

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060887.D
 Acq On : 7 Apr 2020 19:05
 Operator : JC/MD
 Sample : L2171-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-COMP

Quant Time: Apr 08 05:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

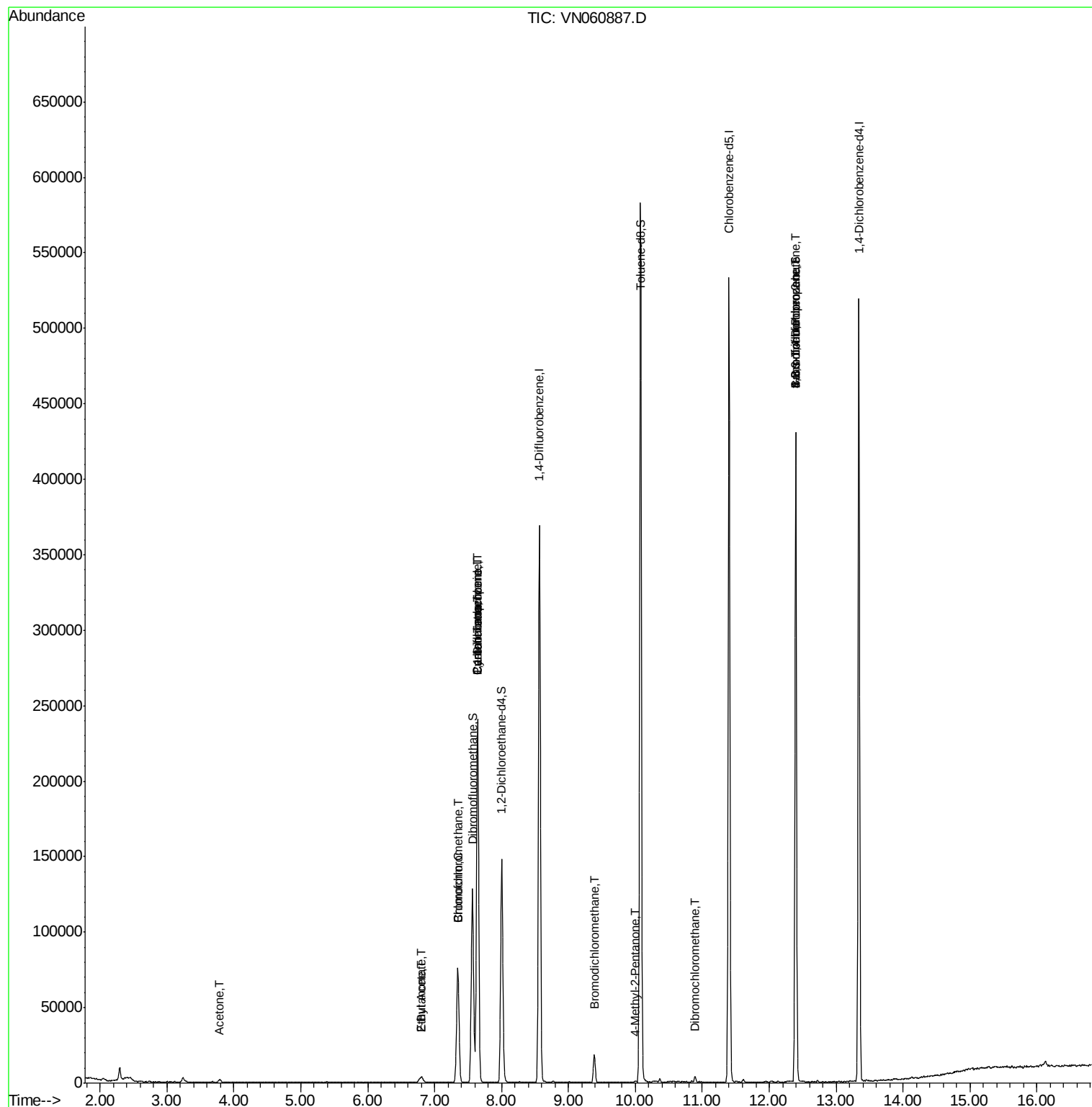
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137104	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	127249	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	7.56	113	97320	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.08	98	400844	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.40	95	148194	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	4059	4.230	ug/l	98
25) 2-Butanone	6.81	43	7495	4.827	ug/l	94
28) Bromochloromethane	7.35	49	6595	3.185	ug/l #	17
30) Chloroform	7.35	83	80523	19.408	ug/l	99
31) Cyclohexane	7.64	56	4163	0.954	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15457	4.843	ug/l #	47
37) Ethyl Acetate	6.81	43	7495	2.173	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18758	6.558	ug/l #	17
47) Bromodichloromethane	9.38	83	13068	4.092	ug/l	99
51) 4-Methyl-2-Pentanone	10.00	43	1168	0.361	ug/l #	37
60) Dibromochloromethane	10.89	129	2337	1.011	ug/l	98
71) Bromoform	12.40	173	547	1.971	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	75672	25.578	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75672	65.693	ug/l #	13

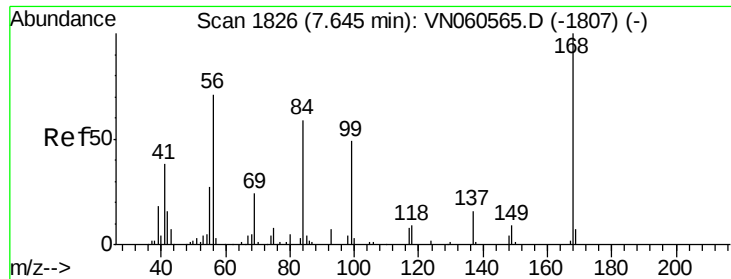
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040720\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

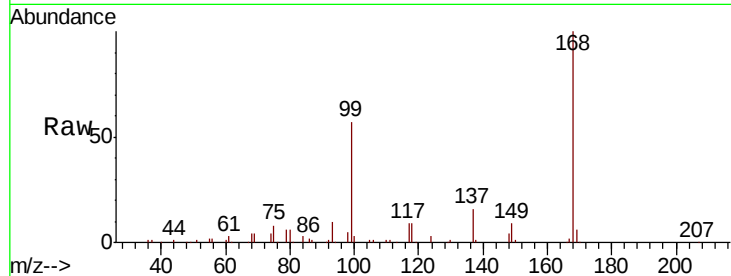
FRAC-COMP

Tot Ion:168 Resp: 197335

Ion Ratio Lower Upper

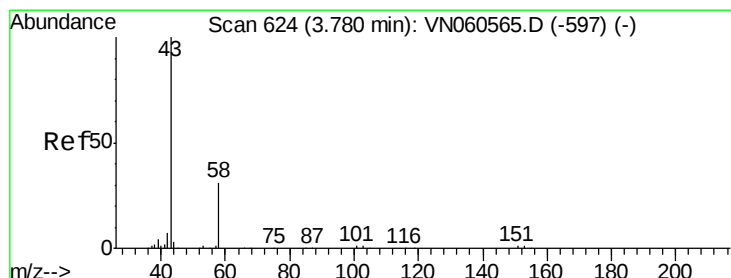
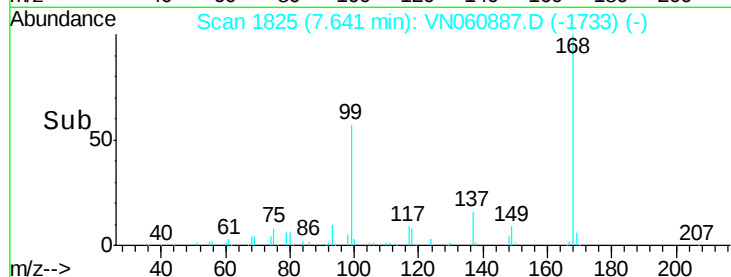
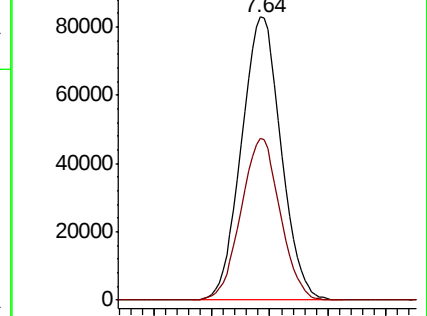
168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 4.230 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060887.D

