

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060559.D
 Acq On : 17 Mar 2020 16:11
 Operator : JC/MD
 Sample : L1946-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP

Quant Time: Mar 18 07:39:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	211550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	350180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	328929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	135333	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
35) Dibromofluoromethane	7.57	113	103751	63.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.66%	
50) Toluene-d8	10.08	98	435243	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.40	95	165292	53.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.00%	

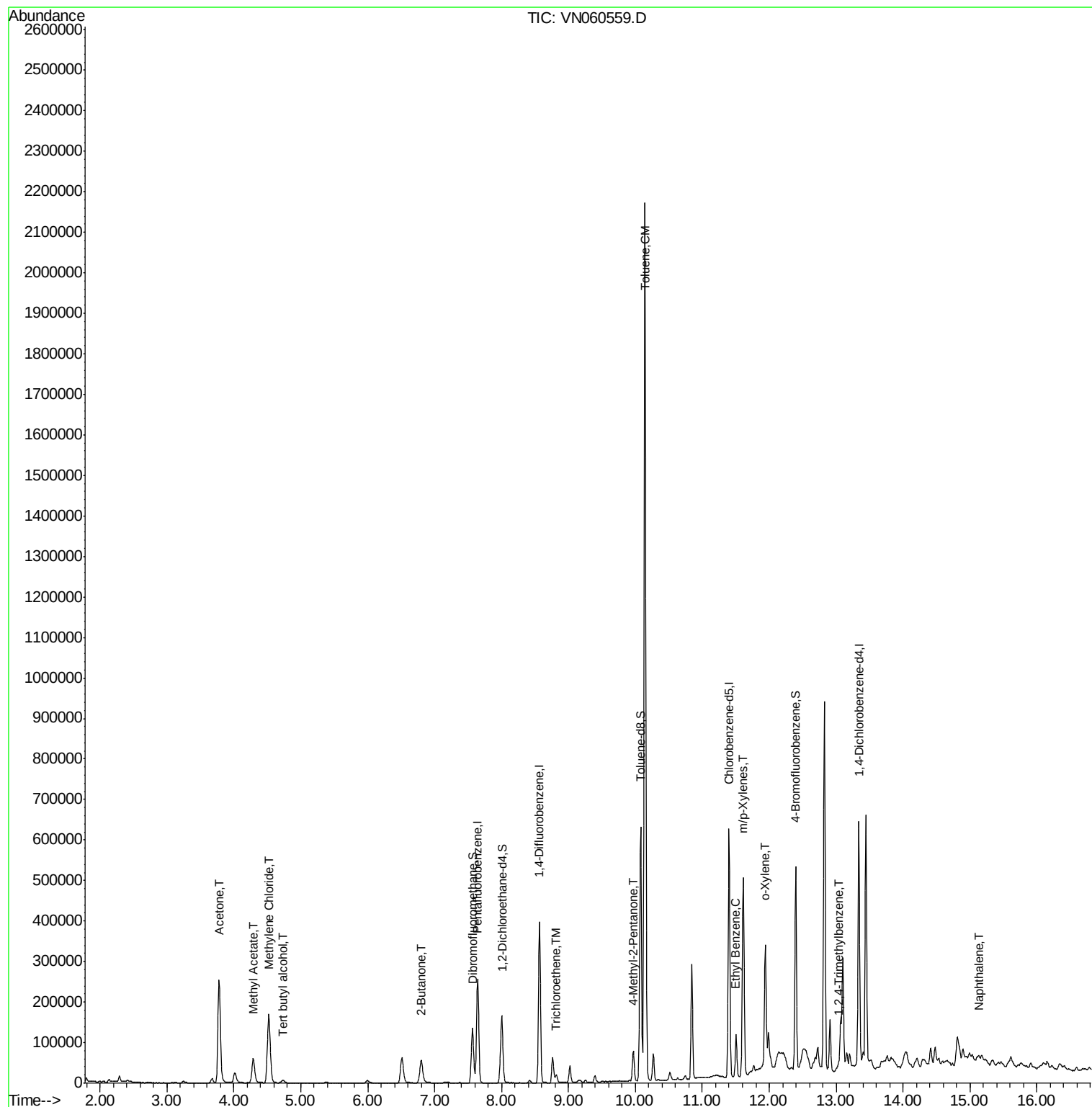
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	12663	31.420	ug/l #	83
16) Acetone	3.78	43	437266	498.876	ug/l	99
18) Methyl Acetate	4.29	43	117894	40.305	ug/l	97
20) Methylene Chloride	4.52	84	127276	52.874	ug/l	98
25) 2-Butanone	6.80	43	105181	74.293	ug/l	98
44) Trichloroethene	8.82	130	6042	2.233	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	52237	16.653	ug/l	99
52) Toluene	10.14	92	955439	156.583	ug/l	99
67) Ethyl Benzene	11.50	91	75930	6.278	ug/l	98
68) m/p-Xylenes	11.61	106	154066	33.760	ug/l	100
69) o-Xylene	11.94	106	69989	16.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10109	1.018	ug/l	98
95) Naphthalene	15.13	128	9752	0.771	ug/l #	93

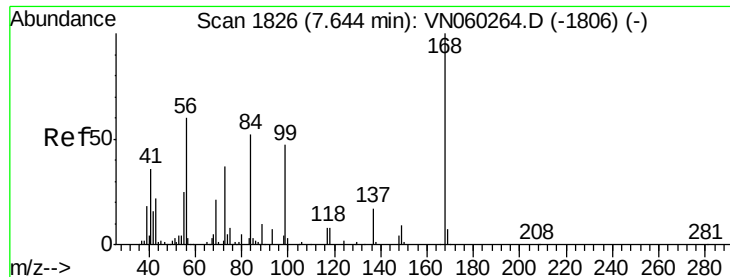
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060559.D

Acq: 17 Mar 2020 16:11

Instrument :

MSVOA_N

ClientSampleId :

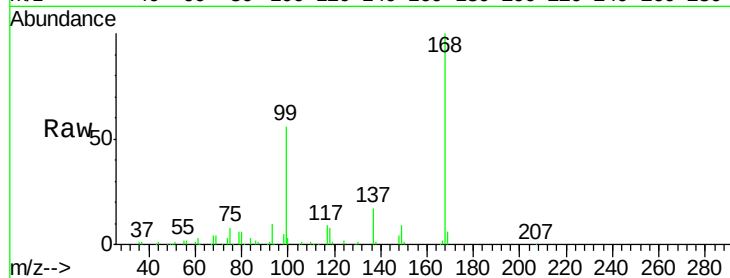
COMP

Tot Ion:168 Resp: 211550

Ion Ratio Lower Upper

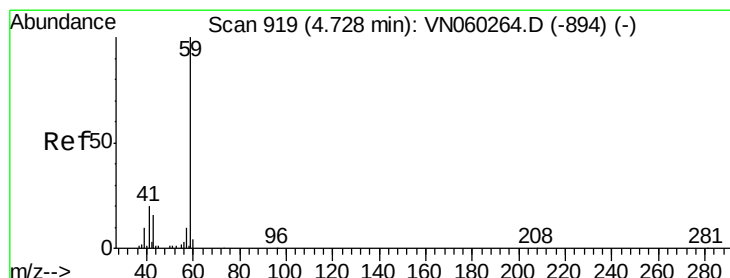
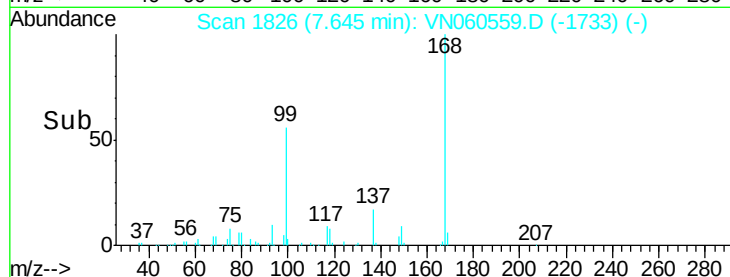
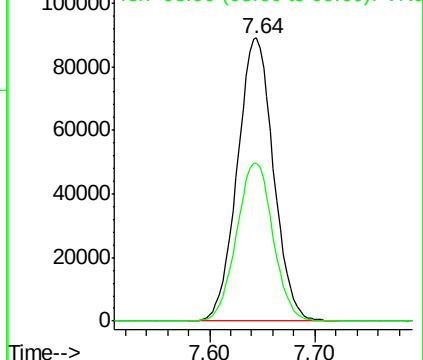
168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 31.420 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN060559.D

