

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064229.D
 Acq On : 21 Oct 2020 18:20
 Operator : JC/MD
 Sample : L4434-03 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40978-A

Manual Integrations
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MMDadoda
 10/23/2020 2:10:21 PM

Quant Time: Oct 22 02:26:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	237089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	417137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	419987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	184636	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	7.55	113	135464	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	10.06	98	524660	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.38	95	241016	59.10	ug/l	0.00
Spiked Amount			Recovery	=	118.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	9808m	20.810	ug/l	
16) Acetone	3.77	43	193819	192.390	ug/l	99
25) 2-Butanone	6.79	43	47996	29.987	ug/l #	90
40) Benzene	8.00	78	17660	1.538	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	149790	39.829	ug/l	100
52) Toluene	10.13	92	14398	1.960	ug/l	95
67) Ethyl Benzene	11.49	91	5880	0.368	ug/l	94
68) m/p-Xylenes	11.59	106	8927	1.508	ug/l	93
69) o-Xylene	11.92	106	6816	1.191	ug/l	86
84) 1,2,4-Trimethylbenzene	13.04	105	6082m	0.485	ug/l	
95) Naphthalene	15.11	128	11538	1.118	ug/l	97

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

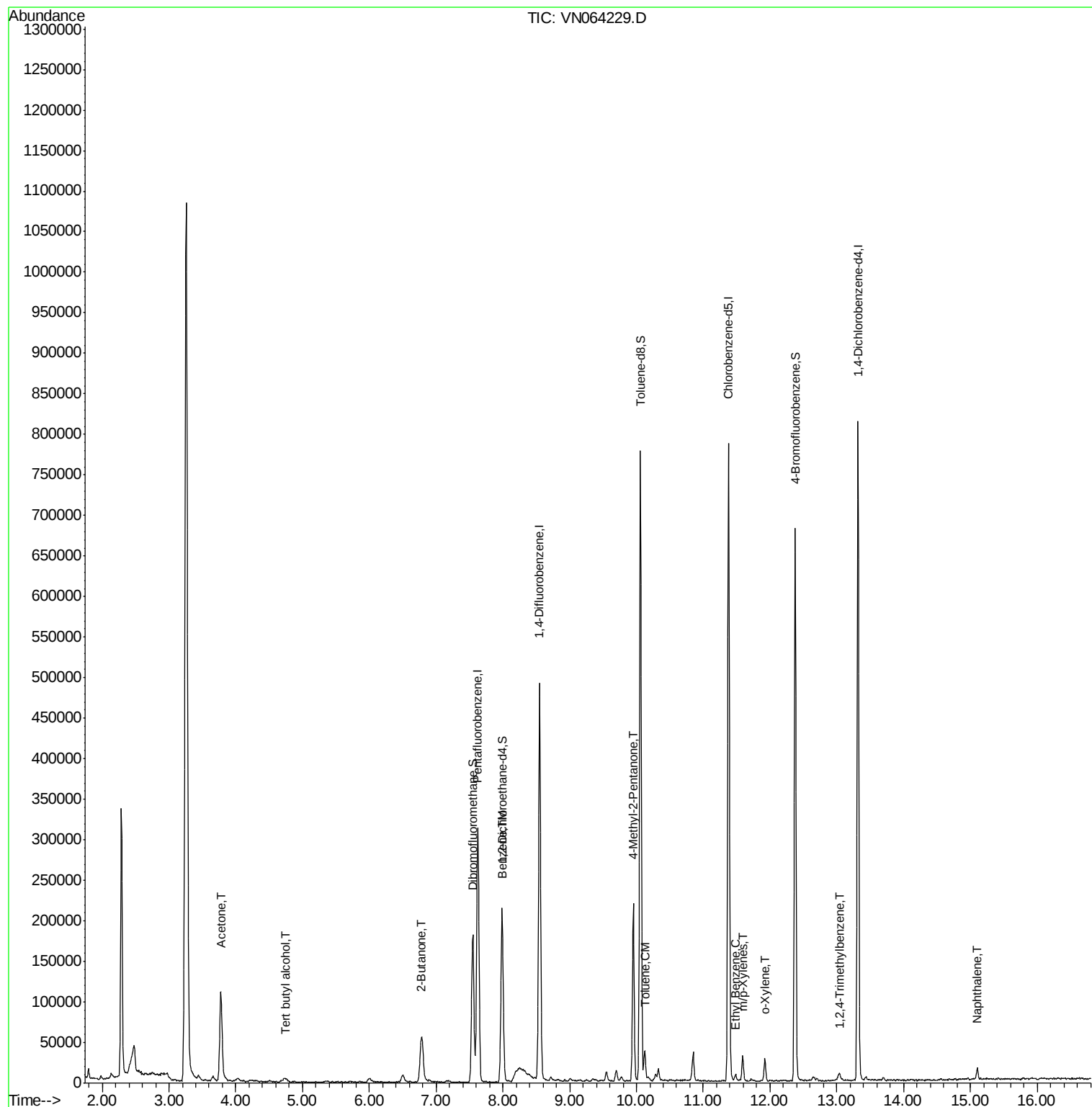
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064229.D
Acq On : 21 Oct 2020 18:20
Operator : JC/MD
Sample : L4434-03 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

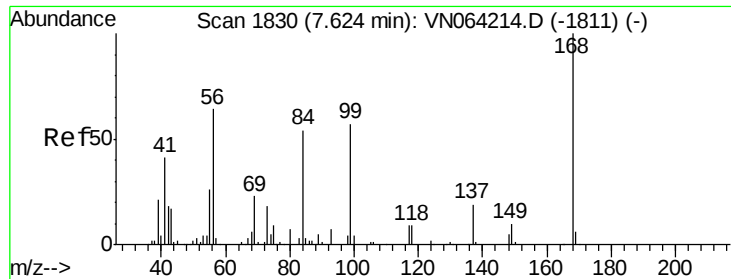
Instrument :
MSVOA_N
ClientSampleId :
40978-A

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Quant Time: Oct 22 02:26:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 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: VN064229.D

Acq: 21 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

40978-A

Tot Ion:168 Resp: 237089

Ion Ratio Lower Upper

168 100

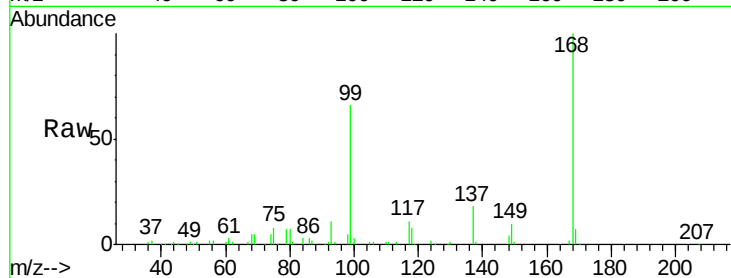
99 66.4 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

