

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063055.D
 Acq On : 21 Aug 2020 00:03
 Operator : JC/MD
 Sample : L3698-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-TB-2020-2

Quant Time: Aug 21 06:40:24 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	144031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	239648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88529	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	96967	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	
35) Dibromofluoromethane	7.55	113	83238	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
50) Toluene-d8	10.06	98	309150	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.38	95	102625	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

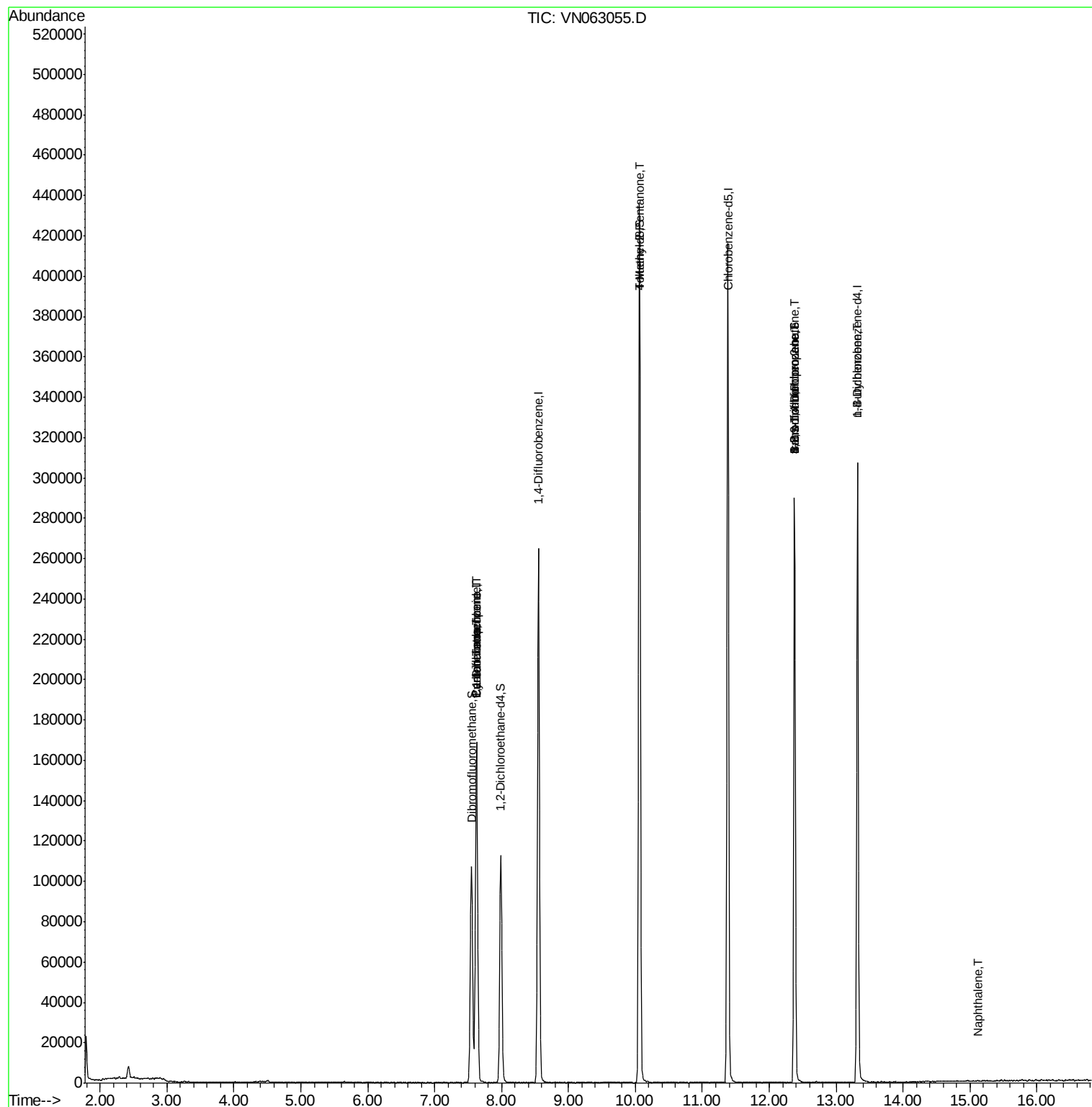
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	221	Below Cal	#	40
20) Methylene Chloride	4.51	84	399	Below Cal	#	74
31) Cyclohexane	7.63	56	2659	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10886	5.155	ug/l #	47
38) Carbon Tetrachloride	7.63	117	13239	6.209	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1087	0.525	ug/l #	1
71) Bromoform	12.38	173	955	0.625	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49055	28.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49055	78.293	ug/l #	15
89) n-Butylbenzene	13.32	91	110	2.792	ug/l #	34
95) Naphthalene	15.11	128	128	5.674	ug/l #	69

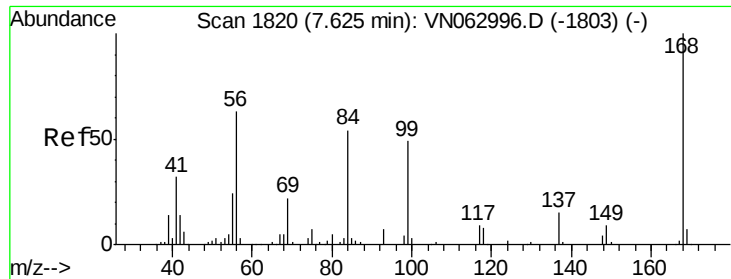
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082020\
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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# 1820

Delta R.T. -0.00 min

Lab File: VN063055.D

Acq: 21 Aug 2020 00:03

Instrument :

MSVOA_N

ClientSampleId :

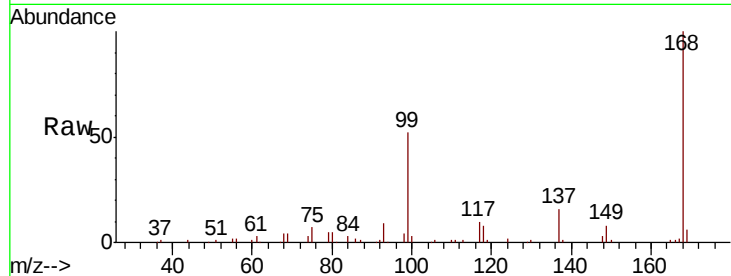
S39-TB-2020-2

Tot Ion:168 Resp: 144031

Ion Ratio Lower Upper

168 100

99 51.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN062996.D (-1803) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1803) (-)

