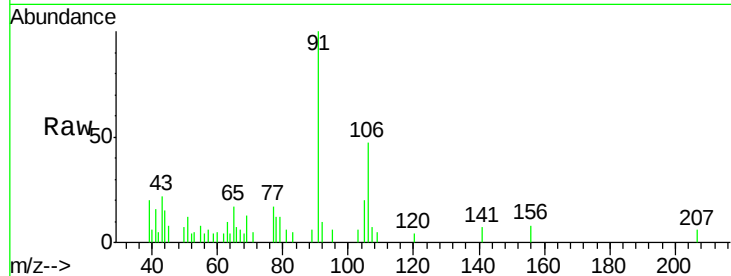
Ion Ratio Lower Upper

91 100

120 3.1 11.4 34.1#

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 0.702 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063120.D

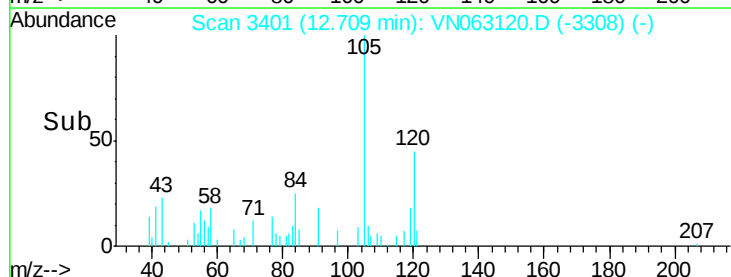
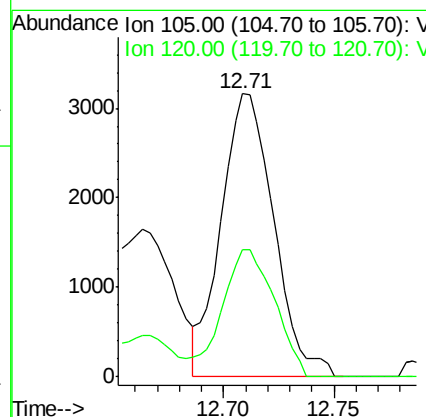
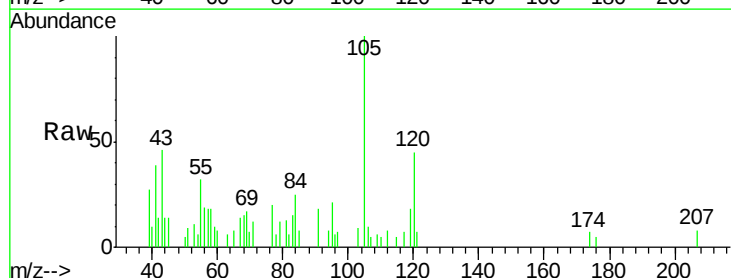
Acq: 25 Aug 2020 18:39

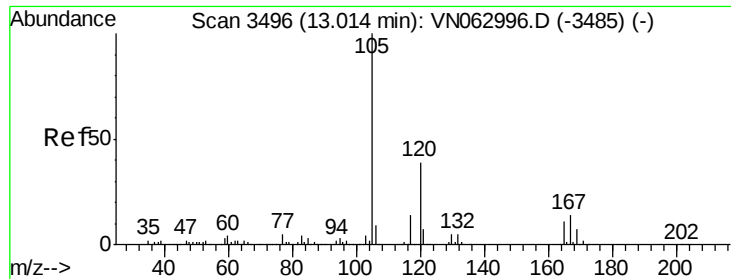
Tgt Ion: 105 Resp: 5230

Ion Ratio Lower Upper

105 100

120 45.1 24.3 72.8





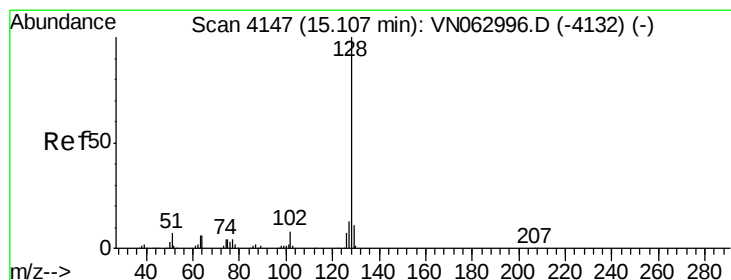
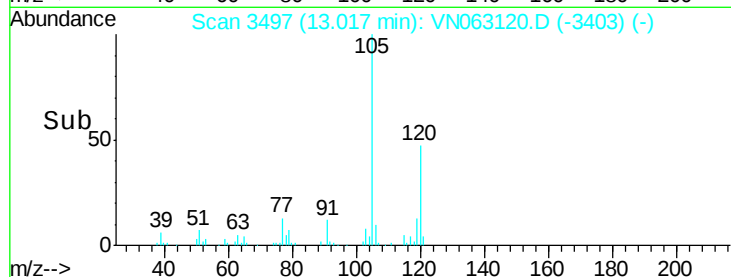
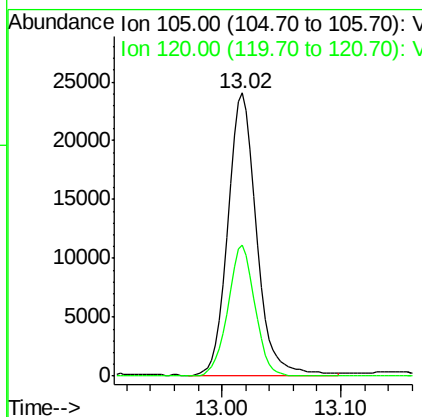
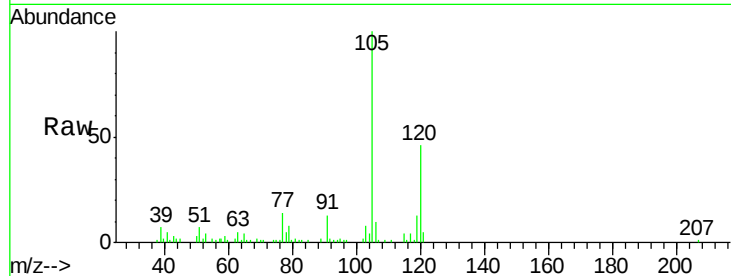
#84
1,2,4-Trimethylbenzene
Concen: 5.573 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.5	67.5

Manual Integrations
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#95
Naphthalene
Concen: 79.690 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063120.D
Acq: 25 Aug 2020 18:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.9	8.9	13.3