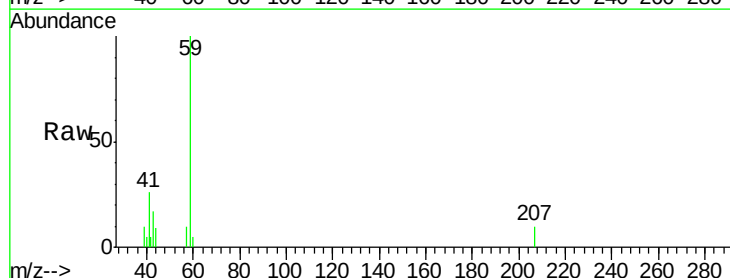
Acq: 17 Mar 2020 16:11

Tgt Ion: 59 Resp: 12663

Ion Ratio Lower Upper

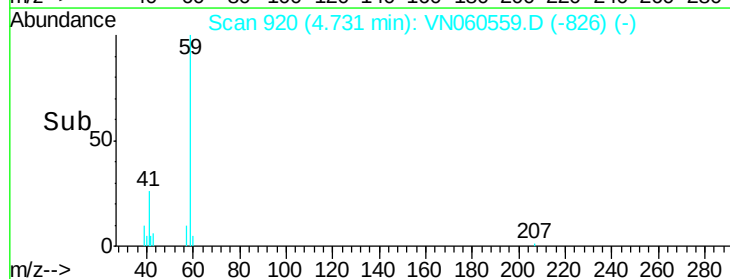
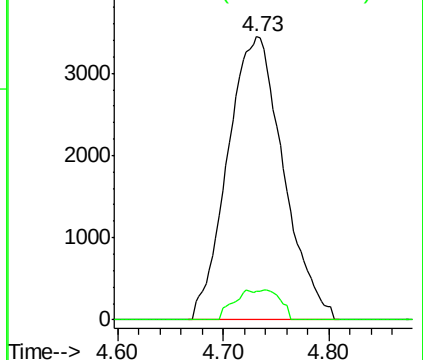
59 100

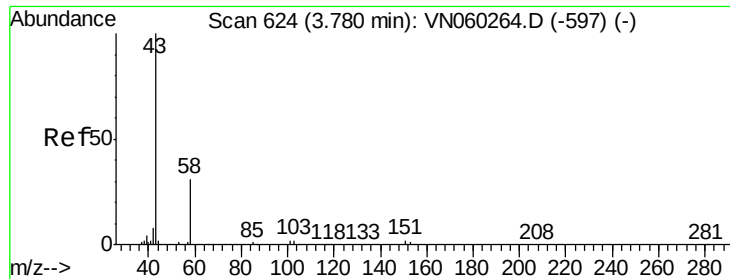
57 3.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

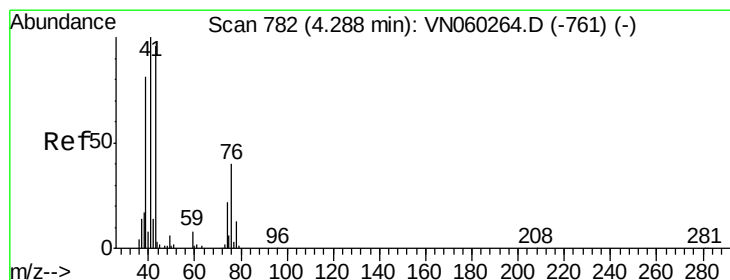
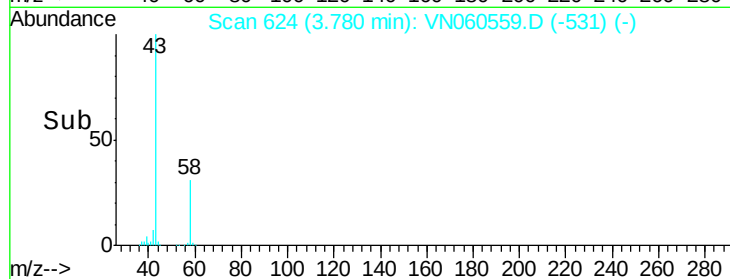
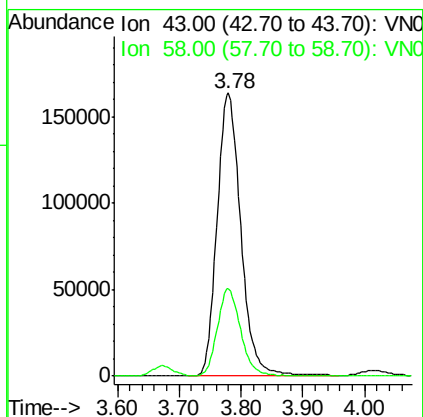
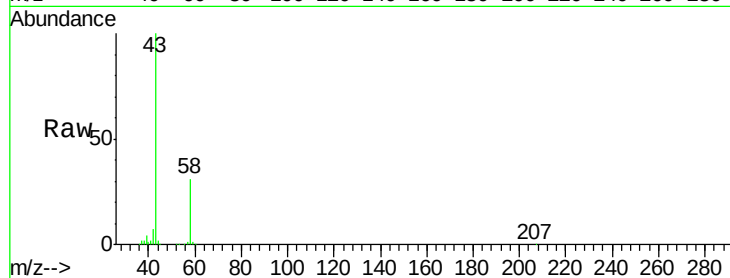




#16
Acetone
Concen: 498.876 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

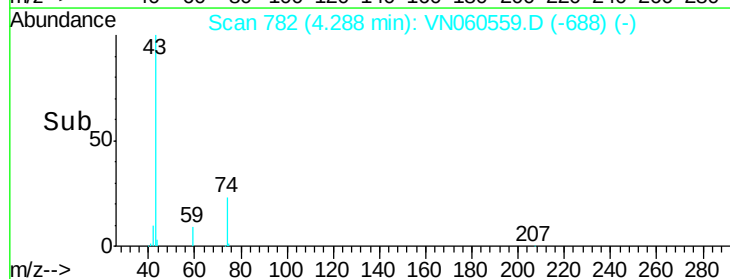
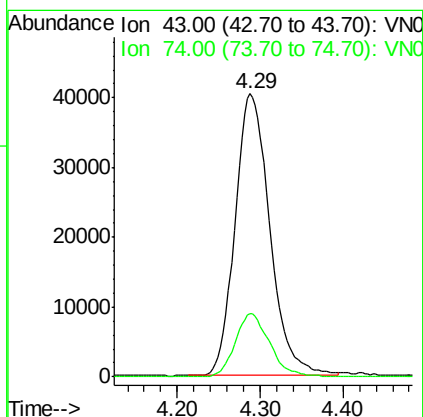
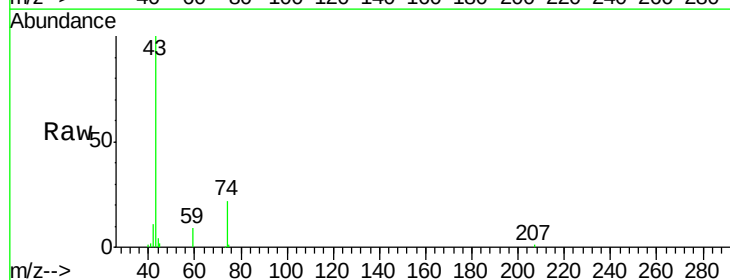
Instrument :
MSVOA_N
ClientSampleId :
COMP