7.63

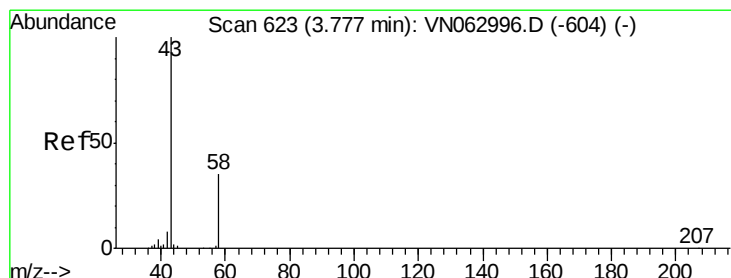
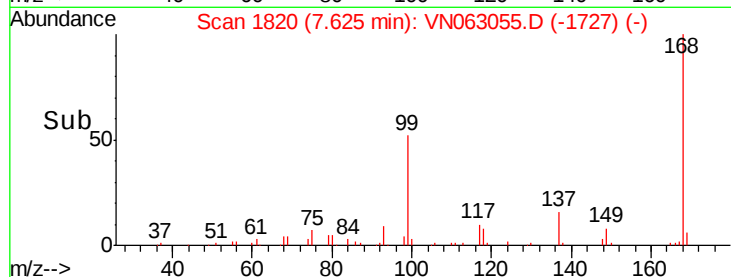
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063055.D

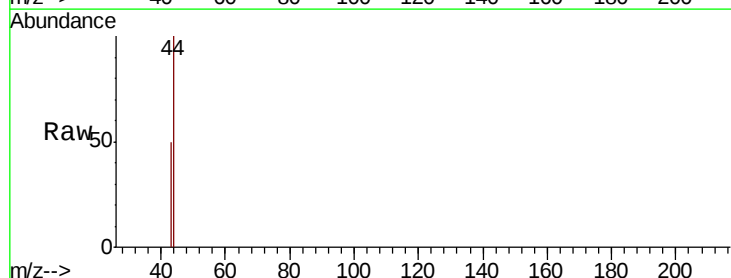
Acq: 21 Aug 2020 00:03

Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-604) (-)

3.78

200

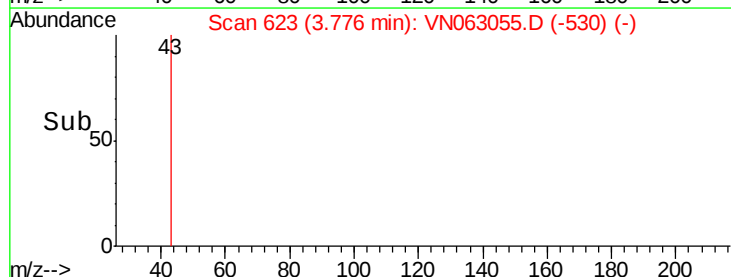
150

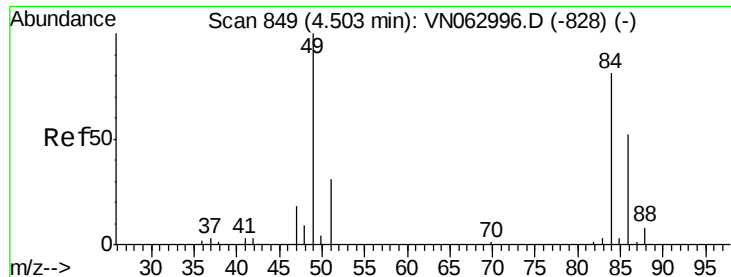
100

50

0

Time--> 3.76 3.78 3.80

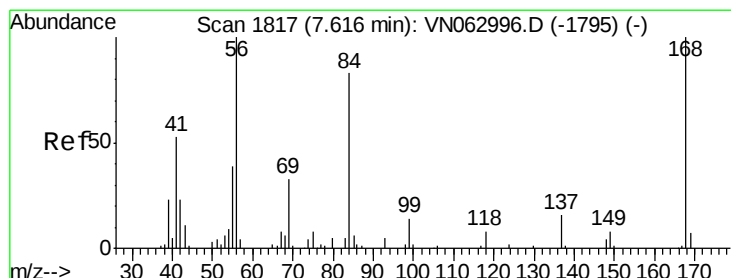
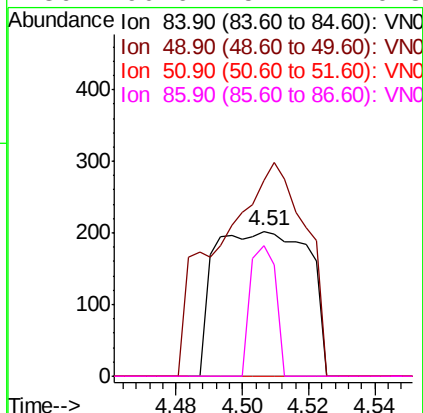
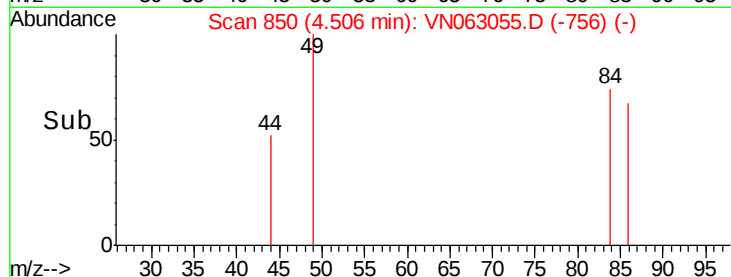
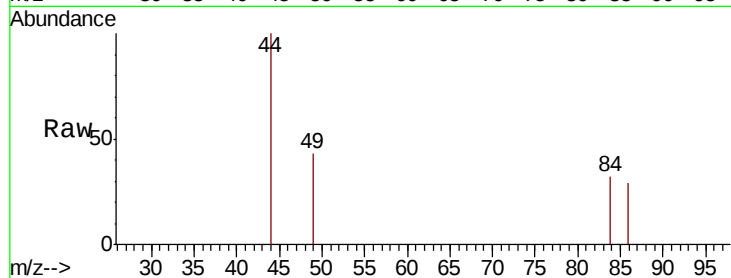




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN063055.D
Acq: 21 Aug 2020 00:03

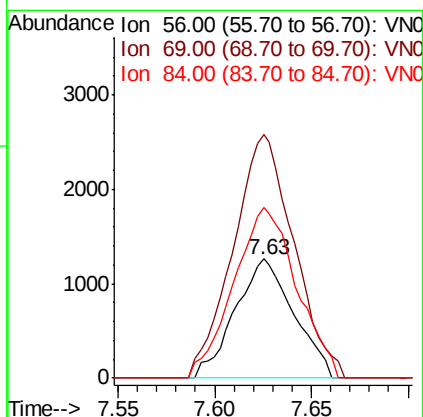
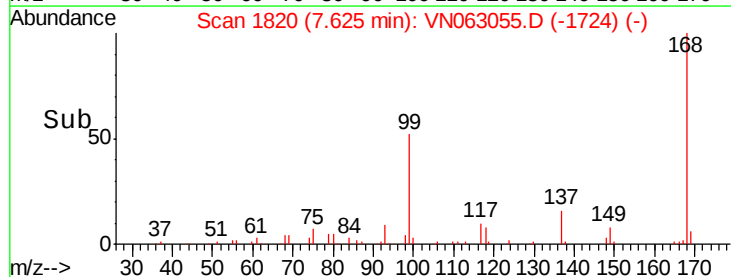
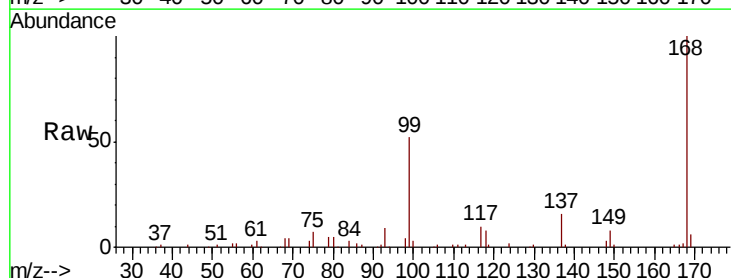
Instrument :
MSVOA_N
ClientSampleId :
S39-TB-2020-2