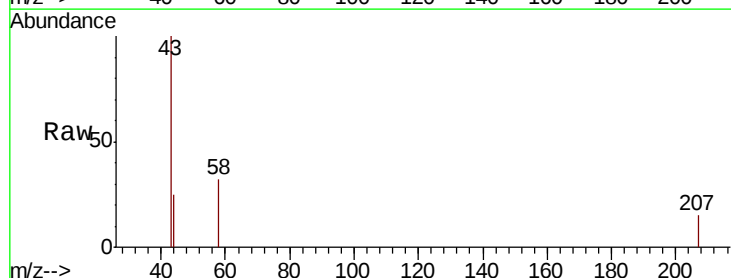
Acq: 7 Apr 2020 19:05

Tgt Ion: 43 Resp: 4059

Ion Ratio Lower Upper

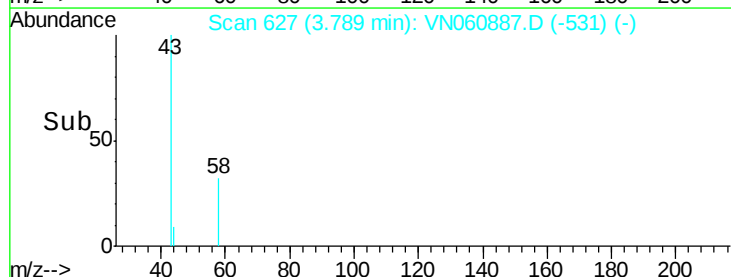
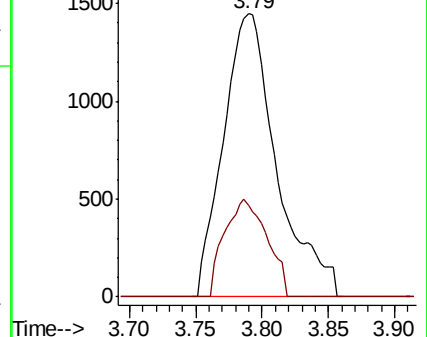
43 100

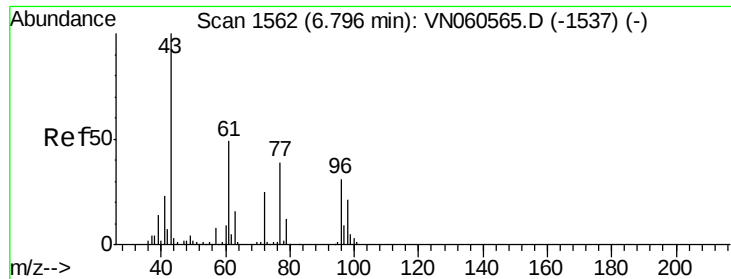
58 32.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

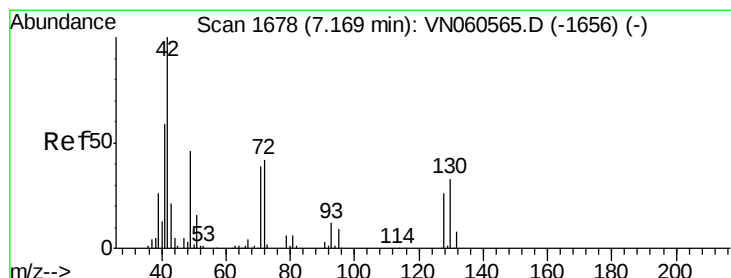
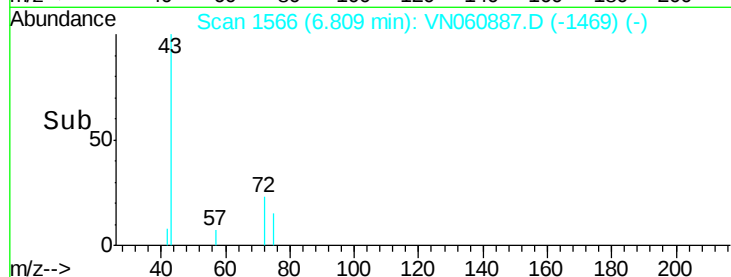
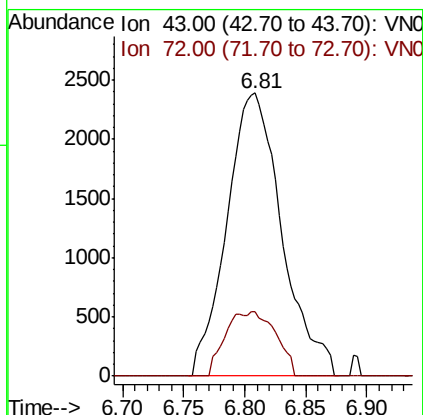
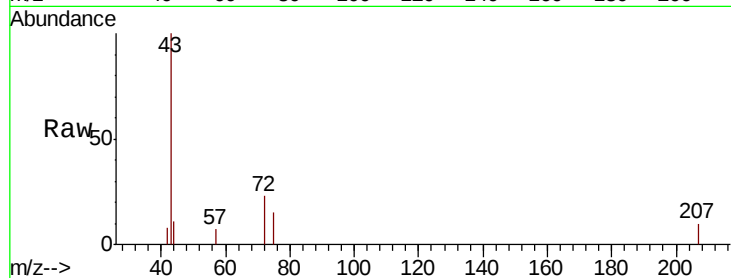




#25
2-Butanone
Concen: 4.827 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

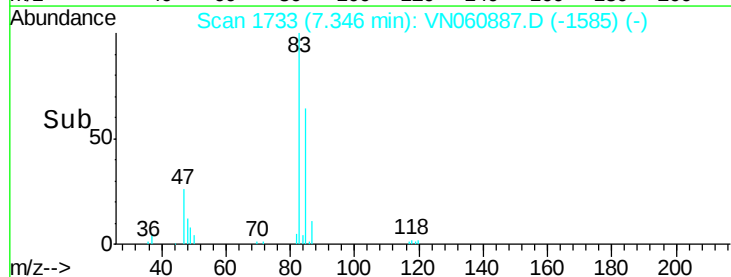
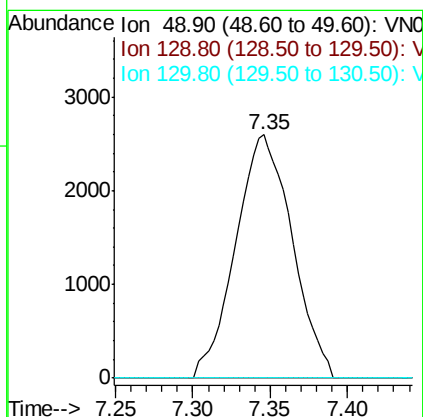
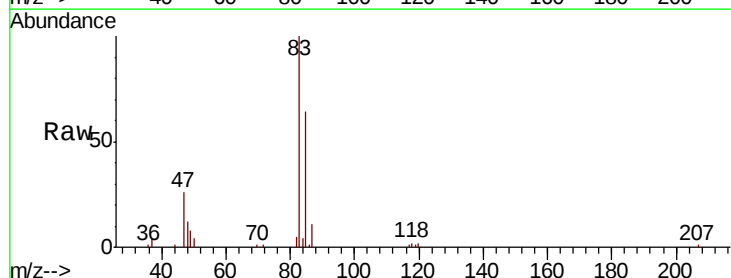
Instrument :
MSVOA_N
ClientSampled :
FRAC-COMP