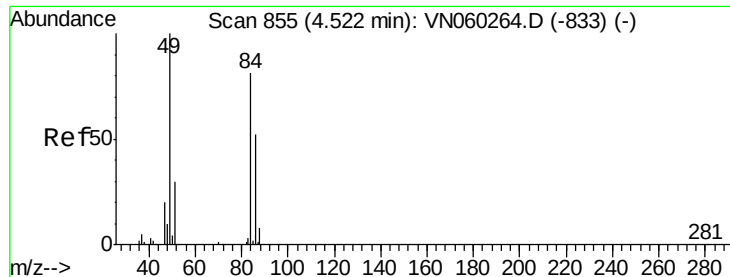
Tot Ion: 43 Resp: 437266
Ion Ratio Lower Upper
43 100
58 31.0 24.6 36.8



#18
Methyl Acetate
Concen: 40.305 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

Tgt Ion: 43 Resp: 117894
Ion Ratio Lower Upper
43 100
74 22.2 18.8 28.2

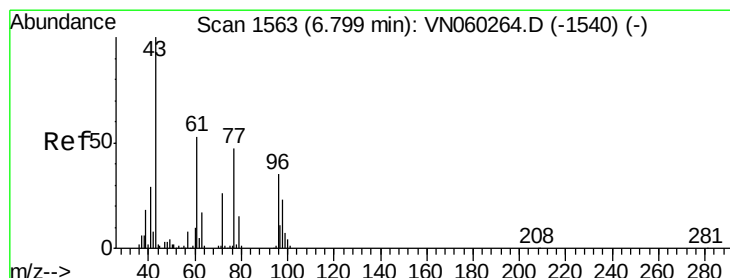
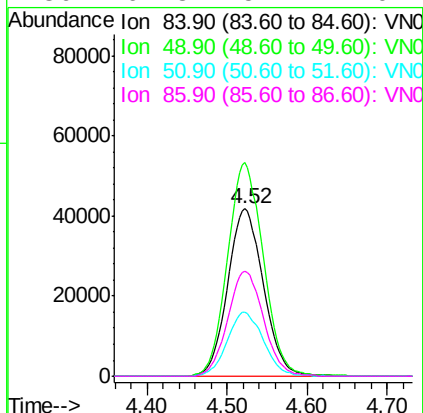
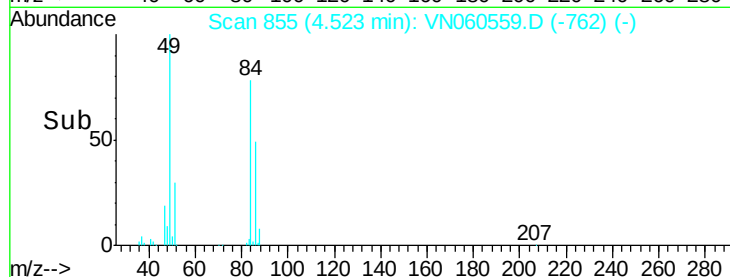
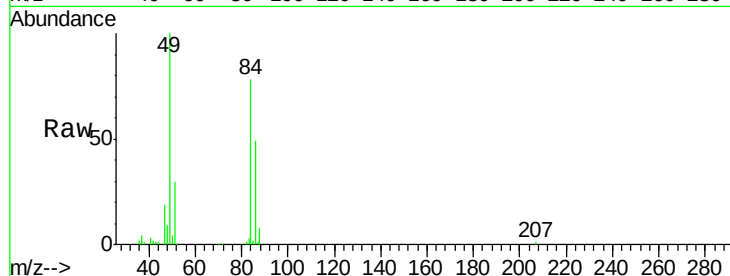




#20
Methylene Chloride
Concen: 52.874 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

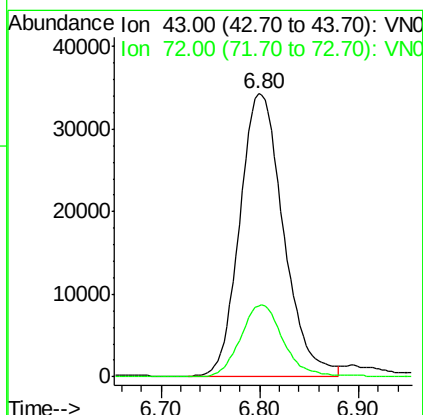
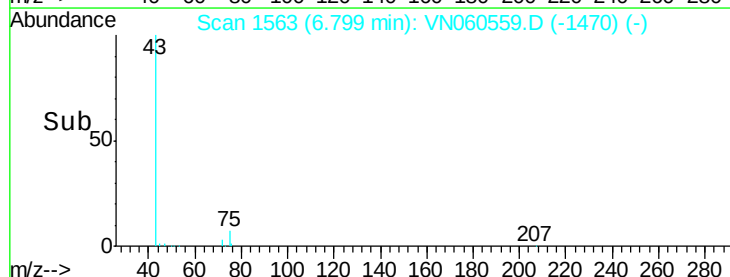
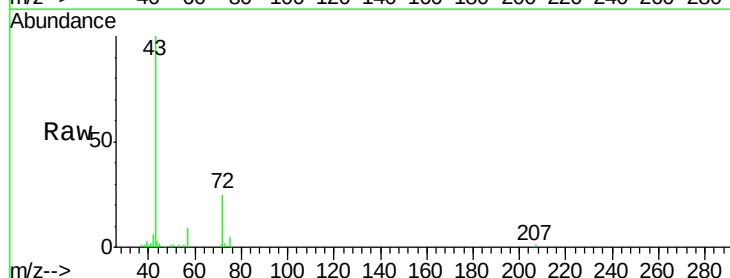
Instrument :
MSVOA_N
ClientSampled :
COMP

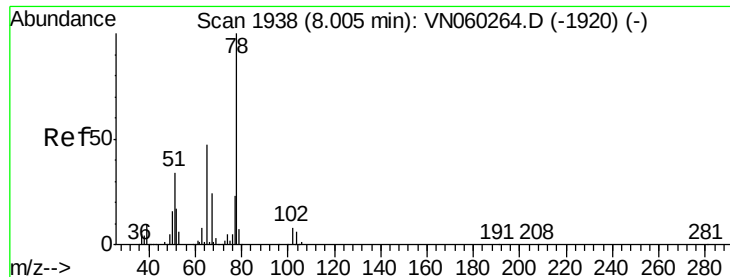
Tot Ion:	84	Resp:	127276
Ion	Ratio	Lower	Upper
84	100		
49	127.7	99.3	148.9
51	38.6	30.1	45.1
86	62.8	51.1	76.7



#25
2-Butanone
Concen: 74.293 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

Tgt Ion:	43	Resp:	105181
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.9	31.3