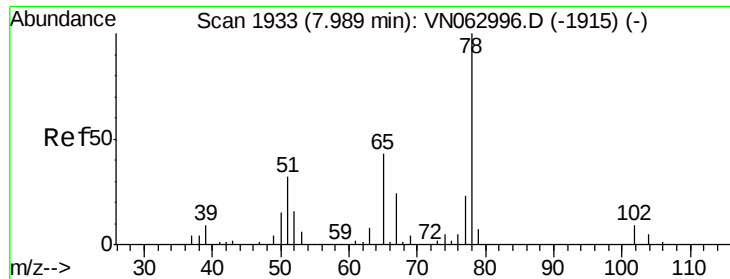
Tot Ion: 84 Resp: 399
Ion Ratio Lower Upper
84 100
49 135.6 98.7 148.1
51 0.0 30.8 46.2#
86 90.6 51.2 76.8#



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063055.D
Acq: 21 Aug 2020 00:03

Tgt Ion: 56 Resp: 2659
Ion Ratio Lower Upper
56 100
69 204.0 26.6 40.0#
84 142.8 66.4 99.6#

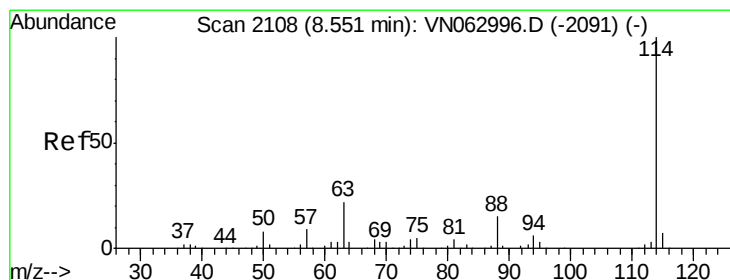
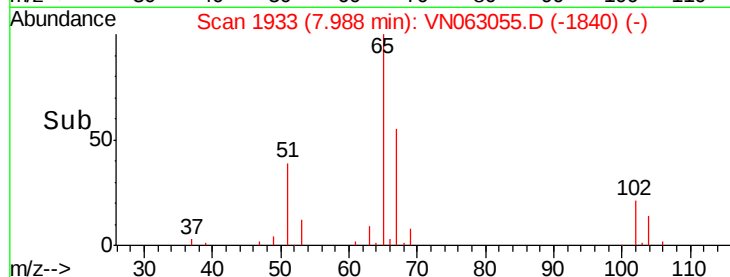
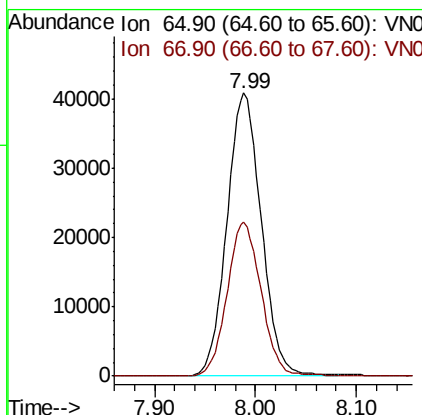
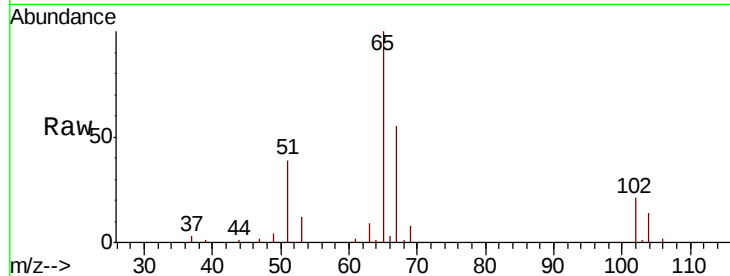




#33
 1,2-Dichloroethane-d4
 Concen: 56.804 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063055.D
 Acq: 21 Aug 2020 00:03

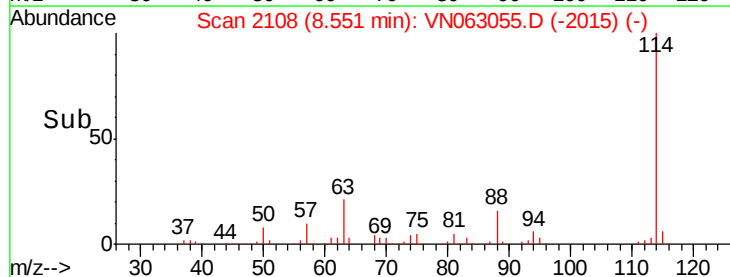
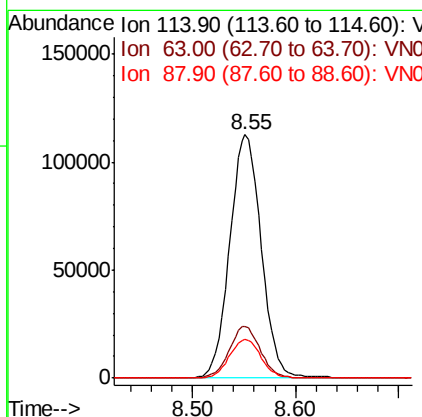
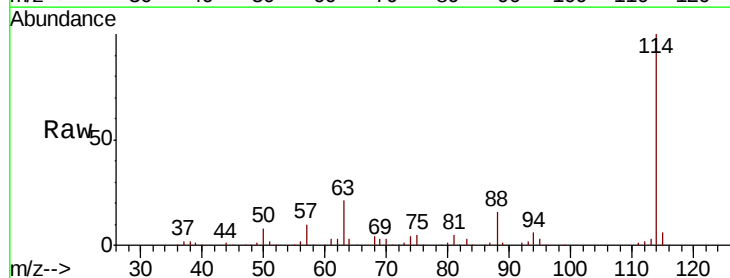
Instrument :
 MSVOA_N
 ClientSampleId :
 S39-TB-2020-2