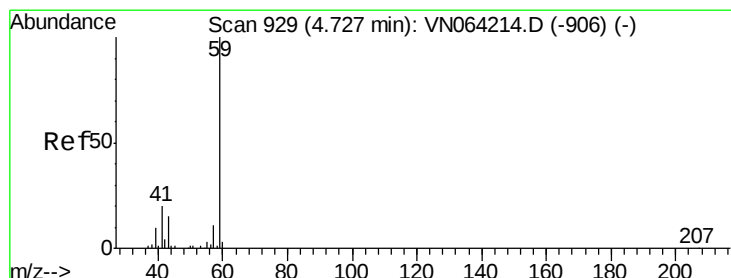
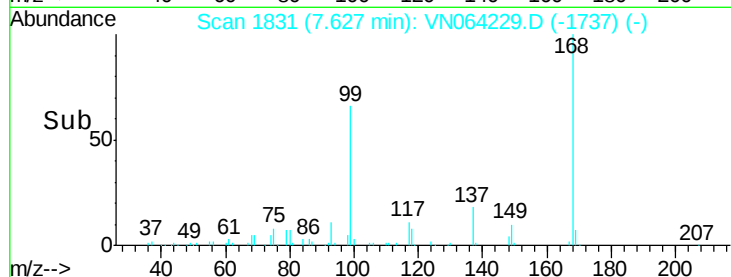
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 20.810 ug/l m

RT: 4.74 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN064229.D

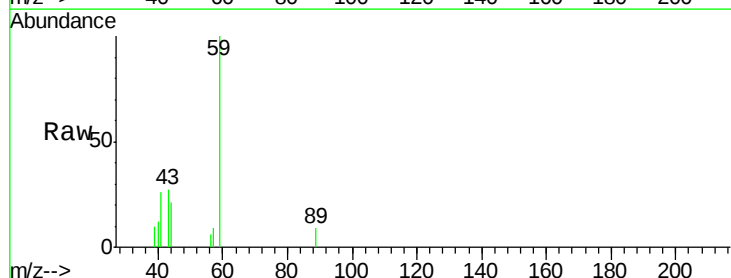
Acq: 21 Oct 2020 18:20

Tgt Ion: 59 Resp: 9808

Ion Ratio Lower Upper

59 100

57 5.5 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

3000

2500

2000

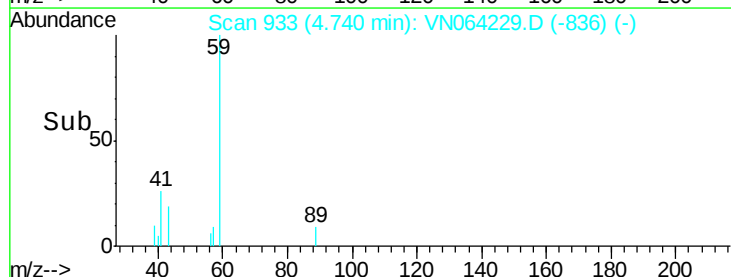
1500

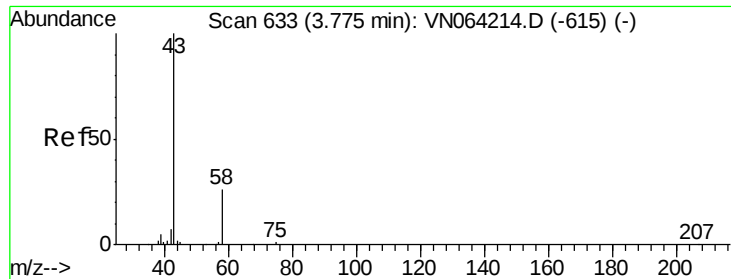
1000

500

0

Time--> 4.60 4.70 4.80





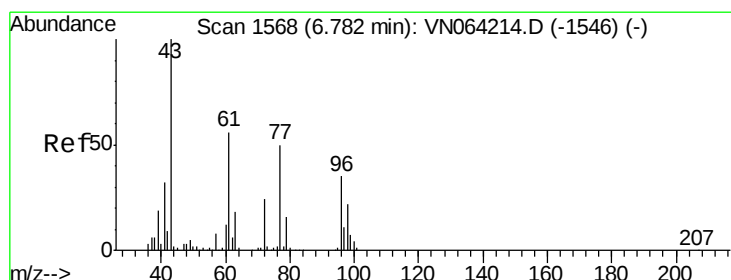
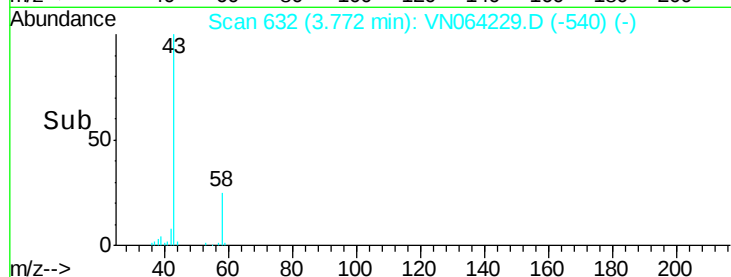
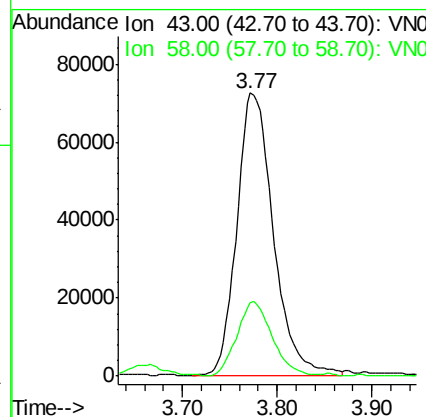
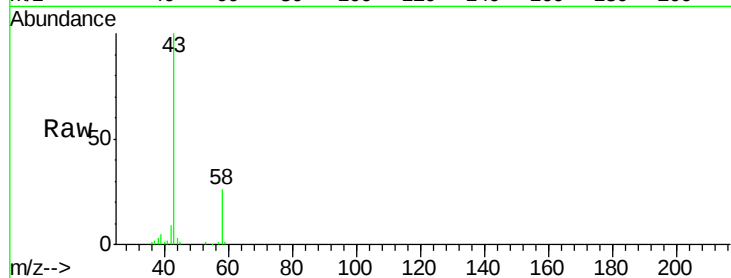
#16
Acetone
Concen: 192.390 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
40978-A