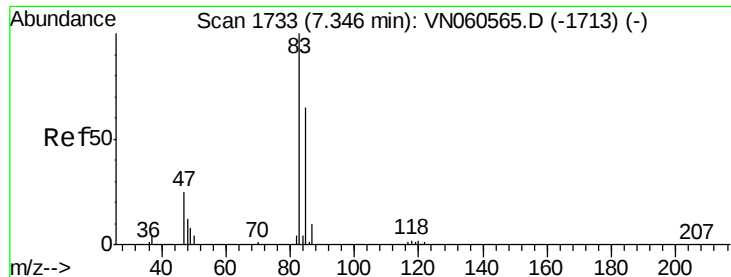
Tot Ion: 43 Resp: 7495
Ion Ratio Lower Upper
43 100
72 22.6 20.4 30.6



#28
Bromochloromethane
Concen: 3.185 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.18 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

Tgt Ion: 49 Resp: 6595
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 0.0 55.0 82.4#

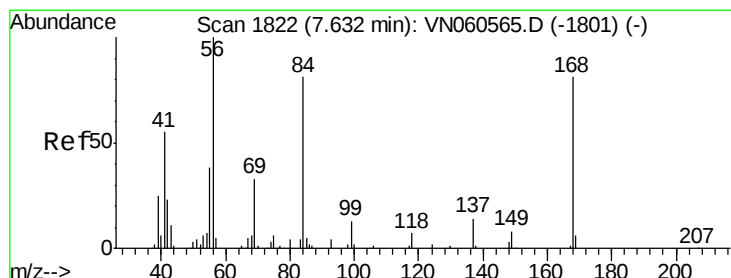
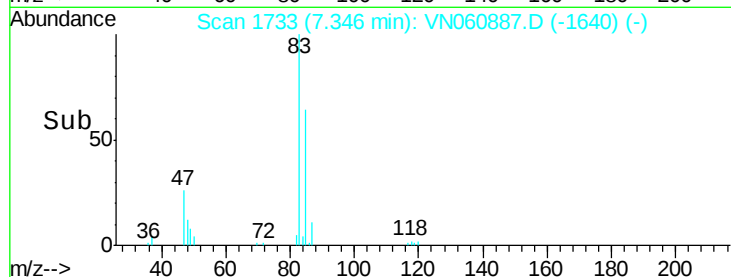
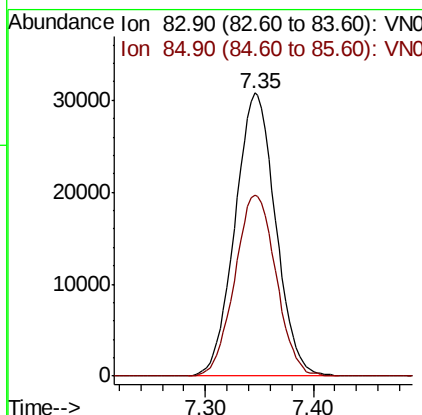
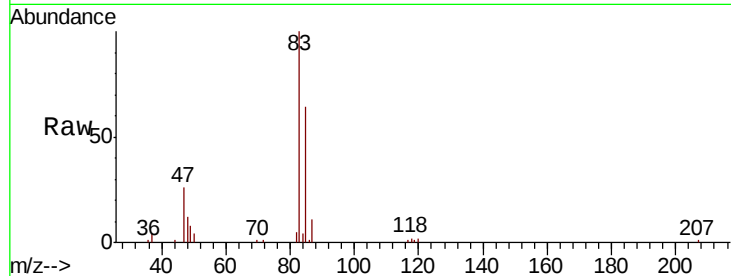




#30
Chloroform
Concen: 19.408 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

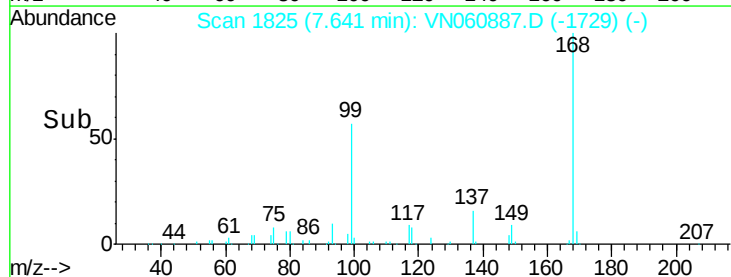
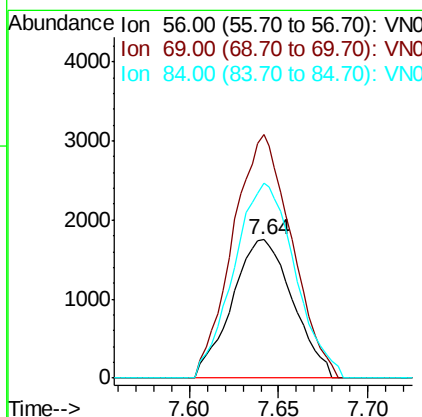
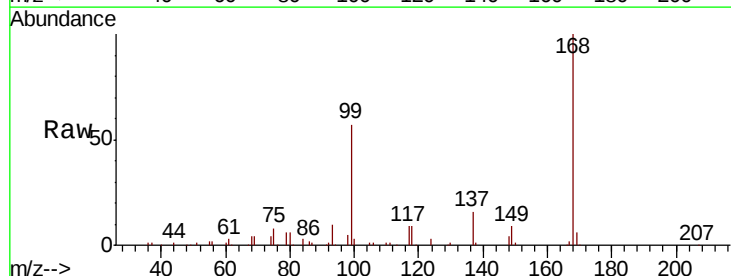
Instrument :
MSVOA_N
ClientSampleId :
FRAC-COMP

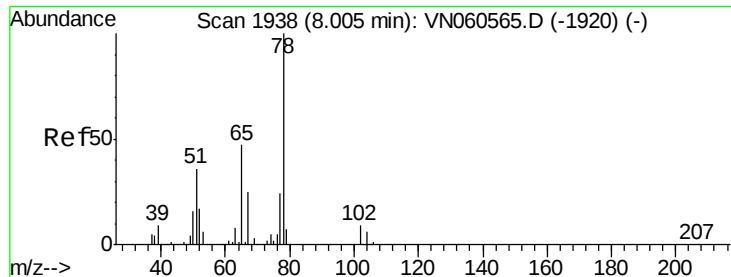
Tot Ion: 83 Resp: 80523
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.8



#31
Cyclohexane
Concen: 0.954 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

Tgt Ion: 56 Resp: 4163
Ion Ratio Lower Upper
56 100
69 176.1 26.6 40.0#
84 141.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 46.973 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

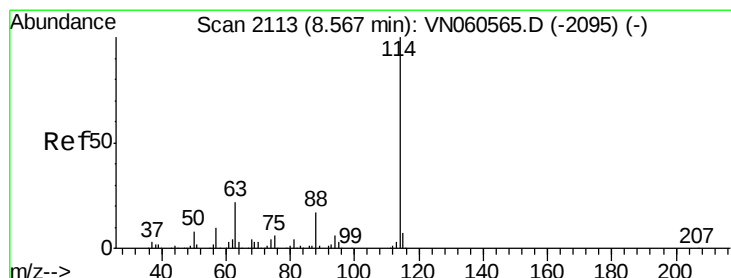
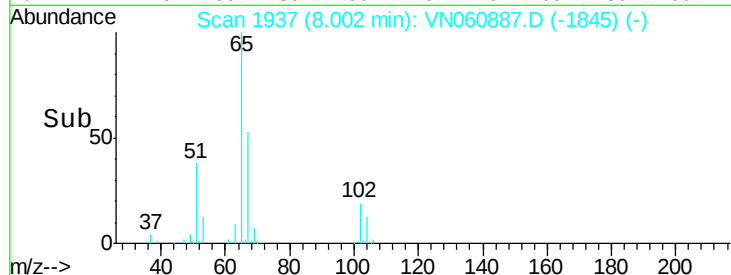
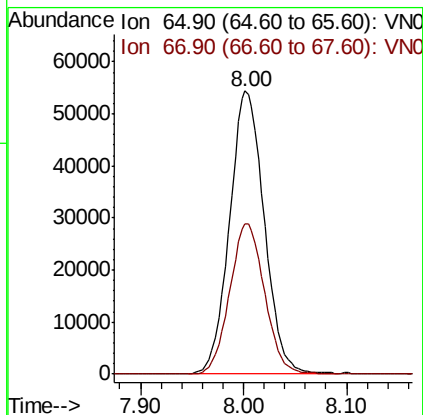
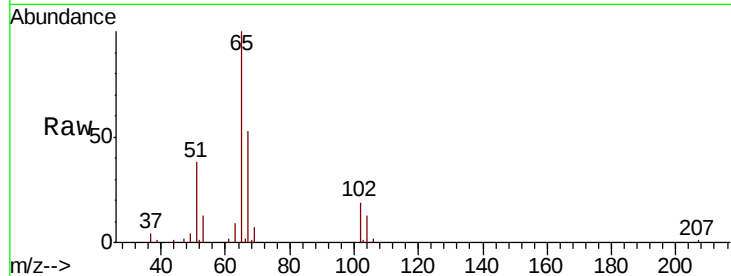
FRAC-COMP