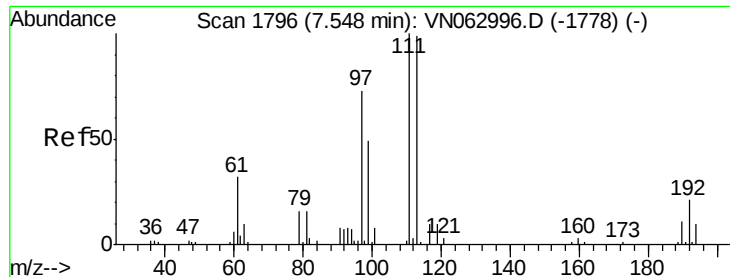
Tot Ion: 65 Resp: 96967
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063055.D
 Acq: 21 Aug 2020 00:03

Tgt Ion: 114 Resp: 239648
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 15.8 0.0 30.6

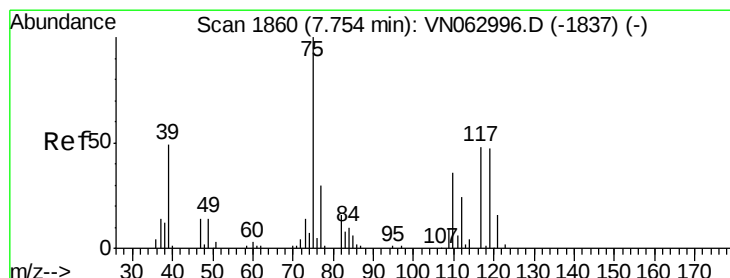
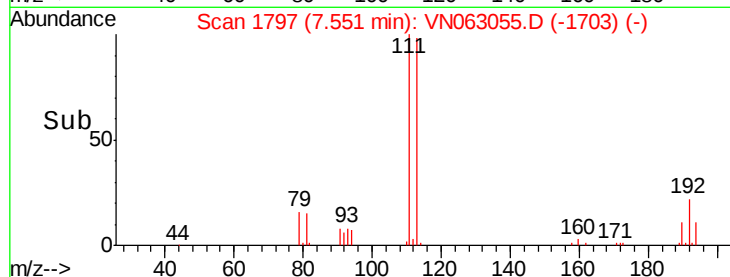
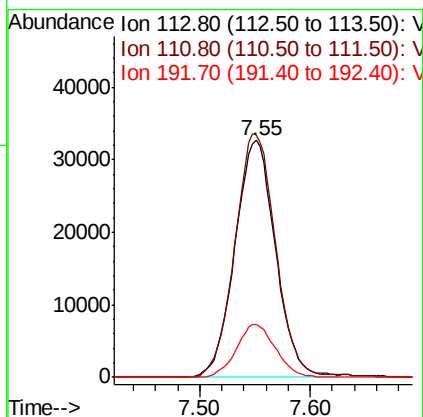
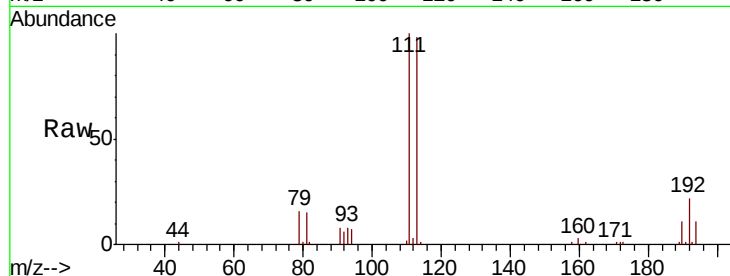




#35
 Dibromofluoromethane
 Concen: 53.305 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063055.D
 Acq: 21 Aug 2020 00:03

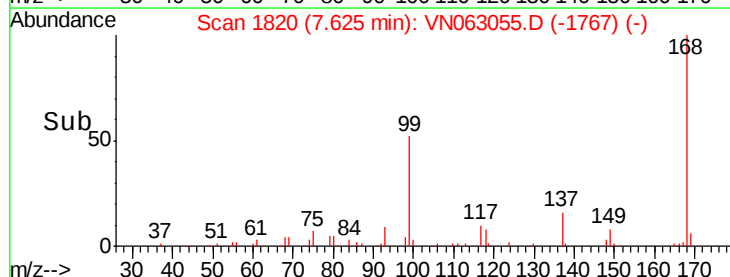
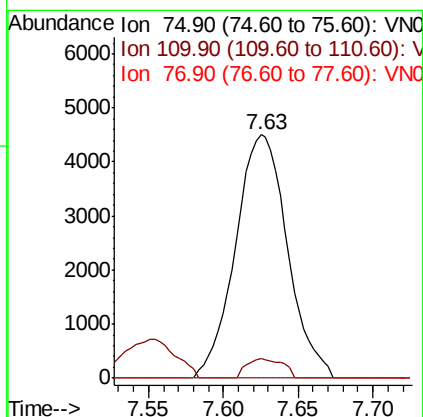
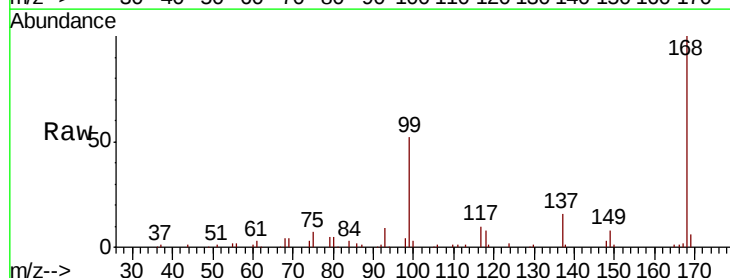
Instrument :
 MSVOA_N
 ClientSampleId :
 S39-TB-2020-2

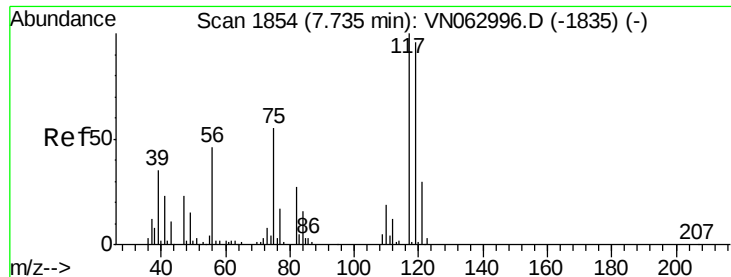
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	21.4	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 5.155 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063055.D
 Acq: 21 Aug 2020 00:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.5	17.5	52.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.209 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063055.D