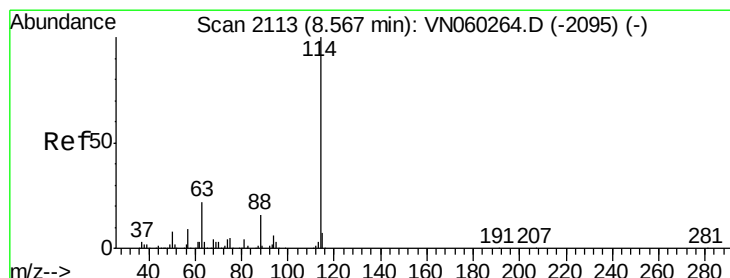
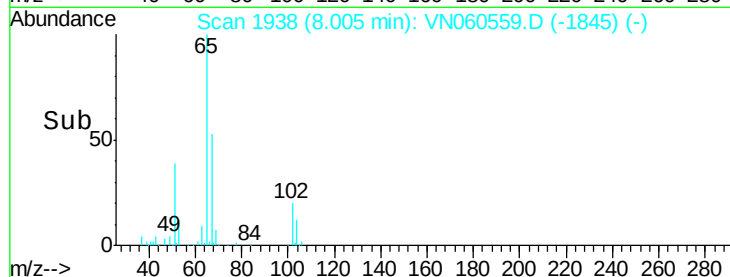
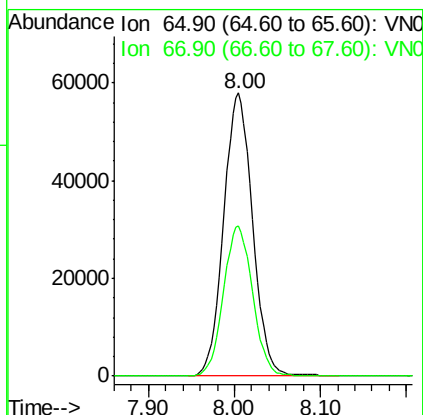
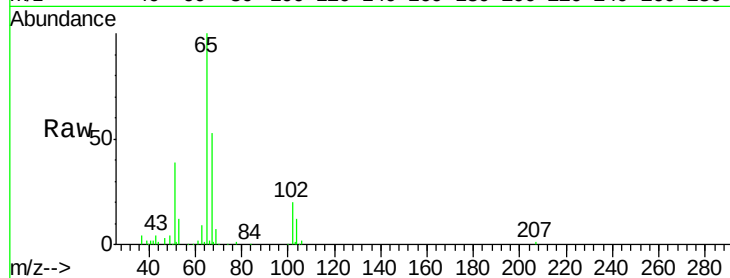




#33
 1,2-Dichloroethane-d4
 Concen: 49.861 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060559.D
 Acq: 17 Mar 2020 16:11

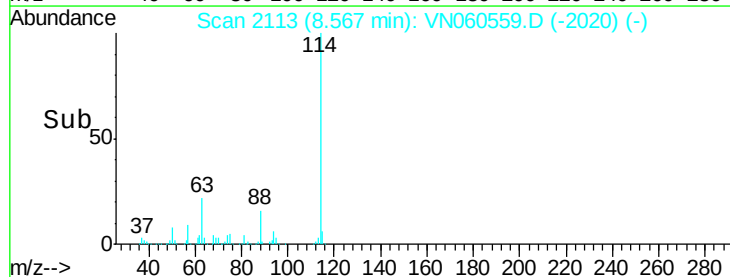
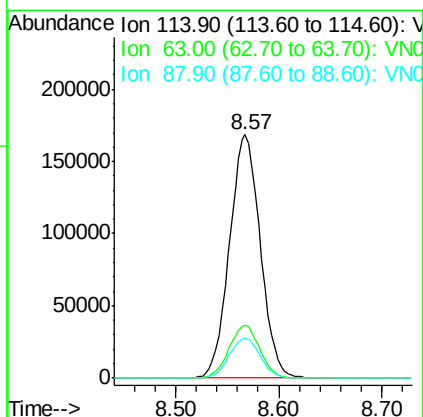
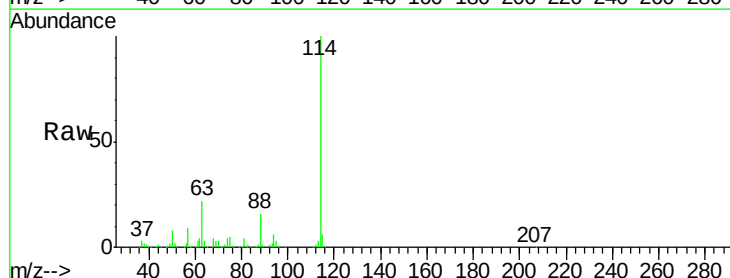
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP

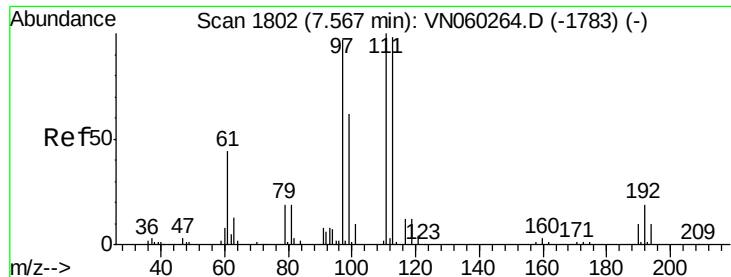
Tot Ion: 65 Resp: 135333
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060559.D
 Acq: 17 Mar 2020 16:11

Tgt Ion: 114 Resp: 350180
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.4 0.0 31.6

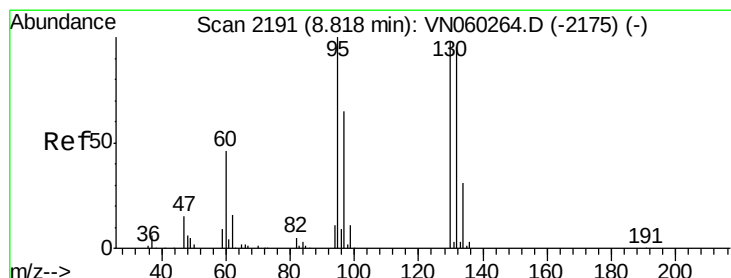
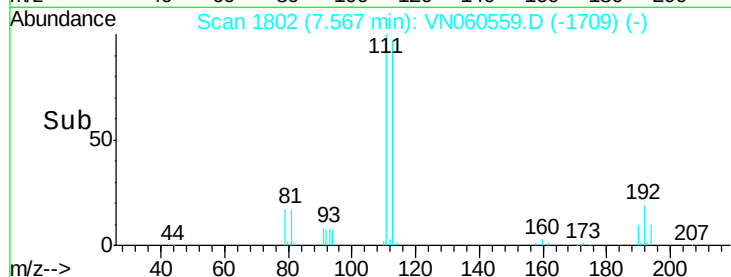
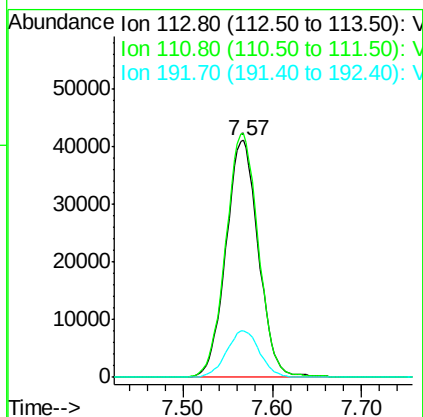
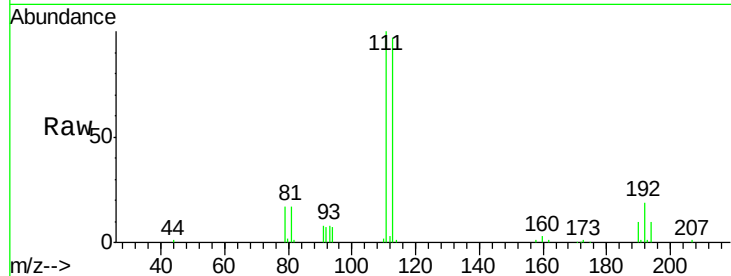




#35
Dibromofluoromethane
Concen: 63.830 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