Tot Ion: 65 Resp: 127249

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

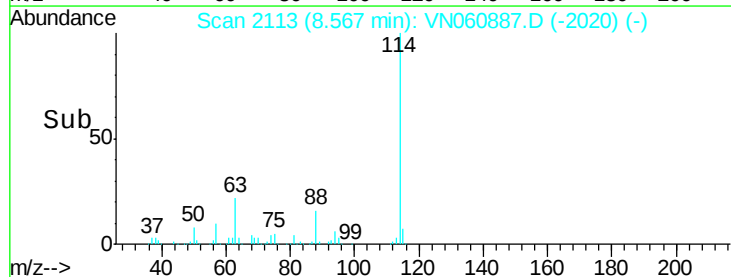
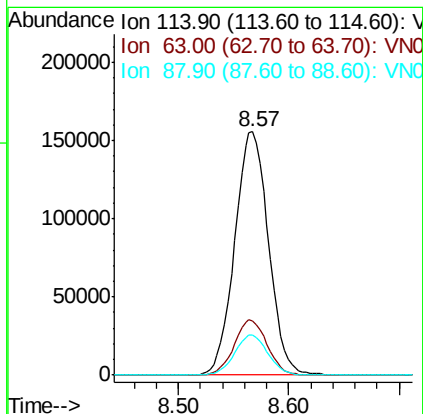
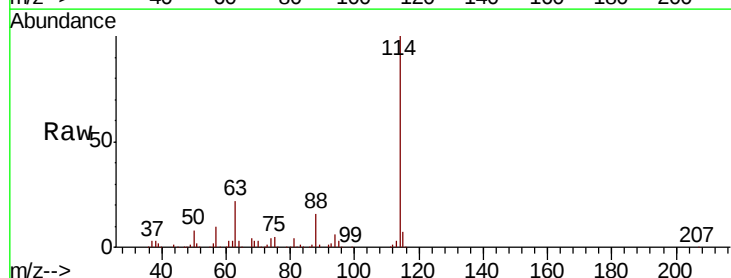
Tgt Ion: 114 Resp: 329600

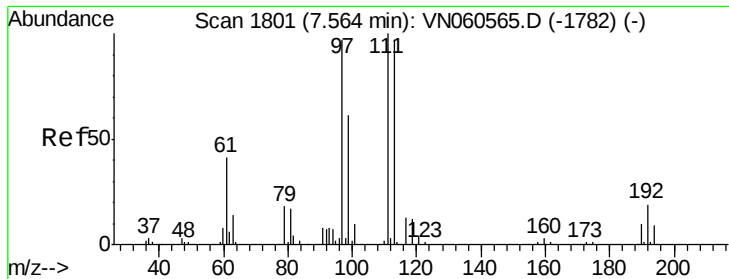
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.4 0.0 33.0

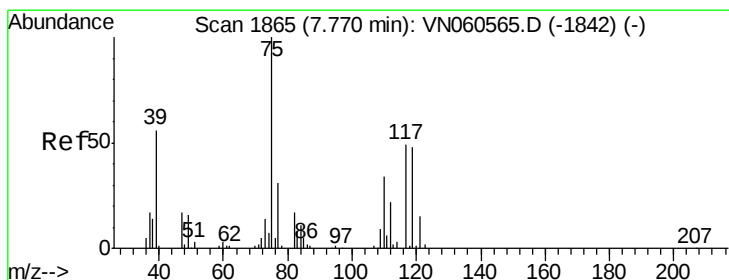
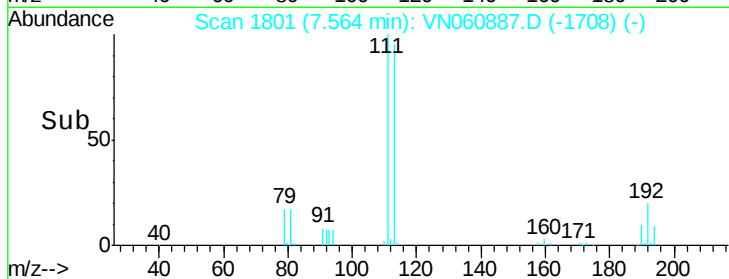
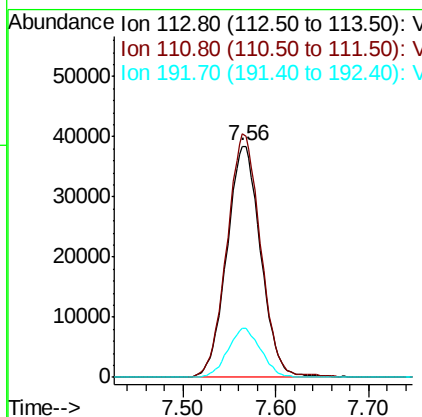
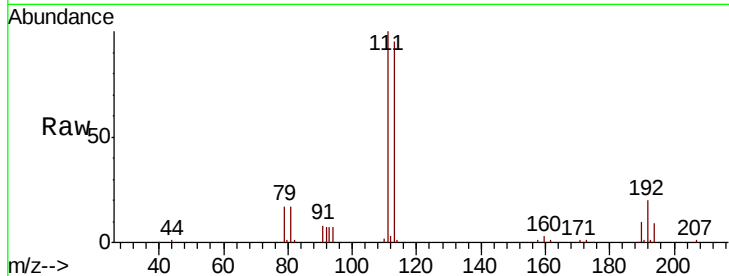




#35
 Dibromofluoromethane
 Concen: 48.831 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060887.D
 Acq: 7 Apr 2020 19:05

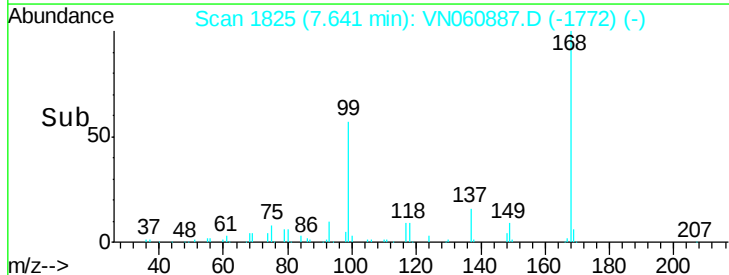
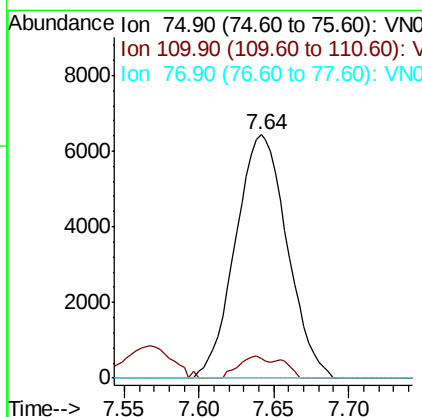
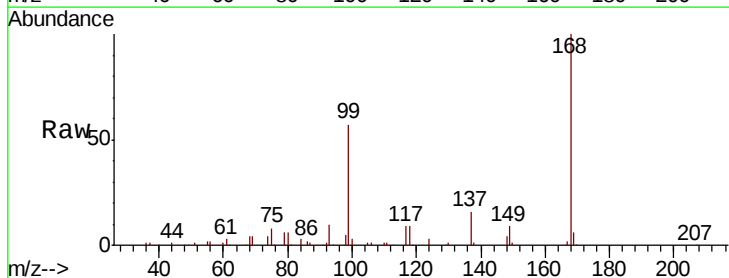
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-COMP