Tot Ion	Ratio	Lower	Upper
43	100		
58	25.5	21.0	31.4

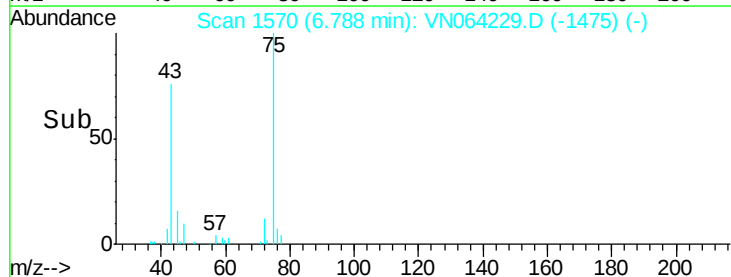
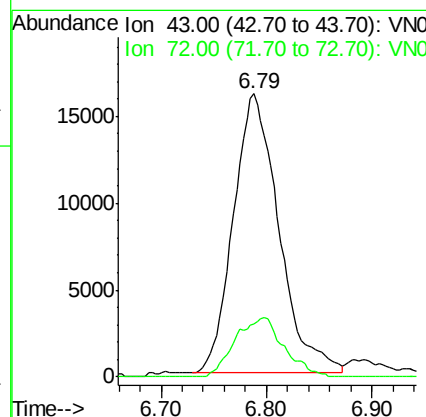
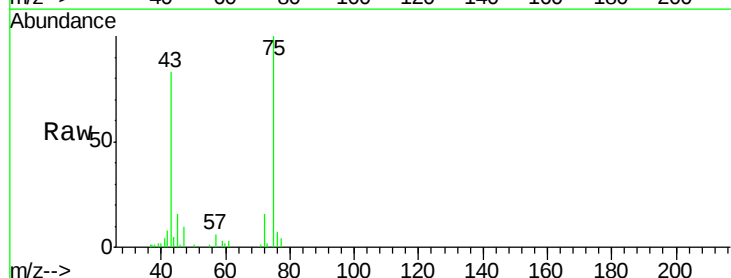
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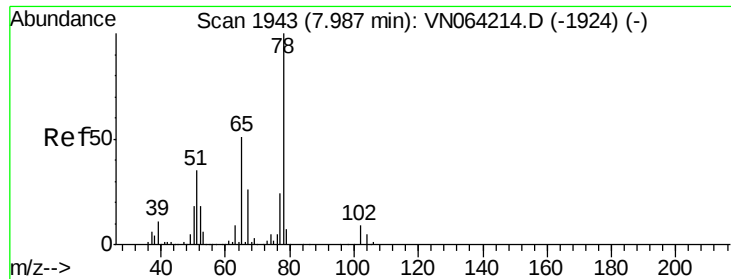
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#25
2-Butanone
Concen: 29.987 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.2	19.4	29.0#





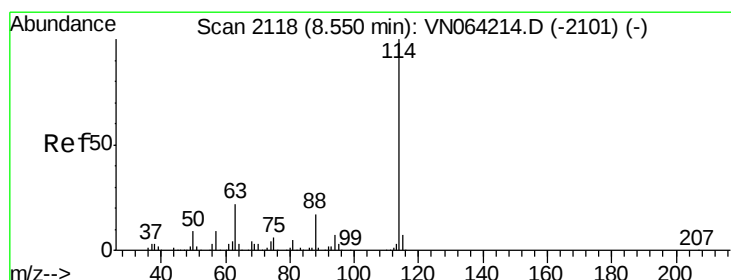
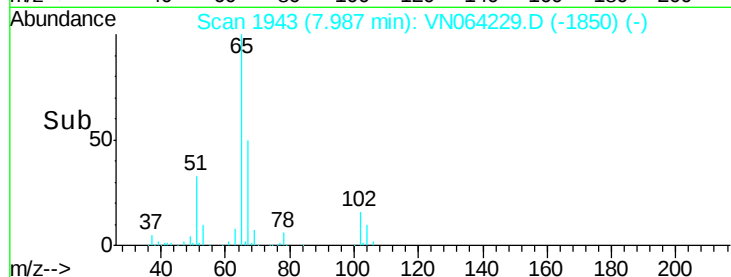
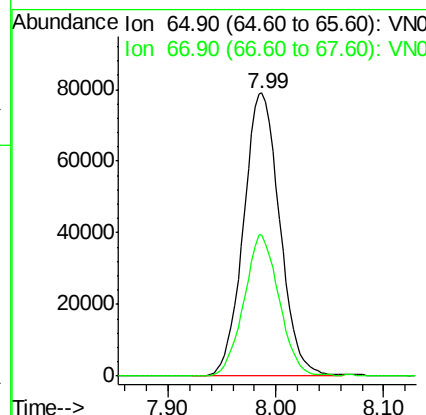
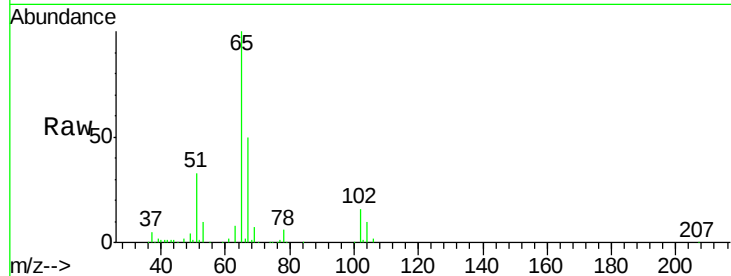
#33
 1,2-Dichloroethane-d4
 Concen: 52.440 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064229.D
 Acq: 21 Oct 2020 18:20

Instrument :
 MSVOA_N
 ClientSampled :
 40978-A

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184636		
67	48.4	0.0	100.2	

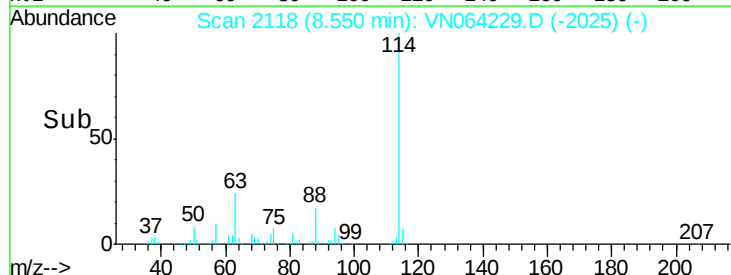
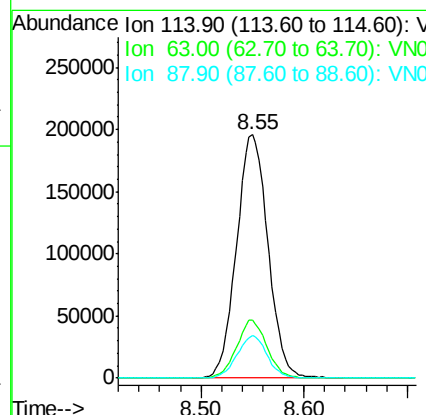
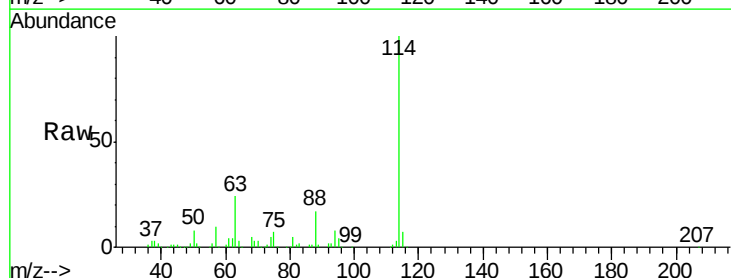
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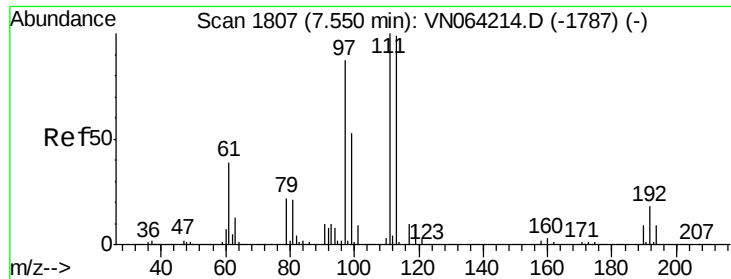
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064229.D
 Acq: 21 Oct 2020 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417137		
63	23.8	0.0	44.0	
88	17.3	0.0	34.2	