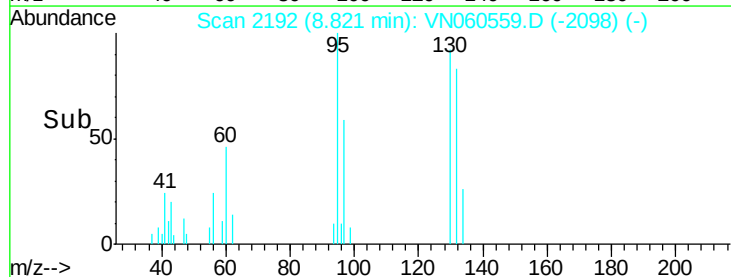
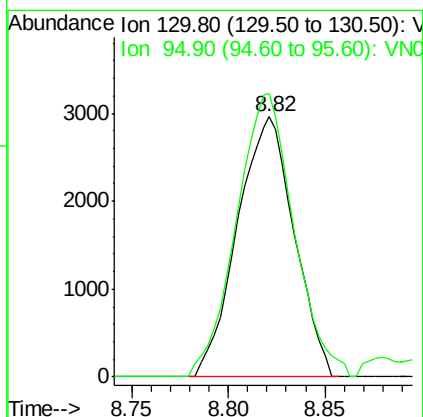
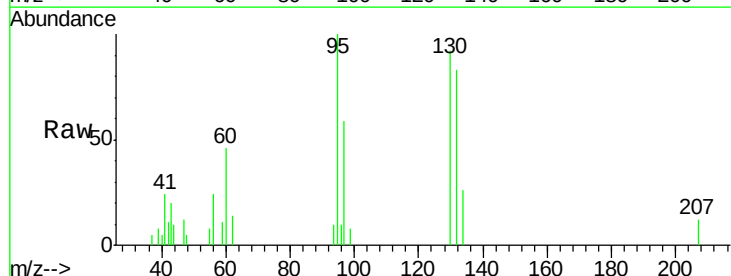
Instrument :
MSVOA_N
ClientSampled :
COMP

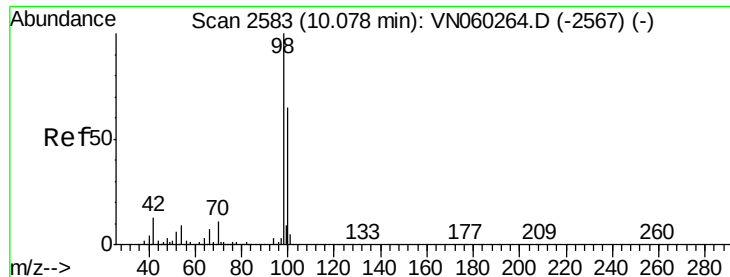
Tot Ion:113 Resp: 103751
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 20.0 16.2 24.2



#44
Trichloroethene
Concen: 2.233 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

Tgt Ion:130 Resp: 6042
Ion Ratio Lower Upper
130 100
95 109.0 0.0 203.4





#50

Toluene-d8

Concen: 52.908 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060559.D

Acq: 17 Mar 2020 16:11

Instrument :

MSVOA_N

ClientSampleId :

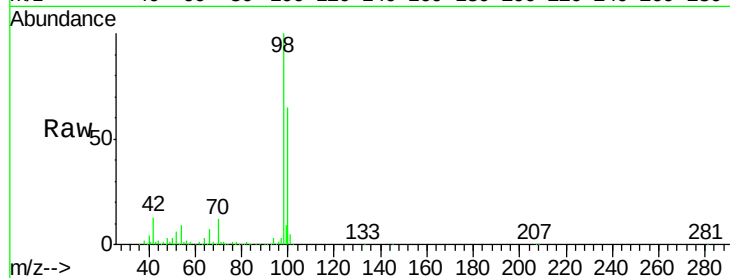
COMP

Tot Ion: 98 Resp: 435243

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060264.D (-2567) (-)

10.08

250000

200000

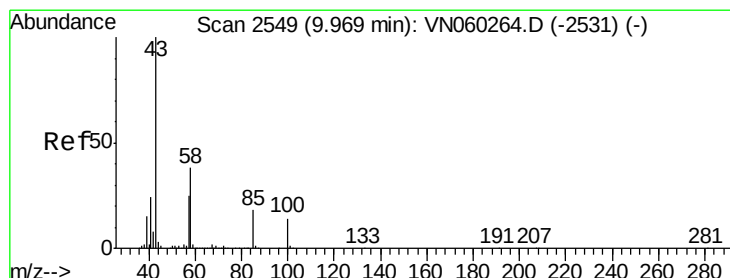
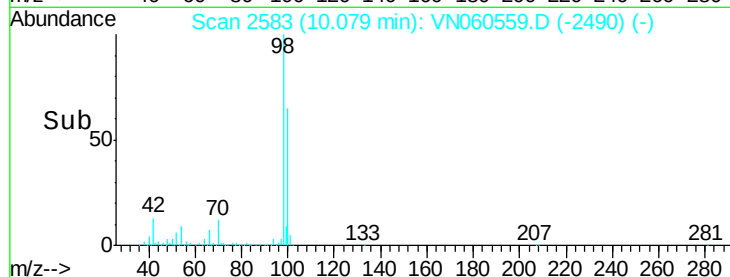
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 16.653 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060559.D

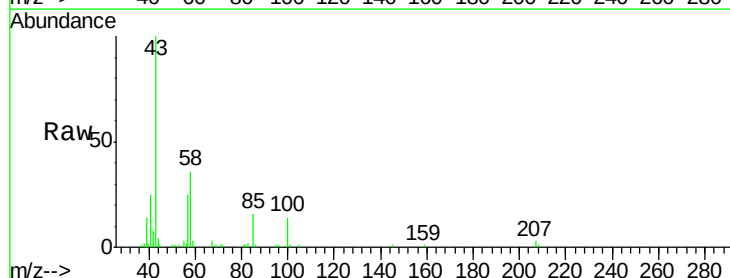
Acq: 17 Mar 2020 16:11

Tgt Ion: 43 Resp: 52237

Ion Ratio Lower Upper

43 100

58 37.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

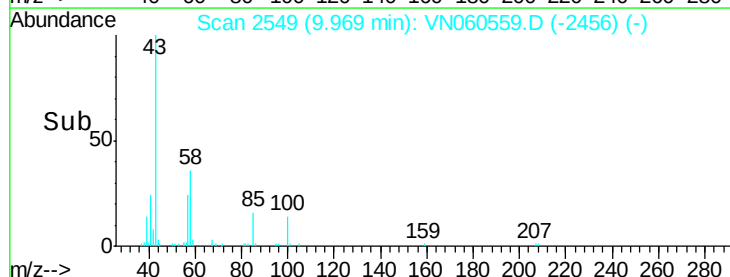
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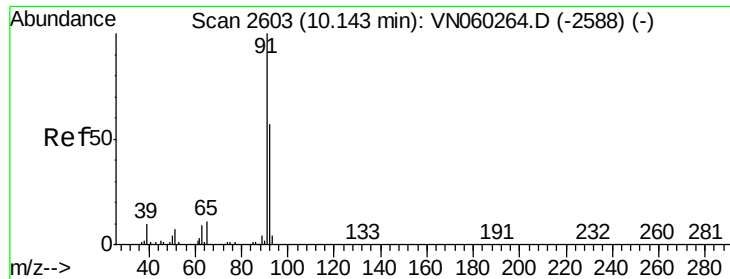
20000

10000

0

Time-->





#52

Toluene

Concen: 156.583 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060559.D

Acq: 17 Mar 2020 16:11

Instrument :

MSVOA_N

ClientSampled :