Acq: 21 Aug 2020 00:03

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2020-2

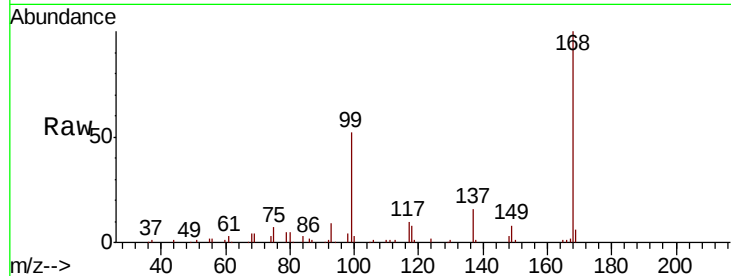
Tot Ion:117 Resp: 13239

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

121 0.0 24.2 36.2#

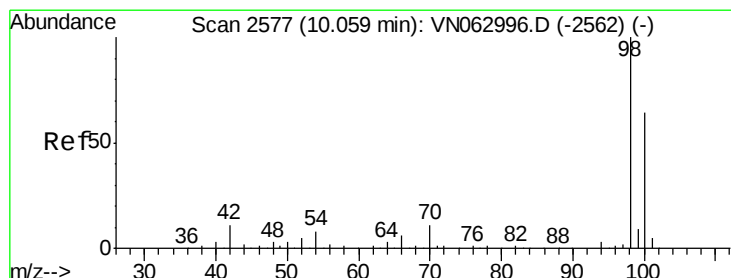
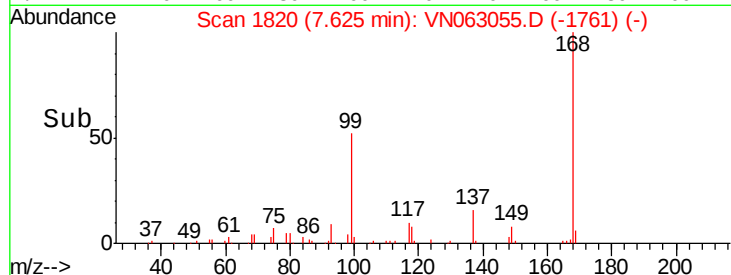
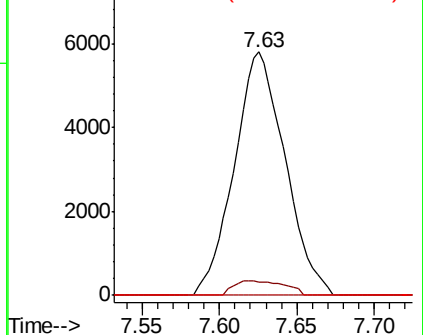


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.543 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063055.D

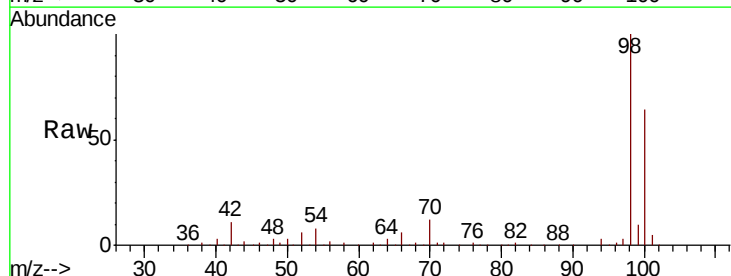
Acq: 21 Aug 2020 00:03

Tgt Ion: 98 Resp: 309150

Ion Ratio Lower Upper

98 100

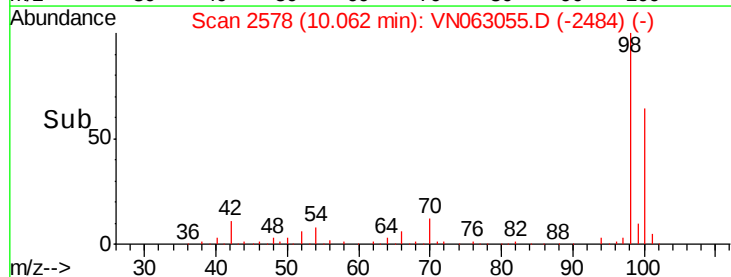
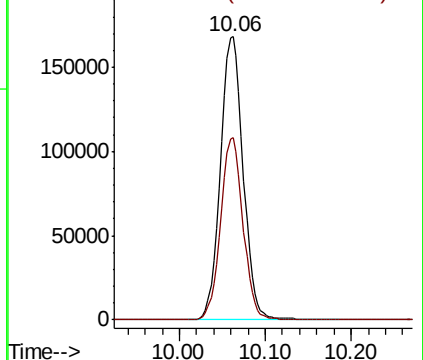
100 63.2 51.2 76.8

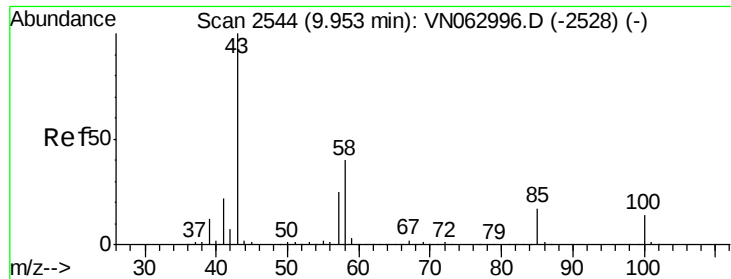


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.525 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN063055.D

Acq: 21 Aug 2020 00:03

Instrument :

MSVOA_N

ClientSampleId :

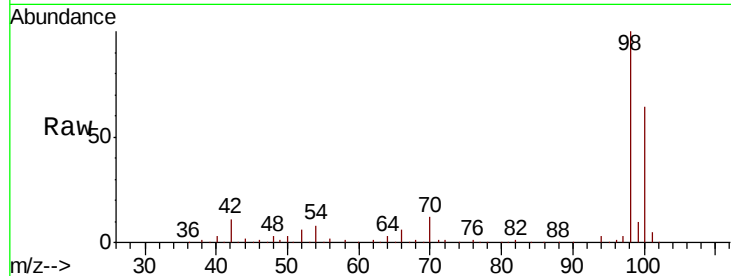
S39-TB-2020-2

Tot Ion: 43 Resp: 1087

Ion Ratio Lower Upper

43 100

58 228.2 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063055.D (-2451) (-)

Ion 58.00 (57.70 to 58.70): VN063055.D (-2451) (-)

1500

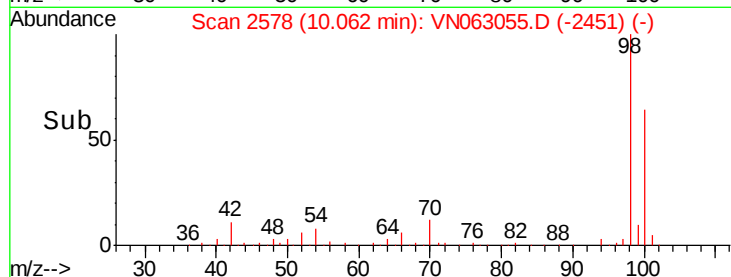
1000

500

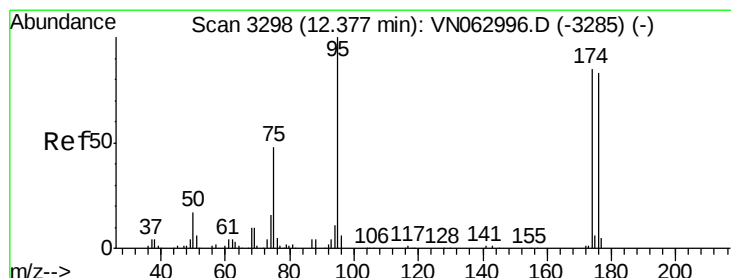
0

10.05

10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 48.486 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063055.D