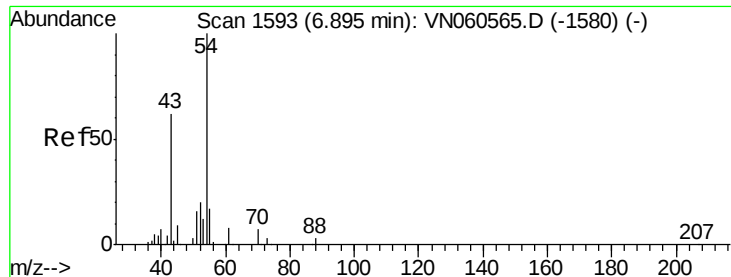
Tot Ion:113 Resp: 97320
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.9 124.3
 192 20.6 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060887.D
 Acq: 7 Apr 2020 19:05

Tgt Ion: 75 Resp: 15457
 Ion Ratio Lower Upper
 75 100
 110 5.1 16.9 50.6#
 77 0.0 24.6 36.8#

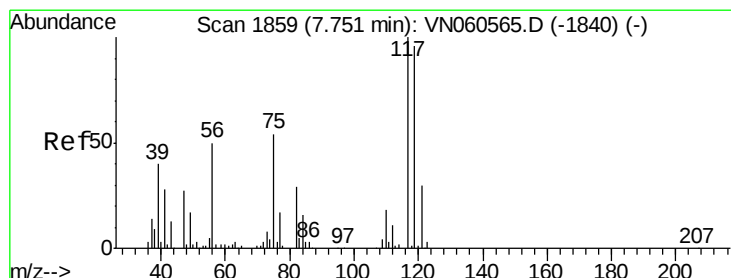
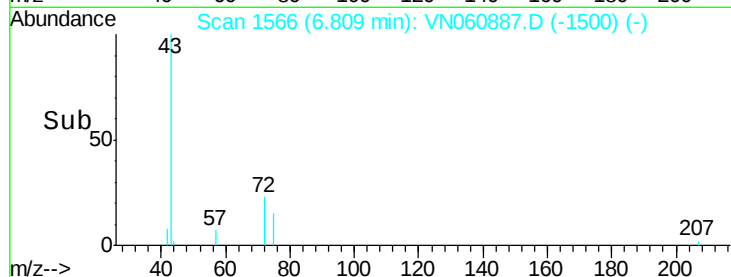
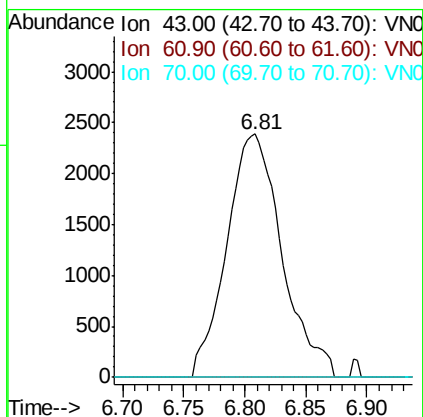
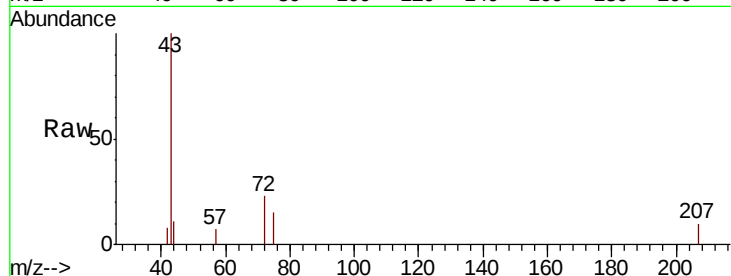




#37
Ethyl Acetate
Concen: 2.173 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.09 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

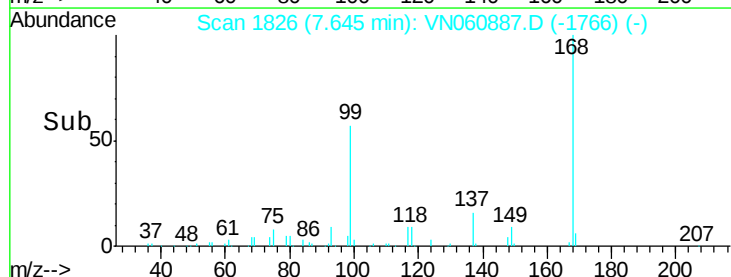
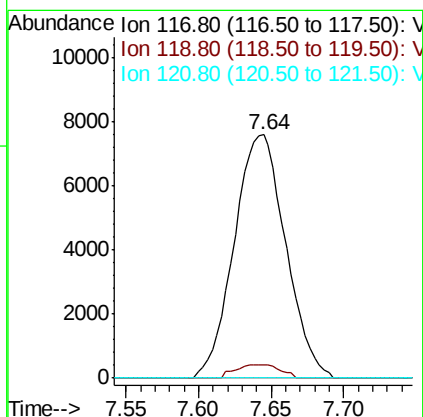
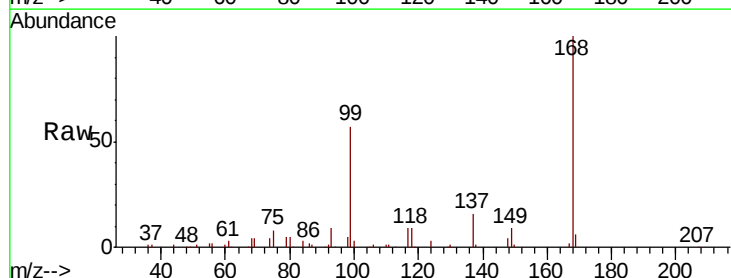
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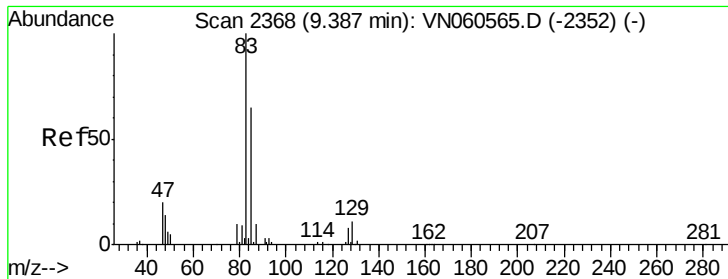
Tot Ion: 43 Resp: 7495
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.558 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

Tgt Ion: 117 Resp: 18758
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 23.7 35.5#