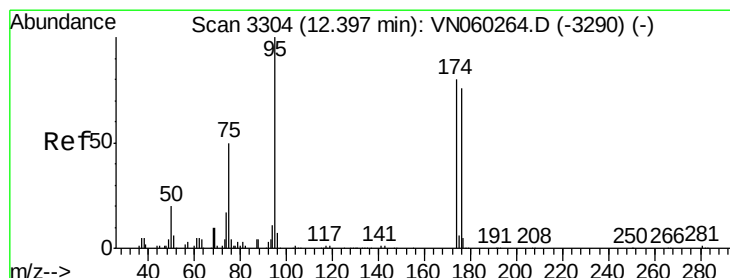
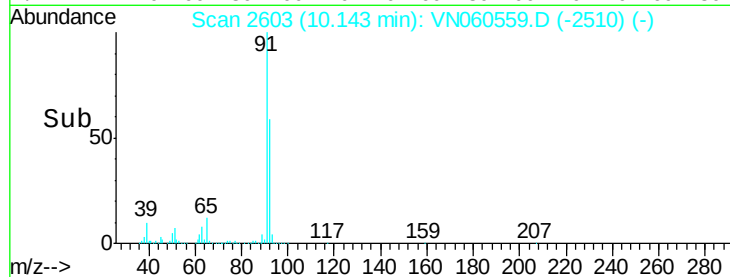
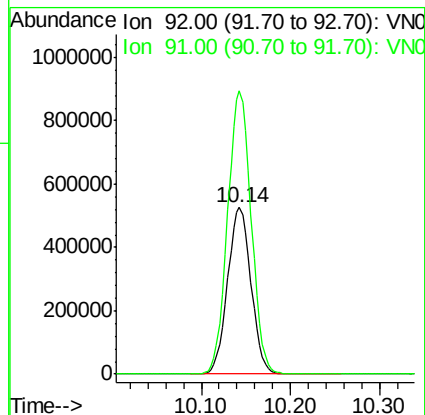
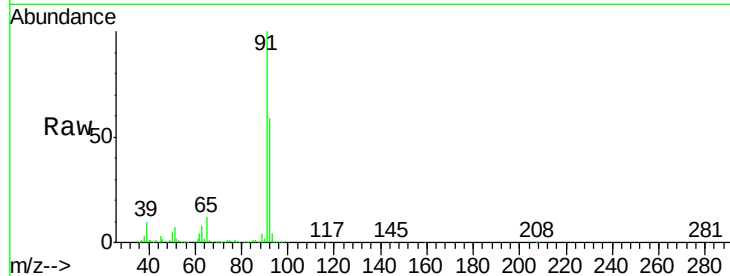
COMP

Tot Ion: 92 Resp: 955439

Ion Ratio Lower Upper

92 100

91 171.0 138.1 207.1



#62

4-Bromofluorobenzene

Concen: 53.005 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060559.D

Acq: 17 Mar 2020 16:11

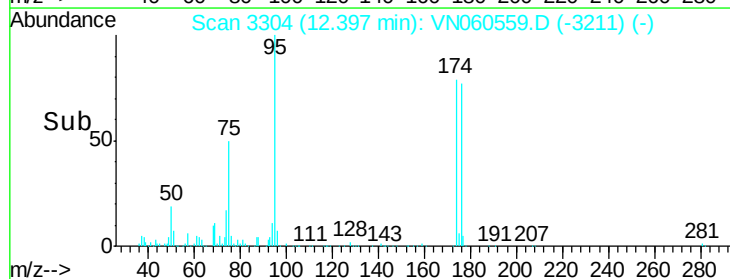
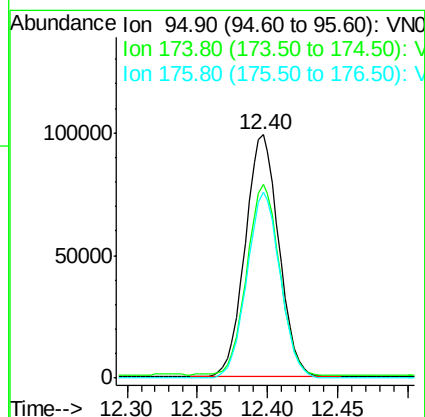
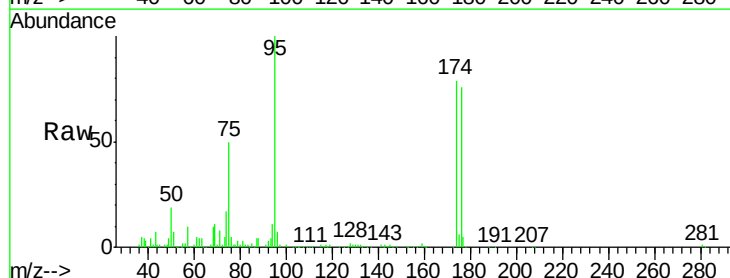
Tgt Ion: 95 Resp: 165292

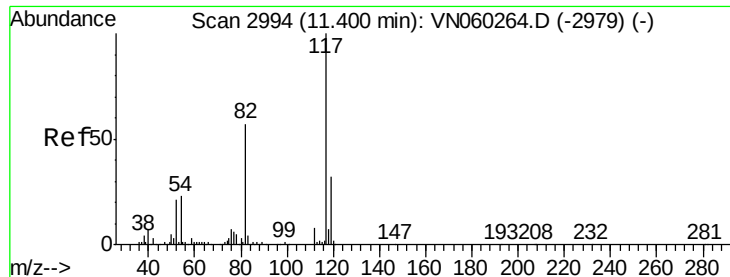
Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.2

176 76.0 0.0 153.8

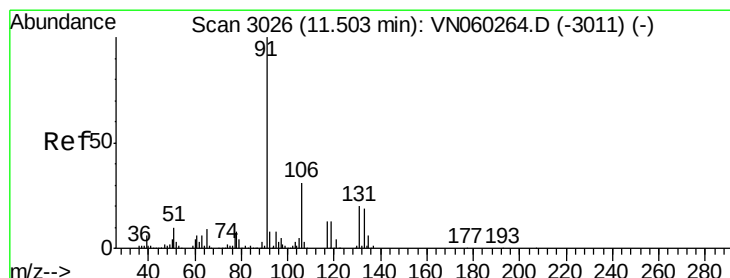
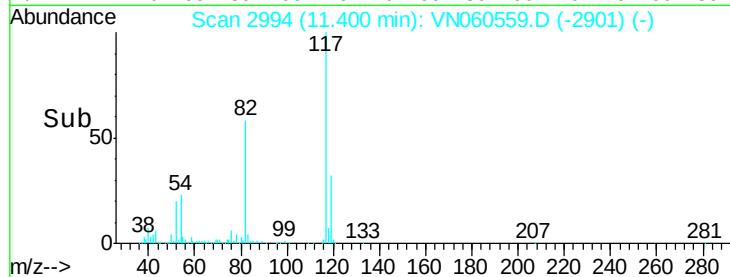
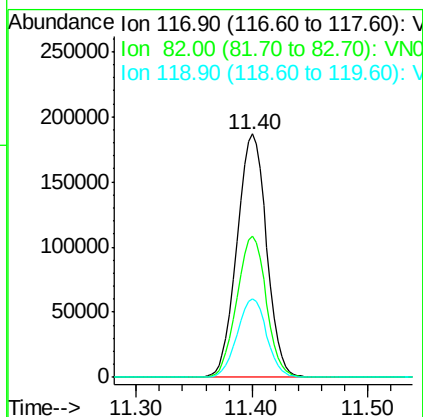
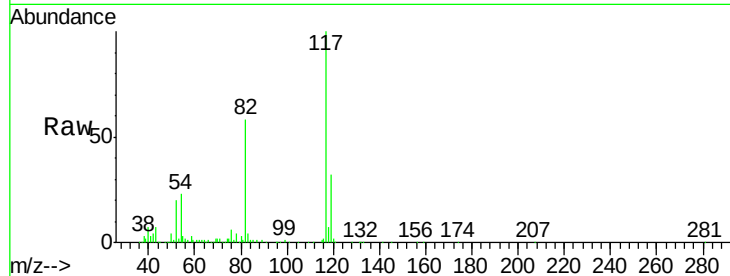