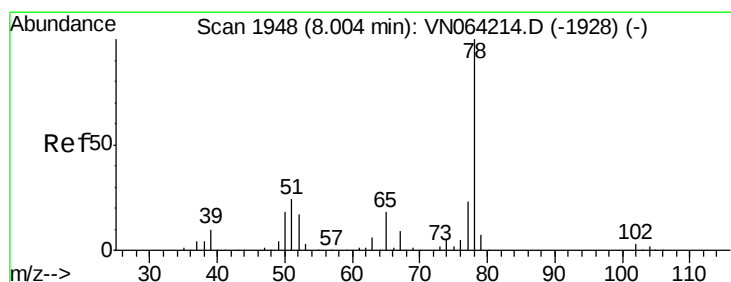
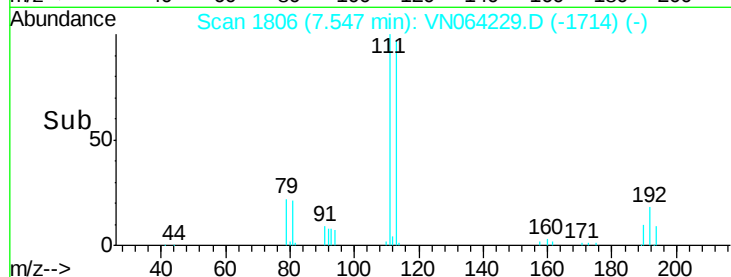
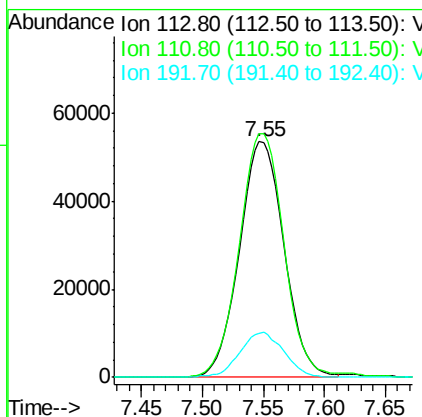
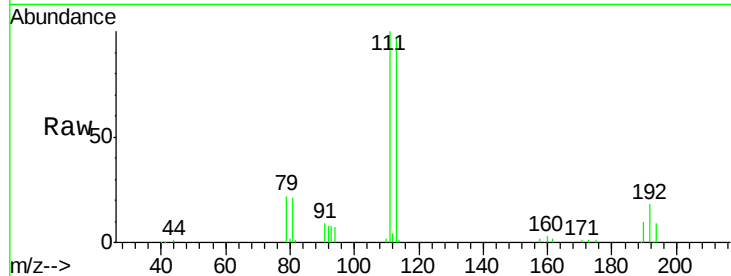
#35
Dibromofluoromethane
Concen: 48.845 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
40978-A

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	84.2	126.2
192	18.9	15.2	22.8

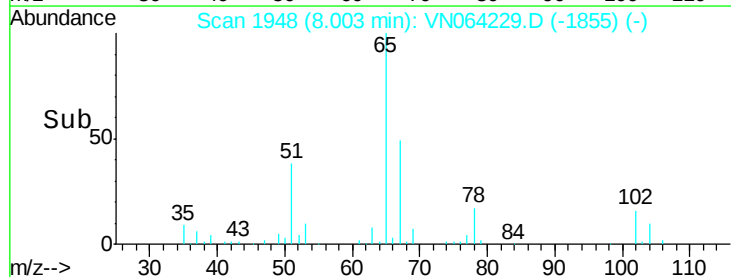
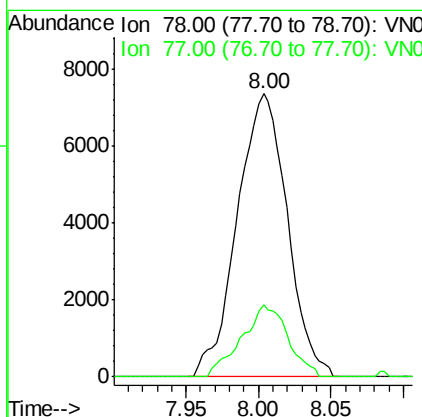
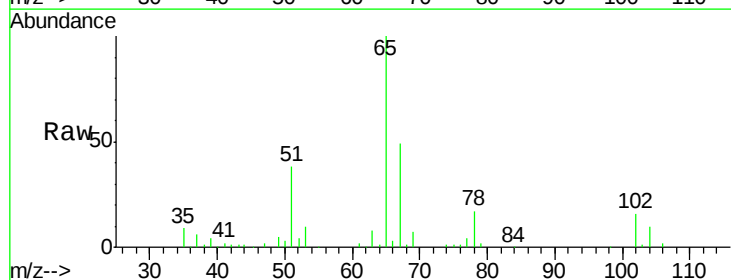
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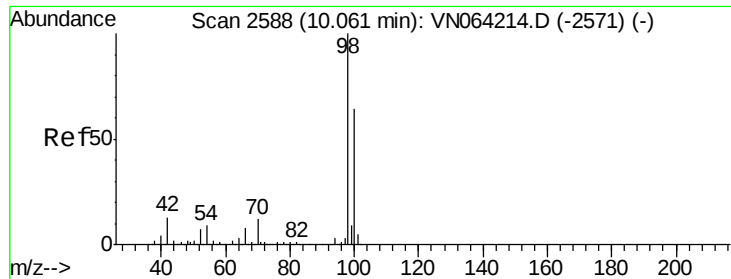
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#40
Benzene
Concen: 1.538 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.3	27.5