#47

Bromodichloromethane

Concen: 4.092 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

FRAC-COMP

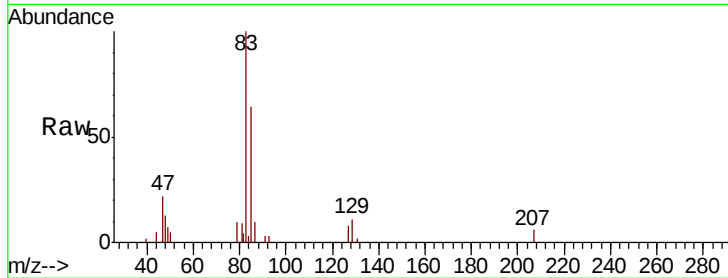
Tot Ion: 83 Resp: 13068

Ion Ratio Lower Upper

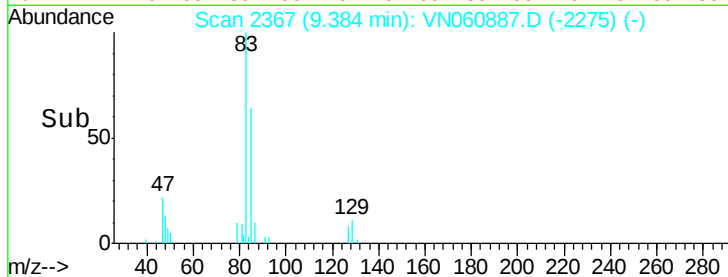
83 100

85 63.9 51.8 77.6

127 8.4 6.5 9.7



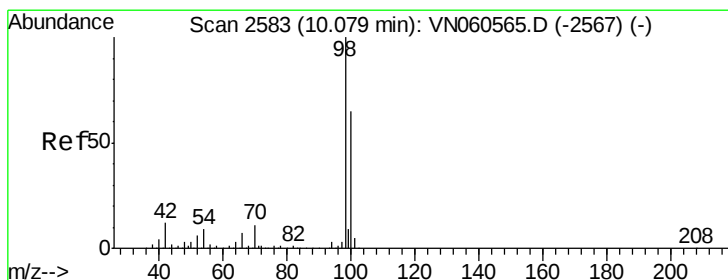
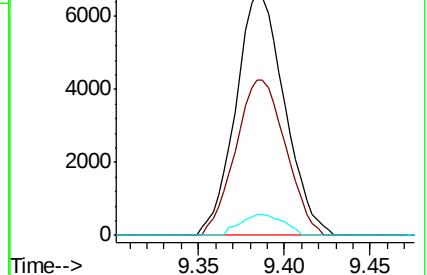
Abundance Ion 82.90 (82.60 to 83.60): VN060887.D (-2275) (-)



Ion 84.90 (84.60 to 85.60): VN060887.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060887.D (-2275) (-)

Time-->



#50

Toluene-d8

Concen: 49.240 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060887.D

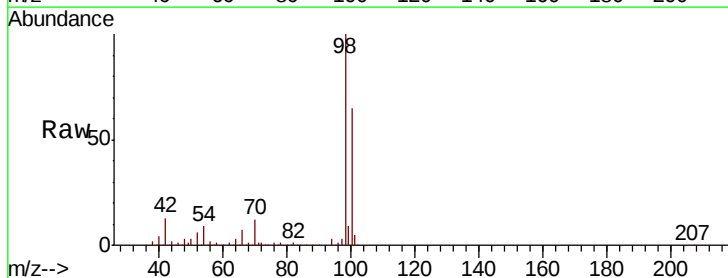
Acq: 7 Apr 2020 19:05

Tgt Ion: 98 Resp: 400844

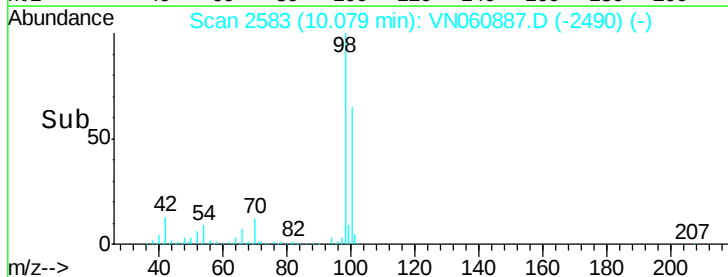
Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.8

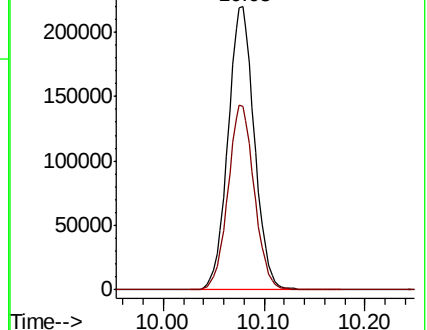


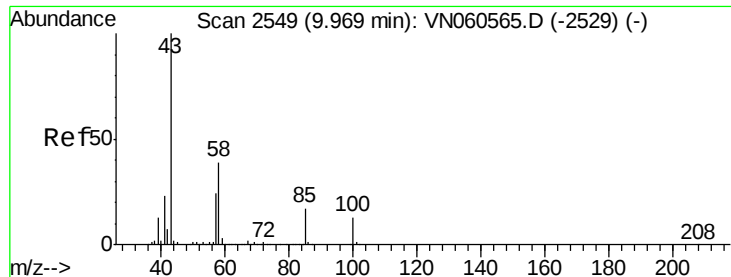
Abundance Ion 98.00 (97.70 to 98.70): VN060887.D (-2490) (-)



Ion 100.00 (99.70 to 100.70): VN060887.D (-2490) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.361 ug/l

RT: 10.00 min Scan# 2558

Delta R.T. 0.03 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

Instrument :

MSVOA_N

ClientSampled :

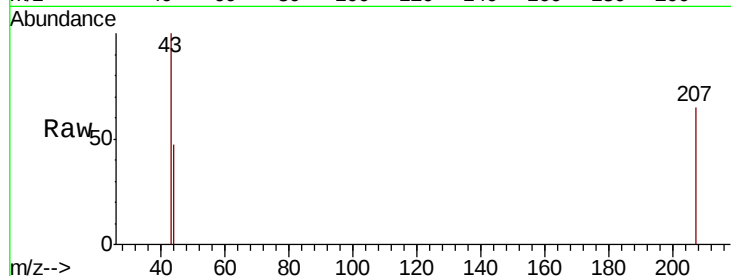
FRAC-COMP

Tot Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

10.00

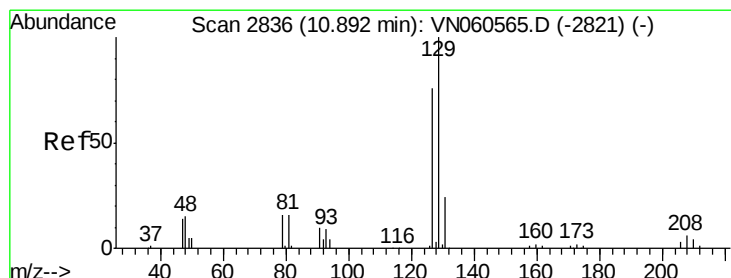
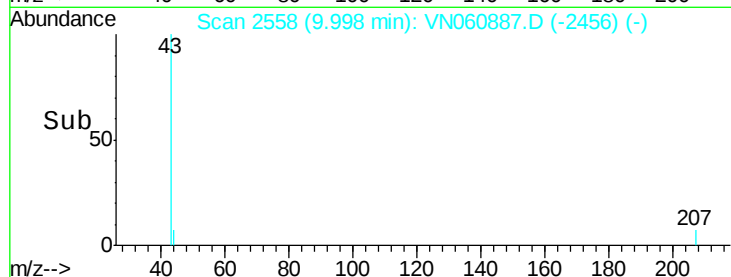
600

400

200

0

Time-->



#60

Dibromochloromethane

Concen: 1.011 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN060887.D

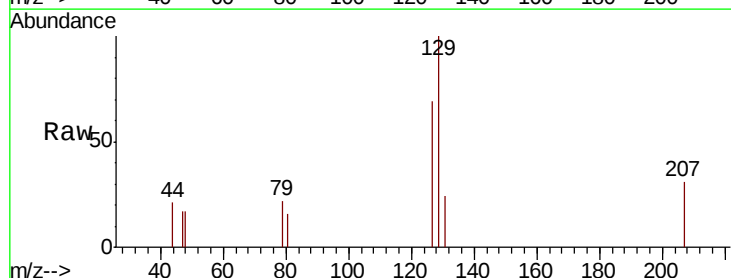
Acq: 7 Apr 2020 19:05

Tgt Ion: 129 Resp: 2337

Ion Ratio Lower Upper

129 100

127 78.9 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN060565.D (-2821) (-)