Acq: 21 Aug 2020 00:03

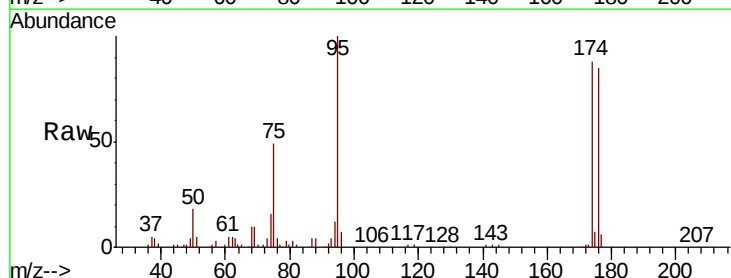
Tgt Ion: 95 Resp: 102625

Ion Ratio Lower Upper

95 100

174 86.4 0.0 170.8

176 83.9 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN063055.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN063055.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN063055.D (-3205) (-)

80000

60000

40000

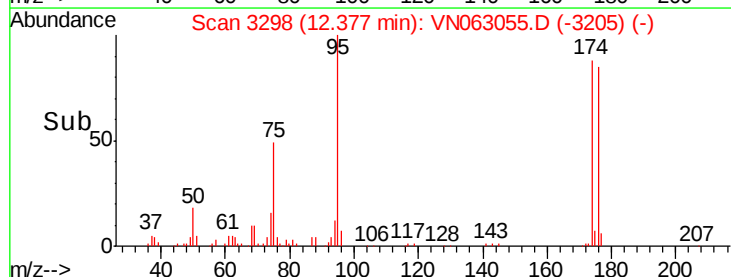
20000

0

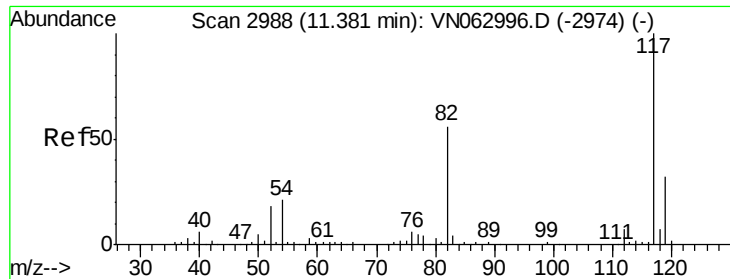
12.30

12.40

12.50



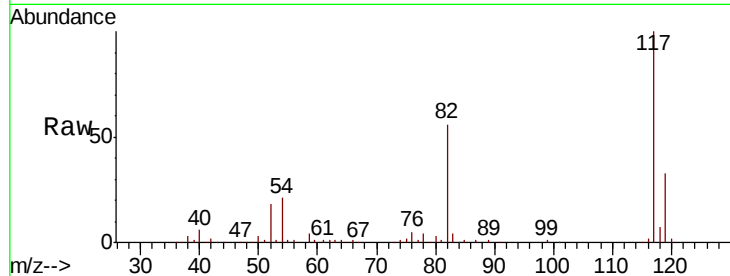
Time-->



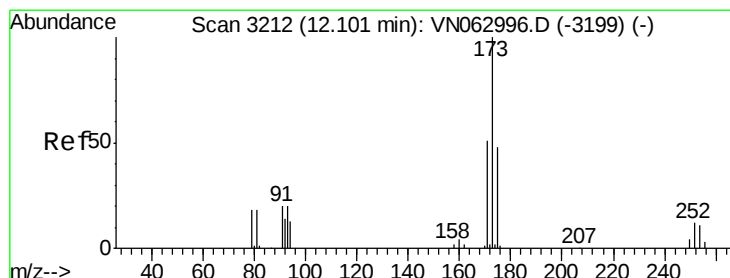
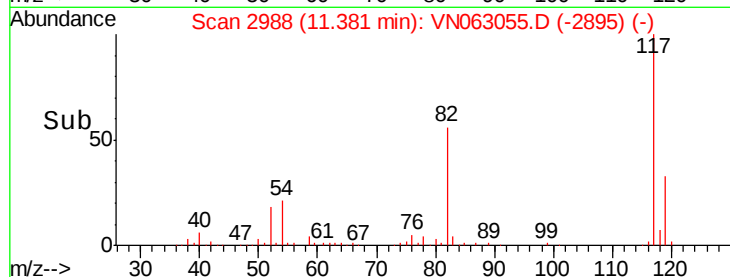
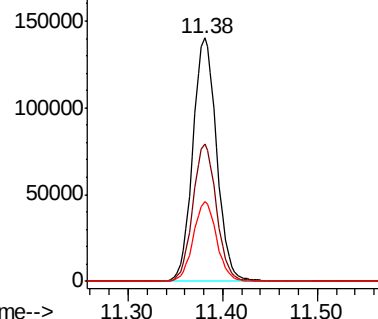
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063055.D
Acq: 21 Aug 2020 00:03

Instrument :
MSVOA_N
ClientSampleId :
S39-TB-2020-2

Tot Ion:117 Resp: 245859
Ion Ratio Lower Upper
117 100
82 56.2 44.5 66.7
119 32.9 25.5 38.3

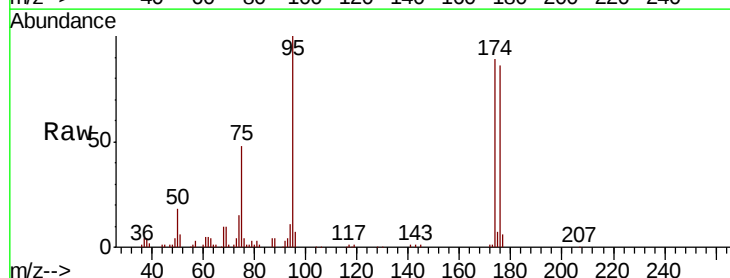


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

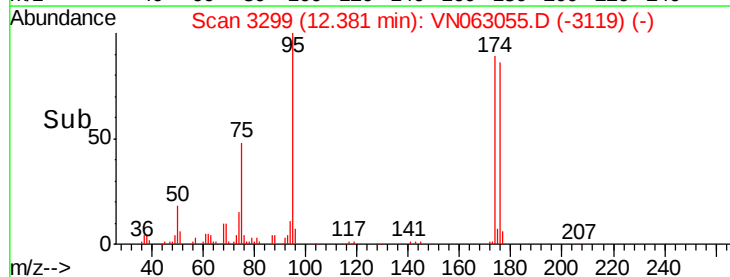
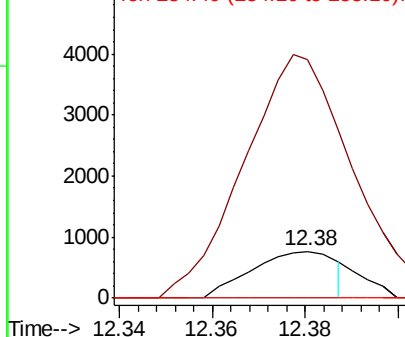