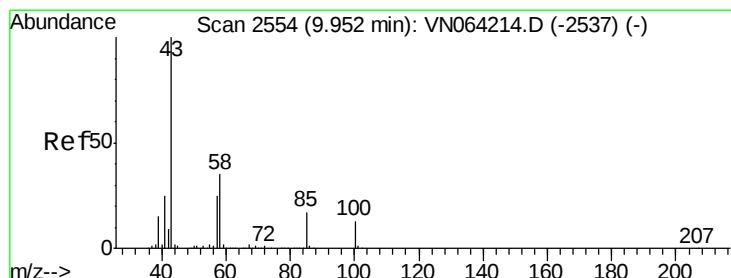
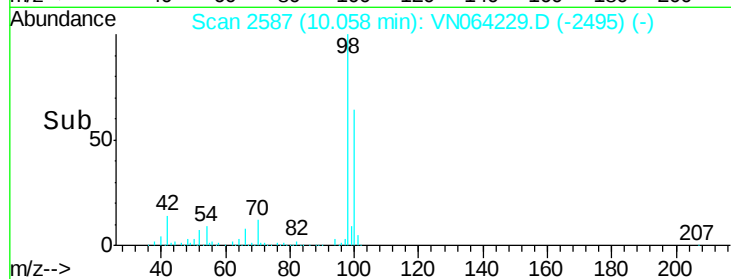
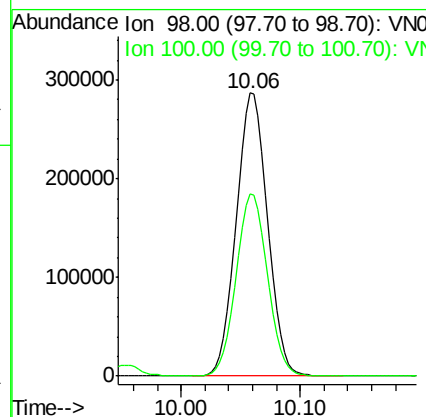
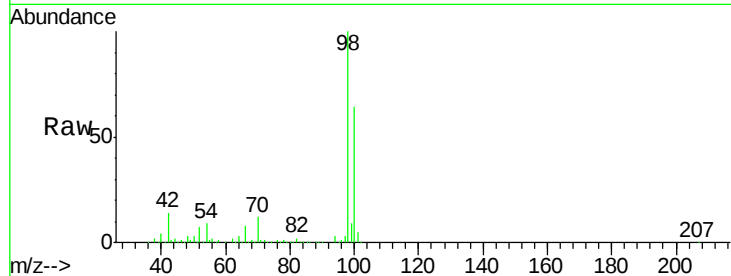
#50
Toluene-d8
Concen: 52.152 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
40978-A

Tot Ion: 98 Resp: 524660
Ion Ratio Lower Upper
98 100
100 64.5 50.8 76.2

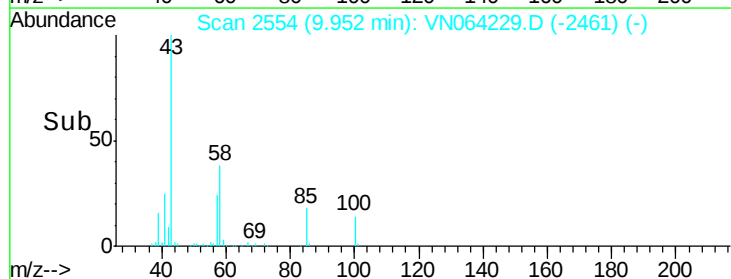
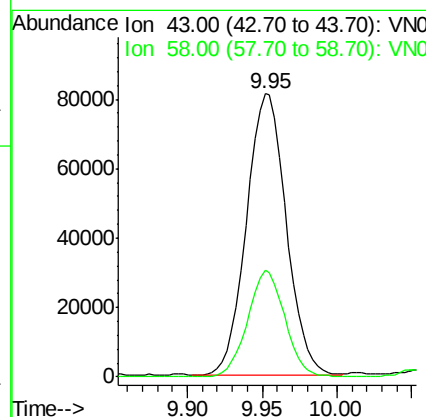
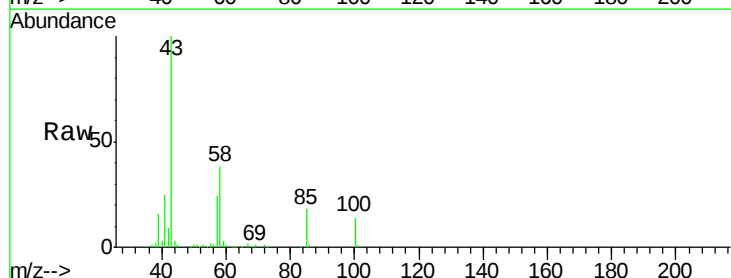
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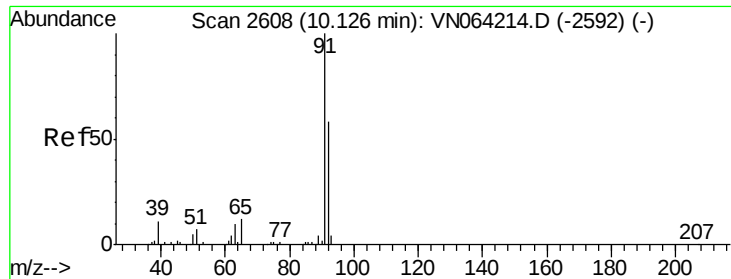
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#51
4-Methyl-2-Pentanone
Concen: 39.829 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Tgt Ion: 43 Resp: 149790
Ion Ratio Lower Upper
43 100
58 35.6 28.6 42.8





#52

Toluene

Concen: 1.960 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064229.D

Acq: 21 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

40978-A

Tot Ion: 92 Resp: 14398

Ion Ratio Lower Upper

92 100

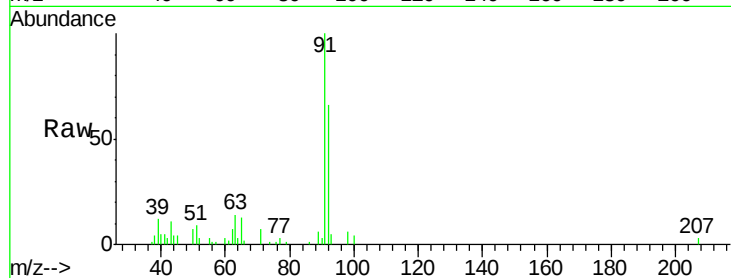
91 165.3 137.4 206.2

Manual Integrations

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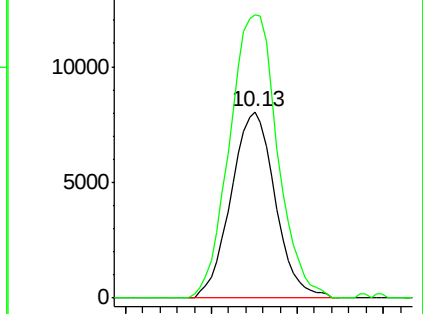
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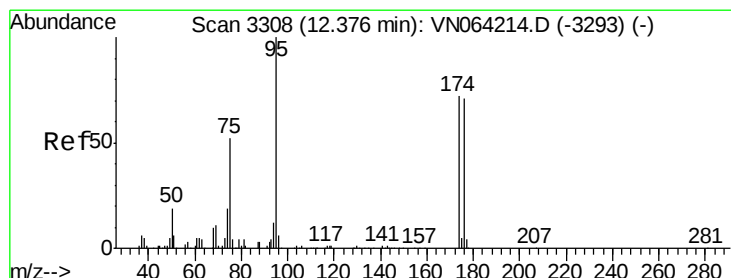
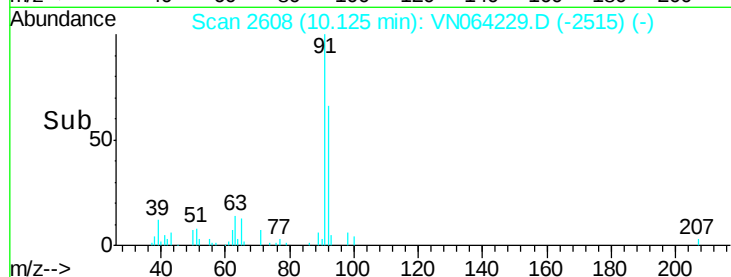