Ion 126.80 (126.50 to 127.50): VN060565.D (-2821) (-)

10.89

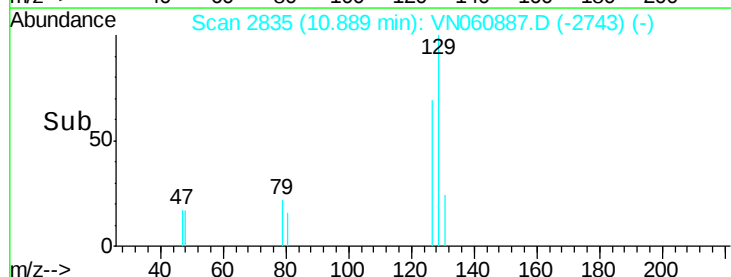
1500

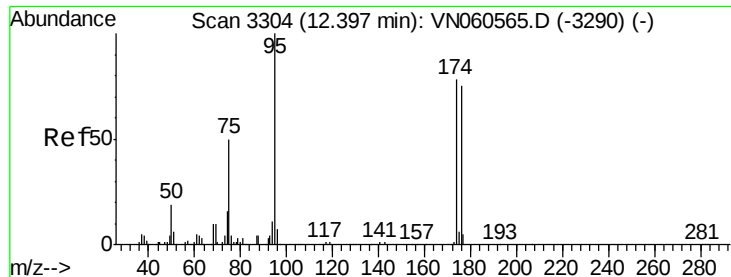
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.673 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

FRAC-COMP

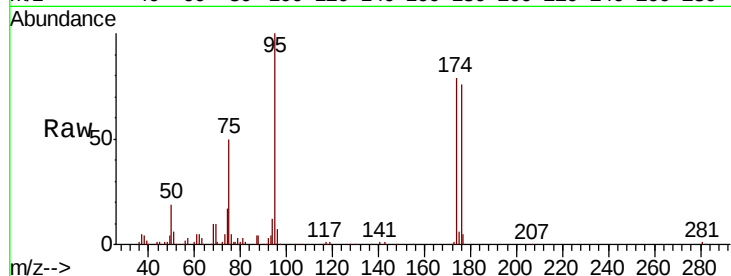
Tot Ion: 95 Resp: 148194

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.6

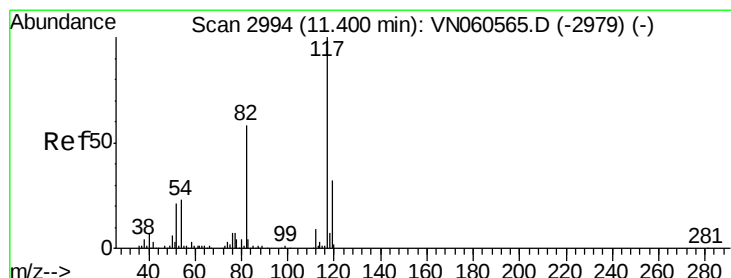
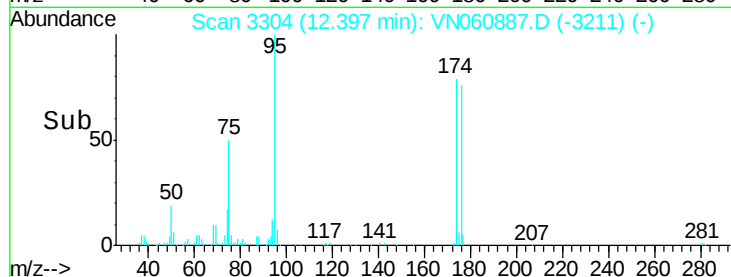
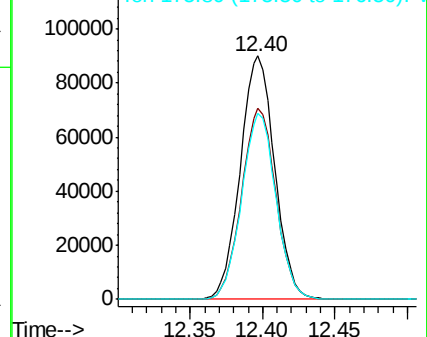
176 76.4 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060887.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060887.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060887.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

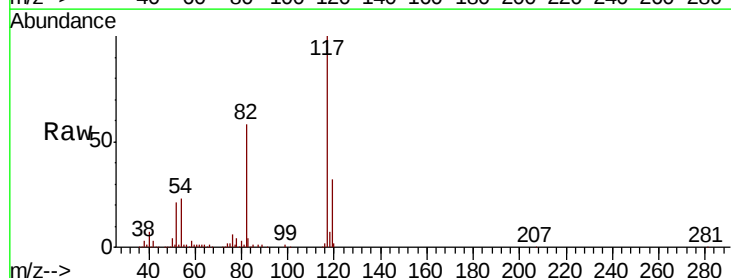
Tgt Ion: 117 Resp: 304722

Ion Ratio Lower Upper

117 100

82 58.3 46.7 70.1

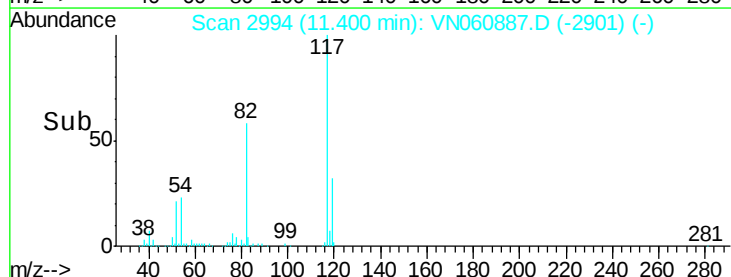
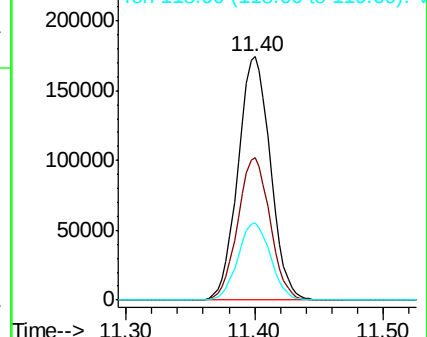
119 31.6 25.5 38.3

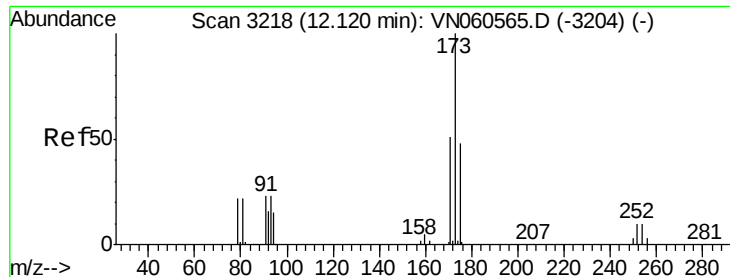


Abundance Ion 116.90 (116.60 to 117.60): VN060887.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060887.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060887.D (-2901) (-)