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

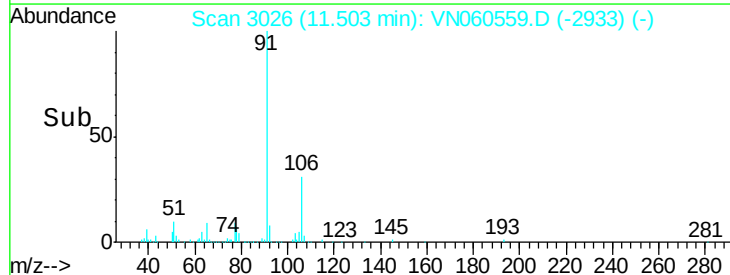
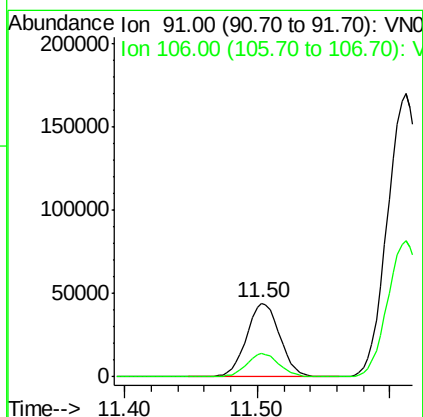
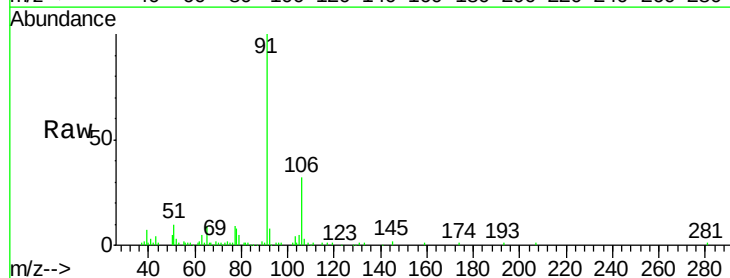
Instrument :
MSVOA_N
ClientSampleId :
COMP

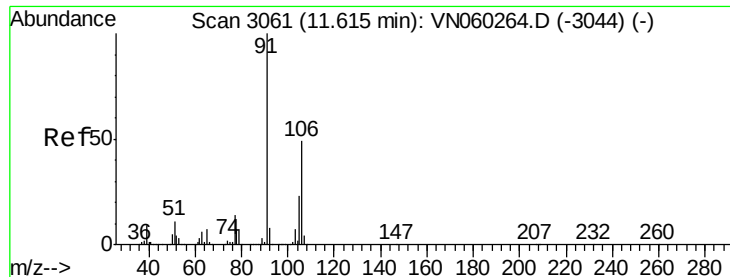
Tot Ion:117 Resp: 328929
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.6
119 32.4 25.8 38.8



#67
Ethyl Benzene
Concen: 6.278 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

Tgt Ion: 91 Resp: 75930
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1

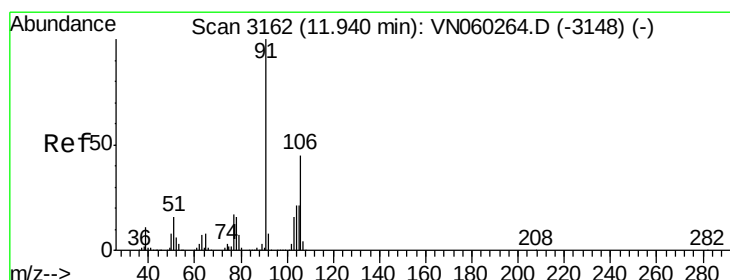
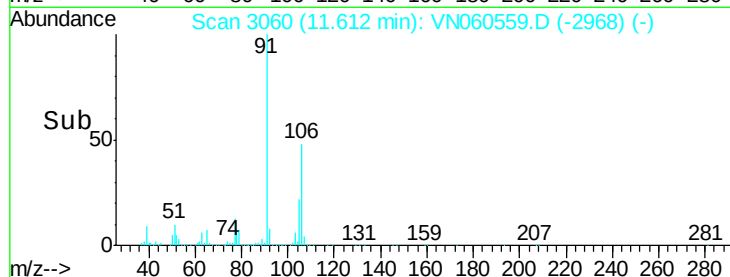
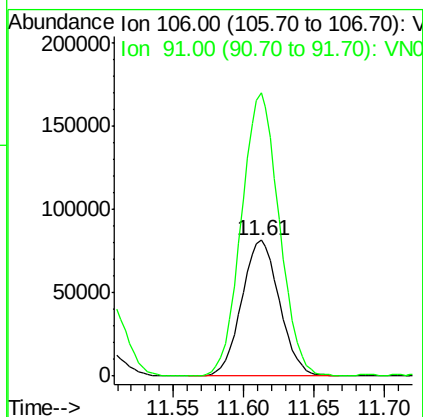
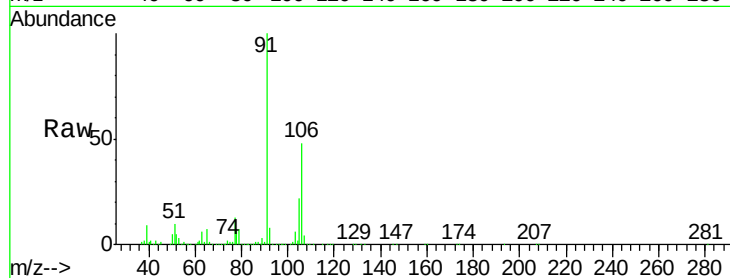




#68
m/p-Xylenes
Concen: 33.760 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

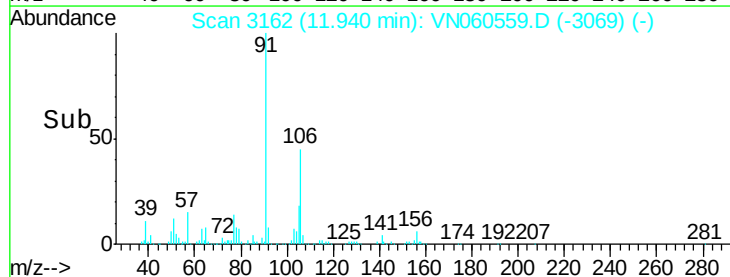
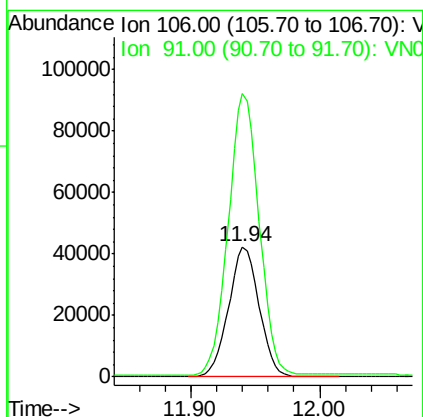
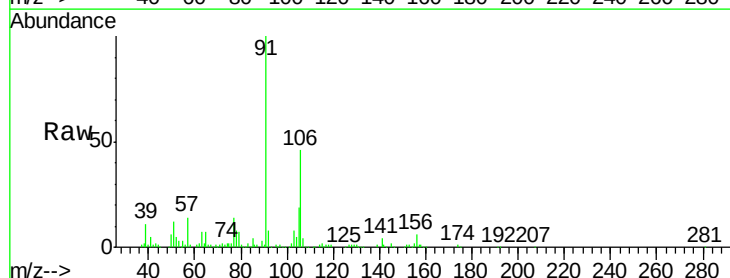
Instrument :
MSVOA_N
ClientSampleId :
COMP