Abundance Ion 92.00 (91.70 to 92.70): VN064229.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064229.D (-2515) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 59.097 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064229.D

Acq: 21 Oct 2020 18:20

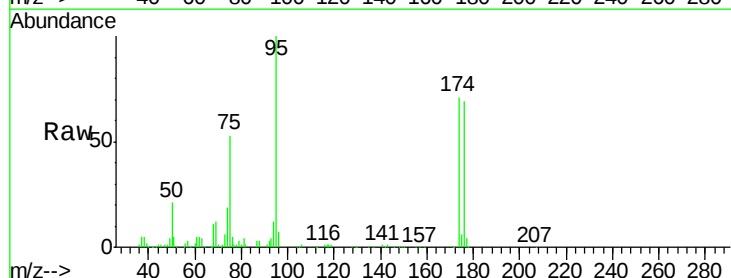
Tgt Ion: 95 Resp: 241016

Ion Ratio Lower Upper

95 100

174 71.1 0.0 144.4

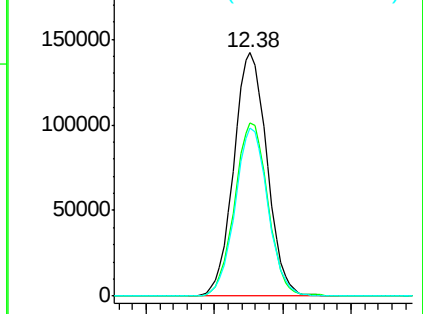
176 68.1 0.0 139.2



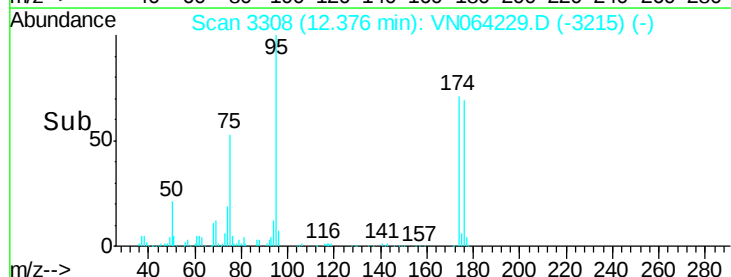
Abundance Ion 94.90 (94.60 to 95.60): VN064229.D (-3215) (-)

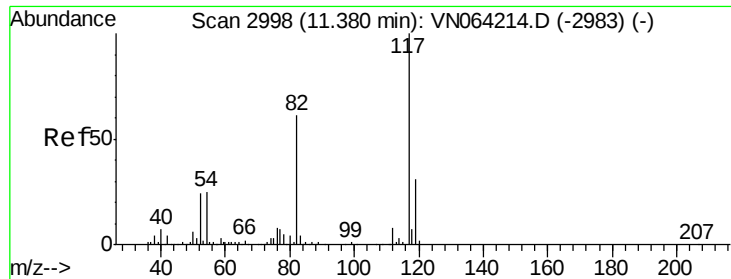
Ion 173.80 (173.50 to 174.50): VN064229.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN064229.D (-3215) (-)



Time-->





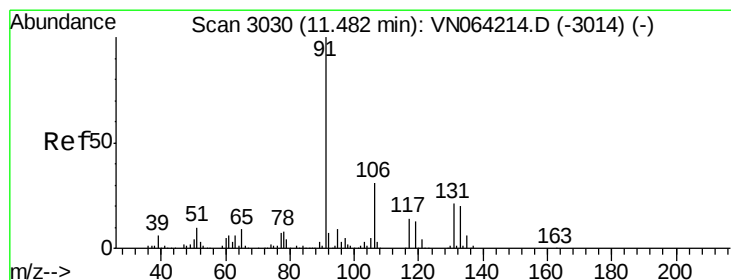
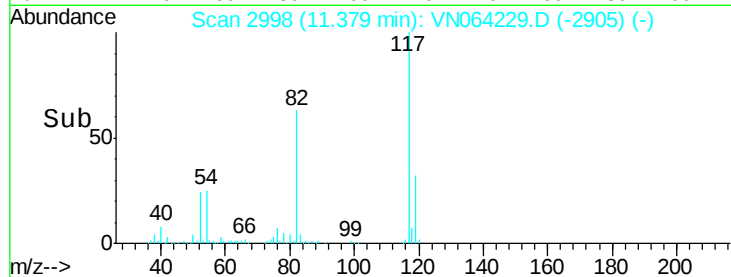
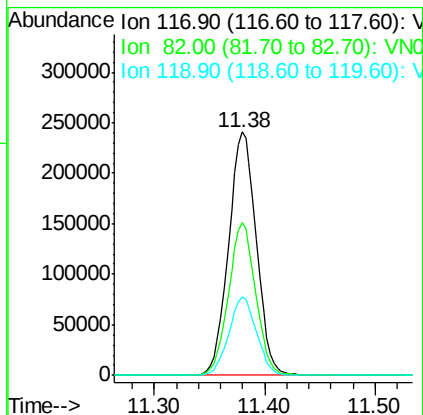
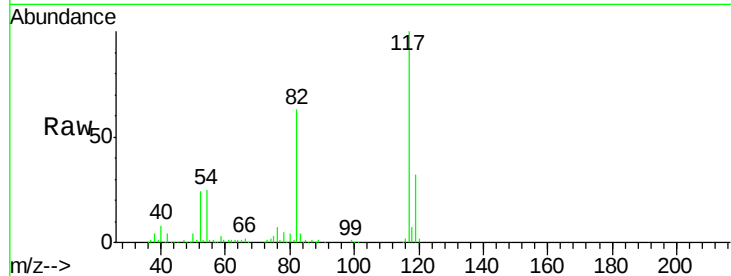
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
40978-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	48.8	73.2
119	32.1	24.7	37.1