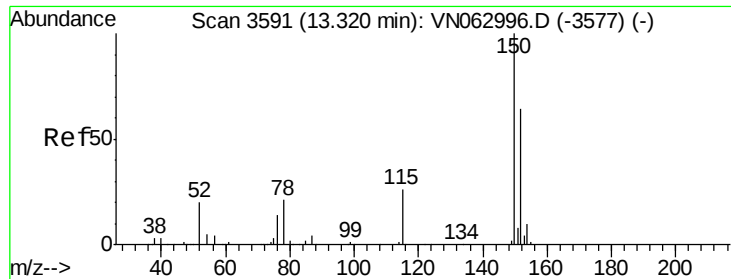
#71
Bromoform
Concen: 0.625 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN063055.D
Acq: 21 Aug 2020 00:03

Tgt Ion:173 Resp: 955
Ion Ratio Lower Upper
173 100
175 553.0 24.3 72.8#
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: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063055.D

Acq: 21 Aug 2020 00:03

Instrument :

MSVOA_N

ClientSampled :

S39-TB-2020-2

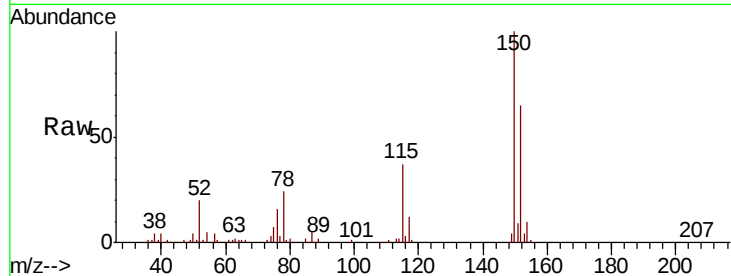
Tot Ion:152 Resp: 88529

Ion Ratio Lower Upper

152 100

115 57.1 28.7 86.3

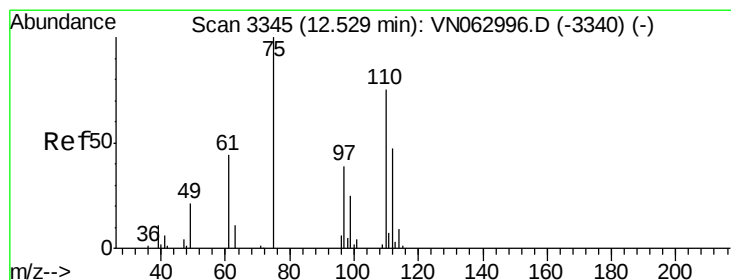
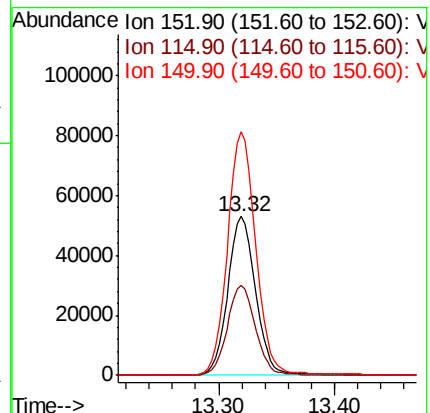
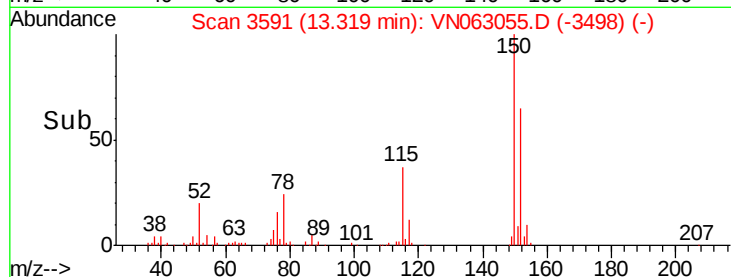
150 154.6 0.0 348.8



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: 28.507 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063055.D

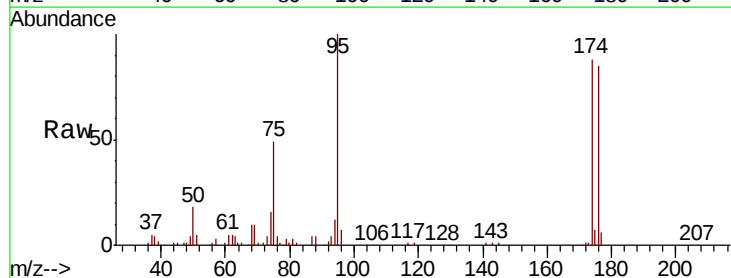
Acq: 21 Aug 2020 00:03

Tgt Ion: 75 Resp: 49055

Ion Ratio Lower Upper

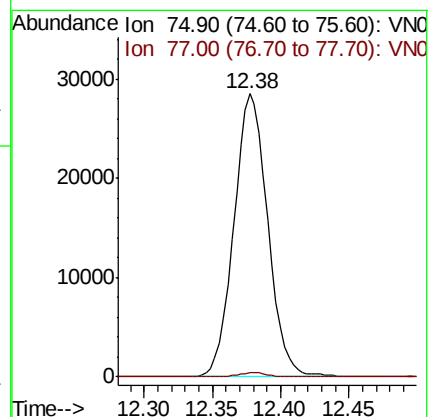
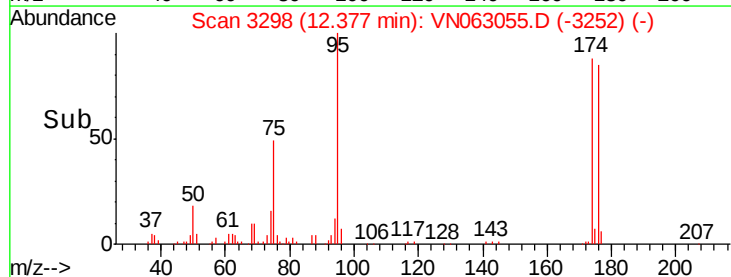
75 100

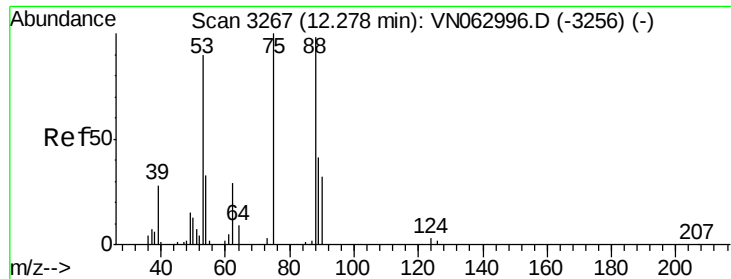
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.293 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063055.D