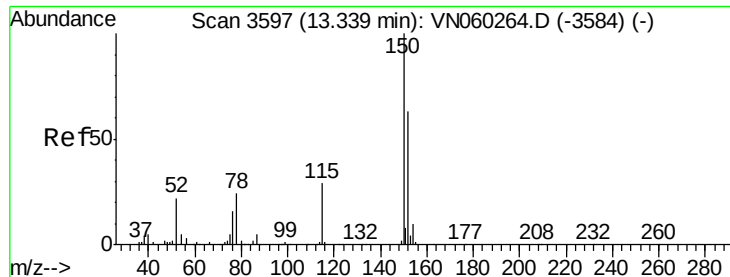
Tot Ion:106 Resp: 154066
Ion Ratio Lower Upper
106 100
91 206.0 164.5 246.7



#69
o-Xylene
Concen: 16.083 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060559.D
Acq: 17 Mar 2020 16:11

Tgt Ion:106 Resp: 69989
Ion Ratio Lower Upper
106 100
91 217.3 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060559.D

Acq: 17 Mar 2020 16:11

Instrument :

MSVOA_N

ClientSampleId :

COMP

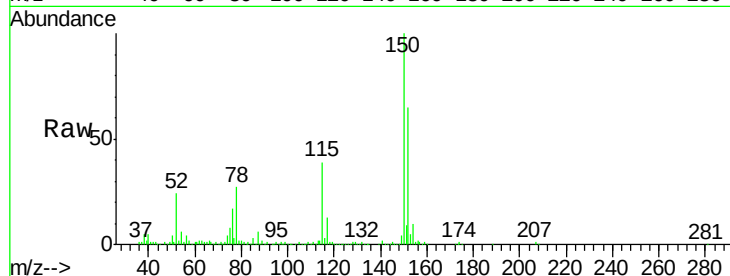
Tot Ion:152 Resp: 157594

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

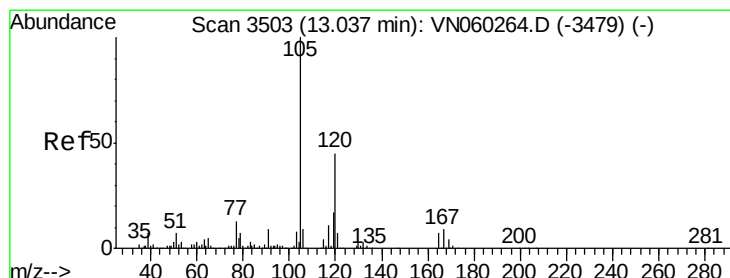
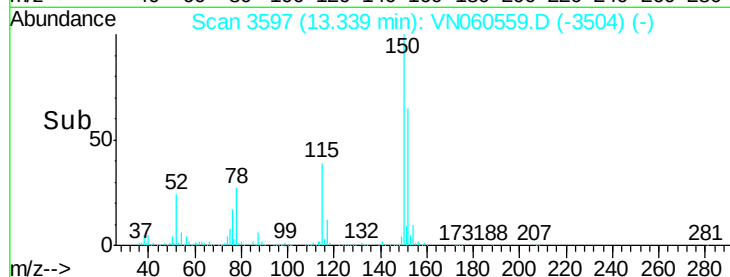
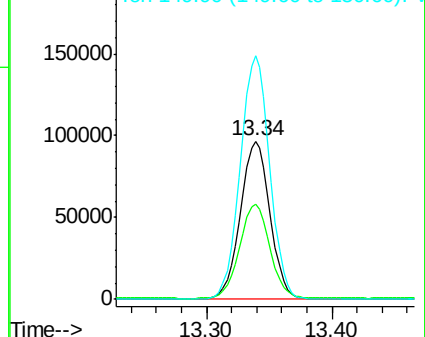
150 153.7 0.0 349.6



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: 1.018 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060559.D

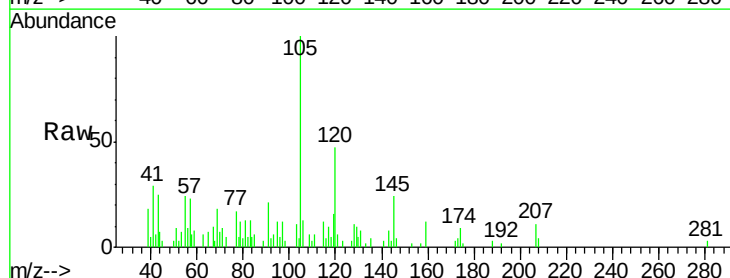
Acq: 17 Mar 2020 16:11

Tgt Ion:105 Resp: 10109

Ion Ratio Lower Upper

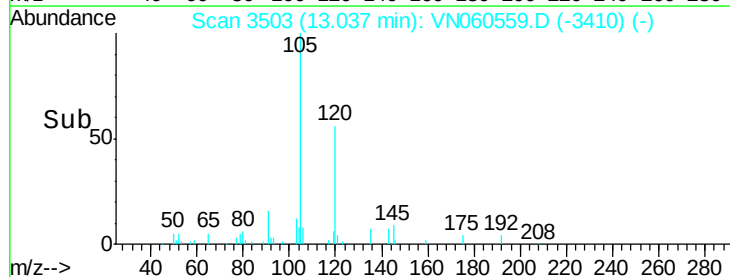
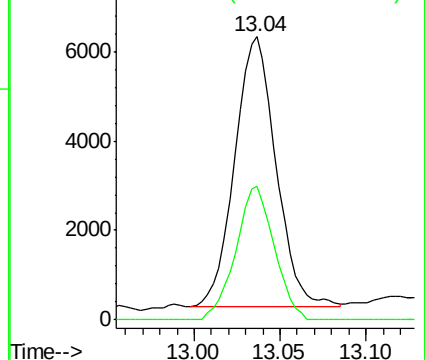
105 100

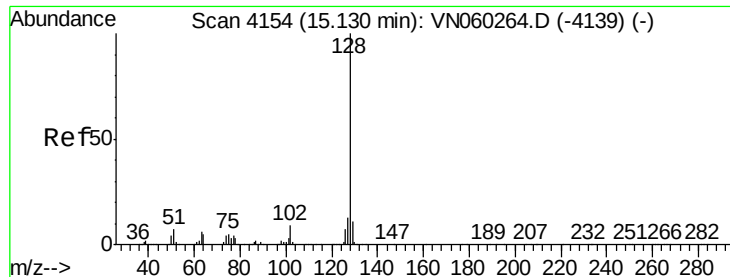
120 45.8 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 0.771 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060559.D

Acq: 17 Mar 2020 16:11

Instrument :

MSVOA_N

ClientSampleId :

COMP

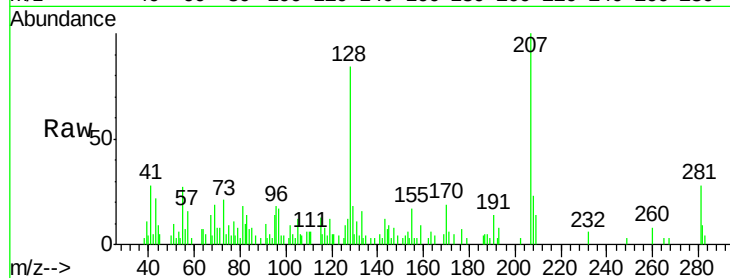
Tot Ion:128 Resp: 9752

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 16.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