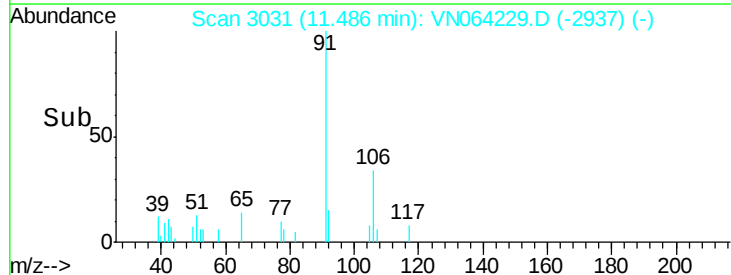
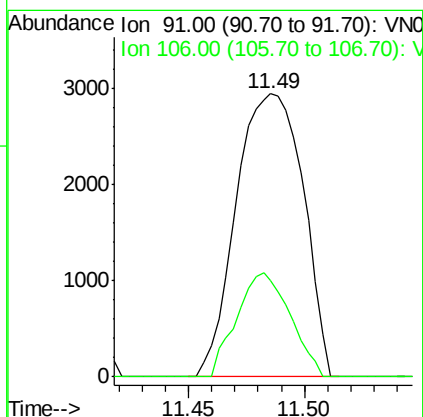
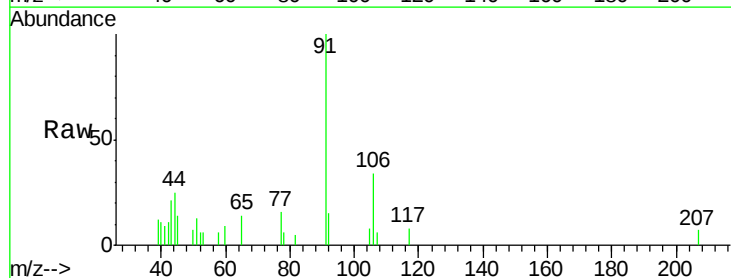
Manual Integrations
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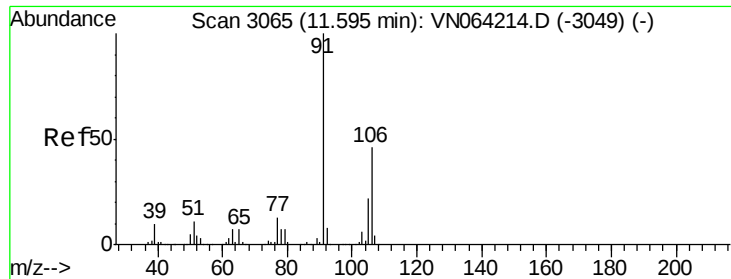
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#67
Ethyl Benzene
Concen: 0.368 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.2	24.8	37.2





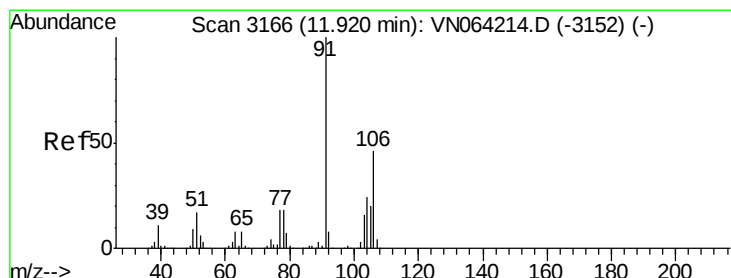
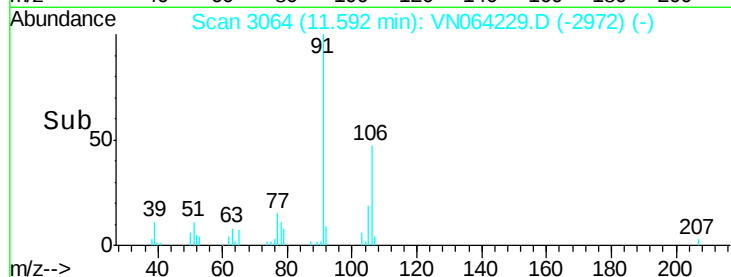
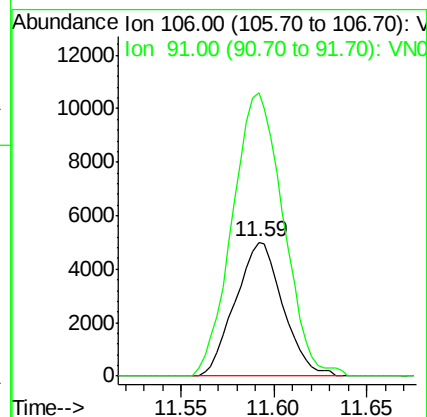
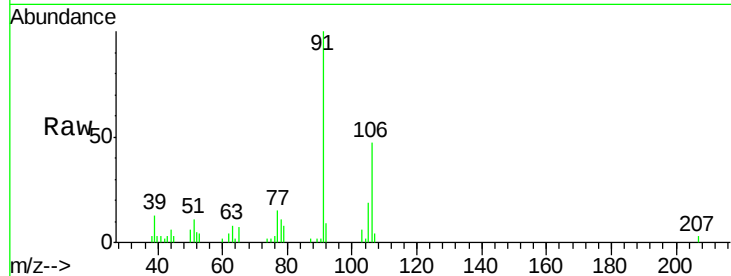
#68
m/p-Xylenes
Concen: 1.508 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
40978-A

Tot Ion:106 Resp: 8927
Ion Ratio Lower Upper
106 100
91 226.5 172.2 258.2

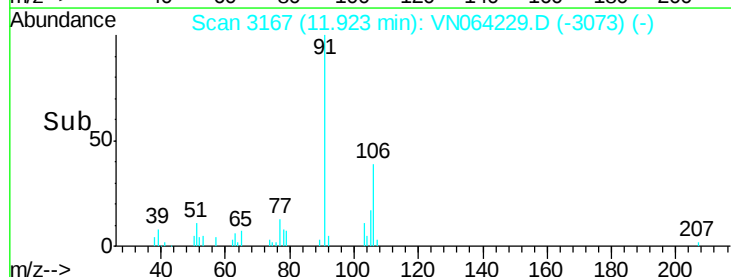
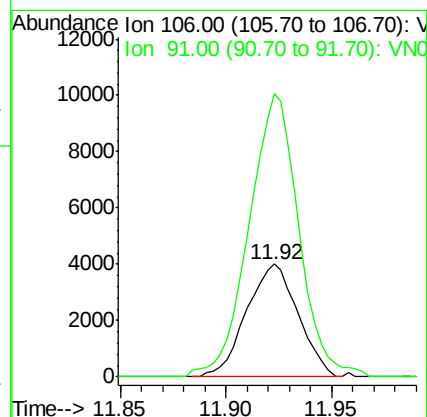
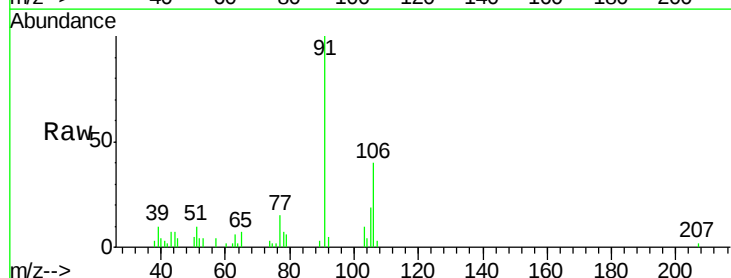
Manual Integrations
APPROVED