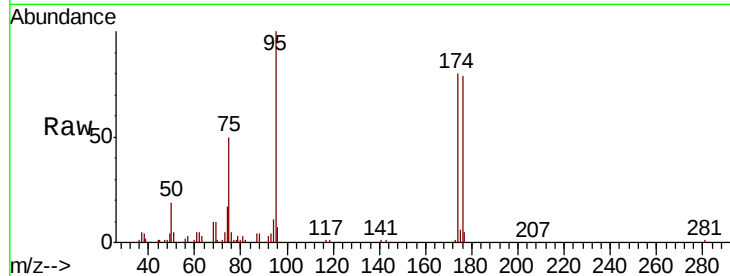




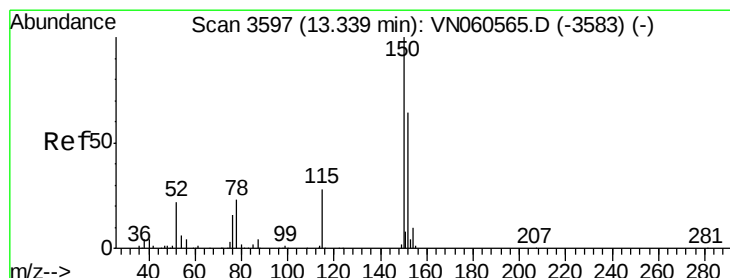
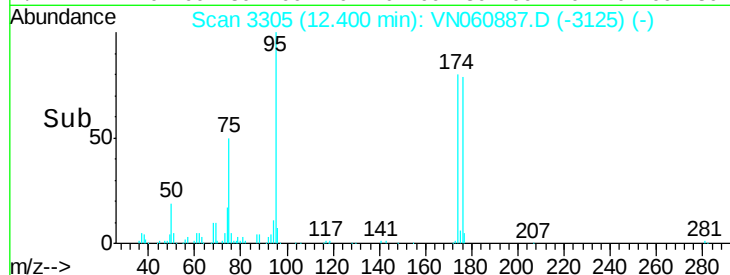
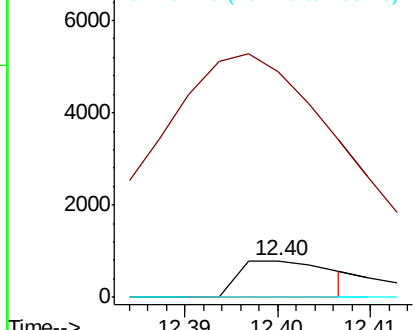
#71
Bromoform
Concen: 1.971 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

Instrument :
MSVOA_N
ClientSampleId :
FRAC-COMP

Tot Ion:173 Resp: 547
Ion Ratio Lower Upper
173 100
175 1322.9 24.1 72.4#
254 0.0 0.0 0.0

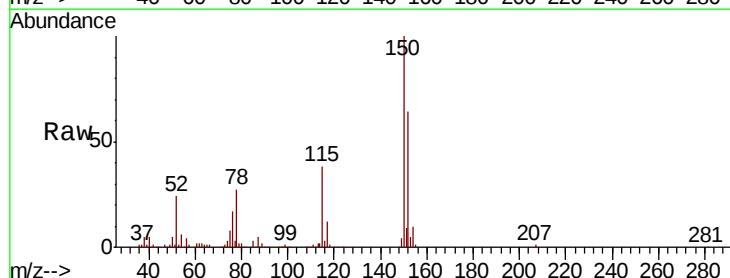


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

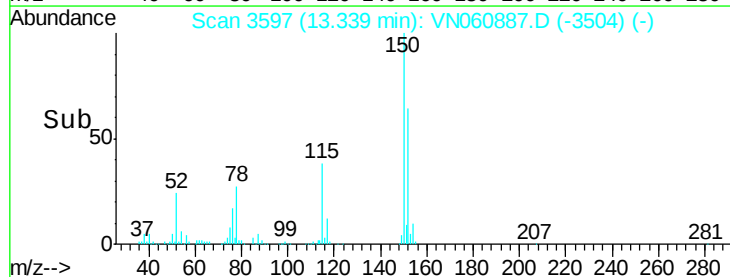
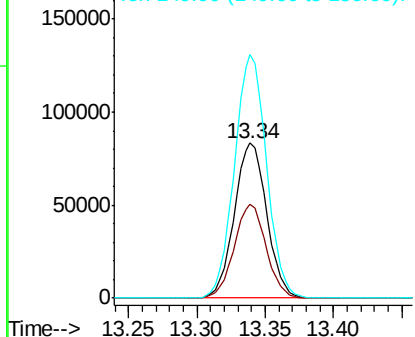


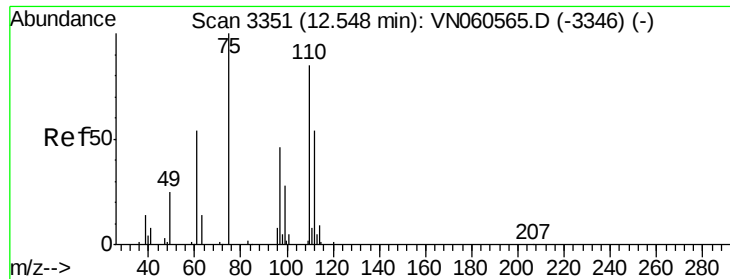
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060887.D
Acq: 7 Apr 2020 19:05

Tgt Ion:152 Resp: 137104
Ion Ratio Lower Upper
152 100
115 59.6 30.2 90.6
150 156.1 0.0 350.2



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





#76

1,2,3-Trichloropropane

Concen: 25.578 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

Instrument :

MSVOA_N

ClientSampled :

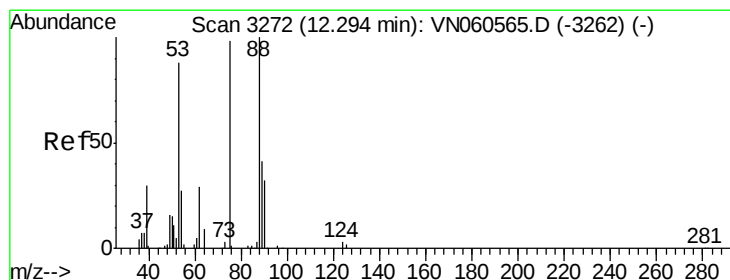
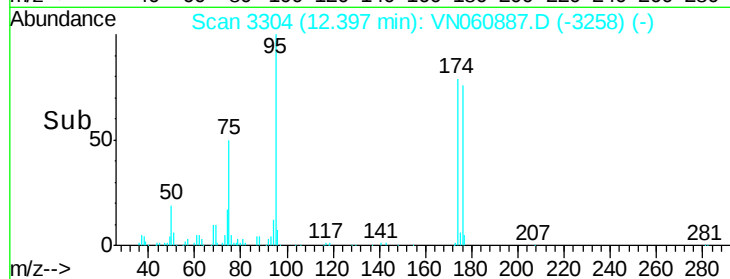
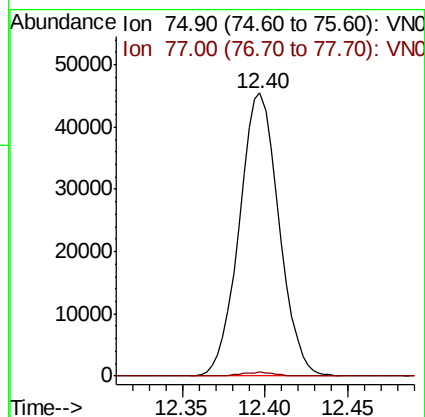
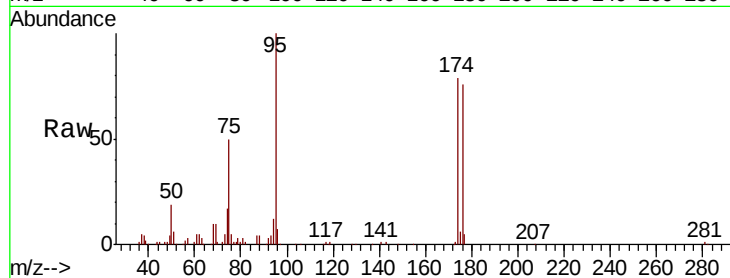
FRAC-COMP

Tot Ion: 75 Resp: 75672

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.693 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060887.D

Acq: 7 Apr 2020 19:05

Tgt Ion: 75 Resp: 75672

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