Acq: 21 Aug 2020 00:03

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2020-2

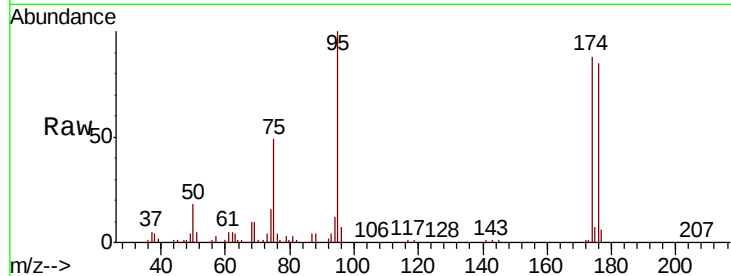
Tot Ion: 75 Resp: 49055

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

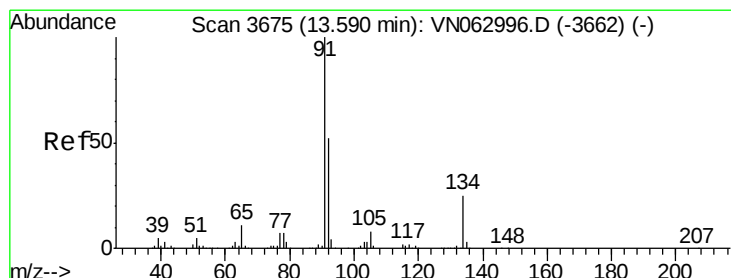
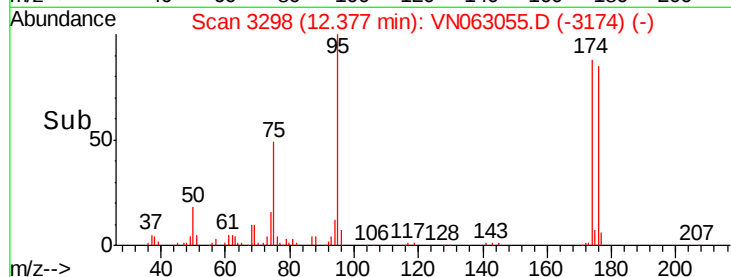
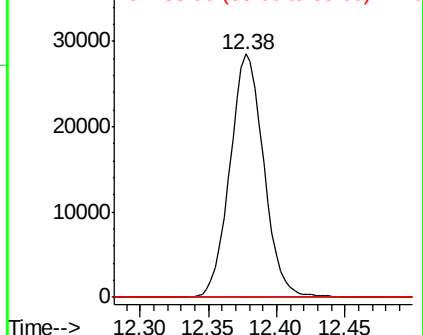
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#89

n-Butylbenzene

Concen: 2.792 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.27 min

Lab File: VN063055.D

Acq: 21 Aug 2020 00:03

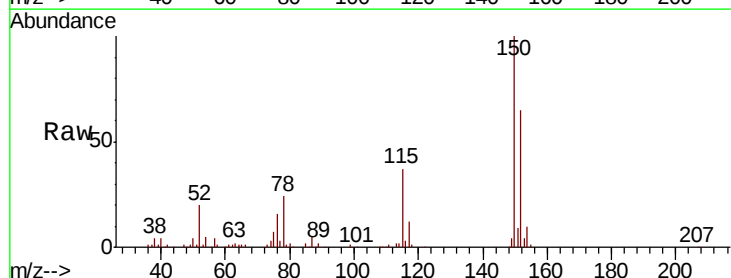
Tgt Ion: 91 Resp: 110

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

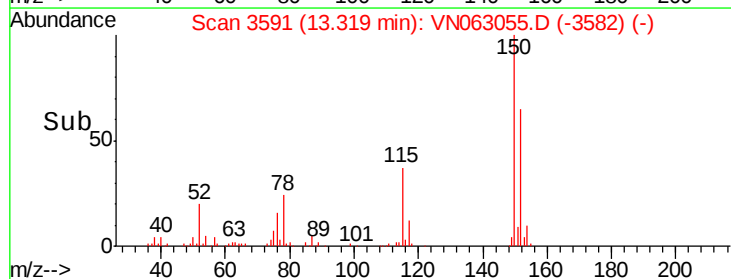
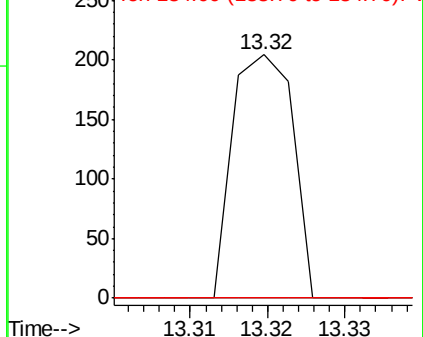
134 0.0 12.4 37.0#

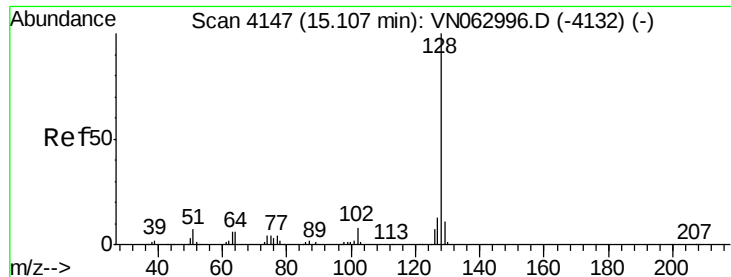


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 5.674 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN063055.D

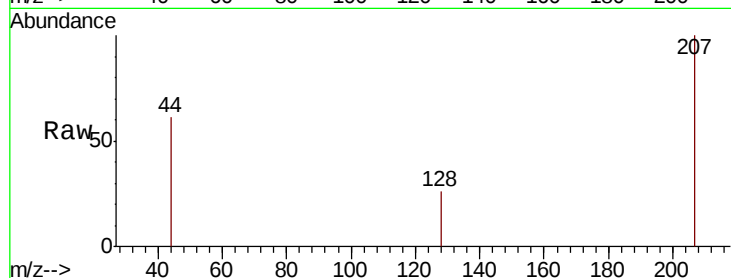
Acq: 21 Aug 2020 00:03

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2020-2



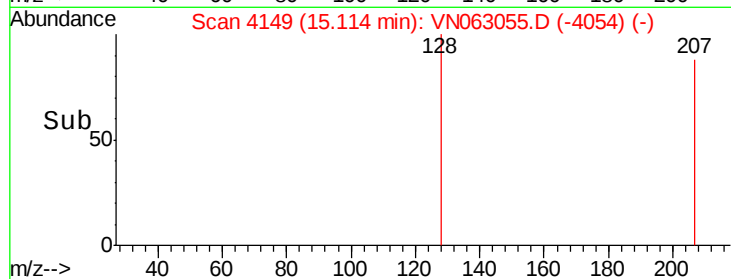
Tot Ion:128 Resp: 128

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

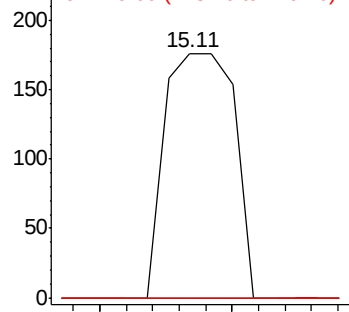
129 0.0 8.9 13.3#



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



Time-->