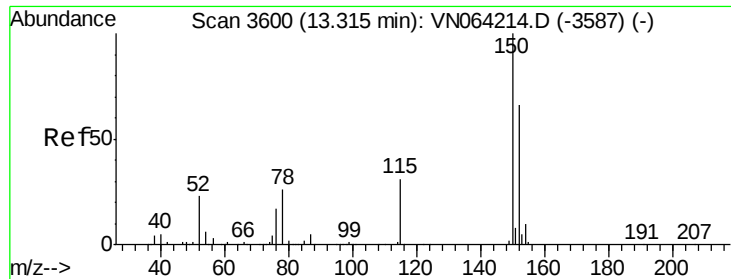
MMDadoda
10/23/2020 2:10:21 PM



#69
o-Xylene
Concen: 1.191 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Tgt Ion:106 Resp: 6816
Ion Ratio Lower Upper
106 100
91 242.5 109.9 329.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064229.D

Acq: 21 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

40978-A

Tot Ion:152 Resp: 195555

Ion Ratio Lower Upper

152 100

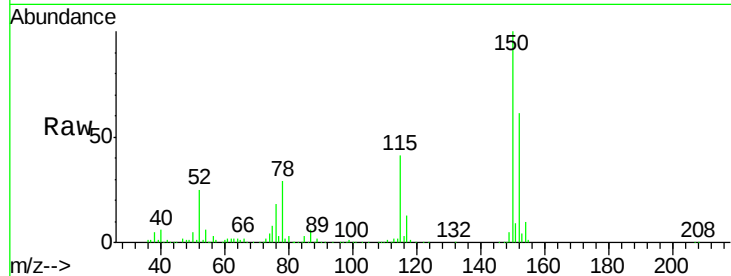
115 66.8 32.0 96.2

150 163.0 0.0 356.6

Manual Integrations
APPROVED

MMDadoda

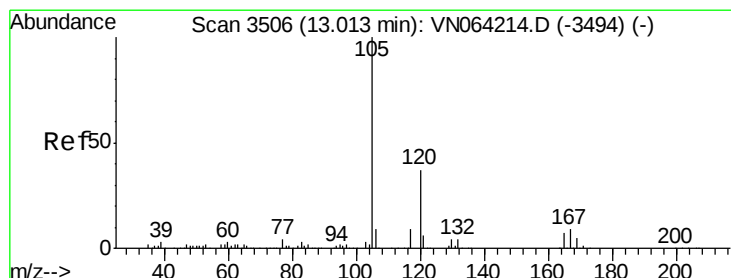
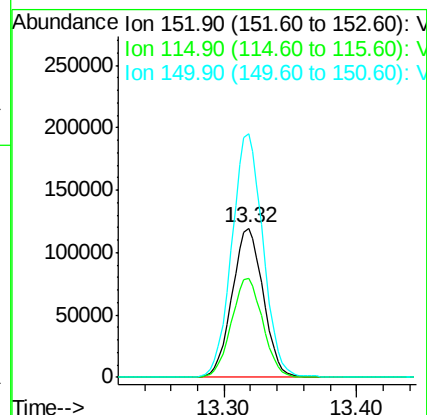
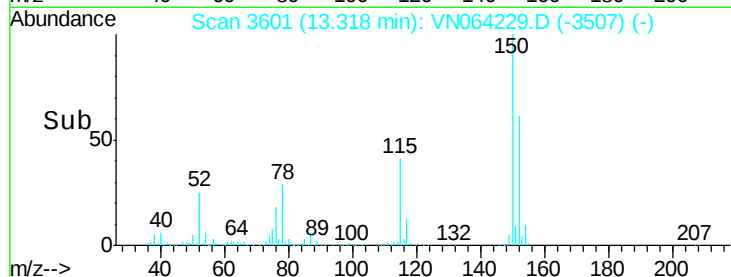
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.485 ug/l m

RT: 13.04 min Scan# 3514

Delta R.T. 0.03 min

Lab File: VN064229.D

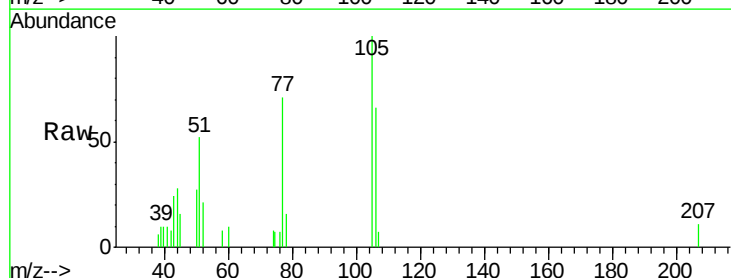
Acq: 21 Oct 2020 18:20

Tgt Ion:105 Resp: 6082

Ion Ratio Lower Upper

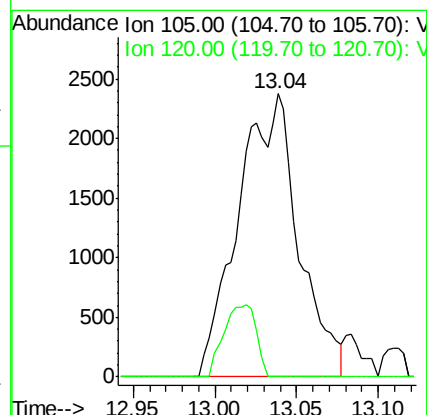
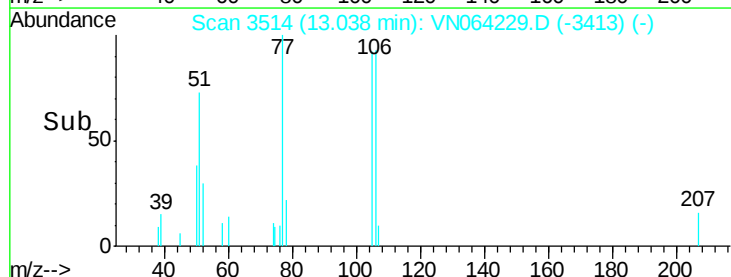
105 100

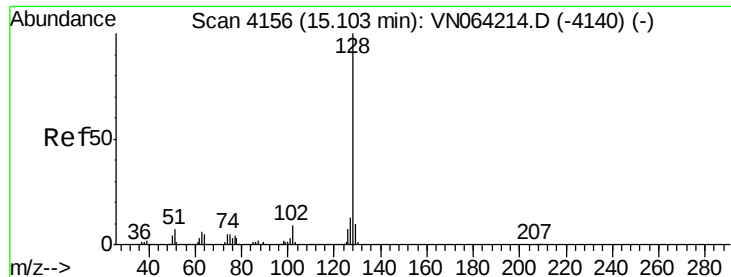
120 13.7 21.5 64.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 1.118 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN064229.D
Acq: 21 Oct 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
40978-A

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.6	10.5	15.7
129	8.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:21 PM

